

COMUNE DI MURELLO

Regione Piemonte
Provincia di Cuneo

PROGETTO DI ADEGUAMENTO SISMICO CON RIQUALIFICAZIONE ENERGETICA DELLA SCUOLA PRIMARIA

PROGETTO DEFINITIVO-ESECUTIVO

COMMITTENTE

Comune di Murello

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TITOLO DOCUMENTO

RELAZIONE TECNICA E DI CALCOLO DELLE OPERE STRUTTURALI

ELABORATO

A4

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Relazione di calcolo

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SCALA ---

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Marzo 2022

LA STORIA DELL'EDIFICIO SCOLASTICO

L'edificio che ospita la Scuola Primaria di Murello è una costruzione isolata risalente agli anni '60 del secolo scorso: le ricerche effettuate presso gli archivi comunali hanno consentito di recuperare una parte della documentazione progettuale, in particolare alcuni elaborati architettonici originari, il collaudo statico e il certificato di collaudo tecnico-amministrativo.

Il progetto di "Edificio Scolastico per le Scuole Elementari del Capoluogo" è stato redatto dall'ing. Emanuele Gullino di Saluzzo (CN) e riporta il timbro e visto dell'Ufficio del Genio Civile di Cuneo - Ministero dei Lavori Pubblici (ingegnere capo Tullio Luchini) con data del 22 gennaio 1966.

Il collaudo statico della costruzione risale al 10/04/1968, a firma dell'ing. Enrico Giletta, con studio tecnico in Saluzzo (CN), Via Piave 42. Nel corso delle operazioni di collaudo vennero effettuate due prove di carico, una sul solaio laterocemento del piano rialzato (terreno) lato di levante, caratterizzato dalla luce maggiore, e sull'ultima rampa della scala di accesso al piano primo. I carichi adottati per le prove suddette risultano rispettivamente di:

- 400 kgf/m² per il solaio di piano;
- 500 kgf/m² per la rampa della scala.

Si desume pertanto che i sovraccarichi di progetto dovessero essere dello stesso ordine di grandezza di quelli delle prove, ovvero maggiori di circa 100 kgf/m² rispetto a quelli oggi previsti dalle NTC 2018 per edifici di analoghe caratteristiche e destinazione d'uso (rispettivamente 3 kN/m² e 4 kN/m²).

Purtroppo sia le relazioni di calcolo sia i disegni strutturali non sono stati reperiti, in quanto non presenti nell'archivio comunale e i tentativi di ricerca sia presso gli uffici dell'ex Genio Civile sia presso la Provincia e la Prefettura di Cuneo non hanno avuto alcun riscontro.

Il collaudo tecnico-Amministrativo, redatto per la rendicontazione nei confronti del Ministero dei Lavori Pubblici - Provveditorato OO.PP per il Piemonte di Torino, ente finanziatore dell'intervento in base alle leggi sull'edilizia scolastica all'epoca vigenti, ci fornisce alcune informazioni di maggior dettaglio sull'iter progettuale ed autorizzativo della costruzione:

- il progetto "generale" e di "1° stralcio" furono redatti in data 10/11/1965 dall'ing. Emanuele Gullino di Saluzzo;
- il progetto succitato venne approvato dalla Commissione per l'Edilizia della Provincia di Cuneo con deliberazione in data 28/01/1966;
- il collaudatore statico, ing. Enrico Giletta, viene indicato anche come Direttore dei Lavori;
- l'impresa esecutrice dell'opera, già indicata anche sul collaudo statico, è la ditta "Tina Giacomo e C." di Murello (CN).

Pur in assenza di documenti progettuali di dettaglio relativi alle parti strutturali, il fatto di poter disporre di un certificato di collaudo statico e di un collaudo tecnico-amministrativo ci permette di attestare come l'opera venne realizzata sotto il controllo di tecnici professionisti in accordo con le norme tecniche all'epoca vigenti, con un livello qualitativo sicuramente superiore rispetto alla media degli edifici dell'epoca.

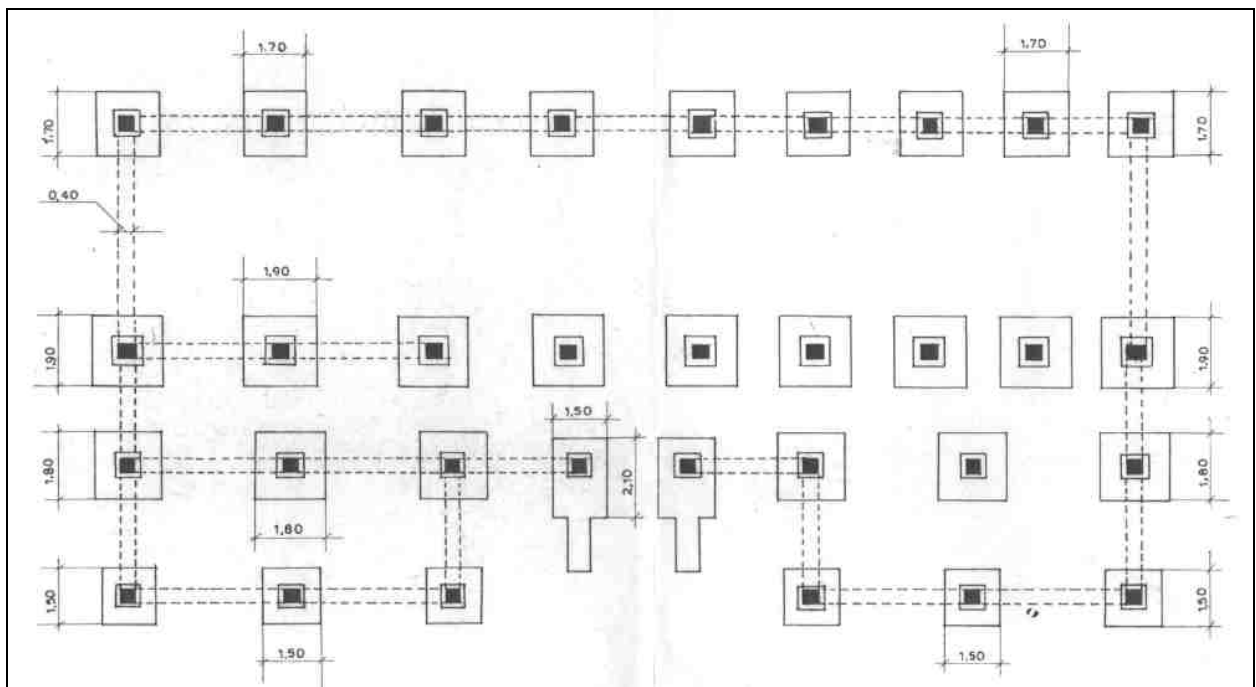
Negli anni seguenti non sono stati eseguiti interventi significativi sull'edificio scolastico ma unicamente lavori di manutenzione ordinaria e straordinaria, senza alterazioni della struttura originaria.

SCHEMA STRUTTURALE DELLA COSTRUZIONE

Gli elaborati del progetto architettonico recuperati presso l'archivio comunale ci forniscono preziose indicazioni sullo schema strutturale adottato nella realizzazione della scuola, integrate naturalmente dalle informazioni reperite in loco nel corso dei rilievi e delle indagini preliminari alla predisposizione del progetto di adeguamento sismico della costruzione.

L'edificio scolastico è impostato su telai piani in cemento armato ordinario gettato in opera costituiti da pilastri verticali e travi orizzontali, disposti lungo l'asse longitudinale della costruzione (andamento Nord-Sud), rispettivamente lungo il prospetto Est, ai due lati del corridoio centrale longitudinale e lungo i due aggetti del prospetto Ovest, che risulta spezzato centralmente da una rientranza su cui è ricavato l'ingresso principale.

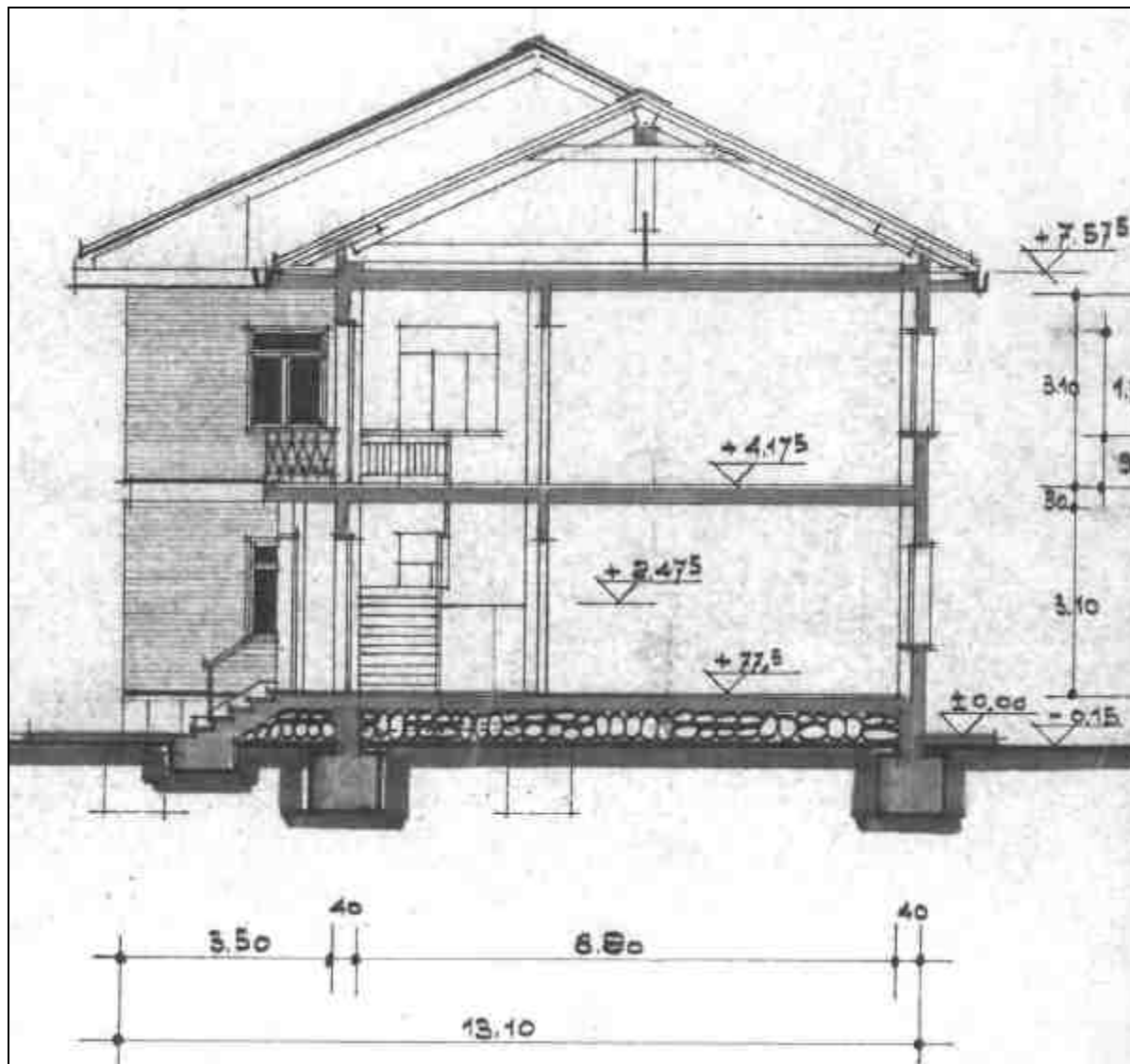
Il telaio di facciata lungo il prospetto Est e quello sul lato orientale del corridoio centrale presentano 9 pilastri, mentre il telaio sul lato occidentale del corridoio centrale ha solo 8 elementi, che trovano poi corrispondenza nei 3 pilastri in ciascuno dei due avancorpi del prospetto Ovest.



Progetto architettonico originale della scuola: planimetria fondazioni

A livello di opere di fondazione la planimetria di progetto originale riporta tutti plinti isolati, presenti al piede di ogni pilastro, con una indicazione però di collegamento tra gli elementi disposti sul perimetro dell'edificio e anche nella zona della scala, presente nella parte più settentrionale del corridoio centrale. Negli stessi elaborati di progetto, tuttavia, la sezione trasversale dell'edificio riporta l'elemento di

collegamento come un basso muro di cantinato, utilizzato come delimitazione perimetrale del vespaio presente al di sotto del solaio del piano terreno (leggermente rialzato rispetto al piano di campagna circostante). Al di sotto del muro viene indicata una fondazione a sezione rettangolare - quadrata, come se si trattasse di una fondazione continua del muro di base.



Progetto architettonico originale della scuola: sezione trasversale

Nel corso dei sopralluoghi effettuati presso l'edificio scolastico è stato possibile prendere visione del vano isolante esistente al di sotto del solaio del piano terreno, accessibile tramite un piccolo sportello dal locale caldaia: si può osservare chiaramente il muro perimetrale continuo in cemento armato, mentre non risultano visibili le strutture di fondazione, in quanto ricoperte da uno strato di terreno / materiale di scarto delle lavorazioni edili. Non è quindi possibile determinare con precisione la natura del muro di cantinato e soprattutto la presenza di una fondazione continua a nastro, tipica dei muri in c.a., piuttosto che l'impiego di plinti isolati, poi collegati con un muretto superiore.



Veduta del vano isolante presente al di sotto del solaio laterocemento del piano terreno: muro perimetrale



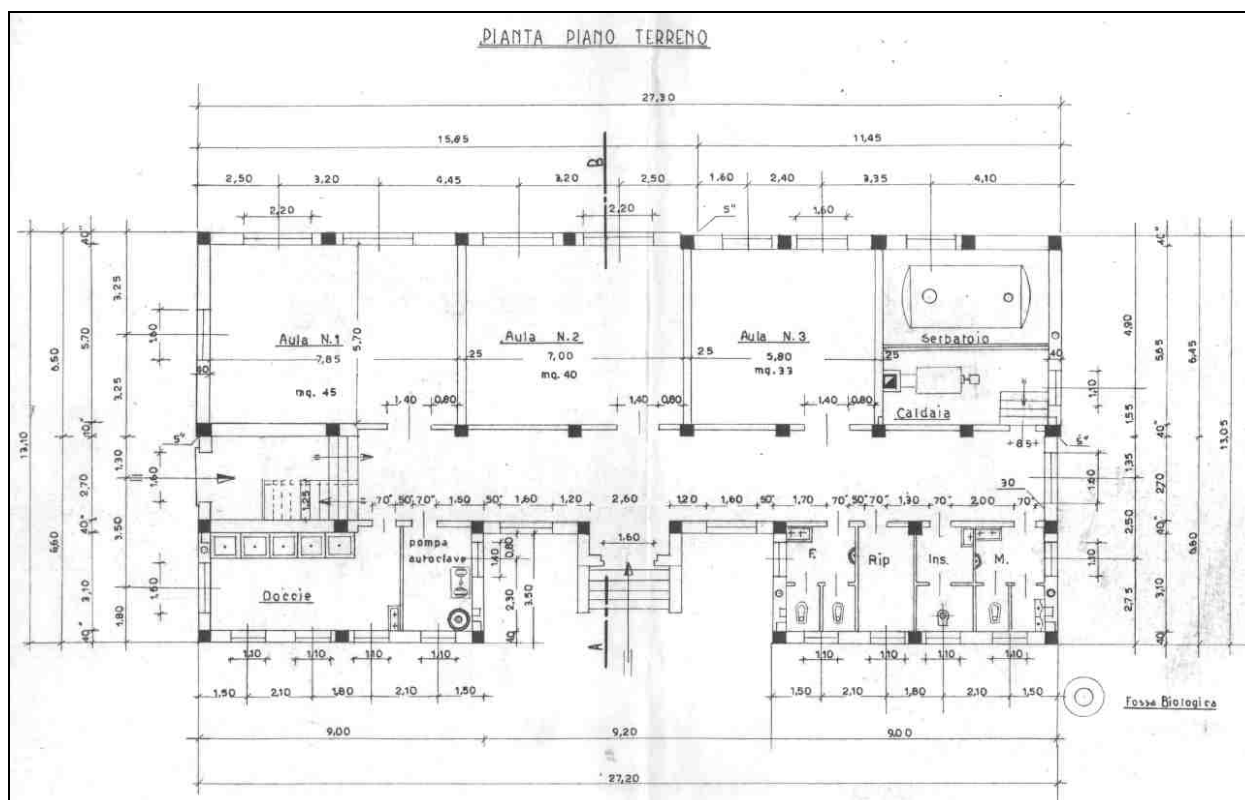
Veduta del vano isolante presente al di sotto del solaio laterocemento del piano terreno: pilastri centrali

La immagini precedenti consentono anche di individuare con precisione lo schema del solaio laterocemento di piano, con disposizione dei travetti tra la parete Est e la fila di pilastri centrali fra le aule e il corridoio della scuola, con rompitratta intermedio. Le parti in calcestruzzo armato (muro e pilastri)

appaiono in buone condizioni, prive di fessurazioni e/o di parti in distacco (fenomeni di carbonatazione). Anche il solaio risulta integro, con deformazioni permanenti non rilevabili a vista ed elementi in laterizio che non presentano segni di sfondellamento.

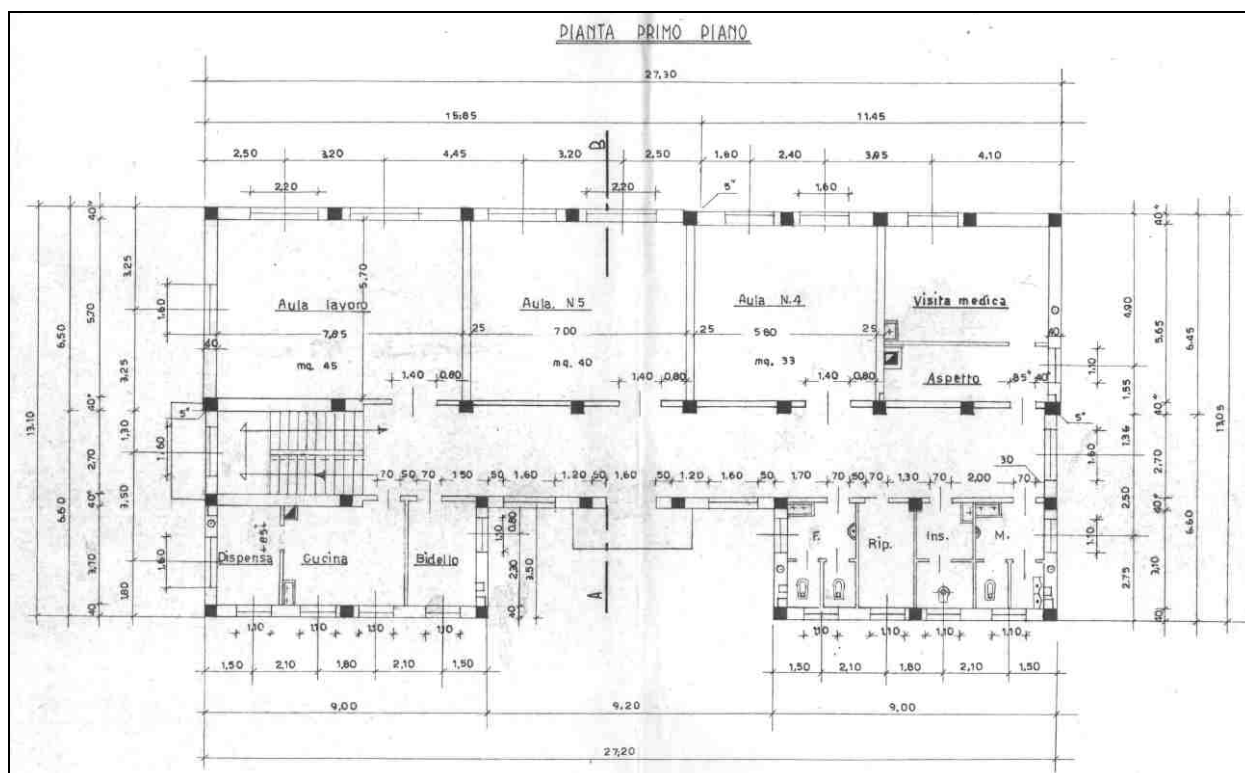
In sede progettuale non si è ritenuto necessario procedere ad approfondimenti ulteriori finalizzati alla definizione della natura delle fondazioni degli elementi strutturali perimetrali, rimandando alla fase realizzativa la verifica puntuale circa la natura e le dimensioni delle fondazioni esistenti, che verranno in ogni caso inglobate nella nuova fondazione esterna prevista quale elemento di ripartizione delle azioni sismiche sul terreno di appoggio della costruzione.

Le planimetrie originarie di progetto del piano terreno e del piano primo riportano la posizione dei pilastri, che risultano disposti lungo fili fissi continui dalla fondazione fino al sottotetto, senza presenza di elementi in falso.



Progetto architettonico originale della scuola: planimetria piano terreno (rialzato)

Rispetto alle indicazioni planimetriche di progetto, in sede di rilievo del fabbricato è stata riscontrata la presenza di due pilastri "aggiuntivi" in corrispondenza della scala, in posizione leggermente arretrata rispetto alla parete Nord e deputati al sostegno del pianerottolo intermedio. Non è stato però possibile accertare la presenza o meno dei due pilastri di facciata, che potrebbero anche essere stati eliminati a seguito dell'aggiunta dei due elementi portanti del pianerottolo, il cui sviluppo continua fino al solaio sottotetto, come rilevabile con indagine sonica con martello sulla parete fra scala e aula.



Progetto architettonico originale della scuola: planimetria piano primo

Nel locale sottotetto, accessibile dal piano primo della scuola mediante una botola posizionata nella parte Sud del corridoio al piano primo, si osserva la presenza di orditura in legno a sostegno del manto di copertura in laterizio, con una diversa disposizione in relazione alla conformazione planimetrica dell'edificio: nelle due zone di maggior larghezza, a Nord e a Sud della parte centrale dell'ingresso, il trave centrale di colmo è in calcestruzzo armato, sostenuto dai pilastri che continuano dal piano inferiore, con falsi puntoni di legno appoggiati su di esso, mentre nella zona ristretta dell'ingresso il colmo è disposto in posizione inferiore e spostato verso Est rispetto ai pilastri in c.a., sostenuto da capriate in legno indipendenti e appoggiate al solaio sottotetto.

La distribuzione effettiva dei pilastri all'interno dell'edificio è stata fatta nel corso dei sopralluoghi di rilievo della costruzione, sia mediante riscontro visivo (pilastri tra il corridoio e le aule, in posizione centrale) sia con indagine sonica mediante martelletto metallico per gli elementi resistenti inseriti all'interno delle murature perimetrali e di quelle intermedie.

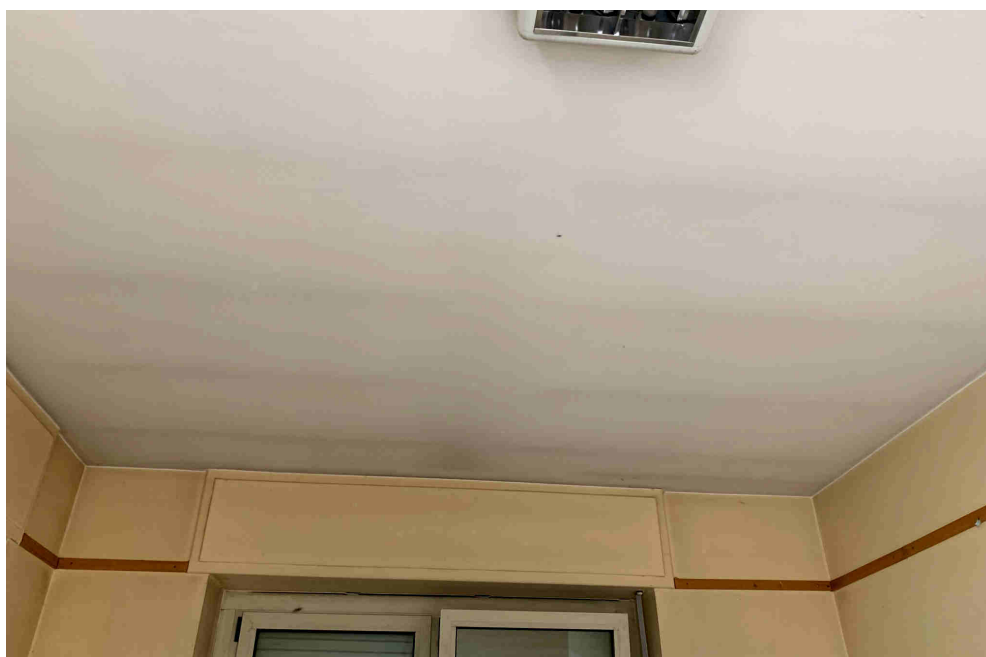
Lo schema dei solai è stato verificato mediante indagine visiva sia diretta (vespaio aerato piano terra) sia indiretta, con individuazione delle diverse colorazioni sui soffitti determinate dai travetti in cls piuttosto che dalle zone di interposizione delle "pignatte" in laterizio.

Nel corso dei sopralluoghi non sono stati rilevati dissesti in atto o stabilizzati: le uniche fessure presenti nell'edificio sono ascrivibili alla diversa dilatazione termica dei materiali costituenti e alla conseguente "slegatura" che si è verificata fra gli elementi strutturali in calcestruzzo armato (in particolare i pilastri) e le murature di tamponamento in laterizio, con segni che evidenziano in alcuni casi la presenza dei pilastri all'interno dei muri. Tali fessure seguono l'andamento delle membrature strutturali e non presentano

aperture significative né andamenti che possano ricondursi a cedimenti differenziali o meccanismi di danno degli elementi principali.



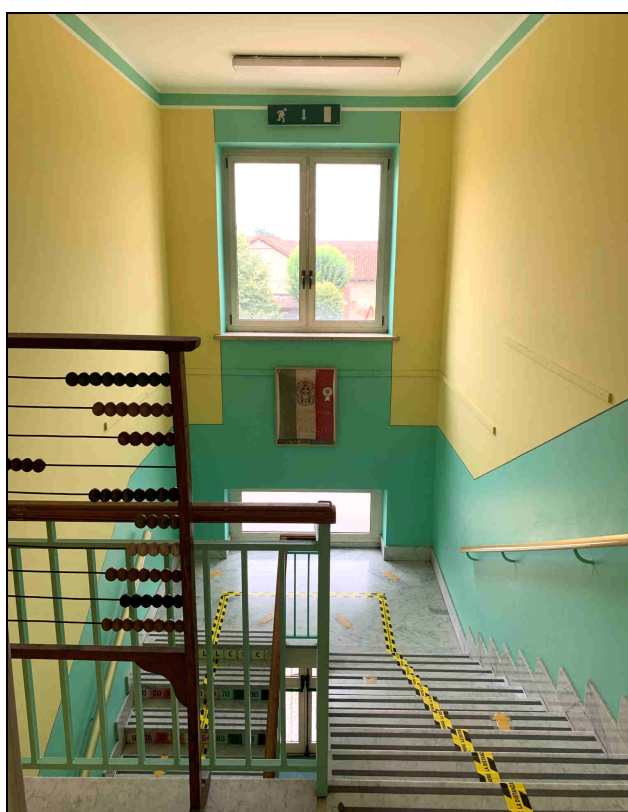
Fessura nella muratura di ricoprimento di un pilastro



Segni sul soffitto relativi alla disposizione dei travetti e del rompitratta del solaio laterocemento



Pilastri in evidenza nella zona fra corridoio centrale e aule (verso il lato Est)



Scala all'estremità settentrionale del corridoio centrale

CARATTERIZZAZIONE MECCANICA DEI MATERIALI

La conoscenza delle caratteristiche dei materiali è stata condotta con riferimento ai dati disponibili dagli elaborati progettuali e dal collaudo statico della costruzione, opportunamente verificati in loco mediante specifica campagna di indagine sclerometrica.

Il calcestruzzo presente è assimilabile a un attuale C20/25, con Rcm in opera conforme ai valori indicati dalla norma.

Per l'acciaio è stato assunto un "Aq60" liscio, secondo le indicazioni della circolare ministeriale 1472 del 1957, vigente all'epoca della costruzione della scuola.

The screenshot displays the 'P00_materiali' software interface, which is used for defining material properties. It is divided into two main sections: 'CLS' (Concrete) and 'ACCIAIO' (Steel).

CLS (Concrete) Section:

- Classe:** C20/25
- Descr.:** C20/25
- Rck:** 250
- fck:** 207.5
- ϵ_{c2} :** 0.2
- ϵ_{cu} :** 0.35
- γ_c :** 1.5
- α_{cc} :** 0.85
- fcd:** 117.583
- fcm:** 287.5
- fctm:** 22.653
- fctk:** 15.857
- fctd:** 10.572
- fcm:** 27.184
- Ecm:** 302005
- fbk:** 35.679
- fbd:** 23.786
- fbtd:** 15.857
- Tensioni ammissibili (TA):** Samm 85, TauC0 5.333, TauC1 16.857, TauB 16.
- Diagramma costitutivo:** A graph showing the stress-strain relationship for concrete, with a peak at ϵ_{c2} and a plateau at ϵ_{cu} .

ACCIAIO (Steel) Section:

- Tipo:** Altro
- Descr.:** Aq 60 (1957)
- Es:** 2000000
- fyk:** 3100
- γ_s :** 1.15
- ϵ_{yd} :** 0.135
- ϵ_{ud} :** 3.99996
- ϵ_{uk} :** 4.4444
- fyd:** 2695.65
- fud:** 2695.65
- fik:** 3100
- fid:** 2695.65
- Diagramma costitutivo:** A graph showing the stress-strain relationship for steel, with a yield point at ϵ_{yd} and a ultimate point at ϵ_{uk} .

GENERALI Section:

- Descrizione gruppo dati:**
- Cond. ambientali:** Ordinario
- Coeff. di dilataz. termica:** 1.2E-05

SALVATAGGIO Section:

- ☒ Salva per i nuovi pilastri di questo lavoro
- ☐ Salva in custom per i nuovi lavori

Leggi costitutive dei materiali strutturali

Le verifiche condotte in loco saranno perfezionate ed integrate con alcune prove su carote da eseguirsi a cura di laboratorio autorizzato, secondo le previsioni del par. 8.5.3 delle NTC 2018: tali prove sono già state programmate per il periodo estivo, in modo da non interferire con le attività scolastiche.

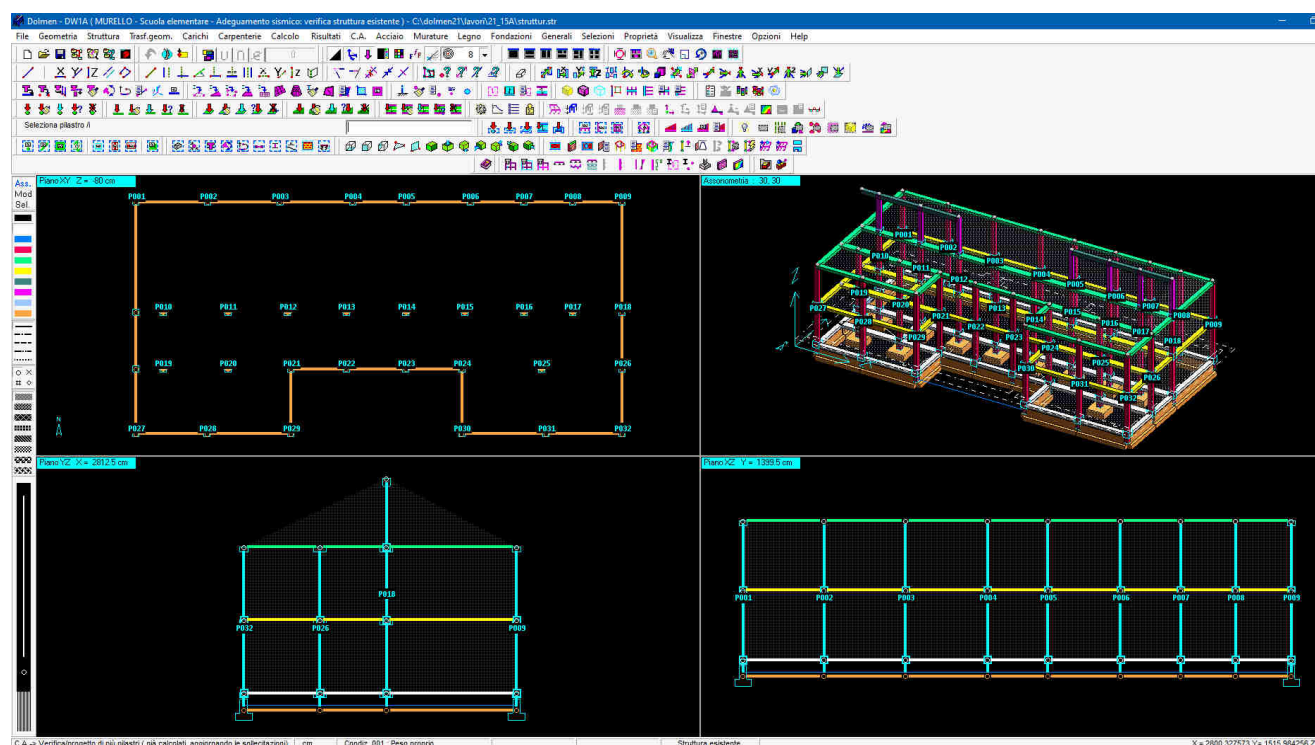
LIVELLI DI CONOSCENZA E FATTORI DI CONFIDENZA - AZIONI DI CALCOLO

Per la definizione del livello di conoscenza si sono seguite le indicazioni fornite dal capitolo 8 della Circolare 21/01/2019 n. 7 del Consiglio Superiore dei Lavori Pubblici, che fornisce le istruzioni per l'applicazione dell'aggiornamento delle norme tecniche per le costruzioni di cui al D.M. 17/01/2018.

Al fine di determinare in maniera opportuna il numero e la localizzazione delle indagini in situ da eseguire è stata effettuata, dopo il rilievo geometrico, un'analisi preliminare della sicurezza statica e della vulnerabilità sismica dell'edificio, come indicato al par. C8.5.2.2 della circolare.

L'eventuale necessità di approfondimenti dipende infatti dall'esito dell'analisi preliminare e soprattutto dall'impegno statico e dal ruolo delle diverse membrature nella sicurezza della struttura.

E' stato pertanto effettuato un progetto simulato in accordo alle norme dell'epoca e secondo le consuetudini locali di disposizione delle armature negli elementi principali. Sulla base dei dati del progetto architettonico originario e dei rilievi eseguiti in loco è stato costruito un modello agli elementi finiti (F.E.M.) della costruzione esistente, utilizzando essenzialmente elementi tipo "beam" per travi e pilastri, con ausilio del software strutturale "Dolmenwin - release 21" del 2021, della software house CDM Dolmen di Torino. Una volta definito il modello della costruzione e i carichi applicati, con sovraccarichi determinati secondo le indicazioni delle NTC 2018 e calcolo delle azioni sismiche mediante analisi dinamica modale, sono state determinate le sollecitazioni sui diversi elementi resistenti in base alle combinazioni di carico previste a stato limite ultimo (SLU) e stato limite di esercizio (SLE).



Modello FEM della struttura attuale dell'edificio scolastico

E' stato adottato un fattore di comportamento " $q=1,50$ ", in modo da considerare come prevalente il comportamento "fragile" della struttura, in relazione alla bassa percentuale di armatura a taglio ordinariamente adottata nei pilastri prima dell'introduzione del calcolo antisismico. In questo modo non si considera la duttilità strutturale e si effettua la verifica delle membrature, rilevando quali elementi strutturali vanno in crisi rispetto alle azioni agenti. Agendo poi sui coefficienti di applicazione delle azioni

sismiche, con progressiva riduzione dei moltiplicatori, si perviene alla definizione dell'indice di vulnerabilità sismica, inteso come l'accelerazione alla quale la struttura esistente risulta verificata.

Con l'analisi dinamica non si è arrivati ad attivare l'85% delle masse della costruzione: sono stati esplorati i primi 100 modi di vibrare della struttura, arrivando però solo al 67,5% secondo l'asse X e all' 82,6% secondo l'asse Y, situazione dovuta con ogni probabilità alla presenza del muro di cantinato perimetrale, che incrementa la rigidezza di base del telaio strutturale e non consente quindi l'attivazione di elevate percentuali di massa. I primi due modi di vibrare hanno maggior influenza sull'asse Y e sono caratterizzati da periodi piuttosto elevati, rispettivamente di 1,50 s e 1,14 s, mentre il 7° modo attiva da solo poco meno del 48% della massa in direzione X, con un periodo pari a 0,55 s.

A questo punto sono state eseguite le verifiche strutturali per gli elementi portanti principali, ovvero i pilastri, assumendo un'armatura standard costituita da:

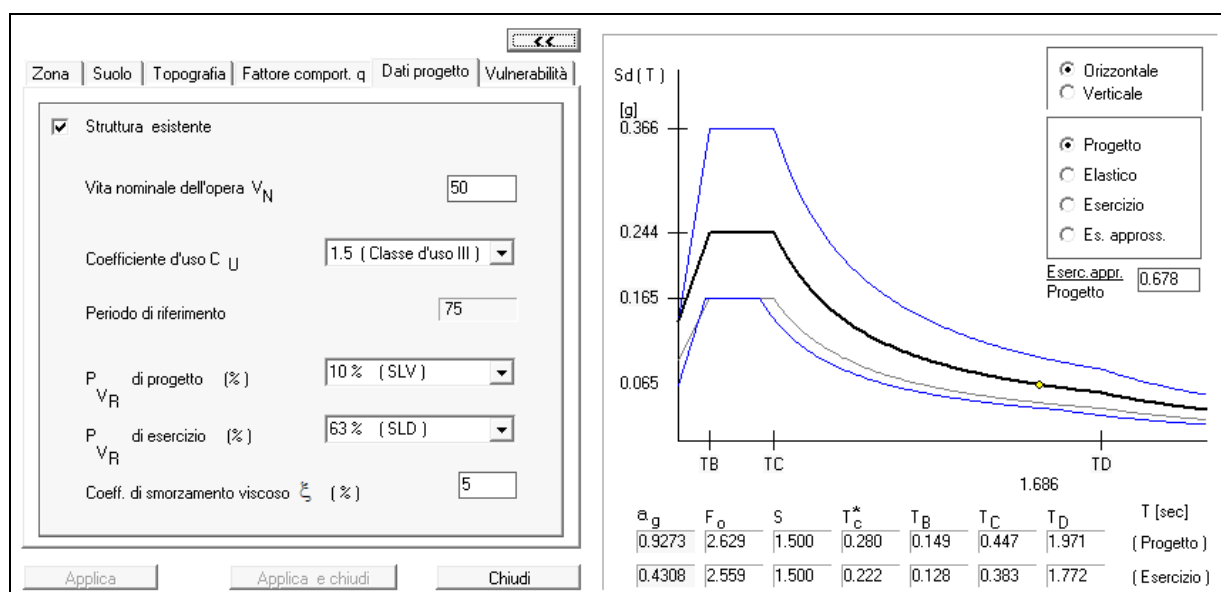
- barre longitudinali => 4 Ø16, disposte negli angoli del pilastro
- staffe => Ø8 / 20cm, con passo regolare su tutto lo sviluppo del pilastro

Considerando l'azione del massimo sisma teorico di calcolo, con vita nominale dell'opera pari a 50 anni e classe d'uso III, da cui discende un periodo di riferimento dell'azione sismica pari a 75 anni, si rileva una elevatissima percentuale di pilastri non verificati alle combinazioni di carico relative al sisma: solo un pilastro su 32 risulta verificato, mentre gli altri vanno prevalentemente in crisi per presso-flessione, con 3 pilastri che non risultano verificati al taglio.

Riducendo progressivamente l'intensità delle forze sismiche, mediante l'adozione di coefficienti moltiplicativi via via più contenuti nella formula di combinazione delle componenti delle forze sismiche ($1,00 * E_1 + 0,30 * E_2$), si arriva ad avere una situazione di sostanziale verifica della struttura esistente per una percentuale del sisma di progetto pari al 10%, con una **vulnerabilità sismica in termini di accelerazione che può quindi essere assunta pari a 0,10**.

L'indice di vulnerabilità sismica in termini di periodo di ritorno risulta così definito:

- vita nominale dell'opera = 50 anni
- ag relativa = $0,9273 \text{ g}/10 = 0,9096813 \text{ m/s}^2$



- a_g corrispondente di verifica = $0,09273 \text{ g}/10 = 0,0909681 \text{ m/s}^2$ (10% di 0,9273)
- vita nominale dell'opera < 1 anno

$$R_{CD} = (T_{R,C} / T_{R,D})^{0.41} = (1 / 50)^{0.41} = 0,20 < 1$$

Si rileva, però, come 3 pilastri presentino dei problemi rispetto all'azione del vento massimo di progetto, pur in assenza di sisma, con riferimento sia alla presso-flessione sia al taglio.

Alla luce di tale situazione, perde di significato la ricerca di un livello di conoscenza più elevato, in grado di garantire un fattore di confidenza inferiore (valore unitario per LC3), in quanto la struttura esistente risulta appena idonea a sopportare il massimo vento di progetto con adozione dei valori caratteristici di resistenza dei materiali, per cui rispetto all'azione sismica, di un ordine di grandezza superiore al vento, non esistono possibilità di recuperare almeno una parte delle membrature.

L'esito della verifica preliminare evidenzia quindi come sia sostanzialmente superflua l'estensione delle indagini in situ sulla costruzione esistente, in quanto anche a fronte di un livello di conoscenza più approfondito si otterrebbero dei coefficienti di sicurezza non idonei ad un maggior utilizzo della struttura. Ci si deve pertanto orientare su interventi in grado di assorbire completamente le azioni orizzontali del sisma di progetto, a meno di intervenire in modo estensivo su quasi tutte le membrature resistenti della costruzione attuale, con l'apertura di un cantiere che risulterebbe però incompatibile con l'attività scolastica per un lungo periodo di tempo.

DEFINIZIONE DEGLI INTERVENTI IN PROGETTO

Alla luce delle risultanze del "progetto simulato" sulla costruzione esistente, per riuscire a pervenire all'adeguamento sismico dell'edificio scolastico occorrerebbe intervenire in modo consistente sulla maggior parte degli elementi strutturali, con un cantiere che impatterebbe in modo significativo sia sull'attività scolastica sia in termini economico-finanziari, in quanto occorrerebbe portare la struttura a nudo per gli interventi di rinforzo, basati essenzialmente su cerchiature dei pilastri e sull'aggiunta di fibre di carbonio sulle travi.

In alternativa è possibile utilizzare le previsioni del par. 8.7.4 delle NTC 2018, con l'introduzione di un sistema strutturale aggiuntivo in grado di resistere per intero all'azione sismica di progetto, lasciando alla struttura esistente il solo compito di sopportare le azioni verticali, già espletato con buoni risultati dall'epoca della sua costruzione fino ad oggi. Viste le dimensioni modeste dell'edificio scolastico e la sua regolarità planimetrica, è possibile procedere con l'aggiunta di una specie di "esoscheletro", costituito da setti / pareti in calcestruzzo armato disposte lungo il perimetro esterno della costruzione, cui attribuire tutte le azioni orizzontali derivanti dal sisma di progetto. In questo modo si limitano gli interventi all'esterno della costruzione, con una ridotta incidenza sulla funzionalità della costruzione e con una tempistica di intervento molto più contenuta.

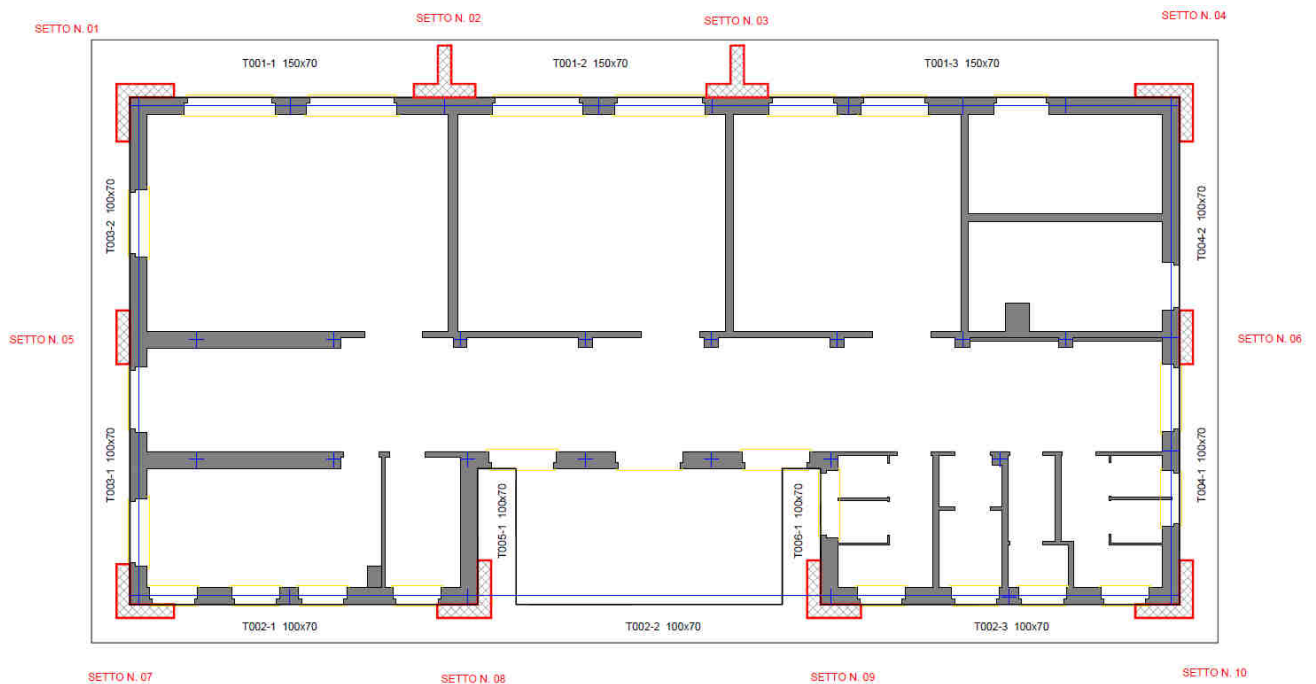
Per cercare di ottenere corrispondenza fra baricentro delle masse e centro delle rigidità, in modo da limitare i momenti torcenti dovuti al sisma, occorre prevedere dei setti irrigidenti secondo i due assi principali X e Y della costruzione distribuiti in modo omogeneo e simmetrico sul perimetro dell'edificio scolastico. In funzione degli spigoli presenti al perimetro dell'edificio, si prevedono:

- n. 2 setti con conformazione planimetrica a "L" di 150 cm di lato sulle due ali e spessore di 35 cm agli spigoli NE e SE;
- n. 1 setto con conformazione planimetrica a "L" di 150 cm di lato sulle due ali e spessore di 35 cm allo spigolo SO;
- n. 3 setti con conformazione planimetria a "L" di 140 e 150 cm di lato sulle due ali e spessore di 35 cm allo spigolo NO e in corrispondenza dei due spigoli intermedi sul prospetto Ovest, dove è presente la rientranza dell'ingresso principale (la riduzione di 10 cm su un lato serve per continuare a mantenere in esercizio le aperture presenti a lato dello spigolo del fabbricato);
- n. 2 setti di sezione rettangolare 140x35 cm in adiacenza alle pareti Nord e Sud, nella zona di mezzeria dei prospetti;
- n. 2 setti con sezione a "T" in posizione intermedia lungo la facciata Est, con ala di 160x35 cm disposta in adiacenza alla parete e gambo ortogonale di 115x35 cm, al fine di conferire rigidità alla parete nelle due direzioni principali dell'edificio.

Le azioni orizzontali vengono trasferite dalla struttura esistente ai nuovi setti a livello dei singoli piani, che possono essere considerati infinitamente rigidi nel loro piano in quanto realizzati in laterocemento, con soletta superiore in calcestruzzo di spessore indicativo 5 cm. Le connessioni verranno realizzate mediante impiego di barre di armatura metallica opportunamente ancorate ai solai di piano esistenti nel cordolo / trave di testata. I setti sismoresistenti a loro volta scaricano le azioni orizzontali del sisma sul terreno di base mediante una nuova fondazione perimetrale, che circonda l'intero edificio, inglobando la

parte esterna delle fondazioni esistenti (plinti isolati o suola di base del muro di cantinato). Tale fondazione avrà sezione rettangolare di dimensioni indicative 100x70 cm, con elemento lungo la parete Est di sezione maggiorata 150x70 cm, in quanto deve sostenere i setti a "T", con gambo ortogonale alla parete e diretto verso l'esterno.

Per garantire il comportamento unitario della nuova struttura sismoresistente, i vari setti verticali in c.a. verranno collegati con dei profilati metallici a sezione rettangolare disposti a livello dei due piani superiori (piano primo e sottotetto): i setti in realtà sono dotati di rigidità tale da poter sopportare le azioni orizzontali in modo indipendente, senza deformazioni rilevanti, ma la struttura di solidarizzazione aggiuntiva garantisce comunque un miglior comportamento unitario dell'esoscheletro, con ulteriore sicurezza in caso di concentrazioni delle sollecitazioni su alcuni elementi e possibilità quindi di redistribuzione sull'intera struttura perimetrale, chiamando in causa la rigidità degli altri elementi al contorno.



Schema degli elementi sismoresistenti di nuova realizzazione

MODELLIZZAZIONE DELLA STRUTTURA ED ANALISI STRUTTURALE MEDIANTE AUSILIO DI CODICE DI CALCOLO AUTOMATICO

Schematizzazione della struttura con i nuovi elementi sismoresistenti

Il modello agli elementi finiti già costruito per la verifica della struttura esistente della scuola è stato integrato con l'aggiunta dei nuovi elementi sismoresistenti, inseriti come elementi "beam" esterni alla costruzione e ad essa collegati a livello di fondazione e dei piani. Si descrivono nel seguito le aggiunte effettuate al modello strutturale.

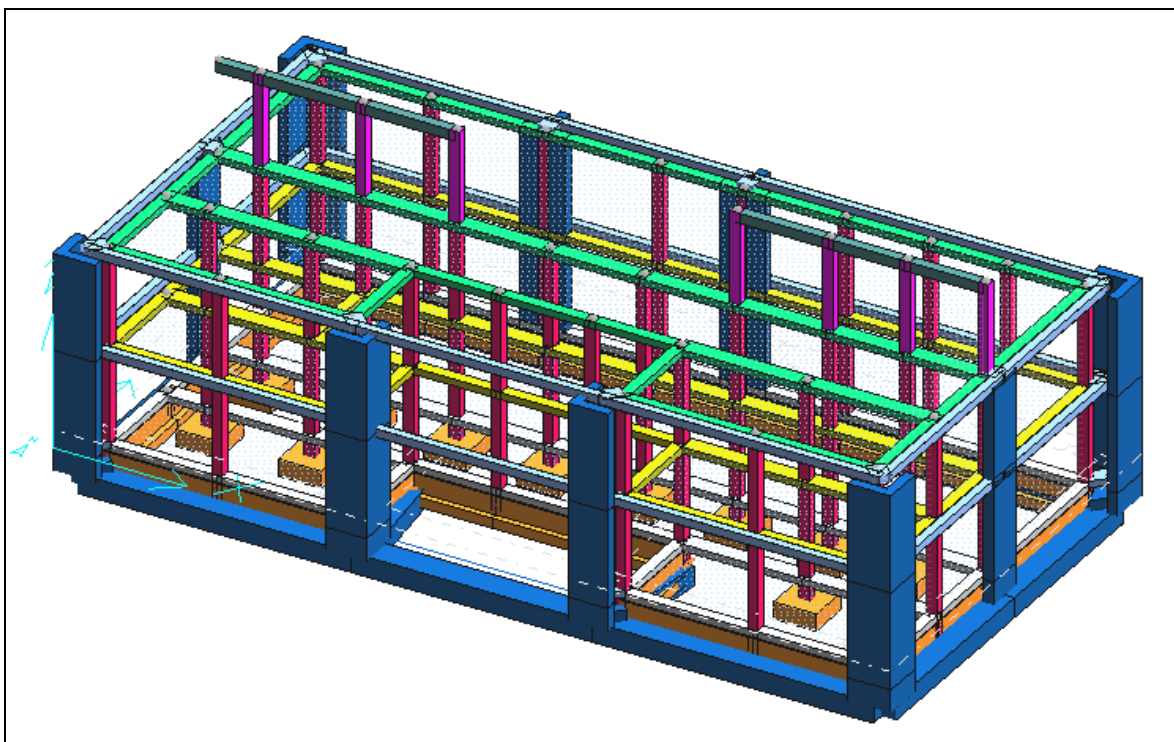
Fondazione: nuove travi continue su suolo alla Winkler che corrono lungo il perimetro della scuola, interconnesse con le fondazioni esistenti. Coefficiente di Winkler adottato per il terreno in esame: 2 daN/cm^3 . Quota asse elementi pari a -0.80 m .

Solai laterocemento esistenti: schematizzazione a piano rigido mediante apposita impostazione nel calcolo delle azioni sismiche.

Setti verticali sismoresistenti: elementi monodimensionali tipo trave (beam), collegati alla base alla nuova fondazione e con connessioni ai solai intermedi esistenti mediante schematizzazione di travi in c.a.

Profili metallici di collegamento fra i setti verticali: elementi monodimensionali tipo trave (beam), connessi in modo rigido agli elementi verticali (bulloni passanti).

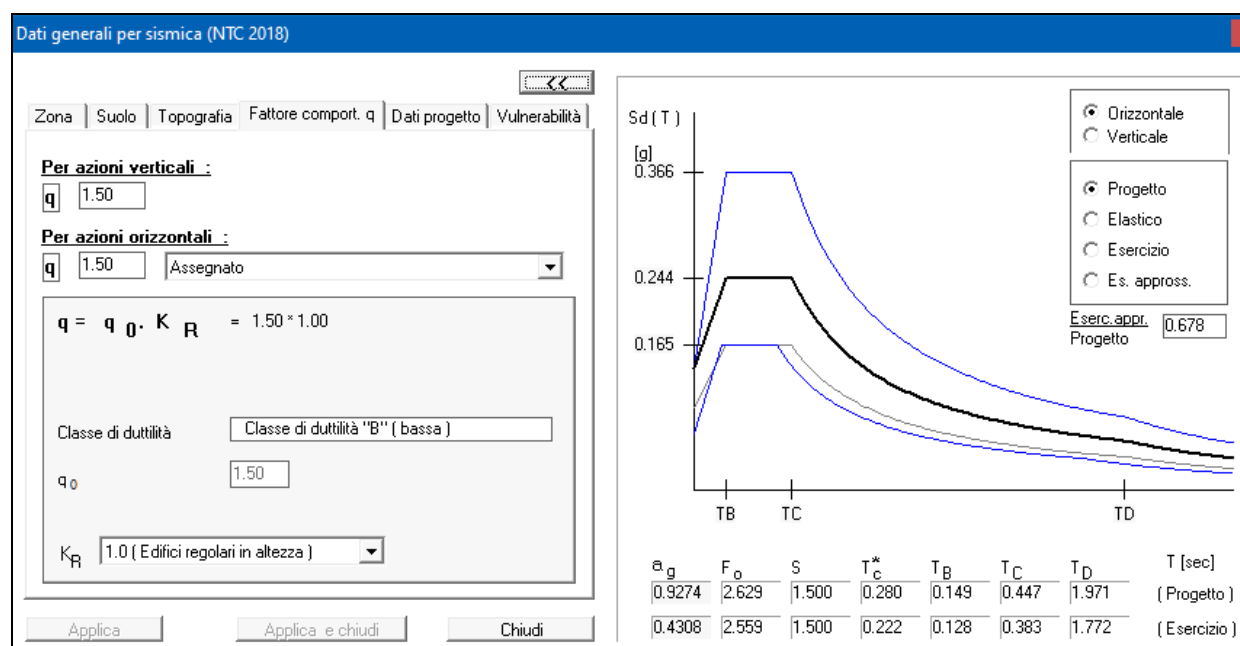
Vincoli: travi su suolo elastico alla Winkler in fondazione per le azioni verticali; blocchi orizzontali sui nodi a livello delle fondazioni per l'equilibrio della struttura rispetto alle azioni agenti secondo gli assi X e Y (forze sismiche).



Si è preferito impostare i nuovi setti verticali come elementi pilastro piuttosto che utilizzare una schematizzazione a parete mediante elementi "shell" (guscio, con nodi a 6 gradi di libertà), operando a favore di sicurezza, in quanto la modellizzazione con i gusci valorizza maggiormente il comportamento piastra / membrana mentre l'adozione di elementi trave permette di considerare pienamente il comportamento a taglio degli elementi, con maggior aderenza verso i modelli "strut and tie" (puntone-tirante) che interpretano il comportamento reale delle strutture massive in calcestruzzo armato.

Il calcolo delle strutture sismoresistenti viene effettuato sulla base di due assunzioni fondamentali:

- **si adotta un FATTORE DI COMPORTAMENTO " $q = 1,50$ ", considerando di fatto la struttura con comportamento sostanzialmente in campo elastico, per cui ai sensi di quanto previsto dal capitolo 7 delle NTC 2018 il comportamento della struttura risulta "NON DISSIPATIVO" e non si è tenuti al rispetto dei dettagli costruttivi e dei minimi di armatura previsti dallo stesso capitolo 7 per garantire il comportamento duttile delle membrature in caso di evento sismico;**



- **tutte le azioni sismiche vengono attribuite alle strutture di nuova realizzazione lungo il perimetro esterno dell'edificio scolastico, assumendo le strutture esistenti come "strutture secondarie" secondo quanto previsto dal par. 7.2.3 delle NTC 2018. Questa situazione viene ottenuta adottando per i pilastri della costruzione esistente uno svincolo delle due estremità che prevede la riduzione dell'80% della rigidità dei nodi rispetto ai momenti flettenti secondo i due assi principali dei pilastri, ovvero l'equivalente di una cerniera, con trasferimento quindi delle azioni orizzontali ai pilastri / setti esterni lungo le facciate, grazie alla presenza dei solai laterocemento, considerati infinitamente rigidi nel loro piano.**

Svincoli interni aste

☐ Tirante
☐ Puntone
☒ Definito sui gradi di libertà ai nodi di inizio e fine asta

	NODO INIZIALE	NODO FINALE
N	0 %	0 %
Ty	0 %	0 %
Tz	0 %	0 %
Mt	0 %	0 %
Myy	80 %	80 %
Mzz	80 %	80 %

Calcolo strutturale

Con l'ausilio di apposito software strutturale sono stati effettuati i calcoli dell'edificio dotato delle nuove strutture sismo-resistenti esterne, volti al dimensionamento ed alla verifica delle membrature in progetto. Per il calcolo delle sollecitazioni e per la verifica di setti verticali / pilastri in cemento armato e dei profili metallici di solidarizzazione a livello di piano si è fatto ricorso all'elaboratore elettronico utilizzando il programma di calcolo DOLMEN WIN (Rel. 21 - anno 2021), distribuito ed assistito dalla CDM DOLMEN s.r.l., con sede in Torino, Via Drovetti 9/F.

Sono state definite un certo numero di condizioni di carico raggruppanti le principali categorie di azioni agenti sulla struttura. Le prime condizioni di carico riguardano i carichi permanenti e variabili applicati alla struttura, così come definiti nella relazione illustrativa facente parte del progetto esecutivo dell'opera (pesi propri strutturali e carichi permanenti). Seguono poi le condizioni di carico relative alle azioni variabili (sovraccarichi, vento, ecc.).

L'analisi dinamica della struttura ha quindi prodotto in automatico ulteriori condizioni di carico, dovute all'applicazione secondo X e Y dei principali autovettori che coinvolgono l'attivazione delle masse in presenza di evento sismico (terremoto di progetto) secondo i due assi suddetti.

Per considerare i momenti torcenti dovuti alle forze sismiche a motivo dello sfalsamento fra baricentro delle rigidezze e baricentro delle masse degli elementi strutturali è stata quindi condotta un'analisi statica equivalente che ha prodotto ulteriori 4 condizioni di carico, con le forze del sisma secondo gli assi X e Y ed i relativi momenti torcenti addizionali.

Nei calcoli successivi di combinazione delle singole condizioni di carico per la definizione dei "casi di carico" relativi al sisma non vengono considerate le condizioni statiche ma unicamente i torcenti addizionali di piano, in quanto le azioni statiche sono sostituite dalle precedenti condizioni relative agli autovettori di output dell'analisi dinamica.

Le singole condizioni di carico innanzi indicate sono state quindi combinate fra di loro in “casi di carico” secondo quanto previsto per i diversi stati limite di verifica, in modo da ottenere le effettive sollecitazioni agenti sui diversi elementi strutturali da utilizzare per il dimensionamento e la verifica delle sezioni in c.a. In particolare per la definizione delle azioni sismiche sono stati create due combinazioni distinte, definite rispettivamente “SISMAX SLV” e “SISMAY SLV”, che combinano fra di loro le azioni del sisma agenti secondo i due assi principali X e Y: oltre alla sommatoria quadratica completa degli autovettori derivanti dall’analisi dinamica si aggiunge, con doppio segno (una volta con applicazione in verso positivo ed una volta in verso negativo), il momento torcente addizionale come calcolato con il metodo statico equivalente. Si determinano quindi gli stati limite relativi all’azione sismica “stato limite di danno (SLD)” e “stato limite di salvaguardia della vita (SLV)” combinando le azioni sismiche con le altre azioni secondo quanto previsto dal punto 7.3.5 delle NTC 2018: operando in campo lineare, si ottengono gli effetti complessivi sulla struttura combinando la risposta per ciascuna delle componenti secondo l’espressione

$$1.0 \cdot E_x + 0.30 \cdot E_y + 0.30 \cdot E_z$$

con rotazione dei coefficienti moltiplicativi.

La componente verticale non viene tenuta in conto in quanto la struttura non rientra nei casi specifici stabiliti dal punto 7.2.2 e ricade in zona sismica 3.

DIMENSIONAMENTO E VERIFICA DEI PRINCIPALI ELEMENTI STRUTTURALI SECONDO LE “NORME TECNICHE PER LE COSTRUZIONI” – NTC 2008

4 – COSTRUZIONI DI CALCESTRUZZO

Le unità strutturali di cui si compone la nuova costruzione sono costituite da elementi principali in cemento armato normale gettato in opera (setti verticali) e da profilati metallici a sezione quadrata di connessione fra i setti a livello di piano.

Classe di resistenza del calcestruzzo

C32/40 > C16/20 per strutture semplicemente armate

Metodi di analisi

Analisi elastica lineare, con valutazione degli effetti del secondo ordine.

Ridistribuzione dei momenti flettenti nelle travi continue.

Rapporto fra momenti dopo la ridistribuzione e prima della ridistribuzione:

$$0,70 \leq \delta \leq 1$$

VERIFICA AGLI STATI LIMITE ULTIMI

Combinazione delle azioni

Per la verifica a stato limite ultimo è stata utilizzata una combinazione delle azioni che rispecchia l'impostazione data dalla norma per la “combinazione fondamentale”:

$$1,3 \cdot G_1 + 1,5 \cdot G_2 + 1,5 \cdot Q_1$$

dove:

- G_1 = peso proprio di tutti gli elementi strutturali
- G_2 = azione dovuta agli strati presenti al di sopra dei solai di piano (sottofondi e pavimento) e alle murature perimetrali e di ripartizione interna
- Q_1 = sovraccarichi variabili sui solai di piano, sulla scala interna e sulla copertura, azione del vento

Nel documento “tabulati di calcolo” vengono riportate le sollecitazioni agenti sui singoli elementi strutturali schematizzati nel modello di calcolo per la condizione relativa allo stato limite ultimo (“SLU SENZA SISMA”).

Resistenze di calcolo dei materiali

Si riporta nel seguito il prospetto del software di calcolo (Dolmenwin) con i valori adottati per le resistenze di calcolo dei materiali e relative dipendenze.

CLS		ACCIAIO	
Classe: C32/40-N08	COPIA	Tipo: B450C	COPIA ARCHIVIO
Descr: C32/40-N08		Descr: B450C	
Rck: 400		Es: 2100000 (1.15 ≤ k < 1.35)	
fck: 332	f _m is	fyk: 4500	f _m is
ε _{cu2} : 0.2		γ _s : 1.15	γ _s × FC
ε _{cu} : 0.35		ε _{yd} : 0.186	→ f _{yd} : 3913.04
γ _c : 1.5	γ _c × FC	ε _{ud} : 6.75	→ f _{ud} : 4439.81
α _{cc} : 0.85		ε _{uk} : 7.5	→ f _{tk} : 5175
fcd: 188.133			→ f _{td} : 4500
fcm: 412			
fctm: 30.989			
fctk: 21.693			
fctd: 14.462			
fctm: 37.187			
Ecm: 336428			
fbk: 48.808			
fbd: 32.539			
fbtd: 21.693			
	Diagramma costitutivo [4.1.2.2.2]		Diagramma costitutivo [4.1.2.2.2]
Materiali esistenti:		Materiali esistenti:	
f _m is = media in situ		f _m is = media in situ	
FC = fattore di confidenza		FC = fattore di confidenza	
St (fessure): 25.825			
Sam (Rare): 199.2		Sam (Rare): 3600	
Sam (Q.P.): 149.4		Coeff. omogeneizzazione: 15	
fbd (esercizio): 32.539		Sam (TA): 2550	
Tensioni ammissibili (TA):			
Sam: 122.5			
TauC0: 7.333			
TauC1: 21.143			
TauB: 22			
		GENERALI	
		Descrizione gruppo dati:	
		Cond. ambientali: Ordinario	
		Coeff. di dilataz. termica: 1.2E-05	

Stato limite di resistenza a sforzo normale e flessione (elementi monodimensionali)

Sono stati sottoposti a tale verifica tutti gli elementi monodimensionali (setti / pilastri e travi di connessione orizzontale) della nuova struttura. Per il calcestruzzo è stato adottato un modello rappresentativo del reale comportamento del materiale di tipo "parabola-rettangolo"; per l'acciaio d'armatura è stato scelto il modello elastico – perfettamente plastico indefinito.

Tutti gli elementi sono stati dimensionati per verificare la resistenza SLU:

$$M_{Rd} = M_{Rd}(N_{Ed}) \geq M_{Ed}$$

Tutti i pilastri sono stati verificati anche a pressoflessione deviata, assumendo le due componenti di calcolo di flessione retta dell'azione attorno agli assi y e z.

Stato limite di resistenza nei confronti di sollecitazioni taglianti

Tutti gli elementi monodimensionali sono dotati di specifica armatura a taglio: la resistenza è stata valutata mediante schematizzazione a traliccio, con staffe verticali e puntoni di cls inclinati a 45° (angolo θ).

Stato limite di resistenza nei confronti di sollecitazioni torcenti

La verifica è stata condotta anche nei confronti delle sollecitazioni torcenti, considerate non singolarmente ma congiuntamente a flessione e sforzo normale e taglio, nell'ambito della valutazione delle sollecitazioni composte. Non esistono infatti elementi strutturali che garantiscono l'equilibrio statico della costruzione in funzione della sola resistenza torsionale.

Resistenza a fatica

Non eseguita in quanto non è prevista l'applicazione di azioni cicliche.

VERIFICA AGLI STATI LIMITE DI ESERCIZIO

Combinazione delle azioni

Per le verifiche a stato limite d'esercizio sono state utilizzate le tre combinazioni delle azioni previste dall'EC2 e riprese dalle NTC 2018:

combinazione rara

$$1 \cdot G_1 + 1 \cdot G_2 + 1 \cdot Q_1$$

combinazione frequente

$$1 \cdot G_1 + 1 \cdot G_2 + 0,5 \cdot Q_1$$

combinazione quasi permanente

$$1 \cdot G_1 + 1 \cdot G_2 + 0,3 \cdot Q_1$$

dove:

- G_1 = peso proprio di tutti gli elementi strutturali
- G_2 = azione dovuta ai carichi permanenti
- Q_1 = sovraccarico variabile sulle strutture di copertura

Poiché Q_1 è un sovraccarico ampiamente cautelativo rispetto alle sollecitazioni variabili normalmente previste per il funzionamento della costruzione, anche nelle verifiche per le condizioni di esercizio i carichi applicati risultano di entità significativa e ordinariamente superiori a quelli attesi, con incremento dei margini di sicurezza operativi della struttura.

Verifica di deformabilità

La verifica del contenimento delle deformazioni massime è stata effettuata in via indiretta rispettando i rapporti massimi L/H indicati dall'EC2 e ripresi dalla circolare esplicativa delle NTC 2018 (tab. C4.1.I).

Verifica delle vibrazioni

Non eseguita in quanto non pertinente con la struttura.

Verifica delle tensioni di esercizio

Tale verifica è stata effettuata sia con riferimento alla tensione massima di compressione del calcestruzzo in esercizio sia per la tensione massima dell'acciaio d'armatura.

I valori di tensione dei materiali in esercizio sono stati confrontati con i limiti di cui ai punti 4.1.2.2.5.1 e 4.1.2.2.5.2 della norma per le combinazioni di azioni "rara" e "quasi permanente".

DETTAGLI COSTRUTTIVI

Le indicazioni fornite dal punto 4.1.6 della norma, riportanti le indicazioni relative ai dettagli costruttivi degli elementi strutturali in calcestruzzo (travi, pilastri, disposizione barre) vengono controllate in automatico dal programma di calcolo strutturale sia nella fase di dimensionamento sia in quella di verifica delle singole membrature strutturali.

ESECUZIONE

Per la costruzione in progetto si prevedono getti in opera delle strutture in cemento armato. I getti potranno avvenire direttamente tramite canaletta da autobetoniera per le strutture di fondazione, mentre per i pilastri / setti perimetrali in elevazione è richiesto l'utilizzo della pompa di sollevamento o l'impiego della gru di cantiere con apposito cestello. In considerazione della necessità di uniformità dei getti per le strutture in elevazione, si ritiene comunque preferibile l'impiego della pompa. Per evitare aggiunte di acqua in cantiere che facilitino la lavorabilità del calcestruzzo sono state previste apposite classi di

consistenza di progetto per le diverse membrane strutturali (generalmente S4), da conseguirsi mediante l'aggiunta di additivi fluidificanti direttamente presso lo stabilimento di confezionamento del cls.

La casseratura dei getti delle opere in c.a. dovrà essere mantenuta per tutto il tempo necessario ad una adeguata maturazione del calcestruzzo: si prevede in particolare un tempo minimo di 2 settimane per le opere in fondazione ed in elevazione, un minimo di 3 settimane per le strutture in elevazione.

Nella fase di maturazione i getti di cls dovranno essere mantenuti umidi al fine di evitare ritiri troppo accentuati con relativo pericolo di apertura di fessure.

6 – PROGETTAZIONE GEOTECNICA

Si riportano in tale punto le verifiche condotte con riferimento alla stabilità complessiva dell'insieme terreno-struttura, con valutazione della resistenza del terreno di base e delle opere di fondazione.

Caratterizzazione e modellazione geologica e geotecnica del sito

La caratterizzazione e la modellazione geologica del sito vengono affrontati nell'allegata relazione geotecnica.

Il sito in oggetto rientra all'interno di aree ben note dal punto di vista geologico in quanto ricomprese nella fascia centro-settentrionale della pianura cuneese, caratterizzata da attività edilizia e di trasformazione urbanistica costante nel corso degli ultimi decenni.

Per la definizione delle caratteristiche geomeccaniche del terreno di base su cui appoggia la struttura sono stati adottati parametri geotecnici ordinari per l'ambito d'intervento, sulla scorta dell'esperienza acquisita dagli operatori del settore in precedenti interventi edilizi di significativa importanza.

VERIFICHE DELLA SICUREZZA E DELLE PRESTAZIONI

Verifiche nei confronti degli stati limite ultimi (SLU)

Stato limite di equilibrio come corpo rigido

L'equilibrio complessivo dell'intero edificio è garantito dal risultato del modello di calcolo, che non rileva labilità strutturali o vincoli liberi con possibilità di spostamento / rotazione della costruzione sotto l'azione dei carichi agenti.

Viene comunque sviluppata una verifica semplificata di controllo del codice di calcolo utilizzando le equazioni di equilibrio a ribaltamento e scorrimento dell'intera struttura considerata come corpo rigido.

Le azioni stabilizzanti sono dovute essenzialmente ai carichi verticali agenti, considerati nelle componenti essenziali del peso proprio strutturale e dei carichi permanenti portati, tralasciando quindi le azioni variabili in quanto agenti comunque a favore della sicurezza. Per il peso della struttura e per i carichi permanenti, favorevoli alla sicurezza, si adotta un coefficiente parziale γ_{G1} (EQU) = 0,9.

SCUOLA ELEMENTARE

Dalla tabella dei risultati delle singole condizioni di carico, si ricava:

N.	Condizione	Punto di applicazione [cm]			Componenti forza risultante [daN]		
		X	Y	Z	F _x	F _y	F _z
1	Peso proprio cao	1478,6	746,8	202,10	0	0	-309'037
2	Peso proprio solai	1469,1	811,2	340	0	0	-269'485
3	Peso proprio tetto	1468,6	817,4	680	0	0	-53'053
4	Muri perimetrali	1466,3	762,1	170	0	0	-172'940
5	Muri interni	1470,6	668,3	170	0	0	-31'031
6	Sottofondi	1469,1	811,2	340	0	0	-139'389

$$P_p = 0.9 \cdot (974'935) = 877'441 \text{ daN} = 8'774 \text{ kN}$$

Il braccio della forza stabilizzante, rispetto al filo anteriore di facciata della costruzione ed al lato della struttura, risulta rispettivamente pari a:

$$b_y \approx 780 \text{ cm} = 7.80 \text{ m}$$

$$b_x \approx 1470 \text{ cm} = 17.70 \text{ m}$$

$$\text{Momento stabilizzante secondo l'asse X:} \quad M_{sx} = 8'774 \cdot 17.70 = 155.300 \text{ kN}\cdot\text{m}$$

$$\text{Momento stabilizzante secondo l'asse Y:} \quad M_{sy} = 8'774 \cdot 7.80 = 68.437 \text{ kN}\cdot\text{m}$$

Le azioni che agiscono a sfavore della sicurezza sono quelle agenti nel piano XY, ovvero la spinta del vento e le azioni sismiche. La condizione peggiore è quella relativa all'asse Y, in quanto presenta il braccio della forza stabilizzante verticale ridotto in quanto agente in senso trasversale all'asse principale di sviluppo longitudinale della nuova costruzione.

Per la forza sismica si fa riferimento all'entità e punto di applicazione di quelle ricavate dall'analisi statica equivalente, in quanto della stessa entità di quelle relative agli autovettori dell'analisi dinamica (anzi leggermente superiore) e con punto di applicazione baricentrico rispetto alle masse considerate.

Dalla tabella dei risultati delle singole condizioni di carico si ricava:

N.	Condizione	Punto di applicazione [cm]			Componenti forza risultante [daN]		
		X	Y	Z	F _x	F _y	F _z
29	Sisma X	1467,7	786,4	497,4	240093	0	0
30	Sisma Y	1467,7	786,4	497,4	0	240093	0

Sisma Y

$$M_r = 240'093 \text{ daN} \cdot 4,974 \text{ m} = 1'194'222 \text{ daN}\cdot\text{m} = 11'942,23 \text{ kN}\cdot\text{m}$$

$$M_s = 68'437 \text{ kN}\cdot\text{m}$$

$$M_s > M_r \quad \text{condizione verificata}$$

$$M_s / M_r = 5,73$$

Per quanto riguarda la stabilità a scorrimento del complesso strutturale della nuova costruzione l'azione stabilizzante è dovuta alla resistenza a taglio che si forma al di sotto della suola della fondazione, direttamente proporzionale alla forza verticale che agisce alla base di appoggio della struttura tramite il coefficiente d'attrito. Si considera un attrito fondazione-terreno standard pari a 0,8, valutato tenendo conto dell'interramento della fondazione nel terreno circostante, con possibilità di attivazione di spinte passive di contrasto ad ogni possibile spostamento, nonché per la presenza di un massetto continuo a livello di appoggio delle fondazioni che consente una regolarizzazione della distribuzione delle tensioni resistenti tra terreno e struttura. Le azioni taglianti sono le stesse innanzi indicate, dovute all'azione sismica.

$$R = P_p \cdot f_{\text{attrito}} = 8'774 \cdot 0,8 = 7'019 \text{ kN}$$

Per semplicità ed a favore della sicurezza non si considera il contributo resistente dato dal peso dei muri perimetrali.

Condizione limite 1 – peso proprio strutturale

$$R'_x = 7'019 \cdot \gamma_{G1} \text{ (EQU)} = 7'019 \cdot 0,9 = 6'317 \text{ kN}$$

$$F_{\text{sisma}x} = 2'401 \text{ kN}$$

$$R'_y > F_y \quad \text{condizione verificata}$$

$$R'_y / F_y = 2,63$$

Stato limite ultimo idraulico di sollevamento

Non applicabile, in considerazioni delle caratteristiche geotecniche del sito.

Stabilità al sifonamento

Non applicabile, in considerazioni delle caratteristiche geotecniche del sito.

OPERE DI FONDAZIONE: FONDAZIONI SUPERFICIALI**Verifiche agli stati limite ultimi (SLU)****Stabilità globale del pendio**

La nuova opera risulta posizionata nella zona centro-settentrionale della pianura cuneese su un terreno completamente pianeggiante. La pendenza media del terreno naturale nell'area oggetto di intervento risulta contenuta entro il singolo valore percentuale (<1%), con precedenti trasformazioni che di fatto hanno già antropizzato e stabilizzato l'intera area su cui si è sviluppato nel tempo il capoluogo comunale. Non si rende necessaria la verifica di stabilità complessiva del pendio.

SLU di tipo geotecnico: collasso per carico limite dell'insieme fondazione-terreno e per scorrimento sul piano di posa

Le verifiche di stabilità vengono condotte secondo l'approccio 1, con impiego di due combinazioni:

- combinazione 1 $\Rightarrow$ (A1+M1+R1)
- combinazione 2 $\Rightarrow$ (A2+M2+R2)

I coefficienti parziali per le azioni risultano definiti dalla tabella 6.2.I delle NTC 2018:

Tabella 6.2.I – Coefficienti parziali per le azioni o per l'effetto delle azioni.

CARICHI	EFFETTO	Coefficiente Parziale γ_F (o γ_E)	EQU	(A1) STR	(A2) GEO
Permanenti	Favorevole	γ_{G1}	0,9	1,0	1,0
	Sfavorevole		1,1	1,3	1,0
Permanenti non strutturali ⁽¹⁾	Favorevole	γ_{G2}	0,0	0,0	0,0
	Sfavorevole		1,5	1,5	1,3
Variabili	Favorevole	γ_{G3}	0,0	0,0	0,0
	Sfavorevole		1,5	1,5	1,3

Deve risultare verificata la relazione di equilibrio: $E_d \leq R_d$

La verifica della fondazione superficiale viene condotta sulle travi in progetto direttamente dal software strutturale, avuto riguardo dei vincoli imposti e della geometria degli elementi.

Il calcolo del carico limite della fondazione viene effettuato mediante la formula di Brinch –Hansen, considerando i parametri caratteristici del terreno indicati nella relazione geotecnica.

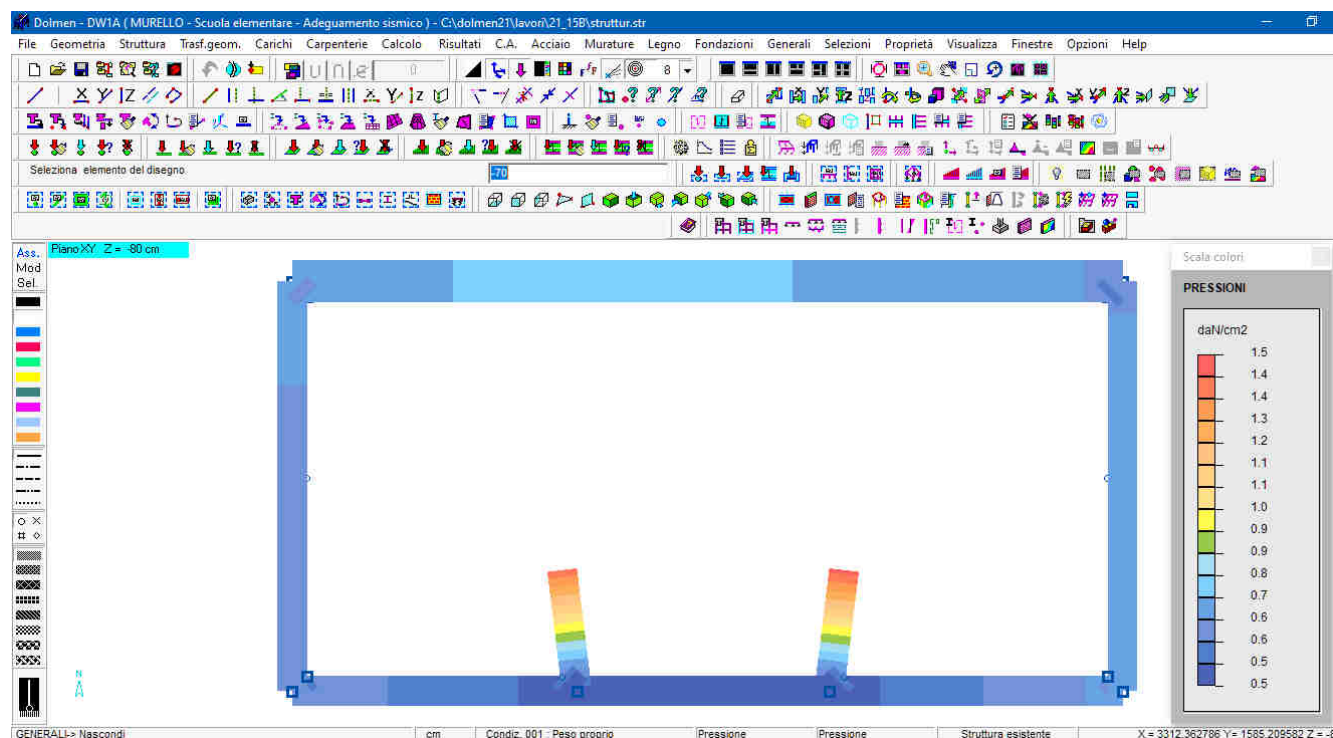
Si applicano i carichi di calcolo agenti sulla fondazione desunti dalle singole condizioni di carico del modello di calcolo, in modo da separare i carichi permanenti (peso proprio strutturale) dagli altri carichi agenti, considerando anche l'azione sismica.

Tutti gli elementi di fondazione di nuova realizzazione risultano verificati.

Per una verifica di confronto con metodo semplificato, si considerano le pressioni sul terreno derivanti dall'applicazione dei casi di carico n. 01 / 02 / 03 del modello di calcolo, denominati "SLU senza sisma" e

SLU con vento X e Y, mentre per quanto concerne la resistenza del terreno si adotta il valore di tensione ammissibile determinato con la formulazione di Terzaghi indicata nella relazione geotecnica.

L'entità massima delle pressioni sulle nuove fondazioni perimetrali risulta inferiore a $1,5 \text{ daN/cm}^2$, come indicato dal diagramma seguente:



Il valore di sollecitazione ammissibile per il terreno di base risulta pari a $1,60 \text{ daN/cm}^2$, per cui risulta puntualmente verificato il contenimento delle sollecitazioni massime in fondazione entro il valore limite di riferimento.

Le verifiche semplificate della resistenza a scorrimento delle fondazioni superficiali è già stata effettuata nella verifica di stato limite di equilibrio (corpo rigido) della struttura nel suo complesso, con esito positivo anche per la condizione limite di azione sismica in assenza di terreno di ricopertura della soletta superiore e senza tenere in considerazione la sovrappressione del terreno di riempimento a tergo dei muri perimetrali sulla suola di fondazione dei muri stessi.

SLU di tipo strutturale (STR): raggiungimento della resistenza negli elementi strutturali

Le verifiche di tipo strutturale sono state condotte considerando tutte le combinazioni possibili, sia quelle in condizioni di SLU senza sisma sia quelle con intervento delle azioni sismiche.

7 – DETTAGLI RELATIVI ALLA PROGETTAZIONE PER AZIONI SISMICHE

Nella progettazione dell'intervento di adeguamento sismico della Scuola Elementare sono state seguite tutte le indicazioni fornite dalle NTC 2018 in materia di azioni sismiche.

La scelta del livello "0.00" di riferimento per il calcolo sismico è stata effettuata con riferimento al livello base della quota del solaio del piano terreno della costruzione, considerandola a tutti gli effetti come completamente emergente. Il piano terreno risulta leggermente rialzato rispetto al piano di campagna circostante, ma la presenza del muro di cantinato che delimita il vespaio aerato conferisce alla struttura una rigidezza di base idonea al trasferimento delle azioni orizzontali, per cui può essere assunto come livello sismico "0" proprio quello alla sommità di detto muro. La rigidezza conferita da tale elemento è attestata anche dalla difficoltà a raggiungere l'attivazione dell'85% delle masse della costruzione nella situazione attuale col calcolo modale, condizione che invece viene raggiunta con relativa facilità nel modello di progetto, in ragione della maggior rigidezza conferita al complesso strutturale dalle nuove membrature sismoresistenti esterne. L'irrigidimento complessivo è attestato anche dal primo periodo di vibrazione della struttura, che passa da 1,5 secondi della situazione esistente a 0,382 secondi della nuova configurazione di progetto.

Le fondazioni perimetrali di nuova realizzazione collegano tutti gli elementi portanti verticali sismoresistenti e le travi di base adottate sono a loro volta collegate alle fondazioni esistenti, in modo da creare un nuovo graticcio di base idoneo a contrastare spostamenti relativi.

Nel seguito si riportano le principali assunzioni e considerazioni inerenti la progettazione sismica.

Criteri generali di progettazione e modellazione (7.2)

Nelle verifiche sono state considerate soltanto le due componenti ortogonali orizzontali delle azioni sismiche, mentre la componente verticale non è stata presa in conto in quanto la struttura non rientra nei casi specificati al punto 7.2.2 della norma ed è ubicata in zona 3.

Non viene considerata la variabilità spaziale del moto sismico, in quanto la superficie interessata dalla nuova struttura è di estensione limitata e ricade in area omogenea sia dal punto di vista morfologico sia da quello litologico.

Gli orizzontamenti presenti nella costruzione esistente sono costituiti dai solai laterocemento del piano terreno, del piano primo e del sottotetto. Tali elementi di partizione orizzontale sono dotati di sufficiente rigidezza e resistenza per trasmettere le forze sismiche orizzontali fra i diversi sistemi resistenti a sviluppo verticale, rappresentati dai nuovi pilastri / setti esterni lungo le facciate.

Il sistema di fondazione è costituito da un'unica tipologia strutturale, con travi disposte al perimetro della costruzione esistente e fra loro collegate a formare una cerchiatura dell'intero edificio. La rigidezza estensionale del sistema di fondazione nel piano orizzontale è garantita dalla maglia di travi e dalle connessioni delle stesse alle fondazioni esistenti, previste con ancoraggi chimici di barre metalliche opportunamente sagomate lungo l'intero perimetro. La rigidezza flessionale è garantita dalle dimensioni delle travi di fondazione, previste a sezione rettangolare per facilitare e velocizzare le operazioni di realizzazione della struttura.

Per la struttura non si considerano classi di duttilità, in quanto si progetta secondo comportamento non dissipativo degli elementi strutturali.

Caratteristiche generali della costruzione (7.2.1)

La costruzione risulta regolare in altezza e invece irregolare in pianta, secondo le definizioni delle NTC 2018, in quanto la rientranza in corrispondenza dell'ingresso sul lato Ovest del fabbricato è di entità superiore al 5% della planimetria di piano (risulta pari a poco meno del 10%).

Tuttavia l'edificio risulta simmetrico rispetto ai due assi principali X e Y con una distribuzione piuttosto uniforme dei pilastri, per cui il baricentro delle masse è quasi coincidente con il centro di rigidezza della struttura.

Questa configurazione viene mantenuta anche nella situazione di progetto, in quanto le strutture sismoresistenti verticali esterne sono state distribuite in modo uniforme lungo il perimetro dell'edificio e con bilanciamento delle rigidezze secondo i due assi X e Y (vedasi il ricorso ad elementi con sezione a "T" lungo la parete Est, per controbilanciare la rigidezza degli elementi angolari disposti in corrispondenza sulla parete Ovest, nella zona di arretramento dell'ingresso principale).

CONTROLLO RIGIDEEZZE STRUTTURALI								
Quota del piano		0.0		340.0		680.0		[cm]
Rigidezza KX (/1000)		3115.516		459.906		215.070		[daN/cm]
Rigidezza KY (/1000)		2036.361		348.862		169.481		[daN/cm]
Rigidezza Ktors (/1e6)		5596375		832357		379104		[daNcm]
Xk (centro rigidezze)		1461.9		1458.2		1458.2		[cm]
Yk (centro rigidezze)		833.2		803.1		793.3		[cm]
Xg (baricentro)		1448.0		1467.3		1477.6		[cm]
Yg (baricentro)		777.3		778.3		795.2		[cm]
dimensione X		2690		2690		2690		[cm]
dimensione Y		1277		1277		1277		[cm]
raggio rigidezze (rx)		1658		1545		1496		[cm]
raggio rigidezze (ry)		1340		1345		1328		[cm]
raggio giratorio (Is)		898		898		898		[cm]
MIN(rx , ry) / Is		1.4922		1.4978		1.4781		ok (> 1)
(Xg - Xk) / rx		0.0084		0.0059		0.0130		ok (< 0.3)
(Yg - Yk) / ry		0.0418		0.0184		0.0014		ok (< 0.3)
2° ordine (theta X)		0.62		0.63		0.55		[%] ok (< 10%)
2° ordine (theta Y)		0.95		0.83		0.70		[%] ok (< 10%)
Percentuale dinamica X		5.30		39.30		55.40		[%]
Percentuale dinamica Y		6.07		39.66		54.26		[%]

Il controllo delle rigidezze strutturali del modello di calcolo FEM evidenzia tale situazione, con parametri di controllo tutti verificati.

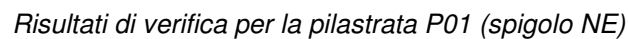
La percentuale dinamica delle masse a livello del piano terreno risulta alquanto contenuta a motivo della presenza del basso muro di cantinato del vespaio aerato sottostante e sul quale è impostato il solaio laterocemento stesso.

Criteri di progettazione di elementi strutturali “secondari” ed elementi non strutturali (7.2.3)

Nella struttura in progetto sono stati considerati elementi strutturali classificabili come “secondari” ai sensi di quanto previsto dal punto 7.2.3 della norma tutti i pilastri della costruzione esistente, ai quali viene pertanto affidato il compito di sopportare unicamente le azioni verticali.

I pilastri attuali, che presentavano già problemi di stabilità nel calcolo di progetto simulato per la presenza della massima azione del vento di progetto, risultano tutti verificati nella nuova configurazione di adeguamento sismico, in quanto la (quasi) totalità delle azioni orizzontali viene trasferita ai pilastri / setti di facciata, grazie all'adozione degli svincoli interni alle estremità dei pilastri esistenti. Anche le azioni del vento vengono ora assorbite dai nuovi elementi, alleggerendo quindi il compito degli elementi verticali già in opera.

Sulla scorta dei risultati di calcolo si è proceduto ad una riverifica dei pilastri esistenti, sempre con l'adozione dell'armatura standard già considerata nel progetto simulato della costruzione attuale, ottenendo risultati positivi per tutti gli elementi in ogni combinazione di carico. Naturalmente non sono verificati il passo minimo delle staffe e la percentuale minima di armatura della sezione prescritte dalle NTC 2018, ma gli elementi soddisfano le verifiche a SLU e SLE sia a pressoflessione sia per taglio con adozione delle caratteristiche dei materiali originari dell'edificio. Si rileva unicamente la possibile formazione di cerniere plastiche nella zona del sottotetto sul prolungamento dei pilastri che sostengono i due colmi laterali dell'edificio, con carenza di resistenza a presso-flessione: tale fenomeno, peraltro accettabile a SLV in quanto non comporta criticità strutturali che possono mettere in pericolo la stabilità dell'intero edificio, può essere comunque risolto con opportuna sistemazione di vincoli cedevoli all'orditura di legno della copertura (lame di acciaio deformabili), o con eventuale applicazione di fibre di carbonio ai pilastri, in quanto visibili e quindi accessibili nella zona sottotetto.



Gli impianti esistenti non sono stati verificati, in quanto limitati al solo impianto elettrico e idrosanitario, con tubazioni incassate all'interno delle murature o dei solai di piano.

La verifica delle strutture di fondazione rispetto alle azioni sismiche rispetta il requisito prescritto al punto 7.2.5 della norma, con assunzione delle azioni in fondazione pari alle resistenze degli elementi strutturali soprastanti, non maggiori comunque delle azioni effettivamente trasferite dagli elementi soprastanti amplificate di un fattore γ_{Rd} pari a 1,1 per CD "B".

30

Criteri di modellazione della struttura e azione sismica (7.2.6)

Il modello strutturale dell'edificio scolastico è quello già innanzi descritto, con schematizzazione tridimensionale di elementi monodimensionali (pilastri e travi) secondo l'effettiva distribuzione spaziale di masse, rigidezze e resistenze delle membrature strutturali.

Il modello è costituito dagli elementi strutturali secondari della costruzione esistente, non considerati nella resistenza all'azione sismica, e dagli elementi principali rappresentati dai nuovi pilastri/setti verticali di facciata (esterni) con funzione sismoresistente.

Le murature di tamponamento di facciata e le tramezzature interne non sono considerate nel modello strutturale in quanto il loro contributo alla rigidezza ed alla resistenza della costruzione nel suo complesso risultano trascurabili.

Gli orizzontamenti presenti, costituiti dai solai laterocemento di piano, sono considerati infinitamente rigidi nel loro piano.

Per rappresentare la rigidezza degli elementi strutturali è stato adottato un modello lineare.

Le azioni conseguenti al moto sismico sono modellate attraverso spettri di risposta.

Non si considera alcuna possibile modifica del moto sismico indotta dall'interazione fondazione-terreno.

METODI DI ANALISI E CRITERI DI VERIFICA (7.3)***Analisi lineare (7.3.1)***

L'analisi delle unità strutturali in progetto sotto effetto dell'azione sismica è stata condotta mediante analisi lineare.

FATTORE DI COMPORTAMENTO

In accordo con quanto già innanzi detto, è stato adottato un fattore di comportamento strutturale:

$q = 1,5$

che consente di considerare un comportamento NON DISSIPATIVO delle membrature sismoresistenti. In questo modo ci si svincola dal rispetto delle prescrizioni del capitolo 7 delle NTC 2018, atte a garantire il comportamento duttile degli elementi verticali, non applicabile per la costruzione esistente e in ogni caso di difficile attuazione per i nuovi elementi verticali, assimilabili sia a pareti sia a pilastri verticali.

Analisi dinamica (7.3.2)

L'equilibrio della struttura nell'analisi sismica viene trattato dinamicamente. Il metodo d'analisi adottato è pertanto l'analisi lineare modale con spettro di risposta o "analisi lineare dinamica". L'azione sismica viene pertanto modellata attraverso gli spettri di progetto già riportati in precedenza.

Analisi lineare dinamica (7.3.3.1)

Nell'analisi sono stati considerati i modi con massa partecipante significativa, ovvero tutti quei modi agenti secondo gli assi principali X e Y con massa partecipante superiore al 5% e comunque tali da fornire un contributo complessivo di massa partecipante superiore all'85%.

Nei tabulati di output delle strutture sono riportate le tabelle relative agli autovettori:

*** TABELLA AUTOVETTORI ***

n	PERIODO [sec]	MASSA ATTIVATA			COEFFICIENTI DI CORRELAZIONE							
		%X	%Y	%Z	n+1	n+2	n+3	n+4	n+5	n+6	n+7	
1	0.381867	0.003	36.911	0.000	0.383	0.209	0.143	0.047	0.001	0.001	0.000	0.000
2	0.336481	0.006	5.214	0.000	0.690	0.424	0.090	0.001	0.001	0.000	0.000	
3	0.314702	52.307	0.000	0.000	0.804	0.139	0.001	0.001	0.000	0.000		
4	0.299550	0.018	17.615	0.000	0.202	0.002	0.001	0.000	0.000			
5	0.245783	5.692	0.000	0.000	0.002	0.002	0.000	0.000				
16	0.048525	14.103	0.006	0.000	0.855	0.008	0.007					
18	0.046569	0.003	12.171	0.000	0.008	0.007						
30	0.017362	15.475	0.000	0.000	0.746							
31	0.016378	0.000	18.707	0.000								

MASSA TOTALE		87.606	90.625	0.000								

Per la combinazione degli effetti relativi ai singoli modi è stata utilizzata una combinazione quadratica completa, con impiego dei coefficienti di correlazione fra i diversi modi innanzi riportati.

Risposta alle diverse componenti dell'azione sismica ed alla variabilità spaziale del moto (7.3.5)

L'analisi dinamica in campo lineare è stata eseguita separatamente per ciascuna delle due componenti orizzontali X e Y. Gli effetti sulla struttura sono combinati mediante adozione di opportuno caso di carico, nel rispetto dell'espressione (7.3.15) della norma tecnica:

$$1,00 \cdot E_x + 0,30 \cdot E_y (+ 0,30 \cdot E_z)$$

con rotazione dei coefficienti moltiplicativi.

La componente verticale, come già detto innanzi, non è stata considerata in quanto la struttura non rientra nei casi di obbligatorietà previsti dalla norma.

VARIABILITA' SPAZIALE DEL MOTO SISMICO (7.2.6)

In ottemperanza a quanto previsto dalle NTC, la variabilità spaziale del moto sismico è stata considerata attribuendo al centro di massa l'eccentricità accidentale pari a 0,05 volte la dimensione media dell'edificio misurata perpendicolarmente alla direzione di applicazione dell'azione sismica.

Per la scuola elementare il momento torcente aggiuntivo dovuto all'azione sismica nelle due direzioni principali per effetto di questa eccentricità accidentale è stato determinato considerando il momento della risultante dell'azione sismica X e Y rispetto alle due eccentricità e_x ed e_y , incrementando poi nei casi di carico di "SISMAX SLU" e "SISMAY SLU" il momento torcente addizionale che tiene conto dello scostamento fra centro di massa e centro delle rigidezze (desunto dall'azione sismica statica) di questo contributo aggiuntivo. Per l'eccentricità secondo le due direzioni X e Y il momento addizionale per eccentricità risulta dello stesso ordine di grandezza di quello torcente originario, per cui il momento torcente è stato considerato con coefficiente moltiplicatore pari a 2.

**MODELLAZIONE AZIONE SISMICA
ECCENTRICITA' ACCIDENTALE CENTRO DI MASSA**

Dimensione X edificio	27 m
Dimensione Y edificio	12.8 m
Eccentricità accidentale	5.00%
Delta X	1.35 m
Delta Y	0.64 m
Azioni sismiche di piano (calcolo statico)	
Sisma X	240093 daN
Sisma Y	240093 daN
Momento torcente addizionale X	153659.5 daN*m
Momento torcente addizionale Y	324125.6 daN*m
Momento torcente X	148982.5 daN*m
Momento torcente Y	321394.5 daN*m
M torcente massimo X	302642 daN*m
M torcente massimo Y	645520 daN*m
Coefficiente M torcente X	2.031393
Coefficiente M torcente Y	2.008498

CRITERI DI VERIFICA AGLI STATI LIMITE (7.3.6)

Sono state eseguite tutte le verifiche previste dalla norma per le costruzioni in classe d'uso III, secondo il prospetto riportato nella tabella 7.3.III delle NTC 2018.

Tab. 7.3.III – Stati limite di elementi strutturali primari, elementi non strutturali e impianti

STATI LIMITE		CU I	CU II				CU III e IV		
		ST	ST	NS	IM		ST	NS	IM ^(*)
SLE	SLO						RIG		FUN
	SLD	RIG	RIG				RES		
SLU	SLV	RES	RES	STA	STA		RES	STA	STA
	SLC		DUT ^(**)				DUT ^(**)		

Verifiche di rigidezza (RIG) allo Stato Limite Operativo (SLO)

Per le strutture in classe III è prevista la verifica della rigidezza della struttura rispetto allo stato limite operativo, volta ad accertare che la deformazione degli elementi strutturali non provochi sugli elementi non strutturali danneggiamenti tali da rendere la costruzione inagibile.

La verifica viene condotta mediante il controllo degli spostamenti di interpiano, adottando valori limite pari ai 2/3 di quelli indicati al punto 7.3.6.1 per le verifiche a SLD delle strutture in classe I e II.

Si riportano nel seguito i calcoli degli spostamenti come forniti in output dal programma di calcolo F.E.M.

Casi da verificare:

☐ 5 - SISMAY SLU
☒ 6 - SLU con SISMAY PRINC
☒ 7 - SLU con SISMAY PRINC
☒ 8 - SLD con SISMAY PRINC
☒ 9 - SLD con SISMAY PRINC

CLASSE D'USO: Tolleranza di verticalità: cm

Percentuale ammissibile dell'altezza:

(Testo salvato su c:\dolmen21\lavori\21_15B\defosism.txt)

VERIFICA SPOSTAMENTI SISMICI DI ESERCIZIO (NTC 7.3.6.1)

spostamento limite interpiano = 0.333% dell'altezza

CASO n. 8 - SLD con SISMAY PRINC:

Zinf [cm]	Zsup [cm]	h [cm]	spost.max [cm]	%h	nodo	sest.	ver.
-80.00	0.00	80.00	0.058373	0.073	104	13	SI
0.00	340.00	340.00	0.274822	0.081	168	5	SI
340.00	680.00	340.00	0.323720	0.095	195	5	SI

CASO n. 9 - SLD con SISMAY PRINC:

Zinf [cm]	Zsup [cm]	h [cm]	spost.max [cm]	%h	nodo	sest.	ver.
-80.00	0.00	80.00	0.066567	0.083	104	4	SI
0.00	340.00	340.00	0.354608	0.104	168	2	SI
340.00	680.00	340.00	0.409605	0.120	195	2	SI

VERIFICA SPOSTAMENTI SISMICI DI S.L.V. (NTC 7.3.3.3)

Fattore Mud = 1.586

Quota [cm]	DX max [cm]	nodo	DY max [cm]	nodo
0.00	0.087424	197	0.140888	200
340.00	0.619416	170	0.905875	168
680.00	1.257303	193	1.791337	196

Verifiche degli elementi strutturali in termini di resistenza (RES) a SLD e SLV (7.3.6.1)

Tutti gli elementi strutturali sono stati verificati rispetto allo stato limite di danno (SLD) e di salvaguardia della vita (SLV) in termini di resistenza di progetto: il dimensionamento dei nuovi elementi sismoresistenti risponde alla relazione $E_d \leq R_d$, così come sono stati verificati anche i pilastri esistenti.

Nel caso specifico, con fattore di comportamento q imposto pari a 1,50, le azioni a SLV risultano molto più severe rispetto a quelle a SLD, per cui nel dimensionamento e verifica degli elementi strutturali prevalgono i casi di carico relativi a SLV come sollecitazioni massime di controllo.

Verifiche degli elementi strutturali in termini di duttilità (DUT) e capacità di deformazione (7.3.6.1)

Non applicabile, in quanto con $q=1,50$ è stato assunto un comportamento NON DISSIPATIVO delle strutture sismoresistenti di nuova realizzazione.

VERIFICA DEGLI ELEMENTI METALLICI DI SOLIDARIZZAZIONE

I pilastri / setti verticali sismoresistenti vengono solidarizzati da profilati metallici a sezione quadrata (300x300x6 mm) disposti fra i setti a livello dei due piani intermedi (piano primo e sottotetto), in modo da garantire comunque una ridistribuzione delle azioni sismiche anche qualora dovessero verificarsi problemi locali di rigidità dei solai laterocemento della costruzione esistente.

In considerazione dell'elevata rigidità degli elementi verticali non si hanno sollecitazioni rilevanti sui profili di solidarizzazione dal calcolo strutturale, per cui tali elementi risultano ampiamente verificati. Il sovradimensionamento tiene conto della possibile genesi di fenomeni locali che potrebbero in qualche modo creare delle variazioni nella distribuzione delle azioni orizzontali fra gli elementi sismoresistenti, provvedendo quindi a chiamare in causa il contributo resistente di tutti gli elementi verticali di nuova realizzazione. I profilati verranno fissati ai setti verticali mediante piastre saldate e collegamenti bullonati su barre filettate precedentemente sistemate nei getti in c.a. mediante maschere di posizionamento alle quote di progetto.

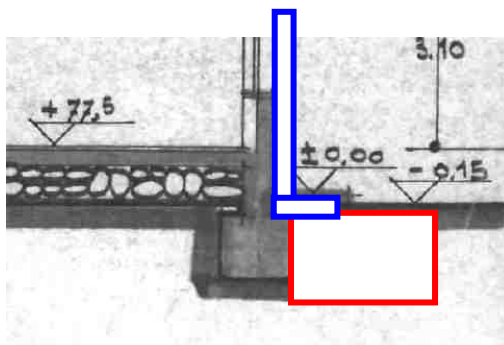
INDICAZIONI OPERATIVE PER LA REALIZZAZIONE DELLE NUOVE FONDAZIONI

Come già riportato innanzi, in sede di predisposizione del progetto di adeguamento sismico non è stato possibile procedere all'accertamento effettivo della sistemazione delle fondazioni esistenti dell'edificio scolastico, non potendo aprire un cantiere temporaneo sull'intero perimetro della costruzione volto unicamente al rilievo delle opere di fondazione, sia per questioni pratico-funzionali legate alla regolarità dell'attività scolastica, dopo i periodi di chiusura forzata legati all'emergenza pandemica da Covid-19, sia per questioni economico-finanziarie.

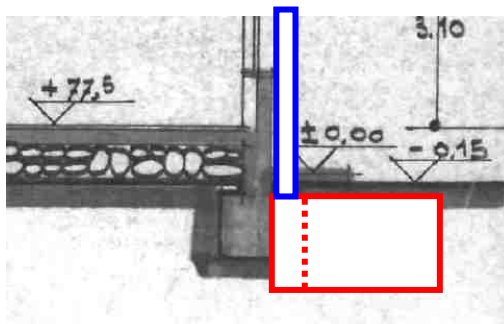
La verifica dell'effettiva dislocazione delle opere di fondazione dovrà pertanto essere eseguita nella prima parte del cantiere di adeguamento sismico, contestualmente all'apertura dello scavo perimetrale per la realizzazione della nuova fondazione esterna. In relazione all'effettivo schema fondazionale rilevato, si adotteranno i provvedimenti opportuni per l'adeguamento eventuale della struttura di fondazione definita

nell'ambito del presente progetto di adeguamento sismico. In particolare potranno verificarsi i seguenti casi:

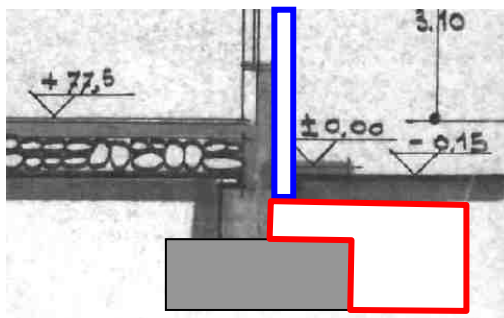
- fondazione esistente del tipo a nastro continuo al di sotto del muro di cantinato del vespaio aerato, di limitata estensione laterale => realizzazione della nuova fondazione in adiacenza a quella esistente, con relativa solidarizzazione mediante inghisaggi continui, ed adattamento dei ferri di ripresa dei setti verticali in relazione al posizionamento degli stessi lungo le pareti di facciata;



- fondazione esistente del tipo a nastro continuo al di sotto del muro di cantinato del vespaio aerato, di estensione laterale maggiore e limitata altezza => inglobamento della fondazione esistente all'interno della nuova fondazione, con relativa modifica dei ferri delle staffe e diversa ripartizione delle armature longitudinali, con eventuale demolizione della suola esistente nei tratti in corrispondenza dei setti verticali per consentire l'ancoraggio dei ferri di ripresa nella nuova fondazione;



-
- fondazione esistente del tipo a plinti isolati con soprastante muro di cantinato => conglobamento delle parti esterne dei plinti nella nuova fondazione, con modifica delle staffe e dei ferri longitudinali ed adozione di barre di collegamento fra i plinti mediante opportuni inghisaggi con resine chimiche. In questo caso la nuova fondazione sormonterà almeno parzialmente i plinti, in modo da garantire comunque continuità lungo il perimetro dell'edificio e permettere l'adattamento dei ferri di ripresa dei setti verticali.



Le dimensioni della nuova fondazione rimarranno comunque inalterate, per cui in caso di eventuali adattamenti di sezioni le maggiori lavorazioni derivanti dall'adeguamento dei ferri di carpenteria saranno compensate dai maggiori volumi di calcestruzzo necessari.

TABULATI DI CALCOLO

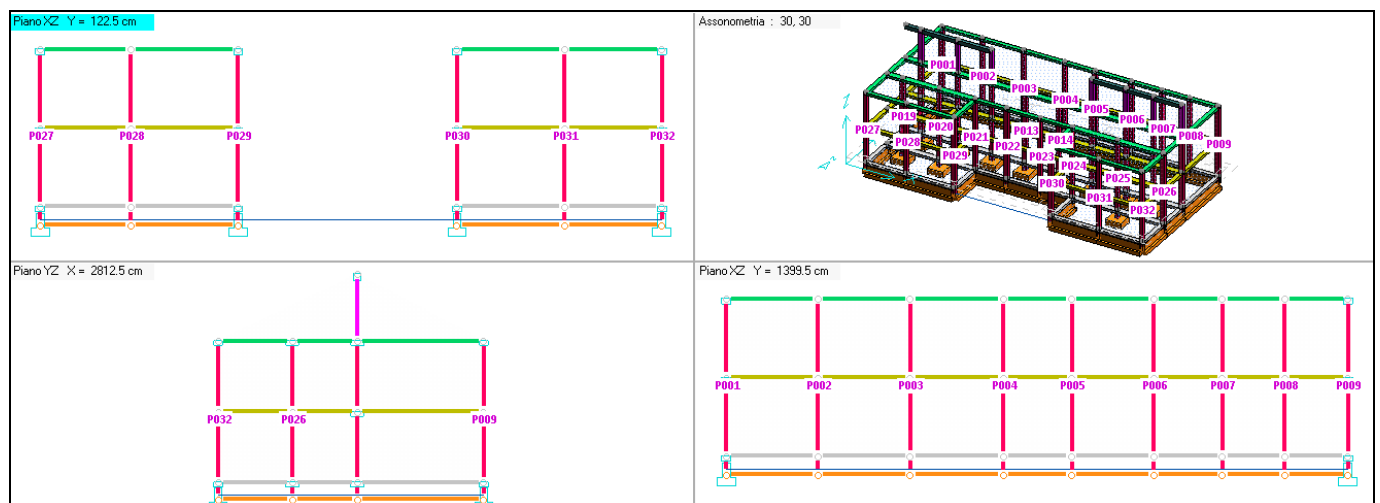
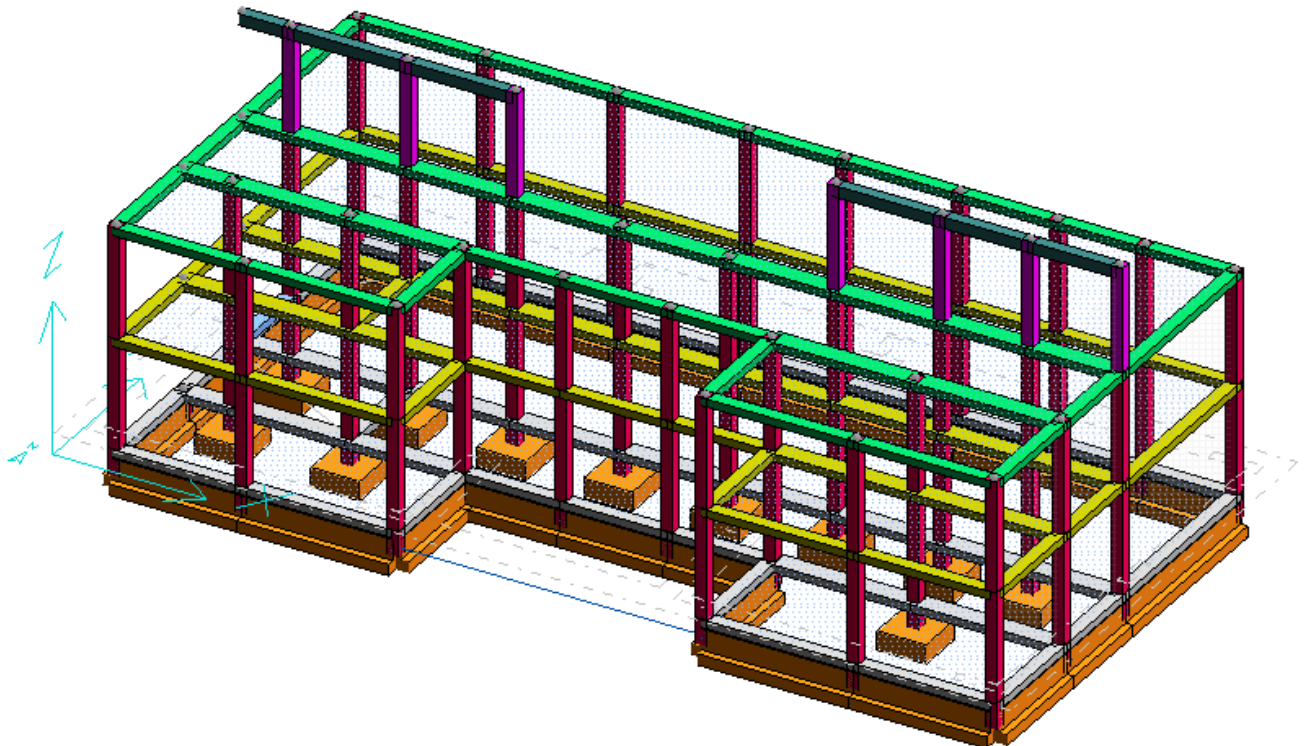
Si allegano alla presente relazione tecnica i tabulati di calcolo della struttura esistente e della nuova configurazione di progetto, con l'aggiunta delle membrature sismoresistenti al contorno dell'edificio scolastico.

I tabulati sono costituiti dai principali dati di input e di output del software di progettazione strutturale DmenWin adottato per i calcoli, secondo quanto già innanzi dichiarato.

DATI STRUTTURA:

*** DATI STRUTTURA

Unita` di misura :
 LUNGHEZZE : cm
 SUPERFICI : cm²
 DATI SEZIONALI : cm
 ANGOLI : gradi
 FORZE : daN
 MOMENTI : daNcm
 CARICHI LINEARI : daN/cm
 CARICHI SUPERFIC.: daN/cm²
 TENSIONI : daN/cm²
 PESI DI VOLUME : daN/cm³
 COEFF. DI WINKLER: daN/cm³
 RIGIDEZZE VINCOL.: daN/cm - daNcm/rad



NODI--	-----	-----	-----	-----	num.=
Nome	Coord. X	Coord. Y	Coord. Z		146
1	122.500	1399.500	0.000		
2	122.500	1399.500	340.000		
3	519.000	1399.500	0.000		
4	519.000	1399.500	340.000		
5	919.000	1399.500	0.000		
6	919.000	1399.500	340.000		
7	1321.500	1399.500	0.000		
8	1321.500	1399.500	340.000		
9	2812.500	1399.500	0.000		
10	2812.500	1399.500	340.000		
11	2812.500	791.000	0.000		
12	2812.500	791.000	340.000		
13	2538.500	791.000	0.000		
14	2538.500	791.000	340.000		
15	2269.500	791.000	0.000		
16	2269.500	791.000	340.000		
17	1942.000	791.000	0.000		
18	1942.000	791.000	340.000		
19	1615.000	791.000	0.000		
20	1615.000	791.000	340.000		
21	1287.000	791.000	0.000		
22	1287.000	791.000	340.000		
23	960.500	791.000	0.000		
24	960.500	791.000	340.000		
25	631.500	791.000	0.000		
26	631.500	791.000	340.000		
27	631.500	479.000	0.000		
28	631.500	479.000	340.000		
29	979.500	479.000	0.000		
30	979.500	479.000	340.000		
31	1926.500	479.000	0.000		
32	1926.500	479.000	340.000		
35	2812.500	122.500	0.000		
36	2812.500	122.500	340.000		
37	2391.000	122.500	0.000		
38	2391.000	122.500	340.000		
39	1926.500	122.500	0.000		
40	1926.500	122.500	340.000		
41	979.500	122.500	0.000		
42	979.500	122.500	340.000		
43	515.000	122.500	0.000		
44	515.000	122.500	340.000		
45	122.500	122.500	0.000		
46	122.500	122.500	340.000		
47	272.500	479.000	0.000		
48	272.500	479.000	340.000		
49	1615.000	479.000	0.000		
50	1615.000	479.000	340.000		
51	1287.000	479.000	0.000		
52	1287.000	479.000	340.000		
53	2366.500	479.000	0.000		
54	2366.500	479.000	340.000		
55	272.500	791.000	0.000		
56	272.500	791.000	340.000		
57	1617.500	1399.500	0.000		
58	1617.500	1399.500	340.000		
59	1973.000	1399.500	0.000		
60	1973.000	1399.500	340.000		
61	2269.500	1399.500	0.000		
62	2269.500	1399.500	340.000		
63	2538.500	1399.500	0.000		
64	2538.500	1399.500	340.000		
65	122.500	1399.500	680.000		
66	519.000	1399.500	680.000		
67	919.000	1399.500	680.000		
68	1321.500	1399.500	680.000		
69	2812.500	1399.500	680.000		
70	2812.500	791.000	680.000		
71	2538.500	791.000	680.000		
72	2269.500	791.000	680.000		
73	1942.000	791.000	680.000		
74	1615.000	791.000	680.000		
75	1287.000	791.000	680.000		
76	960.500	791.000	680.000		
77	631.500	791.000	680.000		
78	631.500	479.000	680.000		
79	979.500	479.000	680.000		
80	1926.500	479.000	680.000		
82	2812.500	122.500	680.000		
83	2391.000	122.500	680.000		
84	1926.500	122.500	680.000		
85	979.500	122.500	680.000		
86	515.000	122.500	680.000		
87	122.500	122.500	680.000		
88	272.500	479.000	680.000		
89	1615.000	479.000	680.000		
90	1287.000	479.000	680.000		
91	2366.500	479.000	680.000		
92	272.500	791.000	680.000		
93	1617.500	1399.500	680.000		
94	1973.000	1399.500	680.000		
95	2269.500	1399.500	680.000		

96	2538.500	1399.500	680.000
97	272.500	791.000	1000.000
98	631.500	791.000	1000.000
99	960.500	791.000	1000.000
100	2812.500	791.000	1000.000
101	2538.500	791.000	1000.000
102	2269.500	791.000	1000.000
103	1942.000	791.000	1000.000
104	2812.500	479.000	0.000
105	122.500	791.000	0.000
106	122.500	479.000	0.000
107	122.500	479.000	680.000
108	122.500	791.000	680.000
109	2812.500	479.000	680.000
110	2812.500	479.000	340.000
111	122.500	791.000	340.000
112	122.500	479.000	340.000
113	122.500	791.000	1000.000
114	122.500	1399.500	-80.000
115	519.000	1399.500	-80.000
116	919.000	1399.500	-80.000
117	1321.500	1399.500	-80.000
118	2812.500	1399.500	-80.000
119	2812.500	791.000	-80.000
120	2538.500	791.000	-80.000
121	2269.500	791.000	-80.000
122	1942.000	791.000	-80.000
123	1615.000	791.000	-80.000
124	1287.000	791.000	-80.000
125	960.500	791.000	-80.000
126	631.500	791.000	-80.000
127	631.500	479.000	-80.000
128	979.500	479.000	-80.000
129	1926.500	479.000	-80.000
131	2812.500	122.500	-80.000
132	2391.000	122.500	-80.000
133	1926.500	122.500	-80.000
134	979.500	122.500	-80.000
135	515.000	122.500	-80.000
136	122.500	122.500	-80.000
137	272.500	479.000	-80.000
138	1615.000	479.000	-80.000
139	1287.000	479.000	-80.000
140	2366.500	479.000	-80.000
141	272.500	791.000	-80.000
142	1617.500	1399.500	-80.000
143	1973.000	1399.500	-80.000
144	2269.500	1399.500	-80.000
145	2538.500	1399.500	-80.000
146	2812.500	479.000	-80.000
147	122.500	791.000	-80.000
148	122.500	479.000	-80.000
150	272.500	479.000	170.000
152	272.500	791.000	170.000

ASTE--	Nome	Proprieta'	Nodo iniz.	Nodo fin.	Rilasci in.	Rilasci fin.	num.=	Orient.
1	1	1	1	2			250	0.0
2	1	1	3	4				0.0
3	1	1	5	6				0.0
4	1	1	7	8				0.0
5	1	1	9	10				0.0
6	1	1	11	12				0.0
7	1	1	13	14				0.0
8	1	1	15	16				0.0
9	1	1	17	18				0.0
10	1	1	19	20				0.0
11	1	1	21	22				0.0
12	1	1	23	24				0.0
13	1	1	25	26				0.0
14	1	1	27	28				0.0
15	1	1	29	30				0.0
16	1	1	31	32				0.0
17	1	1	104	110				0.0
18	1	1	35	36				0.0
19	1	1	37	38				0.0
20	1	1	39	40				0.0
21	1	1	41	42				0.0
22	1	1	43	44				0.0
23	1	1	45	46				0.0
24	1	1	47	150				0.0
25	1	1	49	50				0.0
26	1	1	51	52				0.0
27	1	1	53	54				0.0
28	1	1	55	152				0.0
29	1	1	57	58				0.0
30	1	1	59	60				0.0
31	1	1	61	62				0.0
32	1	1	63	64				0.0
33	1	1	2	65				0.0
34	1	1	4	66				0.0
35	1	1	6	67				0.0
36	1	1	8	68				0.0
37	1	1	10	69				0.0

38	1	12	70	0.0
39	1	14	71	0.0
40	1	16	72	0.0
41	1	18	73	0.0
42	1	20	74	0.0
43	1	22	75	0.0
44	1	24	76	0.0
45	1	26	77	0.0
46	1	28	78	0.0
47	1	30	79	0.0
48	1	32	80	0.0
49	1	110	109	0.0
50	1	36	82	0.0
51	1	38	83	0.0
52	1	40	84	0.0
53	1	42	85	0.0
54	1	44	86	0.0
55	1	46	87	0.0
56	1	48	88	0.0
57	1	50	89	0.0
58	1	52	90	0.0
59	1	54	91	0.0
60	1	56	92	0.0
61	1	58	93	0.0
62	1	60	94	0.0
63	1	62	95	0.0
64	1	64	96	0.0
65	1	92	97	0.0
66	1	77	98	0.0
67	1	76	99	0.0
68	1	70	100	0.0
69	1	71	101	0.0
70	1	72	102	0.0
71	1	73	103	0.0
72	2	63	9	0.0
73	2	1	3	0.0
74	2	3	5	0.0
75	2	5	7	0.0
76	2	7	57	0.0
77	2	57	59	0.0
78	2	59	61	0.0
79	2	61	63	0.0
80	2	49	31	0.0
81	2	51	49	0.0
82	2	29	51	0.0
83	2	37	35	0.0
84	2	39	37	0.0
85	2	43	41	0.0
86	2	45	43	0.0
87	2	35	104	0.0
88	2	104	11	0.0
89	2	11	9	0.0
90	2	105	1	0.0
91	2	106	105	0.0
92	2	45	106	0.0
93	2	87	107	0.0
94	2	107	108	0.0
95	2	108	65	0.0
96	2	70	69	0.0
97	2	109	70	0.0
98	2	82	109	0.0
99	2	84	80	0.0
100	2	84	83	0.0
101	2	83	82	0.0
102	2	86	85	0.0
103	2	87	86	0.0
104	2	85	79	0.0
105	2	79	90	0.0
106	2	90	89	0.0
107	2	89	80	0.0
108	2	96	69	0.0
109	2	65	66	0.0
110	2	66	67	0.0
111	2	67	68	0.0
112	2	68	93	0.0
113	2	93	94	0.0
114	2	94	95	0.0
115	2	95	96	0.0
116	2	39	31	0.0
117	2	41	29	0.0
118	2	64	10	0.0
119	2	2	4	0.0
120	2	4	6	0.0
121	2	6	8	0.0
122	2	8	58	0.0
123	2	58	60	0.0
124	2	60	62	0.0
125	2	62	64	0.0
126	2	36	110	0.0
127	2	12	10	0.0
128	2	110	12	0.0
130	2	38	36	0.0
131	2	44	42	0.0
132	2	40	38	0.0

133	2	46	44	0.0
134	2	40	32	0.0
135	2	42	30	0.0
136	2	50	32	0.0
137	2	52	50	0.0
138	2	30	52	0.0
139	2	111	2	0.0
140	2	112	111	0.0
141	2	46	112	0.0
142	3	13	11	0.0
143	3	15	13	0.0
144	3	17	15	0.0
145	3	19	17	0.0
146	3	21	19	0.0
147	3	23	21	0.0
148	3	25	23	0.0
149	3	55	25	0.0
150	3	105	55	0.0
151	3	27	29	0.0
152	3	47	27	0.0
153	3	106	47	0.0
154	3	53	104	0.0
156	3	31	53	0.0
157	3	14	12	0.0
158	3	16	14	0.0
159	3	18	16	0.0
160	3	20	18	0.0
161	3	22	20	0.0
162	3	24	22	0.0
163	3	26	24	0.0
164	3	56	26	0.0
165	3	111	56	0.0
166	3	28	30	0.0
167	3	48	28	0.0
168	3	112	48	0.0
169	3	54	110	0.0
170	3	32	54	0.0
171	3	71	70	0.0
172	3	72	71	0.0
173	3	73	72	0.0
174	3	74	73	0.0
175	3	75	74	0.0
176	3	76	75	0.0
177	3	77	76	0.0
178	3	92	77	0.0
179	3	108	92	0.0
180	3	78	79	0.0
181	3	88	78	0.0
182	3	107	88	0.0
183	3	91	109	0.0
185	3	80	91	0.0
186	1	113	97	0.0
187	1	97	98	0.0
188	1	98	99	0.0
189	1	103	102	0.0
190	1	102	101	0.0
191	1	101	100	0.0
192	1	114	1	0.0
193	1	115	3	0.0
194	1	116	5	0.0
195	1	117	7	0.0
196	1	118	9	0.0
197	1	119	11	0.0
198	1	120	13	0.0
199	1	121	15	0.0
200	1	122	17	0.0
201	1	123	19	0.0
202	1	124	21	0.0
203	1	125	23	0.0
204	1	126	25	0.0
205	1	127	27	0.0
206	1	128	29	0.0
207	1	129	31	0.0
208	1	146	104	0.0
209	1	131	35	0.0
210	1	132	37	0.0
211	1	133	39	0.0
212	1	134	41	0.0
213	1	135	43	0.0
214	1	136	45	0.0
215	1	137	47	0.0
216	1	138	49	0.0
217	1	139	51	0.0
218	1	140	53	0.0
219	1	141	55	0.0
220	1	142	57	0.0
221	1	143	59	0.0
222	1	144	61	0.0
223	1	145	63	0.0
224	4	145	118	180.0
225	4	114	115	180.0
226	4	115	116	180.0
227	4	116	117	180.0
228	4	117	142	180.0

229	4	142	143	180.0
230	4	143	144	180.0
231	4	144	145	180.0
232	4	131	146	180.0
233	4	146	119	180.0
234	4	119	118	180.0
236	4	132	131	180.0
237	4	133	132	180.0
238	4	135	134	180.0
239	4	136	135	180.0
240	4	138	129	180.0
241	4	139	138	180.0
242	4	128	139	180.0
243	4	133	129	180.0
244	4	134	128	180.0
245	4	147	114	180.0
246	4	148	147	180.0
247	4	136	148	180.0
249	2	27	25	0.0
250	2	28	26	0.0
252	1	150	48	0.0
254	1	152	56	0.0
256	2	150	152	0.0
257	1	148	106	0.0
258	1	147	105	0.0

PROPRIETA' ASTE----- ----- ----- ----- ----- num.= 4						
Nome	Materiale	Base	Altezza	Area	Area tag. Y	Area tag. Z
		Kw vertic.	Kw orizz.	J tors.	J fless. Y	J fless. Z
1	1	35.00	35.00	1.22500E+03	1.02083E+03	1.02083E+03
		0.000000	0.000000	2.11335E+05	1.25052E+05	1.25052E+05
2	1	40.00	24.00	9.60000E+02	8.00000E+02	8.00000E+02
		0.000000	0.000000	1.15398E+05	1.28000E+05	4.60800E+04
3	1	60.00	24.00	1.44000E+03	1.20000E+03	1.20000E+03
		0.000000	0.000000	2.06954E+05	4.32000E+05	6.91200E+04
4	1	80.00	100.00	5.07500E+03	3.50000E+03	2.80000E+03
		2.000000	2.000000	1.69393E+06	1.72557E+06	4.22475E+06

MATERIALI----- ----- ----- ----- num.= 1				
Nome	Mod. elast.	Coeff. nu	Mod. tang.	Peso spec.
1	3.00000E+05	1.50000E-01	1.30000E+05	2.50000E-03
				Dil. te.
				1.00000E-05

VINCOLI----- ----- ----- ----- ----- num.= 11						
Nodo	Rigid. X	Rigid. Y	Rigid. Z	Rigid. RX	Rigid. RY	Rigid. RZ
141	bloccato	bloccato	4.50000E+04	8.43750E+07	8.43750E+07	bloccato
126	bloccato	bloccato	4.50000E+04	8.43750E+07	8.43750E+07	bloccato
125	bloccato	bloccato	4.50000E+04	8.43750E+07	8.43750E+07	bloccato
124	bloccato	bloccato	4.50000E+04	8.43750E+07	8.43750E+07	bloccato
123	bloccato	bloccato	4.50000E+04	8.43750E+07	8.43750E+07	bloccato
122	bloccato	bloccato	4.50000E+04	8.43750E+07	8.43750E+07	bloccato
121	bloccato	bloccato	4.50000E+04	8.43750E+07	8.43750E+07	bloccato
120	bloccato	bloccato	4.50000E+04	8.43750E+07	8.43750E+07	bloccato
140	bloccato	bloccato	4.50000E+04	8.43750E+07	8.43750E+07	bloccato
127	bloccato	bloccato	4.50000E+04	8.43750E+07	8.43750E+07	bloccato
137	bloccato	bloccato	4.50000E+04	8.43750E+07	8.43750E+07	bloccato

CARICHI NODI----- ----- ----- ----- num.= 3924				
Nome	Nodo	Direzione	Intensita'	
1 -	3390	: Forze Dinamiche (Autovettori)		
3391 -	3678	: Forze Sismiche (Analisi Semplificata)		
3679 -	3924	: Momenti Torcenti Addizionali		

CARICHI DI SOLAIO----- ----- ----- ----- num.= 8						
Nome	Cos X	Cos Y	Cos Z	Cond. Rifer.	Intens.	Quota
1	0.0000	1.0000	0.0000	2 glob	-0.02900	0.00
2	0.0000	1.0000	0.0000	2 glob	-0.02900	340.00
3	0.0000	1.0000	0.0000	2 glob	-0.02900	680.00
4	0.0000	1.0000	0.0000	6 glob	-0.01500	0.00
5	0.0000	1.0000	0.0000	6 glob	-0.01500	340.00
6	0.0000	1.0000	0.0000	6 glob	-0.01500	680.00
7	0.0000	1.0000	0.0000	7 glob	-0.03000	0.00
8	0.0000	1.0000	0.0000	7 glob	-0.03000	340.00

CARICHI ASTE----- ----- ----- ----- num.= 660								
Nome	Asta	Dir	Tip	RIF	Parametro 1	Parametro 2	Parametro 3	Parametro 4
3925	S005-p.proprio	h=22+4	72 Z	FT glo	-8.823	-8.823	0.000	0.000
3926	S005-p.proprio	h=22+4	73 Z	FT glo	-8.823	-8.823	0.000	0.000
3927	S005-p.proprio	h=22+4	74 Z	FT glo	-8.823	-8.823	0.000	0.000
3928	S005-p.proprio	h=22+4	75 Z	FT glo	-8.823	-8.823	0.000	0.000
3929	S005-p.proprio	h=22+4	76 Z	FT glo	-8.823	-8.823	0.000	0.000
3930	S005-p.proprio	h=22+4	77 Z	FT glo	-8.823	-8.823	0.000	0.000
3931	S005-p.proprio	h=22+4	78 Z	FT glo	-8.823	-8.823	0.000	0.000
3932	S005-p.proprio	h=22+4	79 Z	FT glo	-8.823	-8.823	0.000	0.000
3933	S005-p.proprio	h=22+4	80 Z	FT glo	-4.524	-4.524	0.000	0.000
3934	S005-p.proprio	h=22+4	81 Z	FT glo	-4.524	-4.524	0.000	0.000
3935	S005-p.proprio	h=22+4	82 Z	FT glo	-4.524	-4.524	0.000	0.000
3936	S005-p.proprio	h=22+4	83 Z	FT glo	-5.169	-5.169	0.000	0.000
3937	S005-p.proprio	h=22+4	84 Z	FT glo	-5.169	-5.169	0.000	0.000
3938	S005-p.proprio	h=22+4	85 Z	FT glo	-5.169	-5.169	0.000	0.000
3939	S005-p.proprio	h=22+4	86 Z	FT glo	-5.169	-5.169	0.000	0.000
3940	S005-p.proprio	h=22+4	142 Z	FT glo	-13.347	-13.347	0.000	0.000
3941	S005-p.proprio	h=22+4	143 Z	FT glo	-13.347	-13.347	0.000	0.000
3942	S005-p.proprio	h=22+4	144 Z	FT glo	-13.347	-13.347	0.000	0.000
3943	S005-p.proprio	h=22+4	145 Z	FT glo	-13.347	-13.347	0.000	0.000

Progetto esecutivo

Relazione Tecnica e di Calcolo - Tabulati struttura esistente

3944	S005-p.proprioh=22+4	146	Z	FT	glo	-13.347	-13.347	0.000	0.000
3945	S005-p.proprioh=22+4	147	Z	FT	glo	-13.347	-13.347	0.000	0.000
3946	S005-p.proprioh=22+4	148	Z	FT	glo	-13.347	-13.347	0.000	0.000
3947	S005-p.proprioh=22+4	149	Z	FT	glo	-13.347	-13.347	0.000	0.000
3948	S005-p.proprioh=22+4	150	Z	FT	glo	-13.347	-13.347	0.000	0.000
3949	S005-p.proprioh=22+4	151	Z	FT	glo	-9.693	-9.693	0.000	0.000
3950	S005-p.proprioh=22+4	152	Z	FT	glo	-9.693	-9.693	0.000	0.000
3951	S005-p.proprioh=22+4	153	Z	FT	glo	-9.693	-9.693	0.000	0.000
3952	S005-p.proprioh=22+4	154	Z	FT	glo	-9.693	-9.693	0.000	0.000
3953	S005-p.proprioh=22+4	156	Z	FT	glo	-9.693	-9.693	0.000	0.000
3954	S006-p.proprioh=22+4	118	Z	FT	glo	-8.823	-8.823	0.000	0.000
3955	S006-p.proprioh=22+4	119	Z	FT	glo	-8.823	-8.823	0.000	0.000
3956	S006-p.proprioh=22+4	120	Z	FT	glo	-8.823	-8.823	0.000	0.000
3957	S006-p.proprioh=22+4	121	Z	FT	glo	-8.823	-8.823	0.000	0.000
3958	S006-p.proprioh=22+4	122	Z	FT	glo	-8.823	-8.823	0.000	0.000
3959	S006-p.proprioh=22+4	123	Z	FT	glo	-8.823	-8.823	0.000	0.000
3960	S006-p.proprioh=22+4	124	Z	FT	glo	-8.823	-8.823	0.000	0.000
3961	S006-p.proprioh=22+4	125	Z	FT	glo	-8.823	-8.823	0.000	0.000
3962	S006-p.proprioh=22+4	130	Z	FT	glo	-5.169	-5.169	0.000	0.000
3963	S006-p.proprioh=22+4	131	Z	FT	glo	-5.169	-5.169	0.000	0.000
3964	S006-p.proprioh=22+4	132	Z	FT	glo	-5.169	-5.169	0.000	0.000
3965	S006-p.proprioh=22+4	133	Z	FT	glo	-5.169	-5.169	0.000	0.000
3966	S006-p.proprioh=22+4	136	Z	FT	glo	-4.524	-4.524	0.000	0.000
3967	S006-p.proprioh=22+4	137	Z	FT	glo	-4.524	-4.524	0.000	0.000
3968	S006-p.proprioh=22+4	138	Z	FT	glo	-4.524	-4.524	0.000	0.000
3969	S006-p.proprioh=22+4	157	Z	FT	glo	-13.347	-13.347	0.000	0.000
3970	S006-p.proprioh=22+4	158	Z	FT	glo	-13.347	-13.347	0.000	0.000
3971	S006-p.proprioh=22+4	159	Z	FT	glo	-13.347	-13.347	0.000	0.000
3972	S006-p.proprioh=22+4	160	Z	FT	glo	-13.347	-13.347	0.000	0.000
3973	S006-p.proprioh=22+4	161	Z	FT	glo	-13.347	-13.347	0.000	0.000
3974	S006-p.proprioh=22+4	162	Z	FT	glo	-13.347	-13.347	0.000	0.000
3975	S006-p.proprioh=22+4	163	Z	FT	glo	-13.347	-13.347	0.000	0.000
3976	S006-p.proprioh=22+4	164	Z	FT	glo	-13.347	-13.347	0.000	0.000
3977	S006-p.proprioh=22+4	165	Z	FT	glo	-13.347	-13.347	0.000	0.000
3978	S006-p.proprioh=22+4	166	Z	FT	glo	-9.693	-9.693	0.000	0.000
3979	S006-p.proprioh=22+4	167	Z	FT	glo	-9.693	-9.693	0.000	0.000
3980	S006-p.proprioh=22+4	168	Z	FT	glo	-9.693	-9.693	0.000	0.000
3981	S006-p.proprioh=22+4	169	Z	FT	glo	-9.693	-9.693	0.000	0.000
3982	S006-p.proprioh=22+4	170	Z	FT	glo	-9.693	-9.693	0.000	0.000
3983	S007-p.proprioh=22+4	100	Z	FT	glo	-5.169	-5.169	0.000	0.000
3984	S007-p.proprioh=22+4	101	Z	FT	glo	-5.169	-5.169	0.000	0.000
3985	S007-p.proprioh=22+4	102	Z	FT	glo	-5.169	-5.169	0.000	0.000
3986	S007-p.proprioh=22+4	103	Z	FT	glo	-5.169	-5.169	0.000	0.000
3987	S007-p.proprioh=22+4	105	Z	FT	glo	-4.524	-4.524	0.000	0.000
3988	S007-p.proprioh=22+4	106	Z	FT	glo	-4.524	-4.524	0.000	0.000
3989	S007-p.proprioh=22+4	107	Z	FT	glo	-4.524	-4.524	0.000	0.000
3990	S007-p.proprioh=22+4	108	Z	FT	glo	-8.823	-8.823	0.000	0.000
3991	S007-p.proprioh=22+4	109	Z	FT	glo	-8.823	-8.823	0.000	0.000
3992	S007-p.proprioh=22+4	110	Z	FT	glo	-8.823	-8.823	0.000	0.000
3993	S007-p.proprioh=22+4	111	Z	FT	glo	-8.823	-8.823	0.000	0.000
3994	S007-p.proprioh=22+4	112	Z	FT	glo	-8.823	-8.823	0.000	0.000
3995	S007-p.proprioh=22+4	113	Z	FT	glo	-8.823	-8.823	0.000	0.000
3996	S007-p.proprioh=22+4	114	Z	FT	glo	-8.823	-8.823	0.000	0.000
3997	S007-p.proprioh=22+4	115	Z	FT	glo	-8.823	-8.823	0.000	0.000
3998	S007-p.proprioh=22+4	171	Z	FT	glo	-13.347	-13.347	0.000	0.000
3999	S007-p.proprioh=22+4	172	Z	FT	glo	-13.347	-13.347	0.000	0.000
4000	S007-p.proprioh=22+4	173	Z	FT	glo	-13.347	-13.347	0.000	0.000
4001	S007-p.proprioh=22+4	174	Z	FT	glo	-13.347	-13.347	0.000	0.000
4002	S007-p.proprioh=22+4	175	Z	FT	glo	-13.347	-13.347	0.000	0.000
4003	S007-p.proprioh=22+4	176	Z	FT	glo	-13.347	-13.347	0.000	0.000
4004	S007-p.proprioh=22+4	177	Z	FT	glo	-13.347	-13.347	0.000	0.000
4005	S007-p.proprioh=22+4	178	Z	FT	glo	-13.347	-13.347	0.000	0.000
4006	S007-p.proprioh=22+4	179	Z	FT	glo	-13.347	-13.347	0.000	0.000
4007	S007-p.proprioh=22+4	180	Z	FT	glo	-9.693	-9.693	0.000	0.000
4008	S007-p.proprioh=22+4	181	Z	FT	glo	-9.693	-9.693	0.000	0.000
4009	S007-p.proprioh=22+4	182	Z	FT	glo	-9.693	-9.693	0.000	0.000
4010	S007-p.proprioh=22+4	183	Z	FT	glo	-9.693	-9.693	0.000	0.000
4011	S007-p.proprioh=22+4	185	Z	FT	glo	-9.693	-9.693	0.000	0.000
4012	P_tetto_Est	109	Z	FD	glo	-5.630			
4013	P_tetto_Est	110	Z	FD	glo	-5.630			
4014	P_tetto_Est	108	Z	FD	glo	-5.630			
4015	P_tetto_Est	114	Z	FD	glo	-5.630			
4016	P_tetto_Est	115	Z	FD	glo	-5.630			
4017	P_tetto_Colmo	177	Z	FD	glo	-9.600			
4018	P_tetto_Colmo	178	Z	FD	glo	-9.600			
4019	P_tetto_Colmo	179	Z	FD	glo	-9.600			
4020	P_tetto_Colmo	173	Z	FD	glo	-9.600			
4021	P_tetto_Colmo	172	Z	FD	glo	-9.600			
4022	P_tetto_Colmo	171	Z	FD	glo	-9.600			
4023	P_tetto_Ovest	102	Z	FD	glo	-6.100			
4024	P_tetto_Ovest	103	Z	FD	glo	-6.100			
4025	P_tetto_Ovest	100	Z	FD	glo	-6.100			
4026	P_tetto_Ovest	101	Z	FD	glo	-6.100			
4027	P_tetto_centro	111	Z	FD	glo	-8.400			
4028	P_tetto_centro	112	Z	FD	glo	-8.400			
4029	P_tetto_centro	113	Z	FD	glo	-8.400			
4030	P_tetto_centro	105	Z	FD	glo	-8.400			
4031	P_tetto_centro	106	Z	FD	glo	-8.400			
4032	P_tetto_centro	107	Z	FD	glo	-8.400			
4033	Muro_perimetrale_01	72	Z	FD	glo	-10.000			
4034	Muro_perimetrale_01	73	Z	FD	glo	-10.000			
4035	Muro_perimetrale_01	74	Z	FD	glo	-10.000			
4036	Muro_perimetrale_01	75	Z	FD	glo	-10.000			
4037	Muro_perimetrale_01	76	Z	FD	glo	-10.000			

4038	Muro_perimetrale_01	77	Z	FD	glo	-10.000			
4039	Muro_perimetrale_01	78	Z	FD	glo	-10.000			
4040	Muro_perimetrale_01	79	Z	FD	glo	-10.000			
4041	Muro_perimetrale_01	87	Z	FD	glo	-10.000			
4042	Muro_perimetrale_01	89	Z	FD	glo	-10.000			
4043	Muro_perimetrale_01	88	Z	FD	glo	-10.000			
4044	Muro_perimetrale_01	83	Z	FD	glo	-10.000			
4045	Muro_perimetrale_01	84	Z	FD	glo	-10.000			
4046	Muro_perimetrale_01	116	Z	FD	glo	-10.000			
4047	Muro_perimetrale_01	82	Z	FD	glo	-10.000			
4048	Muro_perimetrale_01	81	Z	FD	glo	-10.000			
4049	Muro_perimetrale_01	80	Z	FD	glo	-10.000			
4050	Muro_perimetrale_01	117	Z	FD	glo	-10.000			
4051	Muro_perimetrale_01	85	Z	FD	glo	-10.000			
4052	Muro_perimetrale_01	86	Z	FD	glo	-10.000			
4053	Muro_perimetrale_01	90	Z	FD	glo	-10.000			
4054	Muro_perimetrale_01	91	Z	FD	glo	-10.000			
4055	Muro_perimetrale_01	92	Z	FD	glo	-10.000			
4056	Muro_perimetrale_01	118	Z	FD	glo	-10.000			
4057	Muro_perimetrale_01	119	Z	FD	glo	-10.000			
4058	Muro_perimetrale_01	120	Z	FD	glo	-10.000			
4059	Muro_perimetrale_01	121	Z	FD	glo	-10.000			
4060	Muro_perimetrale_01	122	Z	FD	glo	-10.000			
4061	Muro_perimetrale_01	123	Z	FD	glo	-10.000			
4062	Muro_perimetrale_01	124	Z	FD	glo	-10.000			
4063	Muro_perimetrale_01	125	Z	FD	glo	-10.000			
4064	Muro_perimetrale_01	126	Z	FD	glo	-10.000			
4065	Muro_perimetrale_01	127	Z	FD	glo	-10.000			
4066	Muro_perimetrale_01	128	Z	FD	glo	-10.000			
4067	Muro_perimetrale_01	139	Z	FD	glo	-10.000			
4068	Muro_perimetrale_01	141	Z	FD	glo	-10.000			
4069	Muro_perimetrale_01	131	Z	FD	glo	-10.000			
4070	Muro_perimetrale_01	133	Z	FD	glo	-10.000			
4071	Muro_perimetrale_01	135	Z	FD	glo	-10.000			
4072	Muro_perimetrale_01	138	Z	FD	glo	-10.000			
4073	Muro_perimetrale_01	137	Z	FD	glo	-10.000			
4074	Muro_perimetrale_01	136	Z	FD	glo	-10.000			
4075	Muro_perimetrale_01	134	Z	FD	glo	-10.000			
4076	Muro_perimetrale_01	132	Z	FD	glo	-10.000			
4077	Muro_perimetrale_01	130	Z	FD	glo	-10.000			
4078	Muro_perimetrale_01	140	Z	FD	glo	-10.000			
4079	Muro_interno	157	Z	FD	glo	-3.500			
4080	Muro_interno	158	Z	FD	glo	-3.500			
4081	Muro_interno	159	Z	FD	glo	-3.500			
4082	Muro_interno	160	Z	FD	glo	-3.500			
4083	Muro_interno	161	Z	FD	glo	-3.500			
4084	Muro_interno	162	Z	FD	glo	-3.500			
4085	Muro_interno	163	Z	FD	glo	-3.500			
4086	Muro_interno	164	Z	FD	glo	-3.500			
4087	Muro_interno	165	Z	FD	glo	-3.500			
4088	Muro_interno	166	Z	FD	glo	-3.500			
4089	Muro_interno	167	Z	FD	glo	-3.500			
4090	Muro_interno	168	Z	FD	glo	-3.500			
4091	Muro_interno	170	Z	FD	glo	-3.500			
4092	Muro_interno	169	Z	FD	glo	-3.500			
4093	Muro_interno	142	Z	FD	glo	-3.500			
4094	Muro_interno	143	Z	FD	glo	-3.500			
4095	Muro_interno	144	Z	FD	glo	-3.500			
4096	Muro_interno	145	Z	FD	glo	-3.500			
4097	Muro_interno	146	Z	FD	glo	-3.500			
4098	Muro_interno	147	Z	FD	glo	-3.500			
4099	Muro_interno	148	Z	FD	glo	-3.500			
4100	Muro_interno	149	Z	FD	glo	-3.500			
4101	Muro_interno	150	Z	FD	glo	-3.500			
4102	Muro_interno	151	Z	FD	glo	-3.500			
4103	Muro_interno	152	Z	FD	glo	-3.500			
4104	Muro_interno	153	Z	FD	glo	-3.500			
4105	Muro_interno	156	Z	FD	glo	-3.500			
4106	Muro_interno	154	Z	FD	glo	-3.500			
4107	S005-SottofondoPav_+	72	Z	FT	glo	-4.564	-4.564	0.000	0.000
4108	S005-SottofondoPav_+	73	Z	FT	glo	-4.564	-4.564	0.000	0.000
4109	S005-SottofondoPav_+	74	Z	FT	glo	-4.564	-4.564	0.000	0.000
4110	S005-SottofondoPav_+	75	Z	FT	glo	-4.564	-4.564	0.000	0.000
4111	S005-SottofondoPav_+	76	Z	FT	glo	-4.564	-4.564	0.000	0.000
4112	S005-SottofondoPav_+	77	Z	FT	glo	-4.564	-4.564	0.000	0.000
4113	S005-SottofondoPav_+	78	Z	FT	glo	-4.564	-4.564	0.000	0.000
4114	S005-SottofondoPav_+	79	Z	FT	glo	-4.564	-4.564	0.000	0.000
4115	S005-SottofondoPav_+	80	Z	FT	glo	-2.340	-2.340	0.000	0.000
4116	S005-SottofondoPav_+	81	Z	FT	glo	-2.340	-2.340	0.000	0.000
4117	S005-SottofondoPav_+	82	Z	FT	glo	-2.340	-2.340	0.000	0.000
4118	S005-SottofondoPav_+	83	Z	FT	glo	-2.674	-2.674	0.000	0.000
4119	S005-SottofondoPav_+	84	Z	FT	glo	-2.674	-2.674	0.000	0.000
4120	S005-SottofondoPav_+	85	Z	FT	glo	-2.674	-2.674	0.000	0.000
4121	S005-SottofondoPav_+	86	Z	FT	glo	-2.674	-2.674	0.000	0.000
4122	S005-SottofondoPav_+	142	Z	FT	glo	-6.904	-6.904	0.000	0.000
4123	S005-SottofondoPav_+	143	Z	FT	glo	-6.904	-6.904	0.000	0.000
4124	S005-SottofondoPav_+	144	Z	FT	glo	-6.904	-6.904	0.000	0.000
4125	S005-SottofondoPav_+	145	Z	FT	glo	-6.904	-6.904	0.000	0.000
4126	S005-SottofondoPav_+	146	Z	FT	glo	-6.904	-6.904	0.000	0.000
4127	S005-SottofondoPav_+	147	Z	FT	glo	-6.904	-6.904	0.000	0.000
4128	S005-SottofondoPav_+	148	Z	FT	glo	-6.904	-6.904	0.000	0.000
4129	S005-SottofondoPav_+	149	Z	FT	glo	-6.904	-6.904	0.000	0.000
4130	S005-SottofondoPav_+	150	Z	FT	glo	-6.904	-6.904	0.000	0.000
4131	S005-SottofondoPav_+	151	Z	FT	glo	-5.014	-5.014	0.000	0.000

4132	S005-SottofondoPav_+	152	Z	FT	glo	-5.014	-5.014	0.000	0.000
4133	S005-SottofondoPav_+	153	Z	FT	glo	-5.014	-5.014	0.000	0.000
4134	S005-SottofondoPav_+	154	Z	FT	glo	-5.014	-5.014	0.000	0.000
4135	S005-SottofondoPav_+	156	Z	FT	glo	-5.014	-5.014	0.000	0.000
4136	S006-SottofondoPav_+	118	Z	FT	glo	-4.564	-4.564	0.000	0.000
4137	S006-SottofondoPav_+	119	Z	FT	glo	-4.564	-4.564	0.000	0.000
4138	S006-SottofondoPav_+	120	Z	FT	glo	-4.564	-4.564	0.000	0.000
4139	S006-SottofondoPav_+	121	Z	FT	glo	-4.564	-4.564	0.000	0.000
4140	S006-SottofondoPav_+	122	Z	FT	glo	-4.564	-4.564	0.000	0.000
4141	S006-SottofondoPav_+	123	Z	FT	glo	-4.564	-4.564	0.000	0.000
4142	S006-SottofondoPav_+	124	Z	FT	glo	-4.564	-4.564	0.000	0.000
4143	S006-SottofondoPav_+	125	Z	FT	glo	-4.564	-4.564	0.000	0.000
4144	S006-SottofondoPav_+	130	Z	FT	glo	-2.674	-2.674	0.000	0.000
4145	S006-SottofondoPav_+	131	Z	FT	glo	-2.674	-2.674	0.000	0.000
4146	S006-SottofondoPav_+	132	Z	FT	glo	-2.674	-2.674	0.000	0.000
4147	S006-SottofondoPav_+	133	Z	FT	glo	-2.674	-2.674	0.000	0.000
4148	S006-SottofondoPav_+	136	Z	FT	glo	-2.340	-2.340	0.000	0.000
4149	S006-SottofondoPav_+	137	Z	FT	glo	-2.340	-2.340	0.000	0.000
4150	S006-SottofondoPav_+	138	Z	FT	glo	-2.340	-2.340	0.000	0.000
4151	S006-SottofondoPav_+	157	Z	FT	glo	-6.904	-6.904	0.000	0.000
4152	S006-SottofondoPav_+	158	Z	FT	glo	-6.904	-6.904	0.000	0.000
4153	S006-SottofondoPav_+	159	Z	FT	glo	-6.904	-6.904	0.000	0.000
4154	S006-SottofondoPav_+	160	Z	FT	glo	-6.904	-6.904	0.000	0.000
4155	S006-SottofondoPav_+	161	Z	FT	glo	-6.904	-6.904	0.000	0.000
4156	S006-SottofondoPav_+	162	Z	FT	glo	-6.904	-6.904	0.000	0.000
4157	S006-SottofondoPav_+	163	Z	FT	glo	-6.904	-6.904	0.000	0.000
4158	S006-SottofondoPav_+	164	Z	FT	glo	-6.904	-6.904	0.000	0.000
4159	S006-SottofondoPav_+	165	Z	FT	glo	-6.904	-6.904	0.000	0.000
4160	S006-SottofondoPav_+	166	Z	FT	glo	-5.014	-5.014	0.000	0.000
4161	S006-SottofondoPav_+	167	Z	FT	glo	-5.014	-5.014	0.000	0.000
4162	S006-SottofondoPav_+	168	Z	FT	glo	-5.014	-5.014	0.000	0.000
4163	S006-SottofondoPav_+	169	Z	FT	glo	-5.014	-5.014	0.000	0.000
4164	S006-SottofondoPav_+	170	Z	FT	glo	-5.014	-5.014	0.000	0.000
4165	S007-SottofondoPav_+	100	Z	FT	glo	-2.674	-2.674	0.000	0.000
4166	S007-SottofondoPav_+	101	Z	FT	glo	-2.674	-2.674	0.000	0.000
4167	S007-SottofondoPav_+	102	Z	FT	glo	-2.674	-2.674	0.000	0.000
4168	S007-SottofondoPav_+	103	Z	FT	glo	-2.674	-2.674	0.000	0.000
4169	S007-SottofondoPav_+	105	Z	FT	glo	-2.340	-2.340	0.000	0.000
4170	S007-SottofondoPav_+	106	Z	FT	glo	-2.340	-2.340	0.000	0.000
4171	S007-SottofondoPav_+	107	Z	FT	glo	-2.340	-2.340	0.000	0.000
4172	S007-SottofondoPav_+	108	Z	FT	glo	-4.564	-4.564	0.000	0.000
4173	S007-SottofondoPav_+	109	Z	FT	glo	-4.564	-4.564	0.000	0.000
4174	S007-SottofondoPav_+	110	Z	FT	glo	-4.564	-4.564	0.000	0.000
4175	S007-SottofondoPav_+	111	Z	FT	glo	-4.564	-4.564	0.000	0.000
4176	S007-SottofondoPav_+	112	Z	FT	glo	-4.564	-4.564	0.000	0.000
4177	S007-SottofondoPav_+	113	Z	FT	glo	-4.564	-4.564	0.000	0.000
4178	S007-SottofondoPav_+	114	Z	FT	glo	-4.564	-4.564	0.000	0.000
4179	S007-SottofondoPav_+	115	Z	FT	glo	-4.564	-4.564	0.000	0.000
4180	S007-SottofondoPav_+	171	Z	FT	glo	-6.904	-6.904	0.000	0.000
4181	S007-SottofondoPav_+	172	Z	FT	glo	-6.904	-6.904	0.000	0.000
4182	S007-SottofondoPav_+	173	Z	FT	glo	-6.904	-6.904	0.000	0.000
4183	S007-SottofondoPav_+	174	Z	FT	glo	-6.904	-6.904	0.000	0.000
4184	S007-SottofondoPav_+	175	Z	FT	glo	-6.904	-6.904	0.000	0.000
4185	S007-SottofondoPav_+	176	Z	FT	glo	-6.904	-6.904	0.000	0.000
4186	S007-SottofondoPav_+	177	Z	FT	glo	-6.904	-6.904	0.000	0.000
4187	S007-SottofondoPav_+	178	Z	FT	glo	-6.904	-6.904	0.000	0.000
4188	S007-SottofondoPav_+	179	Z	FT	glo	-6.904	-6.904	0.000	0.000
4189	S007-SottofondoPav_+	180	Z	FT	glo	-5.014	-5.014	0.000	0.000
4190	S007-SottofondoPav_+	181	Z	FT	glo	-5.014	-5.014	0.000	0.000
4191	S007-SottofondoPav_+	182	Z	FT	glo	-5.014	-5.014	0.000	0.000
4192	S007-SottofondoPav_+	183	Z	FT	glo	-5.014	-5.014	0.000	0.000
4193	S007-SottofondoPav_+	185	Z	FT	glo	-5.014	-5.014	0.000	0.000
4194	S005-var_scuola	72	Z	FT	glo	-9.127	-9.127	0.000	0.000
4195	S005-var_scuola	73	Z	FT	glo	-9.127	-9.127	0.000	0.000
4196	S005-var_scuola	74	Z	FT	glo	-9.127	-9.127	0.000	0.000
4197	S005-var_scuola	75	Z	FT	glo	-9.127	-9.127	0.000	0.000
4198	S005-var_scuola	76	Z	FT	glo	-9.127	-9.127	0.000	0.000
4199	S005-var_scuola	77	Z	FT	glo	-9.127	-9.127	0.000	0.000
4200	S005-var_scuola	78	Z	FT	glo	-9.127	-9.127	0.000	0.000
4201	S005-var_scuola	79	Z	FT	glo	-9.127	-9.127	0.000	0.000
4202	S005-var_scuola	80	Z	FT	glo	-4.680	-4.680	0.000	0.000
4203	S005-var_scuola	81	Z	FT	glo	-4.680	-4.680	0.000	0.000
4204	S005-var_scuola	82	Z	FT	glo	-4.680	-4.680	0.000	0.000
4205	S005-var_scuola	83	Z	FT	glo	-5.348	-5.348	0.000	0.000
4206	S005-var_scuola	84	Z	FT	glo	-5.348	-5.348	0.000	0.000
4207	S005-var_scuola	85	Z	FT	glo	-5.348	-5.348	0.000	0.000
4208	S005-var_scuola	86	Z	FT	glo	-5.348	-5.348	0.000	0.000
4209	S005-var_scuola	142	Z	FT	glo	-13.807	-13.807	0.000	0.000
4210	S005-var_scuola	143	Z	FT	glo	-13.807	-13.807	0.000	0.000
4211	S005-var_scuola	144	Z	FT	glo	-13.807	-13.807	0.000	0.000
4212	S005-var_scuola	145	Z	FT	glo	-13.807	-13.807	0.000	0.000
4213	S005-var_scuola	146	Z	FT	glo	-13.807	-13.807	0.000	0.000
4214	S005-var_scuola	147	Z	FT	glo	-13.807	-13.807	0.000	0.000
4215	S005-var_scuola	148	Z	FT	glo	-13.807	-13.807	0.000	0.000
4216	S005-var_scuola	149	Z	FT	glo	-13.807	-13.807	0.000	0.000
4217	S005-var_scuola	150	Z	FT	glo	-13.807	-13.807	0.000	0.000
4218	S005-var_scuola	151	Z	FT	glo	-10.027	-10.027	0.000	0.000
4219	S005-var_scuola	152	Z	FT	glo	-10.027	-10.027	0.000	0.000
4220	S005-var_scuola	153	Z	FT	glo	-10.027	-10.027	0.000	0.000
4221	S005-var_scuola	154	Z	FT	glo	-10.027	-10.027	0.000	0.000
4222	S005-var_scuola	156	Z	FT	glo	-10.027	-10.027	0.000	0.000
4223	S006-var_scuola	118	Z	FT	glo	-9.127	-9.127	0.000	0.000
4224	S006-var_scuola	119	Z	FT	glo	-9.127	-9.127	0.000	0.000

Progetto esecutivo

Relazione Tecnica e di Calcolo - Tabulati struttura esistente

4225	S006-var_scuola	120	Z	FT	glo	-9.127	-9.127	0.000	0.000
4226	S006-var_scuola	121	Z	FT	glo	-9.127	-9.127	0.000	0.000
4227	S006-var_scuola	122	Z	FT	glo	-9.127	-9.127	0.000	0.000
4228	S006-var_scuola	123	Z	FT	glo	-9.127	-9.127	0.000	0.000
4229	S006-var_scuola	124	Z	FT	glo	-9.127	-9.127	0.000	0.000
4230	S006-var_scuola	125	Z	FT	glo	-9.127	-9.127	0.000	0.000
4231	S006-var_scuola	130	Z	FT	glo	-5.348	-5.348	0.000	0.000
4232	S006-var_scuola	131	Z	FT	glo	-5.348	-5.348	0.000	0.000
4233	S006-var_scuola	132	Z	FT	glo	-5.348	-5.348	0.000	0.000
4234	S006-var_scuola	133	Z	FT	glo	-5.348	-5.348	0.000	0.000
4235	S006-var_scuola	136	Z	FT	glo	-4.680	-4.680	0.000	0.000
4236	S006-var_scuola	137	Z	FT	glo	-4.680	-4.680	0.000	0.000
4237	S006-var_scuola	138	Z	FT	glo	-4.680	-4.680	0.000	0.000
4238	S006-var_scuola	157	Z	FT	glo	-13.807	-13.807	0.000	0.000
4239	S006-var_scuola	158	Z	FT	glo	-13.807	-13.807	0.000	0.000
4240	S006-var_scuola	159	Z	FT	glo	-13.807	-13.807	0.000	0.000
4241	S006-var_scuola	160	Z	FT	glo	-13.807	-13.807	0.000	0.000
4242	S006-var_scuola	161	Z	FT	glo	-13.807	-13.807	0.000	0.000
4243	S006-var_scuola	162	Z	FT	glo	-13.807	-13.807	0.000	0.000
4244	S006-var_scuola	163	Z	FT	glo	-13.807	-13.807	0.000	0.000
4245	S006-var_scuola	164	Z	FT	glo	-13.807	-13.807	0.000	0.000
4246	S006-var_scuola	165	Z	FT	glo	-13.807	-13.807	0.000	0.000
4247	S006-var_scuola	166	Z	FT	glo	-10.027	-10.027	0.000	0.000
4248	S006-var_scuola	167	Z	FT	glo	-10.027	-10.027	0.000	0.000
4249	S006-var_scuola	168	Z	FT	glo	-10.027	-10.027	0.000	0.000
4250	S006-var_scuola	169	Z	FT	glo	-10.027	-10.027	0.000	0.000
4251	S006-var_scuola	170	Z	FT	glo	-10.027	-10.027	0.000	0.000
4252	Neve_Est	109	Z	FD	glo	-5.630			
4253	Neve_Est	110	Z	FD	glo	-5.630			
4254	Neve_Est	108	Z	FD	glo	-5.630			
4255	Neve_Est	114	Z	FD	glo	-5.630			
4256	Neve_Est	115	Z	FD	glo	-5.630			
4257	Neve_Colmo	177	Z	FD	glo	-9.600			
4258	Neve_Colmo	178	Z	FD	glo	-9.600			
4259	Neve_Colmo	179	Z	FD	glo	-9.600			
4260	Neve_Colmo	173	Z	FD	glo	-9.600			
4261	Neve_Colmo	172	Z	FD	glo	-9.600			
4262	Neve_Colmo	171	Z	FD	glo	-9.600			
4263	Neve_Ovest	102	Z	FD	glo	-6.100			
4264	Neve_Ovest	103	Z	FD	glo	-6.100			
4265	Neve_Ovest	100	Z	FD	glo	-6.100			
4266	Neve_Ovest	101	Z	FD	glo	-6.100			
4267	Neve_centro	111	Z	FD	glo	-8.400			
4268	Neve_centro	112	Z	FD	glo	-8.400			
4269	Neve_centro	113	Z	FD	glo	-8.400			
4270	Neve_centro	105	Z	FD	glo	-8.400			
4271	Neve_centro	106	Z	FD	glo	-8.400			
4272	Neve_centro	107	Z	FD	glo	-8.400			
4273	Pp_scala_T_piano	250	Z	FD	glo	-5.400			
4274	Pp_scala_T_pianerott	256	Z	FD	glo	-9.000			
4275	Var_scala_T_piano	250	Z	FD	glo	-7.200			
4276	Var_scala_T_pianerot	256	Z	FD	glo	-12.000			
4277	Vento_X	5	X	A	2	0.00800			
4278	Vento_X	6	X	A	2	0.00800			
4279	Vento_X	18	X	A	2	0.00800			
4280	Vento_X	37	X	A	2	0.00800			
4281	Vento_X	38	X	A	2	0.00800			
4282	Vento_X	50	X	A	2	0.00800			
4283	Vento_X	68	X	A	2	0.00800			
4284	Vento_X	87	X	A	2	0.00800			
4285	Vento_X	89	X	A	2	0.00800			
4286	Vento_X	96	X	A	2	0.00800			
4287	Vento_X	98	X	A	2	0.00800			
4288	Vento_X	126	X	A	2	0.00800			
4289	Vento_X	127	X	A	2	0.00800			
4290	Vento_X	17	X	A	2	0.00800			
4291	Vento_X	49	X	A	2	0.00800			
4292	Vento_X	88	X	A	2	0.00800			
4293	Vento_X	128	X	A	2	0.00800			
4294	Vento_X	97	X	A	2	0.00800			
4295	Vento_Y	1	Y	A	2	0.00800			
4296	Vento_Y	2	Y	A	2	0.00800			
4297	Vento_Y	3	Y	A	2	0.00800			
4298	Vento_Y	4	Y	A	2	0.00800			
4299	Vento_Y	5	Y	A	2	0.00800			
4300	Vento_Y	29	Y	A	2	0.00800			
4301	Vento_Y	30	Y	A	2	0.00800			
4302	Vento_Y	31	Y	A	2	0.00800			
4303	Vento_Y	32	Y	A	2	0.00800			
4304	Vento_Y	33	Y	A	2	0.00800			
4305	Vento_Y	34	Y	A	2	0.00800			
4306	Vento_Y	35	Y	A	2	0.00800			
4307	Vento_Y	36	Y	A	2	0.00800			
4308	Vento_Y	37	Y	A	2	0.00800			
4309	Vento_Y	61	Y	A	2	0.00800			
4310	Vento_Y	62	Y	A	2	0.00800			
4311	Vento_Y	63	Y	A	2	0.00800			
4312	Vento_Y	64	Y	A	2	0.00800			
4313	Vento_Y	72	Y	A	2	0.00800			
4314	Vento_Y	73	Y	A	2	0.00800			
4315	Vento_Y	74	Y	A	2	0.00800			
4316	Vento_Y	75	Y	A	2	0.00800			
4317	Vento_Y	76	Y	A	2	0.00800			
4318	Vento_Y	77	Y	A	2	0.00800			

4319	Vento_Y	78	Y	A	2	0.00800
4320	Vento_Y	79	Y	A	2	0.00800
4321	Vento_Y	108	Y	A	2	0.00800
4322	Vento_Y	109	Y	A	2	0.00800
4323	Vento_Y	110	Y	A	2	0.00800
4324	Vento_Y	111	Y	A	2	0.00800
4325	Vento_Y	112	Y	A	2	0.00800
4326	Vento_Y	113	Y	A	2	0.00800
4327	Vento_Y	114	Y	A	2	0.00800
4328	Vento_Y	115	Y	A	2	0.00800
4329	Vento_Y	118	Y	A	2	0.00800
4330	Vento_Y	119	Y	A	2	0.00800
4331	Vento_Y	120	Y	A	2	0.00800
4332	Vento_Y	121	Y	A	2	0.00800
4333	Vento_Y	122	Y	A	2	0.00800
4334	Vento_Y	123	Y	A	2	0.00800
4335	Vento_Y	124	Y	A	2	0.00800
4336	Vento_Y	125	Y	A	2	0.00800

PESI PROPRI ASTE--|-----|-----|-----|-----|-----|
 Cond. Nome Carichi Aste
 1 4337-4584 1-128, 130-154, 156-183, 185-234, 236-247, 249-250,
 252, 254, 256

CARICHI DI LINEA |-----|-----|-----|-----|-----|num.= 0
 Nome numero coordinata Intensità
 inizio fine Cond. Direz. inizio fine Descrizione

CONDIZIONI DI CARICO-----|-----|-----|-----|-----|num.= 42

Nome						
1	Peso_proprio	N. carichi:	248			
	Lista carichi: 4337-4584					
2	Pp_solai	N. carichi:	87			
	Lista carichi: 3925-4011					
3	Perm_tetto	N. carichi:	21			
	Lista carichi: 4012-4032					
4	Muri_perimetrali	N. carichi:	46			
	Lista carichi: 4033-4078					
5	Muri_interni	N. carichi:	28			
	Lista carichi: 4079-4106					
6	Sottofondi	N. carichi:	87			
	Lista carichi: 4107-4193					
7	C1_Var_scuola	N. carichi:	58			
	Lista carichi: 4194-4251					
8	Neve	N. carichi:	21			
	Lista carichi: 4252-4272					
9	Pp_scala	N. carichi:	2			
	Lista carichi: 4273-4274					
10	Var_scala	N. carichi:	2			
	Lista carichi: 4275-4276					
11	Sisma_X	N. carichi:	144			
	Lista carichi: 3391-3534					
12	Sisma_Y	N. carichi:	144			
	Lista carichi: 3535-3678					
13	Torcente_add._X	N. carichi:	104			
	Lista carichi: 3679-3782					
14	Torcente_add._Y	N. carichi:	142			
	Lista carichi: 3783-3924					
15	Vento_X	N. carichi:	18			
	Lista carichi: 4277-4294					
16	Vento_Y	N. carichi:	42			
	Lista carichi: 4295-4336					
17	Autovett_001_(X)	N. carichi:	127			
	Lista carichi: 1-127					
18	Autovett_001_(Y)	N. carichi:	135			
	Lista carichi: 128-262					
19	Autovett_002_(X)	N. carichi:	130			
	Lista carichi: 263-392					
20	Autovett_002_(Y)	N. carichi:	135			
	Lista carichi: 393-527					
21	Autovett_003_(X)	N. carichi:	129			
	Lista carichi: 528-656					
22	Autovett_003_(Y)	N. carichi:	135			

Lista carichi: 657-791

- 23 Autovett_004_(X) N. carichi: 134
Lista carichi: 792-925
- 24 Autovett_004_(Y) N. carichi: 134
Lista carichi: 926-1059
- 25 Autovett_005_(X) N. carichi: 135
Lista carichi: 1060-1194
- 26 Autovett_005_(Y) N. carichi: 135
Lista carichi: 1195-1329
- 27 Autovett_007_(X) N. carichi: 135
Lista carichi: 1330-1464
- 28 Autovett_007_(Y) N. carichi: 115
Lista carichi: 1465-1579
- 29 Autovett_008_(X) N. carichi: 135
Lista carichi: 1580-1714
- 30 Autovett_008_(Y) N. carichi: 135
Lista carichi: 1715-1849
- 31 Autovett_009_(X) N. carichi: 135
Lista carichi: 1850-1984
- 32 Autovett_009_(Y) N. carichi: 135
Lista carichi: 1985-2119
- 33 Autovett_014_(X) N. carichi: 135
Lista carichi: 2120-2254
- 34 Autovett_014_(Y) N. carichi: 135
Lista carichi: 2255-2389
- 35 Autovett_025_(X) N. carichi: 135
Lista carichi: 2390-2524
- 36 Autovett_025_(Y) N. carichi: 131
Lista carichi: 2525-2655
- 37 Autovett_064_(X) N. carichi: 135
Lista carichi: 2656-2790
- 38 Autovett_064_(Y) N. carichi: 135
Lista carichi: 2791-2925
- 39 Autovett_072_(X) N. carichi: 64
Lista carichi: 2926-2989
- 40 Autovett_072_(Y) N. carichi: 133
Lista carichi: 2990-3122
- 41 Autovett_076_(X) N. carichi: 135
Lista carichi: 3123-3257
- 42 Autovett_076_(Y) N. carichi: 133
Lista carichi: 3258-3390

RISULTANTI DEI CARICHI (punto di applicazione nell'origine degli assi):

cond.	FX	FY	FZ	MX	MY	MZ
1	0.000000E+00	0.000000E+00	-3.086623E+05	-2.305586E+08	4.568258E+08	0.000000E+00
2	0.000000E+00	0.000000E+00	-2.694850E+05	-2.185964E+08	3.958952E+08	0.000000E+00
3	0.000000E+00	0.000000E+00	-5.305298E+04	-4.336743E+07	7.791401E+07	0.000000E+00
4	0.000000E+00	0.000000E+00	-1.729400E+05	-1.317963E+08	2.535827E+08	0.000000E+00
5	0.000000E+00	0.000000E+00	-3.103100E+04	-2.073881E+07	4.563411E+07	0.000000E+00
6	0.000000E+00	0.000000E+00	-1.393886E+05	-1.130670E+08	2.047731E+08	0.000000E+00
7	0.000000E+00	0.000000E+00	-1.858515E+05	-1.507559E+08	2.730307E+08	0.000000E+00
8	0.000000E+00	0.000000E+00	-5.305298E+04	-4.336743E+07	7.791401E+07	0.000000E+00
9	0.000000E+00	0.000000E+00	-4.492800E+03	-2.852928E+06	1.829131E+06	0.000000E+00
10	0.000000E+00	0.000000E+00	-5.990400E+03	-3.803904E+06	2.438842E+06	0.000000E+00
11	7.152497E+04	0.000000E+00	0.000000E+00	0.000000E+00	3.558194E+07	-5.625140E+07
12	0.000000E+00	7.152497E+04	0.000000E+00	-3.558194E+07	0.000000E+00	1.050010E+08
13	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	-4.439078E+06
14	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	9.576851E+06
15	8.581467E+03	0.000000E+00	0.000000E+00	0.000000E+00	3.558985E+06	-6.568710E+06
16	0.000000E+00	8.581445E+03	0.000000E+00	-3.184431E+06	0.000000E+00	1.051227E+06
17	8.906000E+01	0.000000E+00	0.000000E+00	0.000000E+00	2.571890E+04	-1.883244E+05
18	0.000000E+00	2.613959E+04	0.000000E+00	-1.038727E+07	0.000000E+00	3.390472E+07
19	8.166300E+02	0.000000E+00	0.000000E+00	0.000000E+00	2.125797E+05	-4.972890E+05
20	0.000000E+00	2.612715E+04	0.000000E+00	-1.351767E+07	0.000000E+00	5.759495E+07
21	4.196900E+02	0.000000E+00	0.000000E+00	0.000000E+00	1.186874E+05	-3.550451E+04
22	0.000000E+00	2.972710E+03	0.000000E+00	-1.524447E+06	0.000000E+00	-7.325340E+06
23	8.574200E+02	0.000000E+00	0.000000E+00	0.000000E+00	3.143188E+05	-1.624706E+06
24	0.000000E+00	6.789290E+03	0.000000E+00	2.162806E+06	0.000000E+00	1.500265E+07
25	3.957260E+03	0.000000E+00	0.000000E+00	0.000000E+00	1.377086E+06	-3.346670E+06
26	0.000000E+00	1.193564E+04	0.000000E+00	-4.458572E+06	0.000000E+00	1.544392E+07
27	1.058838E+05	0.000000E+00	0.000000E+00	0.000000E+00	4.465695E+07	-5.594797E+07
28	0.000000E+00	-9.000000E-02	0.000000E+00	5.138200E+03	0.000000E+00	-1.945800E+03
29	6.935720E+03	0.000000E+00	0.000000E+00	0.000000E+00	4.583812E+06	-5.576405E+06
30	0.000000E+00	1.228320E+03	0.000000E+00	6.560073E+05	0.000000E+00	1.709182E+06

31	7.131700E+03	0.000000E+00	0.000000E+00	0.000000E+00	5.844028E+06	-6.894902E+06
32	0.000000E+00	5.118730E+03	0.000000E+00	1.486830E+06	0.000000E+00	1.118812E+07
33	1.982200E+02	0.000000E+00	0.000000E+00	0.000000E+00	-2.018375E+05	-2.572018E+05
34	0.000000E+00	1.708080E+04	0.000000E+00	1.764963E+06	0.000000E+00	1.677705E+07
35	1.117317E+04	0.000000E+00	0.000000E+00	0.000000E+00	-2.227973E+06	-3.311178E+06
36	0.000000E+00	3.650000E+00	0.000000E+00	-5.178000E+03	0.000000E+00	-8.664302E+04
37	9.911550E+03	0.000000E+00	0.000000E+00	0.000000E+00	-5.901712E+05	-7.347491E+06
38	0.000000E+00	2.997000E+01	0.000000E+00	2.436300E+03	0.000000E+00	6.031169E+04
39	4.850000E+00	0.000000E+00	0.000000E+00	0.000000E+00	5.925700E+03	-4.355300E+03
40	0.000000E+00	5.685870E+03	0.000000E+00	3.695824E+05	0.000000E+00	8.685571E+06
41	3.304130E+03	0.000000E+00	0.000000E+00	0.000000E+00	-2.216149E+05	-2.838320E+06
42	0.000000E+00	1.941500E+02	0.000000E+00	1.074840E+04	0.000000E+00	3.733955E+05

DATI ANALISI SISMICA:

ANALISI DINAMICA

lavoro : \21_15A

PARAMETRI DI CALCOLO:

Modello generale

Assi di vibrazione: X Y

Combinazione quadratica completa (CQC)

DATI PROGETTO

Edificio sito in località MURELLO (long. 7.601 lat. 44.751500)

Categoria del suolo di fondazione = C

Coeff. di amplificazione stratigrafica $S_s = 1.500$ Coeff. di amplificazione topografica $S_T = 1.000$ $S = 1.500$

Vita nominale dell'opera VN = 50 anni

Coefficiente d'uso CU = 1.5

Periodo di riferimento VR = 75.0

PVR : probabilit? di superamento in VR = 10 %

Tempo di ritorno = 711

Coeff. di smorzamento viscoso = 5.0

Valori risultanti per :

ag 0.927 [g/10]

Fo 2.629

TC* 0.280

Fattore di comportamento q = 1.500

Rapporto spettro di esercizio / spettro di progetto = 0.678

CONDIZIONI DI RIFERIMENTO	COEFFICIENTE	PESO RISULTANTE [daN]
1.	1.000	308662.3
2.	1.000	269485.0
3.	1.000	53053.0
4.	1.000	172940.0
5.	1.000	31031.0
6.	1.000	139388.6
7.	0.600	111510.9
9.	1.000	4492.8
10.	0.600	3594.2

*** TABELLA AUTOVETTORI ***

n	PERIODO [sec]	MASSA ATTIVATA %X %Y %Z	COEFFICIENTI DI CORRELAZIONE n+1 n+2 n+3 n+4 n+5 n+6 n+7												
1	1.499812	0.113 32.887 0.000	0.117 0.044 0.017 0.013 0.008 0.005 0.005	0.005	0.002	0.001									
2	1.142145	0.779 24.944 0.000	0.228 0.046 0.031 0.016 0.010 0.009 0.004	0.002	0.000										
3	0.951116	0.333 2.362 0.000	0.126 0.070 0.030 0.016 0.014 0.006 0.002	0.001	0.000										
4	0.732321	0.524 4.151 0.000	0.505 0.104 0.039 0.034 0.011 0.004 0.001	0.001	0.001	0.001									
5	0.663457	2.177 6.567 0.000	0.212 0.061 0.051 0.014 0.005 0.001 0.001	0.001	0.001	0.001									
7	0.547590	47.755 0.000 0.000	0.209 0.157 0.026 0.007 0.001 0.001 0.001	0.001											
8	0.451233	2.622 0.464 0.000	0.881 0.057 0.011 0.002 0.001 0.001												
9	0.434981	2.677 1.921 0.000	0.068 0.012 0.002 0.002 0.001												
14	0.302347	0.074 6.411 0.000	0.041 0.004 0.003 0.003												
25	0.188642	4.194 0.001 0.000	0.013 0.008 0.007												
64	0.082410	4.604 0.014 0.000	0.242 0.130												
72	0.069078	0.002 2.773 0.000	0.605												
76	0.063725	1.644 0.097 0.000													
MASSA TOTALE		67.499 82.593 0.000													

DESCRIZIONE CASI DI CARICO:

NOME	DESCRIZIONE	VERIFICA	TIPO	CONDIZ. INSERITE			CASI INSERITI	
				Num.	Coeff.	Segno	Num.	Coeff.
1	SLU	S.L.U.	somma	1	1.300	+		
				2	1.300	+		
				3	1.500	+		
				4	1.500	+		
				5	1.500	+		
				6	1.500	+		
				7	1.500	+		
				8	1.500	+		
				9	1.300	+		
				10	1.500	+		
2	SLU VENTOX	S.L.U.	somma	1	1.300	+		
				2	1.300	+		
				3	1.500	+		
				4	1.500	+		
				5	1.500	+		
				6	1.500	+		
				7	1.500	+		
				8	1.500	+		
				9	1.300	+		
				10	1.500	+		
3	SLU VENTOX	S.L.U.	somma	1	1.300	+		
				2	1.300	+		
				3	1.500	+		
				4	1.500	+		
				5	1.500	+		
				6	1.500	+		
				7	1.500	+		
				8	1.500	+		
				9	1.300	+		
				10	1.500	+		
4	SISMAX SLU	nessuna	somma	17	1.000	quadr.		
				19	1.000	quadr.		
				21	1.000	quadr.		
				23	1.000	quadr.		
				25	1.000	quadr.		
				27	1.000	quadr.		
				29	1.000	quadr.		
				33	2.000	±		
				31	1.000	quadr.		
				35	1.000	quadr.		
5	SISMAY SLU	nessuna	somma	18	1.000	quadr.		
				20	1.000	quadr.		
				22	1.000	quadr.		
				24	1.000	quadr.		
				26	1.000	quadr.		
				28	1.000	quadr.		
				30	1.000	quadr.		
				34	2.000	±		
				32	1.000	quadr.		
				36	1.000	quadr.		
6	SLU con SISMAX PRINC	S.L.U.	somma	1	1.000	+	4	0.100
				2	1.000	+	5	0.030
				3	1.000	+		
				4	1.000	+		
				5	1.000	+		
				6	1.000	+		
				7	0.600	+		
				9	1.000	+		
				10	0.600	+		
7	SLU con SISMAY PRINC	S.L.U.	somma	1	1.000	+	4	0.100
				2	1.000	+	5	0.030
				3	1.000	+		
				4	1.000	+		
				5	1.000	+		
				6	1.000	+		
				7	0.600	+		
				9	1.000	+		
				10	0.600	+		
8	SLD con SISMAX PRINC	S.L.Danno	somma	1	1.000	+	4	1.763

				2	1.000	+	5	0.529
				3	1.000	+		
				4	1.000	+		
				5	1.000	+		
				6	1.000	+		
				7	0.600	+		
				9	1.000	+		
				10	0.600	+		
9	SLD con SISMAY PRINC	S.L.Danno	somma	1	1.000	+	5	1.763
				2	1.000	+	4	0.529
				3	1.000	+		
				4	1.000	+		
				5	1.000	+		
				6	1.000	+		
				7	0.600	+		
				9	1.000	+		
				10	0.600	+		
10	SLU FON con SISMAY P	SLU_FON	somma	1	1.000	+	4	1.100
				2	1.000	+	5	0.330
				3	1.000	+		
				4	1.000	+		
				5	1.000	+		
				6	1.000	+		
				7	0.600	+		
				9	1.000	+		
				10	0.600	+		
11	SLU FON con SISMAY P	SLU_FON	somma	1	1.000	+	5	1.100
				2	1.000	+	4	0.330
				3	1.000	+		
				4	1.000	+		
				5	1.000	+		
				6	1.000	+		
				7	0.600	+		
				9	1.000	+		
				10	0.600	+		
12	SLU GER SISMAY PRINC	SLU_GER	somma				6	1.000
13	SLU GER SISMAY PRINC	SLU_GER	somma				7	1.000
14	SLUGeo	SLU_GEO	somma	1	1.000	+		
				2	1.000	+		
				3	1.300	+		
				4	1.300	+		
				5	1.300	+		
				6	1.300	+		
				7	1.300	+		
				8	1.300	+		
				9	1.000	+		
				10	1.300	+		
15	SLUGeo VENTOX	SLU_GEO	somma	1	1.000	+		
				2	1.000	+		
				3	1.300	+		
				4	1.300	+		
				5	1.300	+		
				6	1.300	+		
				7	1.300	+		
				8	1.300	+		
				9	1.000	+		
				10	1.300	+		
				35	1.300	±		
16	SLUGeo VENTOY	SLU_GEO	somma	1	1.000	+		
				2	1.000	+		
				3	1.300	+		
				4	1.300	+		
				5	1.300	+		
				6	1.300	+		
				7	1.300	+		
				8	1.300	+		
				9	1.000	+		
				10	1.300	+		
				36	1.300	±		
17	Rara	Rara	somma	1	1.000	+		
				2	1.000	+		
				3	1.000	+		
				4	1.000	+		
				5	1.000	+		
				6	1.000	+		
				7	1.000	+		
				8	1.000	+		
				9	1.000	+		
				10	1.000	+		
18	Rara VentoX	Rara	somma	1	1.000	+		
				2	1.000	+		
				3	1.000	+		
				4	1.000	+		

				5	1.000	+		
				6	1.000	+		
				7	1.000	+		
				8	1.000	+		
				9	1.000	+		
				10	1.000	+		
				35	1.000	±		
19	Rara VentoY	Rara	somma	1	1.000	+		
				2	1.000	+		
				3	1.000	+		
				4	1.000	+		
				5	1.000	+		
				6	1.000	+		
				7	1.000	+		
				8	1.000	+		
				9	1.000	+		
				10	1.000	+		
				36	1.000	±		
20	Frequente	Freq.	somma	1	1.000	+		
				2	1.000	+		
				3	1.000	+		
				4	1.000	+		
				5	1.000	+		
				6	1.000	+		
				7	0.700	+		
				8	0.200	+		
				9	1.000	+		
				10	0.700	+		
21	Frequente VentoX	Freq.	somma	1	1.000	+		
				2	1.000	+		
				3	1.000	+		
				4	1.000	+		
				5	1.000	+		
				6	1.000	+		
				7	0.700	+		
				8	0.200	+		
				9	1.000	+		
				10	0.700	+		
				35	0.200	±		
22	Frequente VentoY	Freq.	somma	1	1.000	+		
				2	1.000	+		
				3	1.000	+		
				4	1.000	+		
				5	1.000	+		
				6	1.000	+		
				7	0.700	+		
				8	0.200	+		
				9	1.000	+		
				10	0.700	+		
				36	0.200	±		
23	Quasi Perm	QuasiPerm.	somma	1	1.000	+		
				2	1.000	+		
				3	1.000	+		
				4	1.000	+		
				5	1.000	+		
				6	1.000	+		
				7	0.600	+		
				9	1.000	+		
				10	0.600	+		

SOLLECITAZIONI ASTE:

SOLLECITAZIONI ASTE

CASO DI CARICO : 1 SLU

COMBINAZIONE

N. 10 CONDIZIONI ANALISI STATICA

1	Peso_proprio	+	1.30
2	Pp_solai	+	1.30
3	Perm_tetto	+	1.50
4	Muri_perimetrali	+	1.50
5	Muri_interni	+	1.50
6	Sottofondi	+	1.50
7	Cl_Var_scuola	+	1.50
8	Neve	+	1.50
9	Pp_scala	+	1.30
10	Var_scala	+	1.50

1)	+1.30*c001	+1.30*c002	+1.50*c003	+1.50*c004	+1.50*c005
)	+1.50*c006	+1.50*c007	+1.50*c008	+1.30*c009	+1.50*c010

Unità di misura: Prog e frecce [cm];NORM,TTY,TZZ [daN]

MZZ,MY,TORS [daNcm]

Asta	1	nod	1	2		
PROGR.	NORM	TTY	TZZ	TORS	MY	MZZ
0.	-28661.4	-1925.5	2062.8	141.8	303456.1	366078.0
43.	-28492.2	-1925.5	2062.8	141.8	215786.5	284245.0
85.	-28323.0	-1925.5	2062.8	141.8	128116.8	202411.9
128.	-28153.8	-1925.5	2062.8	141.8	40447.2	120578.9
170.	-27984.6	-1925.5	2062.8	141.8	-47222.4	38745.9
213.	-27815.4	-1925.5	2062.8	141.8	-134892.0	-43087.2
255.	-27646.2	-1925.5	2062.8	141.8	-222561.6	-124920.2
298.	-27477.0	-1925.5	2062.8	141.8	-310231.2	-206753.2
340.	-27307.8	-1925.5	2062.8	141.8	-397900.8	-288586.2

Asta	2	nod	3	4		
PROGR.	NORM	TTY	TZZ	TORS	MY	MZZ
0.	-38016.9	-661.7	-31.9	-618.5	-27603.7	127073.5
43.	-37847.7	-661.7	-31.9	-618.5	-26249.7	98951.7
85.	-37678.5	-661.7	-31.9	-618.5	-24895.6	70830.0
128.	-37509.3	-661.7	-31.9	-618.5	-23541.6	42708.2
170.	-37340.1	-661.7	-31.9	-618.5	-22187.6	14586.4
213.	-37170.9	-661.7	-31.9	-618.5	-20833.6	-13535.4
255.	-37001.7	-661.7	-31.9	-618.5	-19479.6	-41657.1
298.	-36832.5	-661.7	-31.9	-618.5	-18125.5	-69778.9
340.	-36663.3	-661.7	-31.9	-618.5	-16771.5	-97900.7

Asta	3	nod	5	6		
PROGR.	NORM	TTY	TZZ	TORS	MY	MZZ
0.	-39915.7	-400.3	-14.5	1351.3	-13785.4	84888.7
43.	-39746.5	-400.3	-14.5	1351.3	-13169.4	67876.3
85.	-39577.3	-400.3	-14.5	1351.3	-12553.5	50863.9
128.	-39408.1	-400.3	-14.5	1351.3	-11937.5	33851.5
170.	-39238.9	-400.3	-14.5	1351.3	-11321.5	16839.1
213.	-39069.7	-400.3	-14.5	1351.3	-10705.6	-173.3
255.	-38900.5	-400.3	-14.5	1351.3	-10089.6	-17185.7
298.	-38731.3	-400.3	-14.5	1351.3	-9473.7	-34198.1
340.	-38562.1	-400.3	-14.5	1351.3	-8857.7	-51210.5

Asta	4	nod	7	8		
PROGR.	NORM	TTY	TZZ	TORS	MY	MZZ
0.	-36464.1	406.5	-2.4	2002.2	-4973.7	-60658.2
43.	-36294.9	406.5	-2.4	2002.2	-4872.2	-43382.6
85.	-36125.7	406.5	-2.4	2002.2	-4770.8	-26107.0
128.	-35956.5	406.5	-2.4	2002.2	-4669.3	-8831.4
170.	-35787.3	406.5	-2.4	2002.2	-4567.9	8444.2
213.	-35618.1	406.5	-2.4	2002.2	-4466.4	25719.8
255.	-35448.9	406.5	-2.4	2002.2	-4365.0	42995.4
298.	-35279.7	406.5	-2.4	2002.2	-4263.5	60271.0
340.	-35110.5	406.5	-2.4	2002.2	-4162.1	77546.6

Asta	5	nod	9	10		
PROGR.	NORM	TTY	TZZ	TORS	MY	MZZ
0.	-22186.4	1226.4	1650.1	3671.7	262713.0	-216874.5
43.	-22017.2	1226.4	1650.1	3671.7	192584.4	-164752.0
85.	-21848.0	1226.4	1650.1	3671.7	122455.7	-112629.5
128.	-21678.8	1226.4	1650.1	3671.7	52327.0	-60507.0
170.	-21509.6	1226.4	1650.1	3671.7	-17801.7	-8384.5
213.	-21340.4	1226.4	1650.1	3671.7	-87930.3	43738.0
255.	-21171.2	1226.4	1650.1	3671.7	-158059.0	95860.5
298.	-21002.0	1226.4	1650.1	3671.7	-228187.7	147983.0
340.	-20832.8	1226.4	1650.1	3671.7	-298316.4	200105.5

Asta	6	nod	11	12		
PROGR.	NORM	TTY	TZZ	TORS	MY	MZZ
0.	-35611.8	2111.4	-748.2	-2195.1	-109433.0	-361845.2
43.	-35442.6	2111.4	-748.2	-2195.1	-77633.3	-272110.7
85.	-35273.4	2111.4	-748.2	-2195.1	-45833.5	-182376.1
128.	-35104.2	2111.4	-748.2	-2195.1	-14033.7	-92641.6
170.	-34935.0	2111.4	-748.2	-2195.1	17766.1	-2907.0
213.	-34765.8	2111.4	-748.2	-2195.1	49565.9	86827.5
255.	-34596.6	2111.4	-748.2	-2195.1	81365.6	176562.1
298.	-34427.4	2111.4	-748.2	-2195.1	113165.4	266296.6
340.	-34258.2	2111.4	-748.2	-2195.1	144965.2	356031.2

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Asta	7	odi	13	14		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-33723.6	1039.1	-26.1	-832.6	5376.4	-150225.7
43.	-33554.4	1039.1	-26.1	-832.6	6485.0	-106065.7
85.	-33385.2	1039.1	-26.1	-832.6	7593.7	-61905.7
128.	-33216.0	1039.1	-26.1	-832.6	8702.4	-17745.6
170.	-33046.8	1039.1	-26.1	-832.6	9811.0	26414.4
213.	-32877.6	1039.1	-26.1	-832.6	10919.7	70574.4
255.	-32708.4	1039.1	-26.1	-832.6	12028.4	114734.4
298.	-32539.2	1039.1	-26.1	-832.6	13137.0	158894.5
340.	-32370.0	1039.1	-26.1	-832.6	14245.7	203054.5
Asta	8	odi	15	16		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-38782.6	701.3	6.6	2464.1	8578.1	-97147.2
43.	-38613.4	701.3	6.6	2464.1	8298.5	-67340.0
85.	-38444.2	701.3	6.6	2464.1	8018.9	-37532.7
128.	-38275.0	701.3	6.6	2464.1	7739.2	-7725.4
170.	-38105.8	701.3	6.6	2464.1	7459.6	22081.9
213.	-37936.6	701.3	6.6	2464.1	7180.0	51889.2
255.	-37767.4	701.3	6.6	2464.1	6900.4	81696.5
298.	-37598.2	701.3	6.6	2464.1	6620.8	111503.8
340.	-37429.0	701.3	6.6	2464.1	6341.1	141311.1
Asta	9	odi	17	18		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-38843.9	-233.4	15.2	5221.3	10623.0	61133.0
43.	-38674.7	-233.4	15.2	5221.3	9978.1	51212.5
85.	-38505.5	-233.4	15.2	5221.3	9333.2	41292.0
128.	-38336.3	-233.4	15.2	5221.3	8688.3	31371.5
170.	-38167.1	-233.4	15.2	5221.3	8043.4	21451.0
213.	-37997.9	-233.4	15.2	5221.3	7398.6	11530.5
255.	-37828.7	-233.4	15.2	5221.3	6753.7	1610.0
298.	-37659.5	-233.4	15.2	5221.3	6108.8	-8310.5
340.	-37490.3	-233.4	15.2	5221.3	5463.9	-18231.0
Asta	10	odi	19	20		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-33462.9	-376.0	34.9	7241.1	13943.7	89277.5
43.	-33293.7	-376.0	34.9	7241.1	12460.3	73297.9
85.	-33124.5	-376.0	34.9	7241.1	10976.9	57318.4
128.	-32955.3	-376.0	34.9	7241.1	9493.5	41338.9
170.	-32786.1	-376.0	34.9	7241.1	8010.1	25359.4
213.	-32616.9	-376.0	34.9	7241.1	6526.6	9379.9
255.	-32447.7	-376.0	34.9	7241.1	5043.2	-6599.6
298.	-32278.5	-376.0	34.9	7241.1	3559.8	-22579.2
340.	-32109.3	-376.0	34.9	7241.1	2076.4	-38558.7
Asta	11	odi	21	22		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-33468.4	-58.1	72.1	8578.9	17644.9	44330.4
43.	-33299.2	-58.1	72.1	8578.9	14580.2	41860.8
85.	-33130.0	-58.1	72.1	8578.9	11515.5	39391.3
128.	-32960.8	-58.1	72.1	8578.9	8450.7	36921.8
170.	-32791.6	-58.1	72.1	8578.9	5386.0	34452.2
213.	-32622.4	-58.1	72.1	8578.9	2321.3	31982.7
255.	-32453.2	-58.1	72.1	8578.9	-743.5	29513.2
298.	-32284.0	-58.1	72.1	8578.9	-3808.2	27043.6
340.	-32114.8	-58.1	72.1	8578.9	-6872.9	24574.1
Asta	12	odi	23	24		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-39754.0	-7.1	144.2	7569.1	22703.7	45883.1
43.	-39584.8	-7.1	144.2	7569.1	16574.3	45581.0
85.	-39415.6	-7.1	144.2	7569.1	10445.0	45278.9
128.	-39246.4	-7.1	144.2	7569.1	4315.7	44976.7
170.	-39077.2	-7.1	144.2	7569.1	-1813.6	44674.6
213.	-38908.0	-7.1	144.2	7569.1	-7942.9	44372.5
255.	-38738.8	-7.1	144.2	7569.1	-14072.2	44070.4
298.	-38569.6	-7.1	144.2	7569.1	-20201.5	43768.3
340.	-38400.4	-7.1	144.2	7569.1	-26330.8	43466.2
Asta	13	odi	25	26		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-43341.9	-683.3	85.3	-3574.1	-313.2	147288.8
43.	-43172.7	-683.3	85.3	-3574.1	-3937.4	118248.5
85.	-43003.5	-683.3	85.3	-3574.1	-7561.5	89208.3
128.	-42834.3	-683.3	85.3	-3574.1	-11185.6	60168.0
170.	-42665.1	-683.3	85.3	-3574.1	-14809.7	31127.7
213.	-42495.9	-683.3	85.3	-3574.1	-18433.8	2087.5
255.	-42326.7	-683.3	85.3	-3574.1	-22057.9	-26952.8
298.	-42157.5	-683.3	85.3	-3574.1	-25682.0	-55993.1
340.	-41988.3	-683.3	85.3	-3574.1	-29306.2	-85033.3
Asta	14	odi	27	28		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-29145.9	-483.5	-748.5	-6614.3	-85644.8	104641.7
43.	-28976.7	-483.5	-748.5	-6614.3	-53831.4	84091.2
85.	-28807.5	-483.5	-748.5	-6614.3	-22018.1	63540.6
128.	-28638.3	-483.5	-748.5	-6614.3	9795.3	42990.1
170.	-28469.1	-483.5	-748.5	-6614.3	41608.7	22439.5
213.	-28299.9	-483.5	-748.5	-6614.3	73422.1	1889.0
255.	-28130.7	-483.5	-748.5	-6614.3	105235.4	-18661.5

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298.	-27961.5	-483.5	-748.5	-6614.3	137048.8	-39212.1
340.	-27792.3	-483.5	-748.5	-6614.3	168862.2	-59762.6
Asta	15	nodì	29	30		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-29649.3	559.7	301.1	-11955.6	48390.5	-63992.5
43.	-29480.1	559.7	301.1	-11955.6	35594.9	-40206.6
85.	-29310.9	559.7	301.1	-11955.6	22799.4	-16420.6
128.	-29141.7	559.7	301.1	-11955.6	10003.9	7365.4
170.	-28972.5	559.7	301.1	-11955.6	-2791.6	31151.4
213.	-28803.3	559.7	301.1	-11955.6	-15587.1	54937.3
255.	-28634.1	559.7	301.1	-11955.6	-28382.7	78723.3
298.	-28464.9	559.7	301.1	-11955.6	-41178.2	102509.3
340.	-28295.7	559.7	301.1	-11955.6	-53973.7	126295.3
Asta	16	nodì	31	32		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-31826.9	-1401.2	165.3	12985.6	2861.7	235760.1
43.	-31657.7	-1401.2	165.3	12985.6	-4163.1	176210.1
85.	-31488.5	-1401.2	165.3	12985.6	-11188.0	116660.1
128.	-31319.3	-1401.2	165.3	12985.6	-18212.8	57110.1
170.	-31150.1	-1401.2	165.3	12985.6	-25237.7	-2439.9
213.	-30980.9	-1401.2	165.3	12985.6	-32262.5	-61989.9
255.	-30811.7	-1401.2	165.3	12985.6	-39287.4	-121539.9
298.	-30642.5	-1401.2	165.3	12985.6	-46312.2	-181089.9
340.	-30473.3	-1401.2	165.3	12985.6	-53337.1	-240639.9
Asta	17	nodì	104	110		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-25303.8	2388.1	365.6	7250.9	64751.6	-393839.4
43.	-25134.6	2388.1	365.6	7250.9	49215.0	-292343.3
85.	-24965.4	2388.1	365.6	7250.9	33678.3	-190847.2
128.	-24796.2	2388.1	365.6	7250.9	18141.7	-89351.2
170.	-24627.0	2388.1	365.6	7250.9	2605.1	12144.9
213.	-24457.8	2388.1	365.6	7250.9	-12931.5	113641.0
255.	-24288.6	2388.1	365.6	7250.9	-28468.2	215137.1
298.	-24119.4	2388.1	365.6	7250.9	-44004.8	316633.1
340.	-23950.2	2388.1	365.6	7250.9	-59541.4	418129.2
Asta	18	nodì	35	36		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-19997.4	995.4	-433.9	9685.9	-57734.8	-147965.3
43.	-19828.2	995.4	-433.9	9685.9	-39295.6	-105660.1
85.	-19659.0	995.4	-433.9	9685.9	-20856.3	-63354.9
128.	-19489.8	995.4	-433.9	9685.9	-2417.1	-21049.8
170.	-19320.6	995.4	-433.9	9685.9	16022.1	21255.4
213.	-19151.4	995.4	-433.9	9685.9	34461.4	63560.6
255.	-18982.2	995.4	-433.9	9685.9	52900.6	105865.8
298.	-18813.0	995.4	-433.9	9685.9	71339.9	148171.0
340.	-18643.8	995.4	-433.9	9685.9	89779.1	190476.2
Asta	19	nodì	37	38		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-34236.1	-100.9	-32.6	18633.3	-5826.4	33520.4
43.	-34066.9	-100.9	-32.6	18633.3	-4440.9	29233.4
85.	-33897.7	-100.9	-32.6	18633.3	-3055.3	24946.4
128.	-33728.5	-100.9	-32.6	18633.3	-1669.7	20659.5
170.	-33559.3	-100.9	-32.6	18633.3	-284.1	16372.5
213.	-33390.1	-100.9	-32.6	18633.3	1101.4	12085.5
255.	-33220.9	-100.9	-32.6	18633.3	2487.0	7798.5
298.	-33051.7	-100.9	-32.6	18633.3	3872.6	3511.5
340.	-32882.5	-100.9	-32.6	18633.3	5258.2	-775.5
Asta	20	nodì	39	40		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-23359.8	-1791.3	-880.9	8222.4	-161518.6	317107.7
43.	-23190.6	-1791.3	-880.9	8222.4	-124081.4	240975.9
85.	-23021.4	-1791.3	-880.9	8222.4	-86644.2	164844.1
128.	-22852.1	-1791.3	-880.9	8222.4	-49207.0	88712.4
170.	-22682.9	-1791.3	-880.9	8222.4	-11769.8	12580.6
213.	-22513.7	-1791.3	-880.9	8222.4	25667.3	-63551.2
255.	-22344.5	-1791.3	-880.9	8222.4	63104.5	-139683.0
298.	-22175.3	-1791.3	-880.9	8222.4	100541.7	-215814.7
340.	-22006.1	-1791.3	-880.9	8222.4	137978.9	-291946.5
Asta	21	nodì	41	42		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-22348.4	1628.4	-681.2	-10037.6	-107017.3	-262695.0
43.	-22179.2	1628.4	-681.2	-10037.6	-78067.2	-193486.9
85.	-22010.0	1628.4	-681.2	-10037.6	-49117.0	-124278.8
128.	-21840.7	1628.4	-681.2	-10037.6	-20166.8	-55070.6
170.	-21671.5	1628.4	-681.2	-10037.6	8783.4	14137.5
213.	-21502.3	1628.4	-681.2	-10037.6	37733.5	83345.6
255.	-21333.1	1628.4	-681.2	-10037.6	66683.7	152553.7
298.	-21163.9	1628.4	-681.2	-10037.6	95633.9	221761.9
340.	-20994.7	1628.4	-681.2	-10037.6	124584.0	290970.0
Asta	22	nodì	43	44		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-32832.3	-354.1	114.6	-9759.7	58347.1	65344.5
43.	-32663.1	-354.1	114.6	-9759.7	53478.6	50296.5
85.	-32493.9	-354.1	114.6	-9759.7	48610.1	35248.6
128.	-32324.7	-354.1	114.6	-9759.7	43741.6	20200.6
170.	-32155.5	-354.1	114.6	-9759.7	38873.1	5152.7

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213.	-31986.3	-354.1	114.6	-9759.7	34004.6	-9895.3
255.	-31817.1	-354.1	114.6	-9759.7	29136.1	-24943.2
298.	-31647.9	-354.1	114.6	-9759.7	24267.6	-39991.2
340.	-31478.7	-354.1	114.6	-9759.7	19399.1	-55039.1
Asta	23	odi	45	46		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-21317.5	-823.4	-460.8	-3923.1	16061.1	174058.9
43.	-21148.3	-823.4	-460.8	-3923.1	35646.9	139066.0
85.	-20979.1	-823.4	-460.8	-3923.1	55232.6	104073.0
128.	-20809.9	-823.4	-460.8	-3923.1	74818.4	69080.1
170.	-20640.7	-823.4	-460.8	-3923.1	94404.1	34087.2
213.	-20471.5	-823.4	-460.8	-3923.1	113989.9	-905.7
255.	-20302.3	-823.4	-460.8	-3923.1	133575.6	-35898.6
298.	-20133.1	-823.4	-460.8	-3923.1	153161.4	-70891.5
340.	-19963.9	-823.4	-460.8	-3923.1	172747.1	-105884.5
Asta	24	odi	47	150		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-40139.1	-525.4	-885.5	16661.1	48710.1	337601.3
21.	-40054.5	-525.4	-885.5	16661.1	67528.0	326437.3
43.	-39969.9	-525.4	-885.5	16661.1	86346.0	315273.3
64.	-39885.2	-525.4	-885.5	16661.1	105163.9	304109.3
85.	-39800.6	-525.4	-885.5	16661.1	123981.8	292945.4
106.	-39716.0	-525.4	-885.5	16661.1	142799.7	281781.4
128.	-39631.4	-525.4	-885.5	16661.1	161617.7	270617.4
149.	-39546.8	-525.4	-885.5	16661.1	180435.6	259453.4
170.	-39462.2	-525.4	-885.5	16661.1	199253.5	248289.4
Asta	25	odi	49	50		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-26407.3	-219.1	-69.9	5732.9	-32986.2	56172.3
43.	-26238.1	-219.1	-69.9	5732.9	-30015.7	46860.4
85.	-26068.9	-219.1	-69.9	5732.9	-27045.2	37548.5
128.	-25899.7	-219.1	-69.9	5732.9	-24074.8	28236.7
170.	-25730.5	-219.1	-69.9	5732.9	-21104.3	18924.8
213.	-25561.3	-219.1	-69.9	5732.9	-18133.8	9612.9
255.	-25392.1	-219.1	-69.9	5732.9	-15163.3	301.1
298.	-25222.9	-219.1	-69.9	5732.9	-12192.8	-9010.8
340.	-25053.7	-219.1	-69.9	5732.9	-9222.4	-18322.7
Asta	26	odi	51	52		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-26289.4	-101.4	-43.7	-4269.0	-20128.3	35189.6
43.	-26120.2	-101.4	-43.7	-4269.0	-18269.2	30881.4
85.	-25951.0	-101.4	-43.7	-4269.0	-16410.1	26573.2
128.	-25781.8	-101.4	-43.7	-4269.0	-14550.9	22265.0
170.	-25612.6	-101.4	-43.7	-4269.0	-12691.8	17956.9
213.	-25443.4	-101.4	-43.7	-4269.0	-10832.7	13648.7
255.	-25274.2	-101.4	-43.7	-4269.0	-8973.6	9340.5
298.	-25105.0	-101.4	-43.7	-4269.0	-7114.4	5032.3
340.	-24935.8	-101.4	-43.7	-4269.0	-5255.3	724.1
Asta	27	odi	53	54		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-32382.7	-123.6	65.3	17002.7	12457.0	60155.7
43.	-32213.5	-123.6	65.3	17002.7	9683.0	54904.4
85.	-32044.3	-123.6	65.3	17002.7	6909.0	49653.1
128.	-31875.1	-123.6	65.3	17002.7	4135.1	44401.8
170.	-31705.9	-123.6	65.3	17002.7	1361.1	39150.5
213.	-31536.7	-123.6	65.3	17002.7	-1412.9	33899.2
255.	-31367.5	-123.6	65.3	17002.7	-4186.9	28647.9
298.	-31198.3	-123.6	65.3	17002.7	-6960.9	23396.6
340.	-31029.1	-123.6	65.3	17002.7	-9734.9	18145.3
Asta	28	odi	55	152		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-61049.5	-1962.4	1.6	18161.1	-9235.4	671657.4
21.	-60964.9	-1962.4	1.6	18161.1	-9269.6	629956.2
43.	-60880.3	-1962.4	1.6	18161.1	-9303.8	588254.9
64.	-60795.7	-1962.4	1.6	18161.1	-9338.0	546553.7
85.	-60711.1	-1962.4	1.6	18161.1	-9372.2	504852.5
106.	-60626.5	-1962.4	1.6	18161.1	-9406.5	463151.3
128.	-60541.9	-1962.4	1.6	18161.1	-9440.7	421450.0
149.	-60457.3	-1962.4	1.6	18161.1	-9474.9	379748.8
170.	-60372.7	-1962.4	1.6	18161.1	-9509.1	338047.6
Asta	29	odi	57	58		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-33817.6	-380.3	0.9	2212.5	-2608.1	65048.0
43.	-33648.4	-380.3	0.9	2212.5	-2646.0	48886.2
85.	-33479.2	-380.3	0.9	2212.5	-2683.9	32724.3
128.	-33310.0	-380.3	0.9	2212.5	-2721.8	16562.5
170.	-33140.8	-380.3	0.9	2212.5	-2759.6	400.7
213.	-32971.5	-380.3	0.9	2212.5	-2797.5	-15761.1
255.	-32802.3	-380.3	0.9	2212.5	-2835.4	-31923.0
298.	-32633.1	-380.3	0.9	2212.5	-2873.3	-48084.8
340.	-32463.9	-380.3	0.9	2212.5	-2911.1	-64246.6
Asta	30	odi	59	60		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-33104.2	468.4	-0.6	2771.9	-3590.6	-83392.2
43.	-32935.0	468.4	-0.6	2771.9	-3566.9	-63484.7
85.	-32765.8	468.4	-0.6	2771.9	-3543.2	-43577.2

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128.	-32596.6	468.4	-0.6	2771.9	-3519.6	-23669.8
170.	-32427.4	468.4	-0.6	2771.9	-3495.9	-3762.3
213.	-32258.2	468.4	-0.6	2771.9	-3472.2	16145.2
255.	-32089.0	468.4	-0.6	2771.9	-3448.6	36052.6
298.	-31919.8	468.4	-0.6	2771.9	-3424.9	55960.1
340.	-31750.6	468.4	-0.6	2771.9	-3401.2	75867.6
Asta	31	61	62			
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-26936.0	524.8	-21.0	4367.9	-9988.1	-94231.2
43.	-26766.7	524.8	-21.0	4367.9	-9095.0	-71925.9
85.	-26597.5	524.8	-21.0	4367.9	-8201.9	-49620.6
128.	-26428.3	524.8	-21.0	4367.9	-7308.8	-27315.3
170.	-26259.1	524.8	-21.0	4367.9	-6415.7	-5010.0
213.	-26089.9	524.8	-21.0	4367.9	-5522.6	17295.3
255.	-25920.7	524.8	-21.0	4367.9	-4629.5	39600.6
298.	-25751.5	524.8	-21.0	4367.9	-3736.4	61905.9
340.	-25582.3	524.8	-21.0	4367.9	-2843.3	84211.2
Asta	32	63	64			
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-26666.4	562.2	-3.7	4710.4	-10095.3	-103332.9
43.	-26497.2	562.2	-3.7	4710.4	-9938.5	-79438.1
85.	-26328.0	562.2	-3.7	4710.4	-9781.7	-55543.3
128.	-26158.8	562.2	-3.7	4710.4	-9625.0	-31648.5
170.	-25989.6	562.2	-3.7	4710.4	-9468.2	-7753.7
213.	-25820.4	562.2	-3.7	4710.4	-9311.4	16141.2
255.	-25651.2	562.2	-3.7	4710.4	-9154.7	40036.0
298.	-25482.0	562.2	-3.7	4710.4	-8997.9	63930.8
340.	-25312.8	562.2	-3.7	4710.4	-8841.1	87825.6
Asta	33	2	65			
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-10498.6	-2103.2	2004.7	12580.6	409258.9	290095.2
43.	-10329.4	-2103.2	2004.7	12580.6	324058.4	200709.5
85.	-10160.2	-2103.2	2004.7	12580.6	238857.9	111323.9
128.	-9991.0	-2103.2	2004.7	12580.6	153657.5	21938.2
170.	-9821.8	-2103.2	2004.7	12580.6	68457.0	-67447.4
213.	-9652.6	-2103.2	2004.7	12580.6	-16743.5	-156833.1
255.	-9483.4	-2103.2	2004.7	12580.6	-101943.9	-246218.7
298.	-9314.2	-2103.2	2004.7	12580.6	-187144.4	-335604.4
340.	-9145.0	-2103.2	2004.7	12580.6	-272344.9	-424990.1
Asta	34	4	66			
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-16725.2	-321.3	32.5	3407.3	7599.1	47116.9
43.	-16556.0	-321.3	32.5	3407.3	6218.9	33463.0
85.	-16386.8	-321.3	32.5	3407.3	4838.7	19809.0
128.	-16217.6	-321.3	32.5	3407.3	3458.5	6155.0
170.	-16048.4	-321.3	32.5	3407.3	2078.3	-7498.9
213.	-15879.2	-321.3	32.5	3407.3	698.1	-21152.9
255.	-15710.0	-321.3	32.5	3407.3	-682.1	-34806.9
298.	-15540.8	-321.3	32.5	3407.3	-2062.3	-48460.8
340.	-15371.6	-321.3	32.5	3407.3	-3442.5	-62114.8
Asta	35	6	67			
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-18486.1	-637.5	-23.7	-1154.6	-7346.1	70630.3
43.	-18316.9	-637.5	-23.7	-1154.6	-6338.3	43537.3
85.	-18147.7	-637.5	-23.7	-1154.6	-5330.4	16444.2
128.	-17978.5	-637.5	-23.7	-1154.6	-4322.6	-10648.8
170.	-17809.3	-637.5	-23.7	-1154.6	-3314.7	-37741.8
213.	-17640.1	-637.5	-23.7	-1154.6	-2306.9	-64834.8
255.	-17470.9	-637.5	-23.7	-1154.6	-1299.1	-91927.8
298.	-17301.7	-637.5	-23.7	-1154.6	-291.2	-119020.8
340.	-17132.5	-637.5	-23.7	-1154.6	716.6	-146113.9
Asta	36	8	68			
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-17672.0	884.3	-7.1	332.9	-3357.2	-131071.8
43.	-17502.8	884.3	-7.1	332.9	-3054.2	-93489.5
85.	-17333.6	884.3	-7.1	332.9	-2751.1	-55907.2
128.	-17164.4	884.3	-7.1	332.9	-2448.1	-18325.0
170.	-16995.1	884.3	-7.1	332.9	-2145.0	19257.3
213.	-16825.9	884.3	-7.1	332.9	-1842.0	56839.5
255.	-16656.7	884.3	-7.1	332.9	-1538.9	94421.8
298.	-16487.5	884.3	-7.1	332.9	-1235.9	132004.1
340.	-16318.3	884.3	-7.1	332.9	-932.8	169586.3
Asta	37	10	69			
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-7826.7	1302.8	1046.7	5791.6	233017.6	-189682.2
43.	-7657.5	1302.8	1046.7	5791.6	188534.6	-134312.6
85.	-7488.3	1302.8	1046.7	5791.6	144051.6	-78943.0
128.	-7319.1	1302.8	1046.7	5791.6	99568.6	-23573.3
170.	-7149.9	1302.8	1046.7	5791.6	55085.5	31796.3
213.	-6980.7	1302.8	1046.7	5791.6	10602.5	87165.9
255.	-6811.5	1302.8	1046.7	5791.6	-33880.5	142535.6
298.	-6642.3	1302.8	1046.7	5791.6	-78363.5	197905.2
340.	-6473.1	1302.8	1046.7	5791.6	-122846.5	253274.8
Asta	38	12	70			
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-15659.0	1590.5	-358.1	-1164.3	-101868.1	-238884.3

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43.	-15489.8	1590.5	-358.1	-1164.3	-86649.4	-171289.7
85.	-15320.6	1590.5	-358.1	-1164.3	-71430.8	-103695.2
128.	-15151.4	1590.5	-358.1	-1164.3	-56212.2	-36100.6
170.	-14982.2	1590.5	-358.1	-1164.3	-40993.5	31494.0
213.	-14813.0	1590.5	-358.1	-1164.3	-25774.9	99088.5
255.	-14643.8	1590.5	-358.1	-1164.3	-10556.3	166683.1
298.	-14474.6	1590.5	-358.1	-1164.3	4662.4	234277.6
340.	-14305.4	1590.5	-358.1	-1164.3	19881.0	301872.2

Asta	39	nod	14	71		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-17750.3	662.7	-21.7	1394.0	-9036.9	-101618.0
43.	-17581.1	662.7	-21.7	1394.0	-8114.0	-73452.8
85.	-17411.9	662.7	-21.7	1394.0	-7191.2	-45287.6
128.	-17242.7	662.7	-21.7	1394.0	-6268.3	-17122.5
170.	-17073.5	662.7	-21.7	1394.0	-5345.5	11042.7
213.	-16904.3	662.7	-21.7	1394.0	-4422.7	39207.8
255.	-16735.1	662.7	-21.7	1394.0	-3499.8	67373.0
298.	-16565.9	662.7	-21.7	1394.0	-2577.0	95538.1
340.	-16396.7	662.7	-21.7	1394.0	-1654.2	123703.3

Asta	40	nod	16	72		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-20771.3	508.6	6.8	3066.3	1360.2	-60943.3
43.	-20602.1	508.6	6.8	3066.3	1071.0	-39328.9
85.	-20432.9	508.6	6.8	3066.3	781.8	-17714.5
128.	-20263.7	508.6	6.8	3066.3	492.7	3899.9
170.	-20094.5	508.6	6.8	3066.3	203.5	25514.3
213.	-19925.3	508.6	6.8	3066.3	-85.7	47128.7
255.	-19756.0	508.6	6.8	3066.3	-374.9	68743.1
298.	-19586.8	508.6	6.8	3066.3	-664.0	90357.5
340.	-19417.6	508.6	6.8	3066.3	-953.2	111971.9

Asta	41	nod	18	73		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-19115.8	-933.0	26.0	4977.9	3673.3	152888.5
43.	-18946.6	-933.0	26.0	4977.9	2566.7	113235.4
85.	-18777.4	-933.0	26.0	4977.9	1460.1	73582.3
128.	-18608.2	-933.0	26.0	4977.9	353.5	33929.2
170.	-18439.0	-933.0	26.0	4977.9	-753.1	-5723.9
213.	-18269.8	-933.0	26.0	4977.9	-1859.7	-45377.0
255.	-18100.6	-933.0	26.0	4977.9	-2966.3	-85030.1
298.	-17931.4	-933.0	26.0	4977.9	-4072.9	-124683.1
340.	-17762.2	-933.0	26.0	4977.9	-5179.5	-164336.2

Asta	42	nod	20	74		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-12451.4	-988.8	12.8	5480.6	1660.6	161202.2
43.	-12282.2	-988.8	12.8	5480.6	1118.1	119177.8
85.	-12113.0	-988.8	12.8	5480.6	575.6	77153.5
128.	-11943.8	-988.8	12.8	5480.6	33.2	35129.1
170.	-11774.6	-988.8	12.8	5480.6	-509.3	-6895.3
213.	-11605.4	-988.8	12.8	5480.6	-1051.8	-48919.6
255.	-11436.2	-988.8	12.8	5480.6	-1594.2	-90944.0
298.	-11267.0	-988.8	12.8	5480.6	-2136.7	-132968.4
340.	-11097.8	-988.8	12.8	5480.6	-2679.2	-174992.8

Asta	43	nod	22	75		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-12399.7	-295.2	-2.5	2689.8	-4855.9	54141.5
43.	-12230.5	-295.2	-2.5	2689.8	-4749.0	41594.6
85.	-12061.3	-295.2	-2.5	2689.8	-4642.1	29047.7
128.	-11892.1	-295.2	-2.5	2689.8	-4535.2	16500.8
170.	-11722.9	-295.2	-2.5	2689.8	-4428.3	3953.8
213.	-11553.7	-295.2	-2.5	2689.8	-4321.4	-8593.1
255.	-11384.5	-295.2	-2.5	2689.8	-4214.5	-21140.0
298.	-11215.3	-295.2	-2.5	2689.8	-4107.6	-33687.0
340.	-11046.1	-295.2	-2.5	2689.8	-4000.7	-46233.9

Asta	44	nod	24	76		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-19360.4	161.4	-66.6	-1898.4	-22307.5	-13310.3
43.	-19191.2	161.4	-66.6	-1898.4	-19477.0	-6450.5
85.	-19022.0	161.4	-66.6	-1898.4	-16646.5	409.2
128.	-18852.8	161.4	-66.6	-1898.4	-13816.0	7268.9
170.	-18683.6	161.4	-66.6	-1898.4	-10985.5	14128.6
213.	-18514.4	161.4	-66.6	-1898.4	-8155.0	20988.3
255.	-18345.2	161.4	-66.6	-1898.4	-5324.4	27848.0
298.	-18176.0	161.4	-66.6	-1898.4	-2493.9	34707.7
340.	-18006.8	161.4	-66.6	-1898.4	336.6	41567.4

Asta	45	nod	26	77		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-22052.6	-740.6	-94.3	3000.0	-29117.7	134912.7
43.	-21883.4	-740.6	-94.3	3000.0	-25109.4	103435.2
85.	-21714.2	-740.6	-94.3	3000.0	-21101.1	71957.7
128.	-21544.9	-740.6	-94.3	3000.0	-17092.9	40480.2
170.	-21375.7	-740.6	-94.3	3000.0	-13084.6	9002.7
213.	-21206.5	-740.6	-94.3	3000.0	-9076.3	-22474.8
255.	-21037.3	-740.6	-94.3	3000.0	-5068.1	-53952.2
298.	-20868.1	-740.6	-94.3	3000.0	-1059.8	-85429.7
340.	-20698.9	-740.6	-94.3	3000.0	2948.5	-116907.2

Asta	46	nod	28	78		

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PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-9329.8	-598.5	-217.8	-9546.5	-64927.7	109576.0
43.	-9160.6	-598.5	-217.8	-9546.5	-55670.7	84140.8
85.	-8991.4	-598.5	-217.8	-9546.5	-46413.7	58705.7
128.	-8822.2	-598.5	-217.8	-9546.5	-37156.7	33270.6
170.	-8653.0	-598.5	-217.8	-9546.5	-27899.6	7835.4
213.	-8483.8	-598.5	-217.8	-9546.5	-18642.6	-17599.7
255.	-8314.6	-598.5	-217.8	-9546.5	-9385.6	-43034.8
298.	-8145.4	-598.5	-217.8	-9546.5	-128.6	-68470.0
340.	-7976.2	-598.5	-217.8	-9546.5	9128.5	-93905.1

Asta	47	nod	30	79		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-11968.2	150.0	326.7	-1455.3	76845.7	-40971.1
43.	-11799.0	150.0	326.7	-1455.3	62961.2	-34595.4
85.	-11629.8	150.0	326.7	-1455.3	49076.7	-28219.7
128.	-11460.6	150.0	326.7	-1455.3	35192.3	-21843.9
170.	-11291.4	150.0	326.7	-1455.3	21307.8	-15468.2
213.	-11122.2	150.0	326.7	-1455.3	7423.3	-9092.5
255.	-10953.0	150.0	326.7	-1455.3	-6461.2	-2716.7
298.	-10783.8	150.0	326.7	-1455.3	-20345.7	3659.0
340.	-10614.6	150.0	326.7	-1455.3	-34230.2	10034.7

Asta	48	nod	32	80		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-12639.9	-1701.8	70.7	7862.9	38547.8	306418.5
43.	-12470.7	-1701.8	70.7	7862.9	35543.4	234092.6
85.	-12301.5	-1701.8	70.7	7862.9	32539.1	161766.7
128.	-12132.3	-1701.8	70.7	7862.9	29534.8	89440.8
170.	-11963.1	-1701.8	70.7	7862.9	26530.5	17114.8
213.	-11793.9	-1701.8	70.7	7862.9	23526.2	-55211.1
255.	-11624.7	-1701.8	70.7	7862.9	20521.9	-127537.0
298.	-11455.5	-1701.8	70.7	7862.9	17517.6	-199862.9
340.	-11286.3	-1701.8	70.7	7862.9	14513.3	-272188.9

Asta	49	nod	110	109		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-7932.2	2334.0	237.4	2661.1	45915.1	-371644.5
43.	-7763.0	2334.0	237.4	2661.1	35825.5	-272450.0
85.	-7593.8	2334.0	237.4	2661.1	25736.0	-173255.6
128.	-7424.6	2334.0	237.4	2661.1	15646.4	-74061.1
170.	-7255.4	2334.0	237.4	2661.1	5556.9	25133.3
213.	-7086.2	2334.0	237.4	2661.1	-4532.7	124327.8
255.	-6917.0	2334.0	237.4	2661.1	-14622.2	223522.2
298.	-6747.8	2334.0	237.4	2661.1	-24711.8	322716.7
340.	-6578.6	2334.0	237.4	2661.1	-34801.3	421911.1

Asta	50	nod	36	82		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-8137.4	1814.2	-336.3	3823.8	-76969.9	-270685.8
43.	-7968.2	1814.2	-336.3	3823.8	-62676.8	-193583.0
85.	-7799.0	1814.2	-336.3	3823.8	-48383.6	-116480.2
128.	-7629.8	1814.2	-336.3	3823.8	-34090.5	-39377.4
170.	-7460.6	1814.2	-336.3	3823.8	-19797.4	37725.4
213.	-7291.4	1814.2	-336.3	3823.8	-5504.3	114828.2
255.	-7122.2	1814.2	-336.3	3823.8	8788.8	191931.0
298.	-6953.0	1814.2	-336.3	3823.8	23082.0	269033.8
340.	-6783.8	1814.2	-336.3	3823.8	37375.1	346136.5

Asta	51	nod	38	83		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-16238.9	46.7	-25.6	17698.8	-5933.0	-9239.5
43.	-16069.7	46.7	-25.6	17698.8	-4845.0	-7254.4
85.	-15900.5	46.7	-25.6	17698.8	-3757.1	-5269.2
128.	-15731.3	46.7	-25.6	17698.8	-2669.2	-3284.1
170.	-15562.1	46.7	-25.6	17698.8	-1581.2	-1298.9
213.	-15392.9	46.7	-25.6	17698.8	-493.3	686.2
255.	-15223.7	46.7	-25.6	17698.8	594.6	2671.3
298.	-15054.5	46.7	-25.6	17698.8	1682.6	4656.5
340.	-14885.3	46.7	-25.6	17698.8	2770.5	6641.6

Asta	52	nod	40	84		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-9653.8	-2587.6	-591.8	788.4	-110887.8	381366.4
43.	-9484.6	-2587.6	-591.8	788.4	-85734.8	271393.6
85.	-9315.4	-2587.6	-591.8	788.4	-60581.7	161420.8
128.	-9146.2	-2587.6	-591.8	788.4	-35428.7	51448.1
170.	-8977.0	-2587.6	-591.8	788.4	-10275.6	-58524.7
213.	-8807.8	-2587.6	-591.8	788.4	14877.4	-168497.5
255.	-8638.6	-2587.6	-591.8	788.4	40030.5	-278470.3
298.	-8469.4	-2587.6	-591.8	788.4	65183.5	-388443.1
340.	-8300.2	-2587.6	-591.8	788.4	90336.6	-498415.9

Asta	53	nod	42	85		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-9184.2	2330.6	-288.9	-11709.3	-62054.9	-336386.8
43.	-9015.0	2330.6	-288.9	-11709.3	-49775.4	-237337.4
85.	-8845.8	2330.6	-288.9	-11709.3	-37496.0	-138288.0
128.	-8676.6	2330.6	-288.9	-11709.3	-25216.5	-39238.7
170.	-8507.4	2330.6	-288.9	-11709.3	-12937.0	59810.7
213.	-8338.2	2330.6	-288.9	-11709.3	-657.5	158860.1
255.	-8169.0	2330.6	-288.9	-11709.3	11621.9	257909.4
298.	-7999.8	2330.6	-288.9	-11709.3	23901.4	356958.8
340.	-7830.6	2330.6	-288.9	-11709.3	36180.9	456008.2

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Asta	54	nod	44	86		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-15615.4	-838.7	-5.6	-8499.9	-2174.7	134789.5
43.	-15446.2	-838.7	-5.6	-8499.9	-1937.2	99146.5
85.	-15277.0	-838.7	-5.6	-8499.9	-1699.7	63503.4
128.	-15107.8	-838.7	-5.6	-8499.9	-1462.1	27860.4
170.	-14938.6	-838.7	-5.6	-8499.9	-1224.6	-7782.6
213.	-14769.4	-838.7	-5.6	-8499.9	-987.1	-43425.7
255.	-14600.2	-838.7	-5.6	-8499.9	-749.5	-79068.7
298.	-14431.0	-838.7	-5.6	-8499.9	-512.0	-114711.7
340.	-14261.8	-838.7	-5.6	-8499.9	-274.4	-150354.8

Asta	55	nod	46	87		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-8324.5	-1416.4	-1064.2	-12455.5	-235312.9	192708.5
43.	-8155.3	-1416.4	-1064.2	-12455.5	-190085.0	132512.5
85.	-7986.1	-1416.4	-1064.2	-12455.5	-144857.1	72316.4
128.	-7816.9	-1416.4	-1064.2	-12455.5	-99629.2	12120.3
170.	-7647.7	-1416.4	-1064.2	-12455.5	-54401.3	-48075.7
213.	-7478.5	-1416.4	-1064.2	-12455.5	-9173.4	-108271.8
255.	-7309.3	-1416.4	-1064.2	-12455.5	36054.4	-168467.8
298.	-7140.1	-1416.4	-1064.2	-12455.5	81282.3	-228663.9
340.	-6970.9	-1416.4	-1064.2	-12455.5	126510.2	-288860.0

Asta	56	nod	48	88		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-11487.2	826.7	-469.3	-16445.7	-75180.7	-246641.9
43.	-11317.9	826.7	-469.3	-16445.7	-55234.6	-211506.3
85.	-11148.7	826.7	-469.3	-16445.7	-35288.4	-176370.7
128.	-10979.5	826.7	-469.3	-16445.7	-15342.3	-141235.0
170.	-10810.3	826.7	-469.3	-16445.7	4603.8	-106099.4
213.	-10641.1	826.7	-469.3	-16445.7	24550.0	-70963.8
255.	-10471.9	826.7	-469.3	-16445.7	44496.1	-35828.2
298.	-10302.7	826.7	-469.3	-16445.7	64442.2	-692.5
340.	-10133.5	826.7	-469.3	-16445.7	84388.3	34443.1

Asta	57	nod	50	89		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-13763.7	-577.5	-13.9	4306.2	-1302.3	92295.4
43.	-13594.5	-577.5	-13.9	4306.2	-711.4	67752.6
85.	-13425.3	-577.5	-13.9	4306.2	-120.5	43209.8
128.	-13256.1	-577.5	-13.9	4306.2	470.4	18667.0
170.	-13086.9	-577.5	-13.9	4306.2	1061.3	-5875.8
213.	-12917.7	-577.5	-13.9	4306.2	1652.2	-30418.5
255.	-12748.5	-577.5	-13.9	4306.2	2243.1	-54961.3
298.	-12579.3	-577.5	-13.9	4306.2	2834.0	-79504.1
340.	-12410.1	-577.5	-13.9	4306.2	3424.9	-104046.9

Asta	58	nod	52	90		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-13684.7	-397.3	12.1	3164.9	3676.3	69988.4
43.	-13515.5	-397.3	12.1	3164.9	3160.3	53102.9
85.	-13346.3	-397.3	12.1	3164.9	2644.3	36217.4
128.	-13177.1	-397.3	12.1	3164.9	2128.3	19332.0
170.	-13007.9	-397.3	12.1	3164.9	1612.3	2446.5
213.	-12838.7	-397.3	12.1	3164.9	1096.3	-14439.0
255.	-12669.5	-397.3	12.1	3164.9	580.3	-31324.4
298.	-12500.3	-397.3	12.1	3164.9	64.3	-48209.9
340.	-12331.1	-397.3	12.1	3164.9	-451.7	-65095.4

Asta	59	nod	54	91		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-11714.5	-108.5	-7.8	17465.6	1257.9	17415.9
43.	-11545.3	-108.5	-7.8	17465.6	1588.8	12805.3
85.	-11376.1	-108.5	-7.8	17465.6	1919.7	8194.6
128.	-11206.9	-108.5	-7.8	17465.6	2250.6	3583.9
170.	-11037.7	-108.5	-7.8	17465.6	2581.6	-1026.7
213.	-10868.5	-108.5	-7.8	17465.6	2912.5	-5637.4
255.	-10699.3	-108.5	-7.8	17465.6	3243.4	-10248.1
298.	-10530.1	-108.5	-7.8	17465.6	3574.4	-14858.7
340.	-10360.9	-108.5	-7.8	17465.6	3905.3	-19469.4

Asta	60	nod	56	92		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-26522.5	961.8	-216.8	2513.9	-69243.8	-327940.1
43.	-26353.3	961.8	-216.8	2513.9	-60028.6	-287065.0
85.	-26184.1	961.8	-216.8	2513.9	-50813.4	-246189.9
128.	-26014.9	961.8	-216.8	2513.9	-41598.2	-205314.9
170.	-25845.7	961.8	-216.8	2513.9	-32382.9	-164439.8
213.	-25676.5	961.8	-216.8	2513.9	-23167.7	-123564.7
255.	-25507.3	961.8	-216.8	2513.9	-13952.5	-82689.7
298.	-25338.1	961.8	-216.8	2513.9	-4737.3	-41814.6
340.	-25168.9	961.8	-216.8	2513.9	4477.9	-939.6

Asta	61	nod	58	93		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-16361.1	-714.9	-3.8	1803.7	-2211.7	104647.6
43.	-16191.9	-714.9	-3.8	1803.7	-2049.6	74262.4
85.	-16022.7	-714.9	-3.8	1803.7	-1887.6	43877.1
128.	-15853.5	-714.9	-3.8	1803.7	-1725.5	13491.9
170.	-15684.3	-714.9	-3.8	1803.7	-1563.5	-16893.3
213.	-15515.1	-714.9	-3.8	1803.7	-1401.4	-47278.5
255.	-15345.9	-714.9	-3.8	1803.7	-1239.4	-77663.7

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298.	-15176.7	-714.9	-3.8	1803.7	-1077.3	-108049.0
340.	-15007.5	-714.9	-3.8	1803.7	-915.2	-138434.2
Asta	62	odi	60	94		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-15472.0	709.2	-6.8	3168.3	-2592.5	-93923.2
43.	-15302.8	709.2	-6.8	3168.3	-2301.7	-63783.4
85.	-15133.6	709.2	-6.8	3168.3	-2010.9	-33643.5
128.	-14964.4	709.2	-6.8	3168.3	-1720.1	-3503.7
170.	-14795.2	709.2	-6.8	3168.3	-1429.2	26636.1
213.	-14626.0	709.2	-6.8	3168.3	-1138.4	56775.9
255.	-14456.8	709.2	-6.8	3168.3	-847.6	86915.8
298.	-14287.6	709.2	-6.8	3168.3	-556.8	117055.6
340.	-14118.4	709.2	-6.8	3168.3	-266.0	147195.4
Asta	63	odi	62	95		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-11759.0	345.7	-6.2	3322.9	-1184.7	-51393.6
43.	-11589.8	345.7	-6.2	3322.9	-921.9	-36700.9
85.	-11420.6	345.7	-6.2	3322.9	-659.2	-22008.2
128.	-11251.4	345.7	-6.2	3322.9	-396.4	-7315.5
170.	-11082.2	345.7	-6.2	3322.9	-133.7	7377.3
213.	-10913.0	345.7	-6.2	3322.9	129.1	22070.0
255.	-10743.8	345.7	-6.2	3322.9	391.8	36762.7
298.	-10574.6	345.7	-6.2	3322.9	654.6	51455.4
340.	-10405.4	345.7	-6.2	3322.9	917.3	66148.1
Asta	64	odi	64	96		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-11832.7	331.7	52.6	1741.1	15084.6	-45799.1
43.	-11663.5	331.7	52.6	1741.1	12848.0	-31703.9
85.	-11494.3	331.7	52.6	1741.1	10611.4	-17608.7
128.	-11325.1	331.7	52.6	1741.1	8374.9	-3513.6
170.	-11155.9	331.7	52.6	1741.1	6138.3	10581.6
213.	-10986.7	331.7	52.6	1741.1	3901.7	24676.7
255.	-10817.5	331.7	52.6	1741.1	1665.2	38771.9
298.	-10648.3	331.7	52.6	1741.1	-571.4	52867.0
340.	-10479.1	331.7	52.6	1741.1	-2808.0	66962.2
Asta	65	odi	92	97		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3725.8	-1064.1	5.7	3371.6	139.7	156231.2
40.	-3566.6	-1064.1	5.7	3371.6	-89.0	113667.7
80.	-3407.3	-1064.1	5.7	3371.6	-317.7	71104.2
120.	-3248.1	-1064.1	5.7	3371.6	-546.4	28540.7
160.	-3088.8	-1064.1	5.7	3371.6	-775.1	-14022.8
200.	-2929.6	-1064.1	5.7	3371.6	-1003.8	-56586.3
240.	-2770.3	-1064.1	5.7	3371.6	-1232.5	-99149.9
280.	-2611.1	-1064.1	5.7	3371.6	-1461.2	-141713.4
320.	-2451.8	-1064.1	5.7	3371.6	-1689.8	-184276.9
Asta	66	odi	77	98		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-617.2	-34.6	-12.0	782.7	-1158.4	-26051.7
40.	-458.0	-34.6	-12.0	782.7	-679.9	-27437.4
80.	-298.7	-34.6	-12.0	782.7	-201.3	-28823.2
120.	-139.5	-34.6	-12.0	782.7	277.2	-30208.9
160.	19.8	-34.6	-12.0	782.7	755.8	-31594.6
200.	179.0	-34.6	-12.0	782.7	1234.3	-32980.3
240.	338.3	-34.6	-12.0	782.7	1712.9	-34366.0
280.	497.5	-34.6	-12.0	782.7	2191.4	-35751.7
320.	656.8	-34.6	-12.0	782.7	2670.0	-37137.4
Asta	67	odi	76	99		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2815.2	1098.7	6.2	-4151.7	1018.8	-203057.8
40.	-2656.0	1098.7	6.2	-4151.7	768.9	-159108.6
80.	-2496.7	1098.7	6.2	-4151.7	519.0	-115159.3
120.	-2337.5	1098.7	6.2	-4151.7	269.2	-71210.1
160.	-2178.2	1098.7	6.2	-4151.7	19.3	-27260.9
200.	-2019.0	1098.7	6.2	-4151.7	-230.5	16688.3
240.	-1859.7	1098.7	6.2	-4151.7	-480.4	60637.6
280.	-1700.5	1098.7	6.2	-4151.7	-730.3	104586.8
320.	-1541.2	1098.7	6.2	-4151.7	-980.1	148536.0
Asta	68	odi	70	100		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3165.1	1298.1	8.3	7587.9	6300.1	-211509.2
40.	-3005.9	1298.1	8.3	7587.9	5968.8	-159584.3
80.	-2846.6	1298.1	8.3	7587.9	5637.5	-107659.5
120.	-2687.4	1298.1	8.3	7587.9	5306.2	-55734.7
160.	-2528.1	1298.1	8.3	7587.9	4974.8	-3809.8
200.	-2368.9	1298.1	8.3	7587.9	4643.5	48115.0
240.	-2209.6	1298.1	8.3	7587.9	4312.2	100039.9
280.	-2050.4	1298.1	8.3	7587.9	3980.9	151964.7
320.	-1891.1	1298.1	8.3	7587.9	3649.6	203889.5
Asta	69	odi	71	101		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-926.0	516.6	8.3	3818.7	1756.2	-51637.2
40.	-766.8	516.6	8.3	3818.7	1426.1	-30971.8
80.	-607.5	516.6	8.3	3818.7	1096.1	-10306.4
120.	-448.3	516.6	8.3	3818.7	766.1	10359.0
160.	-289.0	516.6	8.3	3818.7	436.1	31024.4

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200.	-129.8	516.6	8.3	3818.7	106.1	51689.9
240.	29.5	516.6	8.3	3818.7	-223.9	72355.3
280.	188.7	516.6	8.3	3818.7	-553.9	93020.7
320.	348.0	516.6	8.3	3818.7	-883.9	113686.1
Asta	70	nodì	72	102		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1606.5	-381.0	5.3	2563.0	-192.2	35081.7
40.	-1447.3	-381.0	5.3	2563.0	-403.4	19842.3
80.	-1288.0	-381.0	5.3	2563.0	-614.6	4603.0
120.	-1128.8	-381.0	5.3	2563.0	-825.8	-10636.4
160.	-969.5	-381.0	5.3	2563.0	-1036.9	-25875.7
200.	-810.3	-381.0	5.3	2563.0	-1248.1	-41115.1
240.	-651.0	-381.0	5.3	2563.0	-1459.3	-56354.5
280.	-491.8	-381.0	5.3	2563.0	-1670.5	-71593.8
320.	-332.5	-381.0	5.3	2563.0	-1881.7	-86833.2
Asta	71	nodì	73	103		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2864.0	-1433.8	-21.8	-109.2	-7864.0	267189.8
40.	-2704.7	-1433.8	-21.8	-109.2	-6991.5	209838.9
80.	-2545.5	-1433.8	-21.8	-109.2	-6119.0	152488.1
120.	-2386.2	-1433.8	-21.8	-109.2	-5246.5	95137.2
160.	-2227.0	-1433.8	-21.8	-109.2	-4374.0	37786.3
200.	-2067.7	-1433.8	-21.8	-109.2	-3501.5	-19564.6
240.	-1908.5	-1433.8	-21.8	-109.2	-2629.0	-76915.5
280.	-1749.2	-1433.8	-21.8	-109.2	-1756.5	-134266.4
320.	-1590.0	-1433.8	-21.8	-109.2	-884.0	-191617.3
Asta	72	nodì	63	9		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2748.9	6493.5	-118.6	-23730.1	-14640.7	-253789.1
34.	-2748.9	4776.7	-118.6	-23730.1	-10578.7	-60787.2
69.	-2748.9	3059.8	-118.6	-23730.1	-6516.8	73412.6
103.	-2748.9	1343.0	-118.6	-23730.1	-2454.8	148810.0
137.	-2748.9	-373.9	-118.6	-23730.1	1607.2	165405.3
171.	-2748.9	-2090.7	-118.6	-23730.1	5669.2	123198.4
206.	-2748.9	-3807.6	-118.6	-23730.1	9731.2	22189.2
240.	-2748.9	-5524.5	-118.6	-23730.1	13793.2	-137622.2
274.	-2748.9	-7241.3	-118.6	-23730.1	17855.1	-356235.8
Asta	73	nodì	1	3		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3890.5	9997.1	12.4	17330.0	735.6	-653600.2
50.	-3890.5	7512.7	12.4	17330.0	119.2	-219686.8
99.	-3890.5	5028.2	12.4	17330.0	-497.2	91092.2
149.	-3890.5	2543.8	12.4	17330.0	-1113.6	278736.9
198.	-3890.5	59.4	12.4	17330.0	-1730.0	343247.3
248.	-3890.5	-2425.0	12.4	17330.0	-2346.4	284623.5
297.	-3890.5	-4909.5	12.4	17330.0	-2962.8	102865.4
347.	-3890.5	-7393.9	12.4	17330.0	-3579.2	-202027.0
397.	-3890.5	-9878.3	12.4	17330.0	-4195.6	-630053.7
Asta	74	nodì	3	5		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-4345.0	10184.4	-21.1	-2149.6	-4767.4	-698703.4
50.	-4345.0	7678.0	-21.1	-2149.6	-3710.0	-252144.6
100.	-4345.0	5171.6	-21.1	-2149.6	-2652.6	69096.5
150.	-4345.0	2665.3	-21.1	-2149.6	-1595.2	265019.9
200.	-4345.0	158.9	-21.1	-2149.6	-537.7	335625.5
250.	-4345.0	-2347.4	-21.1	-2149.6	519.7	280913.3
300.	-4345.0	-4853.8	-21.1	-2149.6	1577.1	100883.4
350.	-4345.0	-7360.1	-21.1	-2149.6	2634.5	-204464.2
400.	-4345.0	-9866.5	-21.1	-2149.6	3691.9	-635129.6
Asta	75	nodì	5	7		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-4513.6	10252.0	-2.9	-2249.1	-336.5	-701752.2
50.	-4513.6	7730.0	-2.9	-2249.1	-190.3	-249392.0
101.	-4513.6	5208.0	-2.9	-2249.1	-44.1	76079.1
151.	-4513.6	2686.0	-2.9	-2249.1	102.1	274661.1
201.	-4513.6	163.9	-2.9	-2249.1	248.3	346354.0
252.	-4513.6	-2358.1	-2.9	-2249.1	394.5	291157.8
302.	-4513.6	-4880.1	-2.9	-2249.1	540.7	109072.4
352.	-4513.6	-7402.1	-2.9	-2249.1	686.9	-199902.1
403.	-4513.6	-9924.1	-2.9	-2249.1	833.1	-635765.7
Asta	76	nodì	7	57		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3540.8	7563.4	-3.5	-1603.2	-449.5	-395841.6
37.	-3540.8	5708.7	-3.5	-1603.2	-318.6	-150309.0
74.	-3540.8	3854.0	-3.5	-1603.2	-187.6	26599.6
111.	-3540.8	1999.3	-3.5	-1603.2	-56.6	134884.2
148.	-3540.8	144.6	-3.5	-1603.2	74.4	174544.8
185.	-3540.8	-1710.1	-3.5	-1603.2	205.3	145581.4
222.	-3540.8	-3564.8	-3.5	-1603.2	336.3	47994.0
259.	-3540.8	-5419.6	-3.5	-1603.2	467.3	-118217.4
296.	-3540.8	-7274.3	-3.5	-1603.2	598.3	-353052.8
Asta	77	nodì	57	59		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-4605.6	8909.9	0.9	-1190.5	297.6	-519068.1
44.	-4605.6	6682.4	0.9	-1190.5	259.6	-172628.3
89.	-4605.6	4454.8	0.9	-1190.5	221.6	74825.9

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133.	-4605.6	2227.3	0.9	-1190.5	183.7	223294.7
178.	-4605.6	-0.2	0.9	-1190.5	145.7	272777.8
222.	-4605.6	-2227.7	0.9	-1190.5	107.8	223275.4
267.	-4605.6	-4455.3	0.9	-1190.5	69.8	74787.5
311.	-4605.6	-6682.8	0.9	-1190.5	31.8	-172686.0
356.	-4605.6	-8910.3	0.9	-1190.5	-6.1	-519145.1
Asta	78	odi	59	61		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-4518.2	7455.5	0.9	-942.0	932.5	-370442.1
37.	-4518.2	5597.6	0.9	-942.0	897.8	-128552.2
74.	-4518.2	3739.8	0.9	-942.0	863.1	44481.6
111.	-4518.2	1881.9	0.9	-942.0	828.5	148659.3
148.	-4518.2	24.1	0.9	-942.0	793.8	183981.0
185.	-4518.2	-1833.7	0.9	-942.0	759.1	150446.7
222.	-4518.2	-3691.6	0.9	-942.0	724.4	48056.4
259.	-4518.2	-5549.4	0.9	-942.0	689.7	-123190.0
297.	-4518.2	-7407.2	0.9	-942.0	655.0	-363292.4
Asta	79	odi	61	63		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-4253.3	6438.5	52.4	-2396.6	4518.9	-260876.2
34.	-4253.3	4753.0	52.4	-2396.6	2756.7	-72718.4
67.	-4253.3	3067.5	52.4	-2396.6	994.4	58763.6
101.	-4253.3	1382.0	52.4	-2396.6	-767.9	133569.9
135.	-4253.3	-303.6	52.4	-2396.6	-2530.2	151700.4
168.	-4253.3	-1989.1	52.4	-2396.6	-4292.5	113155.2
202.	-4253.3	-3674.6	52.4	-2396.6	-6054.8	17934.3
235.	-4253.3	-5360.1	52.4	-2396.6	-7817.1	-133962.4
269.	-4253.3	-7045.7	52.4	-2396.6	-9579.3	-342534.8
Asta	80	odi	49	31		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	2060.1	5740.0	41.2	-7916.6	-1428.8	-344765.7
39.	2060.1	4395.4	41.2	-7916.6	-3031.1	-147442.8
78.	2060.1	3050.8	41.2	-7916.6	-4633.4	-2473.7
117.	2060.1	1706.3	41.2	-7916.6	-6235.7	90141.7
156.	2060.1	361.7	41.2	-7916.6	-7838.0	130403.3
195.	2060.1	-982.8	41.2	-7916.6	-9440.3	118311.2
234.	2060.1	-2327.4	41.2	-7916.6	-11042.6	53865.3
273.	2060.1	-3671.9	41.2	-7916.6	-12644.9	-62934.3
312.	2060.1	-5016.5	41.2	-7916.6	-14247.2	-232087.7
Asta	81	odi	51	49		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	3304.3	5674.5	21.2	1686.4	-682.8	-312358.1
41.	3304.3	4258.7	21.2	1686.4	-1550.1	-108727.1
82.	3304.3	2842.9	21.2	1686.4	-2417.4	36857.0
123.	3304.3	1427.2	21.2	1686.4	-3284.7	124394.2
164.	3304.3	11.4	21.2	1686.4	-4152.0	153884.4
205.	3304.3	-1404.4	21.2	1686.4	-5019.3	125327.6
246.	3304.3	-2820.2	21.2	1686.4	-5886.6	38723.9
287.	3304.3	-4236.0	21.2	1686.4	-6753.9	-105926.7
328.	3304.3	-5651.7	21.2	1686.4	-7621.1	-308624.3
Asta	82	odi	29	51		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	53.4	4929.8	32.7	11508.3	6930.2	-218756.6
38.	53.4	3602.5	32.7	11508.3	5672.7	-54777.6
77.	53.4	2275.2	32.7	11508.3	4415.2	58183.5
115.	53.4	947.9	32.7	11508.3	3157.8	120126.8
154.	53.4	-379.4	32.7	11508.3	1900.3	131052.3
192.	53.4	-1706.7	32.7	11508.3	642.8	90960.0
231.	53.4	-3034.0	32.7	11508.3	-614.7	-150.2
269.	53.4	-4361.3	32.7	11508.3	-1872.1	-142278.2
308.	53.4	-5688.6	32.7	11508.3	-3129.6	-335424.0
Asta	83	odi	37	35		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1352.1	8041.3	-5.7	-7401.5	-2431.0	-594434.7
53.	-1352.1	6098.6	-5.7	-7401.5	-2130.8	-221937.1
105.	-1352.1	4155.9	-5.7	-7401.5	-1830.5	48205.1
158.	-1352.1	2213.2	-5.7	-7401.5	-1530.3	215991.9
211.	-1352.1	270.5	-5.7	-7401.5	-1230.0	281423.4
263.	-1352.1	-1672.2	-5.7	-7401.5	-929.8	244499.4
316.	-1352.1	-3614.8	-5.7	-7401.5	-629.5	105220.1
369.	-1352.1	-5557.5	-5.7	-7401.5	-329.3	-136414.6
422.	-1352.1	-7500.2	-5.7	-7401.5	-29.0	-480404.8
Asta	84	odi	39	37		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1699.4	8536.9	-24.5	-16694.7	-6851.4	-644361.2
58.	-1699.4	6396.0	-24.5	-16694.7	-5426.7	-210840.8
116.	-1699.4	4255.1	-24.5	-16694.7	-4002.0	98375.0
174.	-1699.4	2114.3	-24.5	-16694.7	-2577.3	283286.4
232.	-1699.4	-26.6	-24.5	-16694.7	-1152.6	343893.2
290.	-1699.4	-2167.5	-24.5	-16694.7	272.1	280195.4
348.	-1699.4	-4308.4	-24.5	-16694.7	1696.8	92193.1
406.	-1699.4	-6449.2	-24.5	-16694.7	3121.5	-220113.7
465.	-1699.4	-8590.1	-24.5	-16694.7	4546.2	-656725.0
Asta	85	odi	43	41		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2811.5	8582.2	75.7	17202.7	9876.1	-653448.4

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58.	-2811.5	6441.3	75.7	17202.7	5479.7	-217296.2
116.	-2811.5	4300.5	75.7	17202.7	1083.3	94551.5
174.	-2811.5	2159.6	75.7	17202.7	-3313.0	282094.6
232.	-2811.5	18.7	75.7	17202.7	-7709.4	345333.1
290.	-2811.5	-2122.2	75.7	17202.7	-12105.8	284267.2
348.	-2811.5	-4263.0	75.7	17202.7	-16502.1	98896.7
406.	-2811.5	-6403.9	75.7	17202.7	-20898.5	-210778.4
465.	-2811.5	-8544.8	75.7	17202.7	-25294.9	-644757.9

Asta	86	nod	45	43		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3283.3	7023.5	81.8	6057.0	21393.9	-423184.0
49.	-3283.3	5214.5	81.8	6057.0	17378.4	-122969.7
98.	-3283.3	3405.5	81.8	6057.0	13363.0	88489.2
147.	-3283.3	1596.4	81.8	6057.0	9347.5	211192.7
196.	-3283.3	-212.6	81.8	6057.0	5332.1	245140.7
245.	-3283.3	-2021.6	81.8	6057.0	1316.6	190333.4
294.	-3283.3	-3830.6	81.8	6057.0	-2698.9	46770.6
343.	-3283.3	-5639.7	81.8	6057.0	-6714.3	-185547.6
393.	-3283.3	-7448.7	81.8	6057.0	-10729.8	-506621.2

Asta	87	nod	35	104		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1319.0	3226.0	11.6	12842.4	7422.7	-185553.4
45.	-1319.0	2418.6	11.6	12842.4	6907.4	-59784.1
89.	-1319.0	1611.1	11.6	12842.4	6392.1	30002.2
134.	-1319.0	803.6	11.6	12842.4	5876.9	83805.4
178.	-1319.0	-3.8	11.6	12842.4	5361.6	101625.7
223.	-1319.0	-811.3	11.6	12842.4	4846.4	83463.0
267.	-1319.0	-1618.8	11.6	12842.4	4331.1	29317.3
312.	-1319.0	-2426.3	11.6	12842.4	3815.8	-60811.4
357.	-1319.0	-3233.7	11.6	12842.4	3300.6	-186923.0

Asta	88	nod	104	11		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1243.7	2367.4	196.0	-221.2	36594.9	-85492.9
39.	-1243.7	1660.7	196.0	-221.2	28952.3	-6944.5
78.	-1243.7	954.0	196.0	-221.2	21309.6	44043.3
117.	-1243.7	247.4	196.0	-221.2	13666.9	67470.7
156.	-1243.7	-459.3	196.0	-221.2	6024.3	63337.5
195.	-1243.7	-1166.0	196.0	-221.2	-1618.4	31643.8
234.	-1243.7	-1872.7	196.0	-221.2	-9261.1	-27610.4
273.	-1243.7	-2579.4	196.0	-221.2	-16903.7	-114425.1
312.	-1243.7	-3286.0	196.0	-221.2	-24546.4	-228800.4

Asta	89	nod	11	9		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	1861.8	5461.3	31.2	-5879.0	6666.9	-532290.5
76.	1861.8	4083.0	31.2	-5879.0	4297.3	-169309.3
152.	1861.8	2704.8	31.2	-5879.0	1927.7	88838.7
228.	1861.8	1326.5	31.2	-5879.0	-441.9	242153.3
304.	1861.8	-51.7	31.2	-5879.0	-2811.5	290634.5
380.	1861.8	-1430.0	31.2	-5879.0	-5181.2	234282.5
456.	1861.8	-2808.2	31.2	-5879.0	-7550.8	73097.1
532.	1861.8	-4186.5	31.2	-5879.0	-9920.4	-192921.6
609.	1861.8	-5564.7	31.2	-5879.0	-12290.0	-563773.7

Asta	90	nod	105	1		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	6673.7	5593.7	91.0	66350.1	28412.9	-574469.4
76.	6673.7	4215.5	91.0	66350.1	21487.5	-201413.3
152.	6673.7	2837.2	91.0	66350.1	14562.1	66809.5
228.	6673.7	1459.0	91.0	66350.1	7636.6	230199.0
304.	6673.7	80.7	91.0	66350.1	711.2	288755.1
380.	6673.7	-1297.5	91.0	66350.1	-6214.2	242477.9
456.	6673.7	-2675.8	91.0	66350.1	-13139.6	91367.4
532.	6673.7	-4054.0	91.0	66350.1	-20065.0	-164576.5
609.	6673.7	-5432.3	91.0	66350.1	-26990.4	-525353.7

Asta	91	nod	106	105		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	9145.9	2342.9	-281.6	-59421.6	-40801.4	-92414.2
39.	9145.9	1636.3	-281.6	-59421.6	-29819.1	-14820.0
78.	9145.9	929.6	-281.6	-59421.6	-18836.9	35213.6
117.	9145.9	222.9	-281.6	-59421.6	-7854.6	57686.8
156.	9145.9	-483.8	-281.6	-59421.6	3127.6	52599.4
195.	9145.9	-1190.5	-281.6	-59421.6	14109.9	19951.5
234.	9145.9	-1897.1	-281.6	-59421.6	25092.1	-40257.0
273.	9145.9	-2603.8	-281.6	-59421.6	36074.4	-128025.9
312.	9145.9	-3310.5	-281.6	-59421.6	47056.6	-243355.4

Asta	92	nod	45	106		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	3690.0	2734.6	-288.5	-66742.8	-54351.2	-96861.3
45.	3690.0	1927.1	-288.5	-66742.8	-41494.5	7008.8
89.	3690.0	1119.7	-288.5	-66742.8	-28637.8	74895.8
134.	3690.0	312.2	-288.5	-66742.8	-15781.1	106799.8
178.	3690.0	-495.3	-288.5	-66742.8	-2924.3	102720.9
223.	3690.0	-1302.7	-288.5	-66742.8	9932.4	62658.9
267.	3690.0	-2110.2	-288.5	-66742.8	22789.1	-13386.0
312.	3690.0	-2917.7	-288.5	-66742.8	35645.8	-125414.0
357.	3690.0	-3725.2	-288.5	-66742.8	48502.6	-273424.9

Asta	93	nod	87	107		

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PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1114.5	906.9	-90.2	63607.6	-5023.1	-121268.6
45.	-1114.5	767.9	-90.2	63607.6	-1003.4	-83953.0
89.	-1114.5	628.8	-90.2	63607.6	3016.3	-52833.1
134.	-1114.5	489.8	-90.2	63607.6	7036.0	-27908.9
178.	-1114.5	350.8	-90.2	63607.6	11055.7	-9180.5
223.	-1114.5	211.7	-90.2	63607.6	15075.4	3352.2
267.	-1114.5	72.7	-90.2	63607.6	19095.1	9689.1
312.	-1114.5	-66.3	-90.2	63607.6	23114.8	9830.3
357.	-1114.5	-205.4	-90.2	63607.6	27134.5	3775.7
Asta 94 nodi 107 108						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1712.9	1062.4	-73.4	12027.1	-40640.2	-81455.7
39.	-1712.9	940.7	-73.4	12027.1	-37779.0	-42394.9
78.	-1712.9	819.0	-73.4	12027.1	-34917.9	-8079.7
117.	-1712.9	697.4	-73.4	12027.1	-32056.7	21490.0
156.	-1712.9	575.7	-73.4	12027.1	-29195.6	46314.2
195.	-1712.9	454.0	-73.4	12027.1	-26334.5	66392.9
234.	-1712.9	332.3	-73.4	12027.1	-23473.3	81726.1
273.	-1712.9	210.6	-73.4	12027.1	-20612.2	92313.7
312.	-1712.9	89.0	-73.4	12027.1	-17751.0	98155.8
Asta 95 nodi 108 65						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2010.4	346.7	-115.9	-49939.6	-48893.2	91184.2
76.	-2010.4	109.3	-115.9	-49939.6	-40078.2	108526.6
152.	-2010.4	-128.0	-115.9	-49939.6	-31263.1	107818.2
228.	-2010.4	-365.3	-115.9	-49939.6	-22448.1	89059.1
304.	-2010.4	-602.6	-115.9	-49939.6	-13633.0	52249.2
380.	-2010.4	-839.9	-115.9	-49939.6	-4817.9	-2611.4
456.	-2010.4	-1077.2	-115.9	-49939.6	3997.1	-75522.9
532.	-2010.4	-1314.5	-115.9	-49939.6	12812.2	-166485.1
609.	-2010.4	-1551.9	-115.9	-49939.6	21627.2	-275498.0
Asta 96 nodi 70 69						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1078.4	854.7	-87.4	-7035.3	-39405.3	-68877.3
76.	-1078.4	617.4	-87.4	-7035.3	-32760.4	-12892.9
152.	-1078.4	380.1	-87.4	-7035.3	-26115.5	25040.7
228.	-1078.4	142.7	-87.4	-7035.3	-19470.6	44923.5
304.	-1078.4	-94.6	-87.4	-7035.3	-12825.7	46755.6
380.	-1078.4	-331.9	-87.4	-7035.3	-6180.8	30536.9
456.	-1078.4	-569.2	-87.4	-7035.3	464.1	-3732.6
532.	-1078.4	-806.5	-87.4	-7035.3	7109.0	-56052.9
609.	-1078.4	-1043.8	-87.4	-7035.3	13753.9	-126423.9
Asta 97 nodi 109 70						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-661.4	231.5	797.3	-4008.6	150622.5	16947.6
39.	-661.4	109.9	797.3	-4008.6	119526.5	23604.5
78.	-661.4	-11.8	797.3	-4008.6	88430.5	25515.9
117.	-661.4	-133.5	797.3	-4008.6	57334.5	22681.7
156.	-661.4	-255.2	797.3	-4008.6	26238.5	15102.1
195.	-661.4	-376.9	797.3	-4008.6	-4857.5	2776.9
234.	-661.4	-498.5	797.3	-4008.6	-35953.5	-14293.8
273.	-661.4	-620.2	797.3	-4008.6	-67049.5	-36110.0
312.	-661.4	-741.9	797.3	-4008.6	-98145.5	-62671.7
Asta 98 nodi 82 109						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-510.7	543.7	265.2	4565.6	57427.5	-29357.6
45.	-510.7	404.7	265.2	4565.6	45610.0	-8225.1
89.	-510.7	265.7	265.2	4565.6	33792.5	6711.7
134.	-510.7	126.6	265.2	4565.6	21975.0	15452.7
178.	-510.7	-12.4	265.2	4565.6	10157.4	17998.0
223.	-510.7	-151.4	265.2	4565.6	-1660.1	14347.5
267.	-510.7	-290.5	265.2	4565.6	-13477.6	4501.2
312.	-510.7	-429.5	265.2	4565.6	-25295.1	-11540.7
357.	-510.7	-568.5	265.2	4565.6	-37112.6	-33778.5
Asta 99 nodi 84 80						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-443.1	940.0	461.5	25968.2	62870.1	-101124.6
45.	-443.1	801.0	461.5	25968.2	42303.9	-62331.5
89.	-443.1	662.0	461.5	25968.2	21737.7	-29734.2
134.	-443.1	522.9	461.5	25968.2	1171.6	-3332.6
178.	-443.1	383.9	461.5	25968.2	-19394.6	16873.2
223.	-443.1	244.9	461.5	25968.2	-39960.8	30883.3
267.	-443.1	105.8	461.5	25968.2	-60526.9	38697.7
312.	-443.1	-33.2	461.5	25968.2	-81093.1	40316.3
357.	-443.1	-172.2	461.5	25968.2	-101659.3	35739.1
Asta 100 nodi 84 83						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2126.1	7360.2	-148.8	-10788.0	-63658.5	-524384.0
58.	-2126.1	5493.4	-148.8	-10788.0	-55020.0	-151229.3
116.	-2126.1	3626.7	-148.8	-10788.0	-46381.5	113537.4
174.	-2126.1	1759.9	-148.8	-10788.0	-37742.9	269916.1
232.	-2126.1	-106.8	-148.8	-10788.0	-29104.4	317906.8
290.	-2126.1	-1973.6	-148.8	-10788.0	-20465.9	257509.5
348.	-2126.1	-3840.3	-148.8	-10788.0	-11827.4	88724.2
406.	-2126.1	-5707.1	-148.8	-10788.0	-3188.8	-188449.1
465.	-2126.1	-7573.8	-148.8	-10788.0	5449.7	-574010.4

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Asta	101	nod	83	82		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2079.4	7311.5	-174.4	-8017.5	-12249.1	-567368.8
53.	-2079.4	5617.5	-174.4	-8017.5	-3061.6	-226771.4
105.	-2079.4	3923.6	-174.4	-8017.5	6126.0	24576.6
158.	-2079.4	2229.6	-174.4	-8017.5	15313.5	186675.4
211.	-2079.4	535.7	-174.4	-8017.5	24501.1	259524.8
263.	-2079.4	-1158.2	-174.4	-8017.5	33688.6	243124.8
316.	-2079.4	-2852.2	-174.4	-8017.5	42876.2	137475.6
369.	-2079.4	-4546.1	-174.4	-8017.5	52063.7	-57423.0
422.	-2079.4	-6240.0	-174.4	-8017.5	61251.3	-341570.9

Asta	102	nod	86	85		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2345.2	7706.6	44.7	4967.1	6240.0	-599218.2
58.	-2345.2	5839.9	44.7	4967.1	3644.6	-205945.7
116.	-2345.2	3973.1	44.7	4967.1	1049.2	78938.8
174.	-2345.2	2106.4	44.7	4967.1	-1546.2	255435.3
232.	-2345.2	239.6	44.7	4967.1	-4141.6	323543.8
290.	-2345.2	-1627.1	44.7	4967.1	-6737.0	283264.3
348.	-2345.2	-3493.8	44.7	4967.1	-9332.4	134596.7
406.	-2345.2	-5360.6	44.7	4967.1	-11927.8	-122458.8
465.	-2345.2	-7227.3	44.7	4967.1	-14523.3	-487902.4

Asta	103	nod	87	86		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1506.6	6064.0	50.3	5241.6	17478.7	-352467.6
49.	-1506.6	4486.6	50.3	5241.6	15011.3	-93649.4
98.	-1506.6	2909.2	50.3	5241.6	12544.0	87778.0
147.	-1506.6	1331.8	50.3	5241.6	10076.7	191814.7
196.	-1506.6	-245.6	50.3	5241.6	7609.4	218460.6
245.	-1506.6	-1823.0	50.3	5241.6	5142.1	167715.7
294.	-1506.6	-3400.4	50.3	5241.6	2674.7	39580.1
343.	-1506.6	-4977.8	50.3	5241.6	207.4	-165946.3
393.	-1506.6	-6555.2	50.3	5241.6	-2259.9	-448863.4

Asta	104	nod	85	79		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-244.2	603.2	14.7	-31894.2	-2814.0	-41148.0
45.	-244.2	464.2	14.7	-31894.2	-3467.6	-17365.3
89.	-244.2	325.1	14.7	-31894.2	-4121.2	221.6
134.	-244.2	186.1	14.7	-31894.2	-4774.9	11612.8
178.	-244.2	47.1	14.7	-31894.2	-5428.5	16808.2
223.	-244.2	-92.0	14.7	-31894.2	-6082.1	15807.9
267.	-244.2	-231.0	14.7	-31894.2	-6735.8	8611.9
312.	-244.2	-370.0	14.7	-31894.2	-7389.4	-4779.9
357.	-244.2	-509.1	14.7	-31894.2	-8043.1	-24367.5

Asta	105	nod	79	90		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	380.4	5692.3	-6.2	-1577.3	-18076.5	-283955.9
38.	380.4	4242.8	-6.2	-1577.3	-17837.2	-93016.8
77.	380.4	2793.2	-6.2	-1577.3	-17597.8	42206.3
115.	380.4	1343.7	-6.2	-1577.3	-17358.5	121713.3
154.	380.4	-105.8	-6.2	-1577.3	-17119.2	145504.2
192.	380.4	-1555.3	-6.2	-1577.3	-16879.8	113579.0
231.	380.4	-3004.9	-6.2	-1577.3	-16640.5	25937.7
269.	380.4	-4454.4	-6.2	-1577.3	-16401.2	-117419.7
308.	380.4	-5903.9	-6.2	-1577.3	-16161.8	-316493.1

Asta	106	nod	90	89		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-16.9	6427.2	5.9	-2029.0	-19326.7	-381588.5
41.	-16.9	4881.0	5.9	-2029.0	-19569.2	-149770.1
82.	-16.9	3334.9	5.9	-2029.0	-19811.7	18655.9
123.	-16.9	1788.7	5.9	-2029.0	-20054.2	123689.3
164.	-16.9	242.6	5.9	-2029.0	-20296.7	165330.2
205.	-16.9	-1303.6	5.9	-2029.0	-20539.2	143578.5
246.	-16.9	-2849.8	5.9	-2029.0	-20781.7	58434.3
287.	-16.9	-4395.9	5.9	-2029.0	-21024.2	-90102.4
328.	-16.9	-5942.1	5.9	-2029.0	-21266.7	-302031.6

Asta	107	nod	89	80		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-594.3	6468.0	-8.0	1395.8	-25572.9	-406078.5
39.	-594.3	4999.6	-8.0	1395.8	-25261.9	-182817.8
78.	-594.3	3531.3	-8.0	1395.8	-24950.8	-16732.2
117.	-594.3	2062.9	-8.0	1395.8	-24639.7	92178.4
156.	-594.3	594.5	-8.0	1395.8	-24328.6	143914.0
195.	-594.3	-873.9	-8.0	1395.8	-24017.6	138474.5
234.	-594.3	-2342.3	-8.0	1395.8	-23706.5	75860.0
273.	-594.3	-3810.6	-8.0	1395.8	-23395.4	-43929.6
312.	-594.3	-5279.0	-8.0	1395.8	-23084.4	-220894.2

Asta	108	nod	96	69		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1390.2	5072.0	31.7	-3577.4	729.5	-197296.5
34.	-1390.2	3759.4	31.7	-3577.4	-357.0	-46059.2
69.	-1390.2	2446.7	31.7	-3577.4	-1443.5	60219.5
103.	-1390.2	1134.0	31.7	-3577.4	-2530.0	121539.5
137.	-1390.2	-178.6	31.7	-3577.4	-3616.4	137900.9
171.	-1390.2	-1491.3	31.7	-3577.4	-4702.9	109303.8
206.	-1390.2	-2803.9	31.7	-3577.4	-5789.4	35747.9

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240.	-1390.2	-4116.6	31.7	-3577.4	-6875.9	-82766.5
274.	-1390.2	-5429.3	31.7	-3577.4	-7962.3	-246239.5
Asta	109	nodì	65	66		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1987.3	7593.2	-5.7	3153.2	9046.6	-474929.6
50.	-1987.3	5693.6	-5.7	3153.2	9328.9	-145666.5
99.	-1987.3	3794.1	-5.7	3153.2	9611.2	89451.4
149.	-1987.3	1894.6	-5.7	3153.2	9893.5	230424.2
198.	-1987.3	-4.9	-5.7	3153.2	10175.8	277251.7
248.	-1987.3	-1904.5	-5.7	3153.2	10458.1	229934.0
297.	-1987.3	-3804.0	-5.7	3153.2	10740.4	88471.1
347.	-1987.3	-5703.5	-5.7	3153.2	11022.7	-147137.0
397.	-1987.3	-7603.0	-5.7	3153.2	11305.0	-476890.3
Asta	110	nodì	66	67		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2308.6	7768.5	26.8	-289.3	7897.7	-539005.1
50.	-2308.6	5852.2	26.8	-289.3	6558.7	-198486.0
100.	-2308.6	3935.9	26.8	-289.3	5219.8	46218.5
150.	-2308.6	2019.7	26.8	-289.3	3880.8	195108.4
200.	-2308.6	103.4	26.8	-289.3	2541.8	248183.6
250.	-2308.6	-1812.9	26.8	-289.3	1202.8	205444.2
300.	-2308.6	-3729.2	26.8	-289.3	-136.1	66890.2
350.	-2308.6	-5645.5	26.8	-289.3	-1475.1	-167478.5
400.	-2308.6	-7561.8	26.8	-289.3	-2814.1	-497661.7
Asta	111	nodì	67	68		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2946.1	9570.7	3.1	427.3	-1659.5	-643775.6
50.	-2946.1	7224.3	3.1	427.3	-1813.7	-221275.4
101.	-2946.1	4878.0	3.1	427.3	-1967.9	83173.3
151.	-2946.1	2531.6	3.1	427.3	-2122.2	269570.5
201.	-2946.1	185.2	3.1	427.3	-2276.4	337916.1
252.	-2946.1	-2161.1	3.1	427.3	-2430.6	288210.1
302.	-2946.1	-4507.5	3.1	427.3	-2584.9	120452.6
352.	-2946.1	-6853.9	3.1	427.3	-2739.1	-165356.5
403.	-2946.1	-9200.2	3.1	427.3	-2893.3	-569217.1
Asta	112	nodì	68	93		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2061.8	7118.1	-4.1	-505.5	-3226.2	-399630.7
37.	-2061.8	5392.6	-4.1	-505.5	-3075.8	-168182.9
74.	-2061.8	3667.1	-4.1	-505.5	-2925.4	-579.5
111.	-2061.8	1941.5	-4.1	-505.5	-2775.0	103179.4
148.	-2061.8	216.0	-4.1	-505.5	-2624.6	143093.8
185.	-2061.8	-1509.5	-4.1	-505.5	-2474.2	119163.7
222.	-2061.8	-3235.0	-4.1	-505.5	-2323.8	31389.2
259.	-2061.8	-4960.6	-4.1	-505.5	-2173.4	-120229.8
296.	-2061.8	-6686.1	-4.1	-505.5	-2023.0	-335693.3
Asta	113	nodì	93	94		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2776.7	8321.4	-7.9	-1420.8	-3826.6	-474127.5
44.	-2776.7	6249.0	-7.9	-1420.8	-3476.5	-150391.8
89.	-2776.7	4176.6	-7.9	-1420.8	-3126.5	81252.5
133.	-2776.7	2104.2	-7.9	-1420.8	-2776.4	220805.5
178.	-2776.7	31.9	-7.9	-1420.8	-2426.3	268267.0
222.	-2776.7	-2040.5	-7.9	-1420.8	-2076.2	223637.1
267.	-2776.7	-4112.9	-7.9	-1420.8	-1726.1	86915.7
311.	-2776.7	-6185.3	-7.9	-1420.8	-1376.0	-141897.0
356.	-2776.7	-8257.7	-7.9	-1420.8	-1025.9	-462801.2
Asta	114	nodì	94	95		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2067.5	5860.8	-14.7	-1686.8	-4194.3	-315605.7
37.	-2067.5	4440.3	-14.7	-1686.8	-3648.7	-124714.1
74.	-2067.5	3019.9	-14.7	-1686.8	-3103.1	13532.1
111.	-2067.5	1599.4	-14.7	-1686.8	-2557.5	99132.8
148.	-2067.5	179.0	-14.7	-1686.8	-2011.9	132087.9
185.	-2067.5	-1241.5	-14.7	-1686.8	-1466.3	112397.6
222.	-2067.5	-2662.0	-14.7	-1686.8	-920.7	40061.8
259.	-2067.5	-4082.4	-14.7	-1686.8	-375.1	-84919.5
297.	-2067.5	-5502.9	-14.7	-1686.8	170.4	-262546.3
Asta	115	nodì	95	96		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1721.8	4902.6	-20.9	-769.4	-3152.4	-196398.2
34.	-1721.8	3613.9	-20.9	-769.4	-2449.5	-53216.1
67.	-1721.8	2325.1	-20.9	-769.4	-1746.7	46633.3
101.	-1721.8	1036.4	-20.9	-769.4	-1043.8	103149.9
135.	-1721.8	-252.3	-20.9	-769.4	-340.9	116333.7
168.	-1721.8	-1541.0	-20.9	-769.4	361.9	86184.8
202.	-1721.8	-2829.7	-20.9	-769.4	1064.8	12703.0
235.	-1721.8	-4118.4	-20.9	-769.4	1767.7	-104111.4
269.	-1721.8	-5407.1	-20.9	-769.4	2470.6	-264258.6
Asta	116	nodì	39	31		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	1151.7	3454.3	25.6	2849.7	940.7	-223350.2
45.	1151.7	2646.8	25.6	2849.7	-198.2	-87411.3
89.	1151.7	1839.3	25.6	2849.7	-1337.1	12544.7
134.	1151.7	1031.8	25.6	2849.7	-2476.0	76517.7
178.	1151.7	224.4	25.6	2849.7	-3614.8	104507.7

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223.	1151.7	-583.1	25.6	2849.7	-4753.7	96514.7
267.	1151.7	-1390.6	25.6	2849.7	-5892.6	52538.7
312.	1151.7	-2198.0	25.6	2849.7	-7031.5	-27420.2
357.	1151.7	-3005.5	25.6	2849.7	-8170.3	-143362.2
Asta	117	nod	41	29		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	1266.9	3327.1	-189.7	-9673.4	-28127.7	-200987.2
45.	1266.9	2519.6	-189.7	-9673.4	-19674.9	-70714.0
89.	1266.9	1712.2	-189.7	-9673.4	-11222.1	23576.3
134.	1266.9	904.7	-189.7	-9673.4	-2769.4	81883.5
178.	1266.9	97.2	-189.7	-9673.4	5683.4	104207.8
223.	1266.9	-710.2	-189.7	-9673.4	14136.2	90549.1
267.	1266.9	-1517.7	-189.7	-9673.4	22589.0	40907.3
312.	1266.9	-2325.2	-189.7	-9673.4	31041.7	-44717.4
357.	1266.9	-3132.7	-189.7	-9673.4	39494.5	-166325.1
Asta	118	nod	64	10		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	98.6	6302.6	-62.9	-27865.1	-5213.7	-227916.9
34.	98.6	4585.7	-62.9	-27865.1	-3058.1	-41455.1
69.	98.6	2868.9	-62.9	-27865.1	-902.5	86204.4
103.	98.6	1152.0	-62.9	-27865.1	1253.1	155061.8
137.	98.6	-564.8	-62.9	-27865.1	3408.7	165116.9
171.	98.6	-2281.7	-62.9	-27865.1	5564.3	116369.8
206.	98.6	-3998.6	-62.9	-27865.1	7719.9	8820.4
240.	98.6	-5715.4	-62.9	-27865.1	9875.5	-157531.1
274.	98.6	-7432.3	-62.9	-27865.1	12031.1	-382684.9
Asta	119	nod	2	4		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	176.0	10272.3	47.6	25914.4	8615.7	-715802.4
50.	176.0	7787.9	47.6	25914.4	6257.1	-268247.0
99.	176.0	5303.5	47.6	25914.4	3898.5	56174.1
149.	176.0	2819.1	47.6	25914.4	1539.9	257460.9
198.	176.0	334.6	47.6	25914.4	-818.7	335613.5
248.	176.0	-2149.8	47.6	25914.4	-3177.3	290631.8
297.	176.0	-4634.2	47.6	25914.4	-5535.9	122515.7
347.	176.0	-7118.6	47.6	25914.4	-7894.5	-168734.6
397.	176.0	-9603.1	47.6	25914.4	-10253.1	-583119.1
Asta	120	nod	4	6		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-164.4	10335.0	-16.7	1543.8	-6227.2	-728136.8
50.	-164.4	7828.7	-16.7	1543.8	-5389.9	-274043.2
100.	-164.4	5322.3	-16.7	1543.8	-4552.6	54732.6
150.	-164.4	2816.0	-16.7	1543.8	-3715.3	258190.7
200.	-164.4	309.6	-16.7	1543.8	-2878.0	336331.1
250.	-164.4	-2196.7	-16.7	1543.8	-2040.7	289153.7
300.	-164.4	-4703.1	-16.7	1543.8	-1203.4	116658.5
350.	-164.4	-7209.4	-16.7	1543.8	-366.1	-181154.4
400.	-164.4	-9715.8	-16.7	1543.8	471.2	-604285.1
Asta	121	nod	6	8		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	72.8	10360.1	-7.5	32.2	-2034.7	-726125.8
50.	72.8	7838.1	-7.5	32.2	-1656.0	-268325.5
101.	72.8	5316.1	-7.5	32.2	-1277.4	62585.8
151.	72.8	2794.1	-7.5	32.2	-898.8	266607.9
201.	72.8	272.1	-7.5	32.2	-520.2	343740.9
252.	72.8	-2250.0	-7.5	32.2	-141.6	293984.8
302.	72.8	-4772.0	-7.5	32.2	237.1	117339.6
352.	72.8	-7294.0	-7.5	32.2	615.7	-186194.8
403.	72.8	-9816.0	-7.5	32.2	994.3	-616618.2
Asta	122	nod	8	58		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-405.0	7622.5	-2.8	-772.6	-675.0	-407999.9
37.	-405.0	5767.8	-2.8	-772.6	-572.0	-160278.8
74.	-405.0	3913.1	-2.8	-772.6	-469.1	18818.2
111.	-405.0	2058.4	-2.8	-772.6	-366.2	129291.3
148.	-405.0	203.7	-2.8	-772.6	-263.3	171140.3
185.	-405.0	-1651.0	-2.8	-772.6	-160.3	144365.4
222.	-405.0	-3505.7	-2.8	-772.6	-57.4	48966.4
259.	-405.0	-5360.4	-2.8	-772.6	45.5	-115056.5
296.	-405.0	-7215.1	-2.8	-772.6	148.4	-347703.5
Asta	123	nod	58	60		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-70.3	8887.7	1.9	-1472.1	-260.4	-516597.7
44.	-70.3	6660.2	1.9	-1472.1	-345.8	-171142.3
89.	-70.3	4432.7	1.9	-1472.1	-431.2	75327.6
133.	-70.3	2205.2	1.9	-1472.1	-516.6	222811.9
178.	-70.3	-22.4	1.9	-1472.1	-602.1	271310.7
222.	-70.3	-2249.9	1.9	-1472.1	-687.5	220823.9
267.	-70.3	-4477.4	1.9	-1472.1	-772.9	71351.6
311.	-70.3	-6704.9	1.9	-1472.1	-858.4	-177106.3
356.	-70.3	-8932.5	1.9	-1472.1	-943.8	-524549.7
Asta	124	nod	60	62		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-311.1	7346.1	8.2	-2280.9	-547.4	-354759.0
37.	-311.1	5488.3	8.2	-2280.9	-851.6	-116921.7
74.	-311.1	3630.4	8.2	-2280.9	-1155.8	52059.5

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111.	-311.1	1772.6	8.2	-2280.9	-1460.0	152184.7
148.	-311.1	-85.2	8.2	-2280.9	-1764.2	183453.8
185.	-311.1	-1943.1	8.2	-2280.9	-2068.5	145867.0
222.	-311.1	-3800.9	8.2	-2280.9	-2372.7	39424.0
259.	-311.1	-5658.7	8.2	-2280.9	-2676.9	-135874.9
297.	-311.1	-7516.6	8.2	-2280.9	-2981.1	-380029.9

Asta	125	nod	62	64		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-132.0	6306.7	-6.6	-3939.4	-4026.1	-244425.1
34.	-132.0	4621.2	-6.6	-3939.4	-3803.4	-60699.6
67.	-132.0	2935.7	-6.6	-3939.4	-3580.7	66350.2
101.	-132.0	1250.1	-6.6	-3939.4	-3358.0	136724.3
135.	-132.0	-435.4	-6.6	-3939.4	-3135.3	150422.6
168.	-132.0	-2120.9	-6.6	-3939.4	-2912.6	107445.1
202.	-132.0	-3806.4	-6.6	-3939.4	-2689.9	7792.0
235.	-132.0	-5491.9	-6.6	-3939.4	-2467.1	-148536.9
269.	-132.0	-7177.5	-6.6	-3939.4	-2244.4	-361541.5

Asta	126	nod	36	110		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-150.0	3135.0	30.5	9367.9	14043.4	-164607.3
45.	-150.0	2327.5	30.5	9367.9	12684.4	-42895.8
89.	-150.0	1520.0	30.5	9367.9	11325.4	42832.8
134.	-150.0	712.6	30.5	9367.9	9966.5	92578.4
178.	-150.0	-94.9	30.5	9367.9	8607.5	106340.9
223.	-150.0	-902.4	30.5	9367.9	7248.5	84120.5
267.	-150.0	-1709.8	30.5	9367.9	5889.6	25917.1
312.	-150.0	-2517.3	30.5	9367.9	4530.6	-68269.4
357.	-150.0	-3324.8	30.5	9367.9	3171.6	-198438.8

Asta	127	nod	12	10		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-540.5	5452.2	22.2	-7102.9	-635.7	-522218.9
76.	-540.5	4074.0	22.2	-7102.9	-2325.1	-159924.7
152.	-540.5	2695.7	22.2	-7102.9	-4014.5	97536.1
228.	-540.5	1317.5	22.2	-7102.9	-5703.9	250163.5
304.	-540.5	-60.8	22.2	-7102.9	-7393.3	297957.7
380.	-540.5	-1439.0	22.2	-7102.9	-9082.8	240918.5
456.	-540.5	-2817.3	22.2	-7102.9	-10772.2	79045.9
532.	-540.5	-4195.5	22.2	-7102.9	-12461.6	-187659.9
609.	-540.5	-5573.8	22.2	-7102.9	-14151.0	-559199.1

Asta	128	nod	110	12		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-130.1	2263.9	339.3	-6780.3	73341.1	-75431.0
39.	-130.1	1557.2	339.3	-6780.3	60108.8	-920.1
78.	-130.1	850.5	339.3	-6780.3	46876.5	46030.3
117.	-130.1	143.8	339.3	-6780.3	33644.2	65420.2
156.	-130.1	-562.8	339.3	-6780.3	20411.9	57249.5
195.	-130.1	-1269.5	339.3	-6780.3	7179.6	21518.3
234.	-130.1	-1976.2	339.3	-6780.3	-6052.6	-41773.4
273.	-130.1	-2682.9	339.3	-6780.3	-19284.9	-132625.6
312.	-130.1	-3389.6	339.3	-6780.3	-32517.2	-251038.3

Asta	130	nod	38	36		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	788.3	8170.2	-52.4	-2141.7	-2190.0	-620142.5
53.	788.3	6227.5	-52.4	-2141.7	571.9	-240855.1
105.	788.3	4284.8	-52.4	-2141.7	3333.9	36076.9
158.	788.3	2342.1	-52.4	-2141.7	6095.8	210653.5
211.	788.3	399.4	-52.4	-2141.7	8857.7	282874.8
263.	788.3	-1543.3	-52.4	-2141.7	11619.7	252740.6
316.	788.3	-3486.0	-52.4	-2141.7	14381.6	120251.1
369.	788.3	-5428.7	-52.4	-2141.7	17143.5	-114593.8
422.	788.3	-7371.3	-52.4	-2141.7	19905.5	-451794.1

Asta	131	nod	44	42		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	935.2	8633.0	104.2	8395.4	16781.7	-662818.0
58.	935.2	6492.1	104.2	8395.4	10730.0	-223717.5
116.	935.2	4351.2	104.2	8395.4	4678.3	91078.4
174.	935.2	2210.4	104.2	8395.4	-1373.4	281569.7
232.	935.2	69.5	104.2	8395.4	-7425.1	347756.5
290.	935.2	-2071.4	104.2	8395.4	-13476.8	289638.8
348.	935.2	-4212.3	104.2	8395.4	-19528.5	107216.6
406.	935.2	-6353.1	104.2	8395.4	-25580.2	-199510.2
465.	935.2	-8494.0	104.2	8395.4	-31631.9	-630541.6

Asta	132	nod	40	38		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	935.9	8653.5	-45.4	-13332.8	-22352.0	-670434.2
58.	935.9	6512.7	-45.4	-13332.8	-19715.0	-230139.9
116.	935.9	4371.8	-45.4	-13332.8	-17077.9	85849.9
174.	935.9	2230.9	-45.4	-13332.8	-14440.8	277535.2
232.	935.9	90.0	-45.4	-13332.8	-11803.8	344915.9
290.	935.9	-2050.8	-45.4	-13332.8	-9166.7	287992.1
348.	935.9	-4191.7	-45.4	-13332.8	-6529.6	106763.7
406.	935.9	-6332.6	-45.4	-13332.8	-3892.6	-198769.1
465.	935.9	-8473.5	-45.4	-13332.8	-1255.5	-628606.6

Asta	133	nod	46	44		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	450.6	7242.0	-15.9	-13178.5	9275.5	-475287.6

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49.	450.6	5432.9	-15.9	-13178.5	10056.3	-164356.4
98.	450.6	3623.9	-15.9	-13178.5	10837.1	57819.5
147.	450.6	1814.9	-15.9	-13178.5	11617.9	191239.9
196.	450.6	5.9	-15.9	-13178.5	12398.7	235904.9
245.	450.6	-1803.2	-15.9	-13178.5	13179.5	191814.4
294.	450.6	-3612.2	-15.9	-13178.5	13960.3	58968.6
343.	450.6	-5421.2	-15.9	-13178.5	14741.1	-162632.7
393.	450.6	-7230.3	-15.9	-13178.5	15521.9	-472989.3
Asta	134	odi	40	32		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-243.6	3698.8	139.6	-2878.7	14918.0	-262199.5
45.	-243.6	2891.3	139.6	-2878.7	8697.5	-115365.0
89.	-243.6	2083.8	139.6	-2878.7	2476.9	-4513.4
134.	-243.6	1276.3	139.6	-2878.7	-3743.6	70355.2
178.	-243.6	468.9	139.6	-2878.7	-9964.2	109240.7
223.	-243.6	-338.6	139.6	-2878.7	-16184.7	112143.3
267.	-243.6	-1146.1	139.6	-2878.7	-22405.3	79062.9
312.	-243.6	-1953.5	139.6	-2878.7	-28625.9	9999.5
357.	-243.6	-2761.0	139.6	-2878.7	-34846.4	-95046.9
Asta	135	odi	42	30		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-288.0	3316.5	-233.1	-3184.8	-33303.7	-195034.3
45.	-288.0	2509.1	-233.1	-3184.8	-22917.7	-65232.3
89.	-288.0	1701.6	-233.1	-3184.8	-12531.7	28586.6
134.	-288.0	894.1	-233.1	-3184.8	-2145.7	86422.6
178.	-288.0	86.7	-233.1	-3184.8	8240.2	108275.6
223.	-288.0	-720.8	-233.1	-3184.8	18626.2	94145.6
267.	-288.0	-1528.3	-233.1	-3184.8	29012.2	44032.6
312.	-288.0	-2335.8	-233.1	-3184.8	39398.2	-42063.4
357.	-288.0	-3143.2	-233.1	-3184.8	49784.1	-164142.4
Asta	136	odi	50	32		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-508.9	5892.7	-32.4	-9720.7	-23943.9	-377144.4
39.	-508.9	4548.1	-32.4	-9720.7	-22683.6	-173875.1
78.	-508.9	3203.6	-32.4	-9720.7	-21423.2	-22959.5
117.	-508.9	1859.0	-32.4	-9720.7	-20162.9	75602.3
156.	-508.9	514.4	-32.4	-9720.7	-18902.5	121810.4
195.	-508.9	-830.1	-32.4	-9720.7	-17642.2	115664.7
234.	-508.9	-2174.7	-32.4	-9720.7	-16381.8	57165.3
273.	-508.9	-3519.2	-32.4	-9720.7	-15121.5	-53687.9
312.	-508.9	-4863.8	-32.4	-9720.7	-13861.2	-216894.8
Asta	137	odi	52	50		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-867.3	5928.9	23.6	-1800.6	-14769.3	-353716.6
41.	-867.3	4513.2	23.6	-1800.6	-15737.7	-139653.5
82.	-867.3	3097.4	23.6	-1800.6	-16706.2	16362.6
123.	-867.3	1681.6	23.6	-1800.6	-17674.7	114331.8
164.	-867.3	265.8	23.6	-1800.6	-18643.2	154254.1
205.	-867.3	-1150.0	23.6	-1800.6	-19611.7	136129.4
246.	-867.3	-2565.7	23.6	-1800.6	-20580.2	59957.8
287.	-867.3	-3981.5	23.6	-1800.6	-21548.7	-74260.8
328.	-867.3	-5397.3	23.6	-1800.6	-22517.1	-266526.3
Asta	138	odi	30	52		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1163.2	5296.3	79.5	7130.9	2245.3	-280480.0
38.	-1163.2	3969.0	79.5	7130.9	-810.8	-102414.1
77.	-1163.2	2641.7	79.5	7130.9	-3866.8	24633.9
115.	-1163.2	1314.4	79.5	7130.9	-6922.9	100664.1
154.	-1163.2	-12.9	79.5	7130.9	-9978.9	125676.4
192.	-1163.2	-1340.2	79.5	7130.9	-13035.0	99671.0
231.	-1163.2	-2667.5	79.5	7130.9	-16091.0	22647.7
269.	-1163.2	-3994.8	79.5	7130.9	-19147.1	-105393.4
308.	-1163.2	-5322.1	79.5	7130.9	-22203.1	-284452.3
Asta	139	odi	111	2		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-10.5	4489.2	1.7	-137121.0	-2807.1	-210085.8
76.	-10.5	3110.9	1.7	-137121.0	-2934.1	78957.3
152.	-10.5	1732.7	1.7	-137121.0	-3061.1	263167.1
228.	-10.5	354.4	1.7	-137121.0	-3188.1	342543.6
304.	-10.5	-1023.8	1.7	-137121.0	-3315.1	317086.7
380.	-10.5	-2402.1	1.7	-137121.0	-3442.1	186796.5
456.	-10.5	-3780.3	1.7	-137121.0	-3569.1	-48327.0
532.	-10.5	-5158.6	1.7	-137121.0	-3696.0	-388283.9
609.	-10.5	-6536.8	1.7	-137121.0	-3823.0	-833074.1
Asta	140	odi	112	111		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-221.4	3026.1	-199.0	61283.9	-38249.0	-165394.7
39.	-221.4	2319.4	-199.0	61283.9	-30488.4	-61158.7
78.	-221.4	1612.7	-199.0	61283.9	-22727.8	15516.7
117.	-221.4	906.0	-199.0	61283.9	-14967.2	64631.6
156.	-221.4	199.3	-199.0	61283.9	-7206.6	86186.0
195.	-221.4	-507.3	-199.0	61283.9	554.0	80179.8
234.	-221.4	-1214.0	-199.0	61283.9	8314.6	46613.2
273.	-221.4	-1920.7	-199.0	61283.9	16075.2	-14514.0
312.	-221.4	-2627.4	-199.0	61283.9	23835.8	-103201.7
Asta	141	odi	46	112		

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PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	619.3	4397.4	-142.4	176694.6	-17807.9	-421238.5
45.	619.3	3590.0	-142.4	176694.6	-11462.5	-243269.3
89.	619.3	2782.5	-142.4	176694.6	-5117.1	-101283.1
134.	619.3	1975.0	-142.4	176694.6	1228.3	4720.1
178.	619.3	1167.5	-142.4	176694.6	7573.7	74740.3
223.	619.3	360.1	-142.4	176694.6	13919.1	108777.5
267.	619.3	-447.4	-142.4	176694.6	20264.5	106831.8
312.	619.3	-1254.9	-142.4	176694.6	26609.8	68903.0
357.	619.3	-2062.3	-142.4	176694.6	32955.2	-5008.8
Asta 142 nodi 13 11						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	59.5	5863.6	-155.0	17268.2	-1126.6	-41683.3
34.	59.5	3865.2	-155.0	17268.2	4181.9	124923.5
69.	59.5	1866.8	-155.0	17268.2	9490.4	223084.0
103.	59.5	-131.6	-155.0	17268.2	14798.9	252798.2
137.	59.5	-2130.1	-155.0	17268.2	20107.5	214066.2
171.	59.5	-4128.5	-155.0	17268.2	25416.0	106887.9
206.	59.5	-6126.9	-155.0	17268.2	30724.5	-68736.7
240.	59.5	-8125.4	-155.0	17268.2	36033.0	-312807.6
274.	59.5	-10123.8	-155.0	17268.2	41341.5	-625324.7
Asta 143 nodi 15 13						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3014.0	6625.2	-0.2	-1066.6	1280.9	-182377.6
34.	-3014.0	4663.3	-0.2	-1066.6	1286.3	7410.0
67.	-3014.0	2701.3	-0.2	-1066.6	1291.7	131226.6
101.	-3014.0	739.3	-0.2	-1066.6	1297.0	189072.1
135.	-3014.0	-1222.6	-0.2	-1066.6	1302.4	180946.7
168.	-3014.0	-3184.6	-0.2	-1066.6	1307.7	106850.1
202.	-3014.0	-5146.6	-0.2	-1066.6	1313.1	-33217.4
235.	-3014.0	-7108.5	-0.2	-1066.6	1318.4	-239256.0
269.	-3014.0	-9070.5	-0.2	-1066.6	1323.8	-511265.6
Asta 144 nodi 17 15						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-5790.7	9306.9	4.9	-3481.6	2974.9	-466208.7
41.	-5790.7	6918.2	4.9	-3481.6	2773.4	-134100.8
82.	-5790.7	4529.6	4.9	-3481.6	2571.9	100222.2
123.	-5790.7	2141.0	4.9	-3481.6	2370.4	236760.5
164.	-5790.7	-247.7	4.9	-3481.6	2168.9	275513.9
205.	-5790.7	-2636.3	4.9	-3481.6	1967.4	216482.6
246.	-5790.7	-5024.9	4.9	-3481.6	1765.9	59666.5
287.	-5790.7	-7413.6	4.9	-3481.6	1564.4	-194934.5
328.	-5790.7	-9802.2	4.9	-3481.6	1362.9	-547320.2
Asta 145 nodi 19 17						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-6731.8	9941.6	3.0	-5731.7	3172.5	-582828.8
41.	-6731.8	7556.6	3.0	-5731.7	3048.7	-225208.5
82.	-6731.8	5171.6	3.0	-5731.7	2924.9	34925.5
123.	-6731.8	2786.6	3.0	-5731.7	2801.0	197573.0
164.	-6731.8	401.7	3.0	-5731.7	2677.2	262734.0
204.	-6731.8	-1983.3	3.0	-5731.7	2553.4	230408.6
245.	-6731.8	-4368.3	3.0	-5731.7	2429.6	100596.8
286.	-6731.8	-6753.3	3.0	-5731.7	2305.8	-126701.5
327.	-6731.8	-9138.3	3.0	-5731.7	2181.9	-451486.2
Asta 146 nodi 21 19						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-8218.7	9325.6	-0.4	-8073.3	2558.1	-486739.2
41.	-8218.7	6933.3	-0.4	-8073.3	2573.3	-153433.1
82.	-8218.7	4541.0	-0.4	-8073.3	2588.5	81789.3
123.	-8218.7	2148.7	-0.4	-8073.3	2603.6	218928.2
164.	-8218.7	-243.6	-0.4	-8073.3	2618.8	257983.5
205.	-8218.7	-2635.9	-0.4	-8073.3	2634.0	198955.1
246.	-8218.7	-5028.1	-0.4	-8073.3	2649.2	41843.2
287.	-8218.7	-7420.4	-0.4	-8073.3	2664.3	-213352.4
328.	-8218.7	-9812.7	-0.4	-8073.3	2679.5	-566631.5
Asta 147 nodi 23 21						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-11636.7	8495.3	-24.3	-9482.2	-4943.3	-349407.6
41.	-11636.7	6113.9	-24.3	-9482.2	-3950.0	-51287.8
82.	-11636.7	3732.6	-24.3	-9482.2	-2956.6	149643.5
122.	-11636.7	1351.3	-24.3	-9482.2	-1963.3	253386.2
163.	-11636.7	-1030.1	-24.3	-9482.2	-969.9	259940.3
204.	-11636.7	-3411.4	-24.3	-9482.2	23.4	169305.9
245.	-11636.7	-5792.8	-24.3	-9482.2	1016.8	-18517.0
286.	-11636.7	-8174.1	-24.3	-9482.2	2010.1	-303528.5
327.	-11636.7	-10555.5	-24.3	-9482.2	3003.4	-685728.5
Asta 148 nodi 25 23						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-16708.8	8680.2	-35.0	-9713.9	-15850.8	-369944.5
41.	-16708.8	6280.7	-35.0	-9713.9	-14410.3	-62310.8
82.	-16708.8	3881.1	-35.0	-9713.9	-12969.9	146640.2
123.	-16708.8	1481.5	-35.0	-9713.9	-11529.5	256908.7
165.	-16708.8	-918.1	-35.0	-9713.9	-10089.1	268494.5
206.	-16708.8	-3317.6	-35.0	-9713.9	-8648.6	181397.8
247.	-16708.8	-5717.2	-35.0	-9713.9	-7208.2	-4381.5
288.	-16708.8	-8116.8	-35.0	-9713.9	-5767.8	-288843.4
329.	-16708.8	-10516.4	-35.0	-9713.9	-4327.3	-671987.8

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Asta	149	nod	55	25		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-24155.1	9584.5	247.5	17153.3	35290.5	-368485.3
45.	-24155.1	6966.1	247.5	17153.3	24185.6	2870.4
90.	-24155.1	4347.8	247.5	17153.3	13080.6	256726.1
135.	-24155.1	1729.4	247.5	17153.3	1975.7	393081.9
180.	-24155.1	-889.0	247.5	17153.3	-9129.2	411937.8
224.	-24155.1	-3507.4	247.5	17153.3	-20234.2	313293.7
269.	-24155.1	-6125.8	247.5	17153.3	-31339.1	97149.7
314.	-24155.1	-8744.2	247.5	17153.3	-42444.0	-236494.2
359.	-24155.1	-11362.5	247.5	17153.3	-53548.9	-687638.1

Asta	150	nod	105	55		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-9674.1	25359.3	195.3	-14619.3	37131.9	-1495153.1
19.	-9674.1	24265.3	195.3	-14619.3	33469.7	-1029922.8
38.	-9674.1	23171.2	195.3	-14619.3	29807.5	-585205.6
56.	-9674.1	22077.2	195.3	-14619.3	26145.3	-161001.5
75.	-9674.1	20983.2	195.3	-14619.3	22483.1	242689.6
94.	-9674.1	19889.1	195.3	-14619.3	18821.0	625867.5
113.	-9674.1	18795.1	195.3	-14619.3	15158.8	988532.3
131.	-9674.1	17701.1	195.3	-14619.3	11496.6	1330684.0
150.	-9674.1	16607.0	195.3	-14619.3	7834.4	1652322.7

Asta	151	nod	27	29		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-8828.0	7309.2	135.5	4917.3	9322.4	-348555.2
44.	-8828.0	5347.7	135.5	4917.3	3429.9	-73268.7
87.	-8828.0	3386.1	135.5	4917.3	-2462.6	116690.4
131.	-8828.0	1424.6	135.5	4917.3	-8355.0	221322.1
174.	-8828.0	-537.0	135.5	4917.3	-14247.5	240626.4
218.	-8828.0	-2498.5	135.5	4917.3	-20140.0	174603.2
261.	-8828.0	-4460.1	135.5	4917.3	-26032.5	23252.7
305.	-8828.0	-6421.6	135.5	4917.3	-31924.9	-213425.3
348.	-8828.0	-8383.2	135.5	4917.3	-37817.4	-535430.7

Asta	152	nod	47	27		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-13056.9	7511.9	383.4	27125.6	80907.2	-323436.9
45.	-13056.9	5488.3	383.4	27125.6	63701.0	-31744.8
90.	-13056.9	3464.8	383.4	27125.6	46494.9	169140.5
135.	-13056.9	1441.2	383.4	27125.6	29288.7	279218.8
180.	-13056.9	-582.3	383.4	27125.6	12082.5	298490.1
224.	-13056.9	-2605.9	383.4	27125.6	-5123.6	226954.6
269.	-13056.9	-4629.4	383.4	27125.6	-22329.8	64612.1
314.	-13056.9	-6653.0	383.4	27125.6	-39535.9	-188537.4
359.	-13056.9	-8676.5	383.4	27125.6	-56742.1	-532493.8

Asta	153	nod	106	47		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-4410.7	13215.5	-228.5	40752.9	22558.9	-702225.3
19.	-4410.7	12370.0	-228.5	40752.9	26843.5	-462360.8
38.	-4410.7	11524.5	-228.5	40752.9	31128.1	-238349.4
56.	-4410.7	10679.0	-228.5	40752.9	35412.7	-30191.0
75.	-4410.7	9833.5	-228.5	40752.9	39697.3	162114.3
94.	-4410.7	8988.0	-228.5	40752.9	43981.9	338566.7
113.	-4410.7	8142.5	-228.5	40752.9	48266.5	499165.9
131.	-4410.7	7297.1	-228.5	40752.9	52551.1	643912.2
150.	-4410.7	6451.6	-228.5	40752.9	56835.7	772805.3

Asta	154	nod	53	104		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2624.1	9412.0	7.2	-18231.4	17138.5	-567678.0
56.	-2624.1	6898.0	7.2	-18231.4	16737.1	-113036.3
112.	-2624.1	4384.1	7.2	-18231.4	16335.7	201453.2
167.	-2624.1	1870.2	7.2	-18231.4	15934.4	375790.6
223.	-2624.1	-643.8	7.2	-18231.4	15533.0	409975.7
279.	-2624.1	-3157.7	7.2	-18231.4	15131.6	304008.8
335.	-2624.1	-5671.7	7.2	-18231.4	14730.3	57889.6
390.	-2624.1	-8185.6	7.2	-18231.4	14328.9	-328381.7
446.	-2624.1	-10699.5	7.2	-18231.4	13927.5	-854805.3

Asta	156	nod	31	53		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-5554.7	9995.1	-98.2	-21298.4	-20885.0	-737613.9
55.	-5554.7	7515.0	-98.2	-21298.4	-15484.2	-256088.3
110.	-5554.7	5034.8	-98.2	-21298.4	-10083.5	89030.7
165.	-5554.7	2554.7	-98.2	-21298.4	-4682.7	297743.1
220.	-5554.7	74.6	-98.2	-21298.4	718.1	370048.8
275.	-5554.7	-2405.5	-98.2	-21298.4	6118.8	305947.9
330.	-5554.7	-4885.7	-98.2	-21298.4	11519.6	105440.4
385.	-5554.7	-7365.8	-98.2	-21298.4	16920.4	-231473.8
440.	-5554.7	-9845.9	-98.2	-21298.4	22321.1	-704794.6

Asta	157	nod	14	12		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-203.9	6230.1	-20.2	24347.3	25314.8	-111991.4
34.	-203.9	4231.6	-20.2	24347.3	26006.8	67164.8
69.	-203.9	2233.2	-20.2	24347.3	26698.8	177874.6
103.	-203.9	234.8	-20.2	24347.3	27390.8	220138.2
137.	-203.9	-1763.7	-20.2	24347.3	28082.7	193955.6
171.	-203.9	-3762.1	-20.2	24347.3	28774.7	99326.6
206.	-203.9	-5760.5	-20.2	24347.3	29466.7	-63748.7

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240.	-203.9	-7759.0	-20.2	24347.3	30158.7	-295270.2
274.	-203.9	-9757.4	-20.2	24347.3	30850.7	-595238.0
Asta	158	nodì	16	14		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-580.2	7306.1	-15.8	1064.7	18829.5	-270925.8
34.	-580.2	5344.1	-15.8	1064.7	19361.8	-58244.5
67.	-580.2	3382.2	-15.8	1064.7	19894.2	88465.9
101.	-580.2	1420.2	-15.8	1064.7	20426.5	169205.1
135.	-580.2	-541.8	-15.8	1064.7	20958.8	183973.4
168.	-580.2	-2503.7	-15.8	1064.7	21491.1	132770.6
202.	-580.2	-4465.7	-15.8	1064.7	22023.5	15596.8
235.	-580.2	-6427.7	-15.8	1064.7	22555.8	-167548.0
269.	-580.2	-8389.6	-15.8	1064.7	23088.1	-416663.9
Asta	159	nodì	18	16		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-773.0	9757.4	-15.6	-3916.2	13116.1	-539624.5
41.	-773.0	7368.8	-15.6	-3916.2	13755.0	-189072.2
82.	-773.0	4980.2	-15.6	-3916.2	14393.9	63695.3
123.	-773.0	2591.5	-15.6	-3916.2	15032.8	218678.0
164.	-773.0	202.9	-15.6	-3916.2	15671.7	275876.0
205.	-773.0	-2185.8	-15.6	-3916.2	16310.6	235289.1
246.	-773.0	-4574.4	-15.6	-3916.2	16949.5	96917.5
287.	-773.0	-6963.0	-15.6	-3916.2	17588.4	-139239.0
328.	-773.0	-9351.7	-15.6	-3916.2	18227.3	-473180.2
Asta	160	nodì	20	18		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1472.6	10462.9	-4.7	-5706.8	11808.7	-670302.4
41.	-1472.6	8077.9	-4.7	-5706.8	12002.5	-291375.2
82.	-1472.6	5692.9	-4.7	-5706.8	12196.4	-9934.4
123.	-1472.6	3307.9	-4.7	-5706.8	12390.2	174019.9
164.	-1472.6	922.9	-4.7	-5706.8	12584.1	260487.8
204.	-1472.6	-1462.1	-4.7	-5706.8	12777.9	249469.3
245.	-1472.6	-3847.1	-4.7	-5706.8	12971.8	140964.3
286.	-1472.6	-6232.0	-4.7	-5706.8	13165.6	-65027.2
327.	-1472.6	-8617.0	-4.7	-5706.8	13359.5	-368505.0
Asta	161	nodì	22	20		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2085.4	9943.2	-26.9	-6122.6	4751.8	-593248.7
41.	-2085.4	7551.0	-26.9	-6122.6	5853.9	-234617.7
82.	-2085.4	5158.7	-26.9	-6122.6	6956.1	25929.7
123.	-2085.4	2766.4	-26.9	-6122.6	8058.3	188393.5
164.	-2085.4	374.1	-26.9	-6122.6	9160.5	252773.7
205.	-2085.4	-2018.2	-26.9	-6122.6	10262.6	219070.3
246.	-2085.4	-4410.5	-26.9	-6122.6	11364.8	87283.3
287.	-2085.4	-6802.7	-26.9	-6122.6	12467.0	-142587.3
328.	-2085.4	-9195.0	-26.9	-6122.6	13569.2	-470541.5
Asta	162	nodì	24	22		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2322.5	9278.9	-101.5	-4105.6	-22501.8	-483222.5
41.	-2322.5	6897.6	-101.5	-4105.6	-18359.0	-153119.9
82.	-2322.5	4516.3	-101.5	-4105.6	-14216.1	79794.1
122.	-2322.5	2134.9	-101.5	-4105.6	-10073.3	215519.6
163.	-2322.5	-246.4	-101.5	-4105.6	-5930.5	254056.5
204.	-2322.5	-2627.8	-101.5	-4105.6	-1787.6	195404.9
245.	-2322.5	-5009.1	-101.5	-4105.6	2355.2	39564.7
286.	-2322.5	-7390.5	-101.5	-4105.6	6498.1	-213464.0
327.	-2322.5	-9771.8	-101.5	-4105.6	10640.9	-563681.2
Asta	163	nodì	26	24		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2154.0	9435.6	-312.3	-82.2	-115790.3	-486457.1
41.	-2154.0	7036.0	-312.3	-82.2	-102945.8	-147760.8
82.	-2154.0	4636.4	-312.3	-82.2	-90101.3	92252.9
123.	-2154.0	2236.8	-312.3	-82.2	-77256.8	233584.1
165.	-2154.0	-162.7	-312.3	-82.2	-64412.3	276232.6
206.	-2154.0	-2562.3	-312.3	-82.2	-51567.8	220198.6
247.	-2154.0	-4961.9	-312.3	-82.2	-38723.3	65482.0
288.	-2154.0	-7361.5	-312.3	-82.2	-25878.8	-187917.2
329.	-2154.0	-9761.0	-312.3	-82.2	-13034.3	-539998.9
Asta	164	nodì	56	26		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2399.5	12863.0	649.7	-15740.6	92710.8	-1127581.5
45.	-2399.5	10244.6	649.7	-15740.6	63556.5	-609104.5
90.	-2399.5	7626.2	649.7	-15740.6	34402.1	-208127.4
135.	-2399.5	5007.8	649.7	-15740.6	5247.8	75349.8
180.	-2399.5	2389.5	649.7	-15740.6	-23906.6	241327.0
224.	-2399.5	-228.9	649.7	-15740.6	-53060.9	289804.3
269.	-2399.5	-2847.3	649.7	-15740.6	-82215.2	220781.6
314.	-2399.5	-5465.7	649.7	-15740.6	-111369.6	34259.0
359.	-2399.5	-8084.1	649.7	-15740.6	-140523.9	-269763.5
Asta	165	nodì	111	56		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	200.7	-7116.6	-210.9	-106884.1	26643.0	198405.0
19.	200.7	-8210.6	-210.9	-106884.1	30596.6	54712.5
38.	200.7	-9304.6	-210.9	-106884.1	34550.3	-109493.1
56.	200.7	-10398.7	-210.9	-106884.1	38503.9	-294211.8
75.	200.7	-11492.7	-210.9	-106884.1	42457.6	-499443.6

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94.	200.7	-12586.7	-210.9	-106884.1	46411.2	-725188.5
113.	200.7	-13680.8	-210.9	-106884.1	50364.9	-971446.5
131.	200.7	-14774.8	-210.9	-106884.1	54318.5	-1238217.5
150.	200.7	-15868.8	-210.9	-106884.1	58272.2	-1525501.7
Asta	166	nod	28	30		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1805.9	7804.4	393.2	-26192.0	78778.4	-430015.2
44.	-1805.9	5842.8	393.2	-26192.0	61676.2	-133187.6
87.	-1805.9	3881.3	393.2	-26192.0	44574.0	78312.7
131.	-1805.9	1919.8	393.2	-26192.0	27471.8	204485.5
174.	-1805.9	-41.8	393.2	-26192.0	10369.6	245331.0
218.	-1805.9	-2003.3	393.2	-26192.0	-6732.6	200849.0
261.	-1805.9	-3964.9	393.2	-26192.0	-23834.8	71039.6
305.	-1805.9	-5926.4	393.2	-26192.0	-40937.0	-144097.3
348.	-1805.9	-7888.0	393.2	-26192.0	-58039.2	-444561.5
Asta	167	nod	48	28		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1732.7	9647.5	-217.7	21232.9	-36977.3	-815069.8
45.	-1732.7	7624.0	-217.7	21232.9	-27208.0	-427539.8
90.	-1732.7	5600.4	-217.7	21232.9	-17438.6	-130816.8
135.	-1732.7	3576.9	-217.7	21232.9	-7669.3	75099.3
180.	-1732.7	1553.3	-217.7	21232.9	2100.0	190208.4
224.	-1732.7	-470.2	-217.7	21232.9	11869.4	214510.7
269.	-1732.7	-2493.8	-217.7	21232.9	21638.7	148006.0
314.	-1732.7	-4517.3	-217.7	21232.9	31408.1	-9305.7
359.	-1732.7	-6540.9	-217.7	21232.9	41177.4	-257424.3
Asta	168	nod	112	48		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-56.6	-5088.4	840.6	-160385.9	71204.2	115410.7
19.	-56.6	-5933.9	840.6	-160385.9	55442.4	12076.6
38.	-56.6	-6779.4	840.6	-160385.9	39680.6	-107110.5
56.	-56.6	-7624.9	840.6	-160385.9	23918.8	-242150.6
75.	-56.6	-8470.4	840.6	-160385.9	8157.0	-393043.8
94.	-56.6	-9315.9	840.6	-160385.9	-7604.8	-559790.0
113.	-56.6	-10161.4	840.6	-160385.9	-23366.6	-742389.3
131.	-56.6	-11006.9	840.6	-160385.9	-39128.4	-940841.6
150.	-56.6	-11852.4	840.6	-160385.9	-54890.2	-1155146.9
Asta	169	nod	54	110		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-362.9	9682.2	-108.3	-17551.3	26443.5	-639319.8
56.	-362.9	7168.3	-108.3	-17551.3	32483.0	-169612.4
112.	-362.9	4654.3	-108.3	-17551.3	38522.5	159942.8
167.	-362.9	2140.4	-108.3	-17551.3	44561.9	349345.7
223.	-362.9	-373.5	-108.3	-17551.3	50601.4	398596.6
279.	-362.9	-2887.5	-108.3	-17551.3	56640.9	307695.2
335.	-362.9	-5401.4	-108.3	-17551.3	62680.3	76641.7
390.	-362.9	-7915.4	-108.3	-17551.3	68719.8	-294564.0
446.	-362.9	-10429.3	-108.3	-17551.3	74759.3	-805921.9
Asta	170	nod	32	54		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-347.9	10208.6	-181.4	-6558.6	-53830.2	-766832.0
55.	-347.9	7728.5	-181.4	-6558.6	-43853.9	-273560.9
110.	-347.9	5248.4	-181.4	-6558.6	-33877.5	83303.5
165.	-347.9	2768.3	-181.4	-6558.6	-23901.2	303761.3
220.	-347.9	288.1	-181.4	-6558.6	-13924.8	387812.5
275.	-347.9	-2192.0	-181.4	-6558.6	-3948.5	335457.0
330.	-347.9	-4672.1	-181.4	-6558.6	6027.9	146694.9
385.	-347.9	-7152.2	-181.4	-6558.6	16004.2	-178473.8
440.	-347.9	-9632.3	-181.4	-6558.6	25980.6	-640049.2
Asta	171	nod	71	70		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	592.4	7221.6	-50.6	-7375.3	36127.8	-198287.8
34.	592.4	5126.0	-50.6	-7375.3	37860.4	13164.3
69.	592.4	3030.3	-50.6	-7375.3	39592.9	152840.0
103.	592.4	934.6	-50.6	-7375.3	41325.4	220739.4
137.	592.4	-1161.0	-50.6	-7375.3	43057.9	216862.5
171.	592.4	-3256.7	-50.6	-7375.3	44790.5	141209.3
206.	592.4	-5352.3	-50.6	-7375.3	46523.0	-6220.2
240.	592.4	-7448.0	-50.6	-7375.3	48255.5	-225426.0
274.	592.4	-9543.7	-50.6	-7375.3	49988.0	-516408.1
Asta	172	nod	72	71		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	446.3	8210.3	-20.6	-3965.0	28156.2	-368417.5
34.	446.3	6152.9	-20.6	-3965.0	28849.6	-126936.6
67.	446.3	4095.5	-20.6	-3965.0	29542.9	45363.7
101.	446.3	2038.0	-20.6	-3965.0	30236.3	148483.3
135.	446.3	-19.4	-20.6	-3965.0	30929.7	182422.2
168.	446.3	-2076.8	-20.6	-3965.0	31623.0	147180.6
202.	446.3	-4134.2	-20.6	-3965.0	32316.4	42758.3
235.	446.3	-6191.6	-20.6	-3965.0	33009.8	-130844.7
269.	446.3	-8249.0	-20.6	-3965.0	33703.1	-373628.3
Asta	173	nod	73	72		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-443.3	10438.0	-22.1	-3204.0	21406.9	-582392.1
41.	-443.3	7933.1	-22.1	-3204.0	22313.5	-206358.9
82.	-443.3	5428.3	-22.1	-3204.0	23220.1	67132.2

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123.	-443.3	2923.4	-22.1	-3204.0	24126.7	238081.0
164.	-443.3	418.6	-22.1	-3204.0	25033.2	306487.7
205.	-443.3	-2086.3	-22.1	-3204.0	25939.8	272352.1
246.	-443.3	-4591.1	-22.1	-3204.0	26846.4	135674.4
287.	-443.3	-7096.0	-22.1	-3204.0	27753.0	-103545.5
328.	-443.3	-9600.8	-22.1	-3204.0	28659.5	-445307.7

Asta	174	nod	74	73		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-944.0	6130.3	-70.0	-5888.5	3605.5	-423926.6
41.	-944.0	4806.5	-70.0	-5888.5	6466.6	-200404.5
82.	-944.0	3482.7	-70.0	-5888.5	9327.7	-30993.8
123.	-944.0	2158.9	-70.0	-5888.5	12188.7	84305.7
164.	-944.0	835.0	-70.0	-5888.5	15049.8	145493.9
204.	-944.0	-488.8	-70.0	-5888.5	17910.9	152570.8
245.	-944.0	-1812.6	-70.0	-5888.5	20771.9	105536.5
286.	-944.0	-3136.4	-70.0	-5888.5	23633.0	4390.9
327.	-944.0	-4460.2	-70.0	-5888.5	26494.1	-150866.1

Asta	175	nod	75	74		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	44.8	5655.5	-82.8	-3209.4	-18059.0	-361785.9
41.	44.8	4327.7	-82.8	-3209.4	-14665.8	-157129.8
82.	44.8	2999.8	-82.8	-3209.4	-11272.7	-6916.4
123.	44.8	1671.9	-82.8	-3209.4	-7879.5	88854.2
164.	44.8	344.1	-82.8	-3209.4	-4486.4	130182.1
205.	44.8	-983.8	-82.8	-3209.4	-1093.3	117067.2
246.	44.8	-2311.7	-82.8	-3209.4	2299.9	49509.6
287.	44.8	-3639.6	-82.8	-3209.4	5693.0	-72490.7
328.	44.8	-4967.4	-82.8	-3209.4	9086.2	-248933.8

Asta	176	nod	76	75		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	340.0	5183.9	-80.2	791.3	-41568.9	-281810.0
41.	340.0	3862.1	-80.2	791.3	-38293.9	-97217.0
82.	340.0	2540.3	-80.2	791.3	-35019.0	33430.1
122.	340.0	1218.5	-80.2	791.3	-31744.0	110131.2
163.	340.0	-103.3	-80.2	791.3	-28469.0	132886.4
204.	340.0	-1425.1	-80.2	791.3	-25194.1	101695.7
245.	340.0	-2746.9	-80.2	791.3	-21919.1	16559.1
286.	340.0	-4068.7	-80.2	791.3	-18644.1	-122523.5
327.	340.0	-5390.5	-80.2	791.3	-15369.2	-315552.0

Asta	177	nod	77	76		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	1277.3	10122.9	-7.4	1473.5	-41749.3	-545376.5
41.	1277.3	7606.5	-7.4	1473.5	-41445.1	-180816.0
82.	1277.3	5090.2	-7.4	1473.5	-41140.9	80260.8
123.	1277.3	2573.9	-7.4	1473.5	-40836.7	237854.0
165.	1277.3	57.6	-7.4	1473.5	-40532.5	291963.5
206.	1277.3	-2458.7	-7.4	1473.5	-40228.2	242589.3
247.	1277.3	-4975.1	-7.4	1473.5	-39924.0	89731.5
288.	1277.3	-7491.4	-7.4	1473.5	-39619.8	-166610.0
329.	1277.3	-10007.7	-7.4	1473.5	-39315.6	-526435.2

Asta	178	nod	92	77		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	1983.3	12007.3	75.0	-2633.4	-12624.6	-822214.5
45.	1983.3	9261.5	75.0	-2633.4	-15988.1	-344995.0
90.	1983.3	6515.8	75.0	-2633.4	-19351.5	9007.9
135.	1983.3	3770.0	75.0	-2633.4	-22714.9	239794.4
180.	1983.3	1024.2	75.0	-2633.4	-26078.3	347364.3
224.	1983.3	-1721.6	75.0	-2633.4	-29441.8	331717.7
269.	1983.3	-4467.3	75.0	-2633.4	-32805.2	192854.6
314.	1983.3	-7213.1	75.0	-2633.4	-36168.6	-69225.0
359.	1983.3	-9958.9	75.0	-2633.4	-39532.1	-454521.1

Asta	179	nod	108	92		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-42.5	-257.7	297.5	-6971.7	31142.2	61966.6
19.	-42.5	-1405.0	297.5	-6971.7	25564.1	46379.2
38.	-42.5	-2552.2	297.5	-6971.7	19986.1	9280.6
56.	-42.5	-3699.5	297.5	-6971.7	14408.0	-49329.0
75.	-42.5	-4846.7	297.5	-6971.7	8829.9	-129449.8
94.	-42.5	-5994.0	297.5	-6971.7	3251.9	-231081.6
113.	-42.5	-7141.3	297.5	-6971.7	-2326.2	-354224.6
131.	-42.5	-8288.5	297.5	-6971.7	-7904.3	-498878.6
150.	-42.5	-9435.8	297.5	-6971.7	-13482.3	-665043.7

Asta	180	nod	78	79		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	245.1	4217.8	-88.7	8285.4	-42353.5	-228090.7
44.	245.1	3138.9	-88.7	8285.4	-38495.4	-68081.9
87.	245.1	2060.0	-88.7	8285.4	-34637.3	44995.6
131.	245.1	981.2	-88.7	8285.4	-30779.2	111141.9
174.	245.1	-97.7	-88.7	8285.4	-26921.1	130356.8
218.	245.1	-1176.6	-88.7	8285.4	-23063.0	102640.4
261.	245.1	-2255.5	-88.7	8285.4	-19204.9	27992.8
305.	245.1	-3334.4	-88.7	8285.4	-15346.8	-93586.2
348.	245.1	-4413.2	-88.7	8285.4	-11488.7	-262096.5

Asta	181	nod	88	78		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	843.6	5145.5	129.1	-843.0	-5545.8	-383164.5

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45.	843.6	4032.5	129.1	-843.0	-11340.1	-177234.3
90.	843.6	2919.5	129.1	-843.0	-17134.3	-21249.1
135.	843.6	1806.5	129.1	-843.0	-22928.6	84790.9
180.	843.6	693.5	129.1	-843.0	-28722.9	140885.8
224.	843.6	-419.4	129.1	-843.0	-34517.2	147035.6
269.	843.6	-1532.4	129.1	-843.0	-40311.5	103240.3
314.	843.6	-2645.4	129.1	-843.0	-46105.7	9499.9
359.	843.6	-3758.4	129.1	-843.0	-51900.0	-134185.6
Asta	182	nodì	107	88		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	16.8	-1267.8	598.4	-85231.4	67774.7	51580.5
19.	16.8	-1732.8	598.4	-85231.4	56553.9	23449.9
38.	16.8	-2197.9	598.4	-85231.4	45333.2	-13400.1
56.	16.8	-2662.9	598.4	-85231.4	34112.4	-58969.5
75.	16.8	-3127.9	598.4	-85231.4	22891.6	-113258.3
94.	16.8	-3593.0	598.4	-85231.4	11670.8	-176266.6
113.	16.8	-4058.0	598.4	-85231.4	450.1	-247994.2
131.	16.8	-4523.0	598.4	-85231.4	-10770.7	-328441.2
150.	16.8	-4988.1	598.4	-85231.4	-21991.5	-417607.6
Asta	183	nodì	91	109		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2866.1	5283.1	-388.1	-15924.7	17284.5	-320001.5
56.	-2866.1	3900.4	-388.1	-15924.7	38923.5	-64012.1
112.	-2866.1	2517.7	-388.1	-15924.7	60562.4	114891.7
167.	-2866.1	1135.0	-388.1	-15924.7	82201.4	216709.8
223.	-2866.1	-247.7	-388.1	-15924.7	103840.3	241442.2
279.	-2866.1	-1630.4	-388.1	-15924.7	125479.3	189088.9
335.	-2866.1	-3013.1	-388.1	-15924.7	147118.2	59649.9
390.	-2866.1	-4395.8	-388.1	-15924.7	168757.2	-146874.9
446.	-2866.1	-5778.5	-388.1	-15924.7	190396.1	-430485.3
Asta	185	nodì	80	91		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2757.6	5835.0	-380.4	-19830.0	-132606.6	-467114.9
55.	-2757.6	4470.9	-380.4	-19830.0	-111687.0	-183702.4
110.	-2757.6	3106.8	-380.4	-19830.0	-90767.4	24684.4
165.	-2757.6	1742.7	-380.4	-19830.0	-69847.8	158045.6
220.	-2757.6	378.6	-380.4	-19830.0	-48928.2	216381.3
275.	-2757.6	-985.5	-380.4	-19830.0	-28008.6	199691.3
330.	-2757.6	-2349.6	-380.4	-19830.0	-7089.1	107975.8
385.	-2757.6	-3713.7	-380.4	-19830.0	13830.5	-58765.4
440.	-2757.6	-5077.8	-380.4	-19830.0	34750.1	-300532.1
Asta	186	nodì	113	97		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	0.0	0.0	0.0	0.0	0.0
19.	0.0	-74.6	0.0	0.0	0.0	-699.8
38.	0.0	-149.3	0.0	0.0	0.0	-2799.3
56.	0.0	-223.9	0.0	0.0	0.0	-6298.5
75.	0.0	-298.6	0.0	0.0	0.0	-11197.3
94.	0.0	-373.2	0.0	0.0	0.0	-17495.7
113.	0.0	-447.9	0.0	0.0	0.0	-25193.8
131.	0.0	-522.5	0.0	0.0	0.0	-34291.6
150.	0.0	-597.2	0.0	0.0	0.0	-44789.1
Asta	187	nodì	97	98		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1064.1	1854.7	5.7	-1689.8	-3371.6	-229066.0
45.	-1064.1	1676.0	5.7	-1689.8	-3628.2	-149847.0
90.	-1064.1	1497.3	5.7	-1689.8	-3884.7	-78645.4
135.	-1064.1	1318.7	5.7	-1689.8	-4141.3	-15461.0
180.	-1064.1	1140.0	5.7	-1689.8	-4397.9	39706.0
224.	-1064.1	961.4	5.7	-1689.8	-4654.4	86855.8
269.	-1064.1	782.7	5.7	-1689.8	-4911.0	125988.2
314.	-1064.1	604.0	5.7	-1689.8	-5167.5	157103.3
359.	-1064.1	425.4	5.7	-1689.8	-5424.1	180201.1
Asta	188	nodì	98	99		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1098.7	-231.4	-6.2	980.1	-6206.8	143063.7
41.	-1098.7	-395.1	-6.2	980.1	-5949.9	130180.5
82.	-1098.7	-558.9	-6.2	980.1	-5693.1	110563.9
123.	-1098.7	-722.6	-6.2	980.1	-5436.2	84214.0
165.	-1098.7	-886.3	-6.2	980.1	-5179.3	51130.7
206.	-1098.7	-1050.1	-6.2	980.1	-4922.4	11314.0
247.	-1098.7	-1213.8	-6.2	980.1	-4665.5	-35236.0
288.	-1098.7	-1377.5	-6.2	980.1	-4408.6	-88519.3
329.	-1098.7	-1541.2	-6.2	980.1	-4151.7	-148536.0
Asta	189	nodì	103	102		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1433.8	1590.0	-21.8	-884.0	109.2	-191617.3
41.	-1433.8	1427.0	-21.8	-884.0	1002.2	-129863.0
82.	-1433.8	1264.0	-21.8	-884.0	1895.1	-74780.7
123.	-1433.8	1101.0	-21.8	-884.0	2788.1	-26370.6
164.	-1433.8	938.1	-21.8	-884.0	3681.0	15367.5
205.	-1433.8	775.1	-21.8	-884.0	4574.0	50433.4
246.	-1433.8	612.1	-21.8	-884.0	5466.9	78827.3
287.	-1433.8	449.1	-21.8	-884.0	6359.8	100549.1
328.	-1433.8	286.1	-21.8	-884.0	7252.8	115598.8
Asta	190	nodì	102	101		

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PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1814.8	618.7	-16.5	-2765.7	4689.8	28765.6
34.	-1814.8	484.8	-16.5	-2765.7	5245.7	47317.6
67.	-1814.8	350.9	-16.5	-2765.7	5801.6	61368.3
101.	-1814.8	217.1	-16.5	-2765.7	6357.6	70917.7
135.	-1814.8	83.2	-16.5	-2765.7	6913.5	75965.6
168.	-1814.8	-50.7	-16.5	-2765.7	7469.4	76512.2
202.	-1814.8	-184.5	-16.5	-2765.7	8025.3	72557.5
235.	-1814.8	-318.4	-16.5	-2765.7	8581.2	64101.3
269.	-1814.8	-452.3	-16.5	-2765.7	9137.2	51143.8

Asta	191	nod	101	100		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1298.1	-800.3	-8.3	-3649.6	5318.4	164829.9
34.	-1298.1	-936.6	-8.3	-3649.6	5602.1	135085.9
69.	-1298.1	-1073.0	-8.3	-3649.6	5885.8	100671.6
103.	-1298.1	-1209.3	-8.3	-3649.6	6169.5	61587.0
137.	-1298.1	-1345.7	-8.3	-3649.6	6453.2	17832.2
171.	-1298.1	-1482.0	-8.3	-3649.6	6736.8	-30592.8
206.	-1298.1	-1618.4	-8.3	-3649.6	7020.5	-83688.1
240.	-1298.1	-1754.8	-8.3	-3649.6	7304.2	-141453.7
274.	-1298.1	-1891.1	-8.3	-3649.6	7587.9	-203889.5

Asta	192	nod	114	1		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-44409.3	-5724.9	-4598.4	-27584.3	-572442.0	104118.6
10.	-44369.5	-5724.9	-4598.4	-27584.3	-526457.7	46869.8
20.	-44329.7	-5724.9	-4598.4	-27584.3	-480473.4	-10379.1
30.	-44289.9	-5724.9	-4598.4	-27584.3	-434489.1	-67628.0
40.	-44250.0	-5724.9	-4598.4	-27584.3	-388504.8	-124876.8
50.	-44210.2	-5724.9	-4598.4	-27584.3	-342520.5	-182125.7
60.	-44170.4	-5724.9	-4598.4	-27584.3	-296536.2	-239374.5
70.	-44130.6	-5724.9	-4598.4	-27584.3	-250552.0	-296623.4
80.	-44090.8	-5724.9	-4598.4	-27584.3	-204567.7	-353872.3

Asta	193	nod	115	3		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-58398.1	-1116.2	-65.4	-46.7	-52318.8	147719.8
10.	-58358.3	-1116.2	-65.4	-46.7	-51664.3	136557.8
20.	-58318.5	-1116.2	-65.4	-46.7	-51009.9	125395.8
30.	-58278.7	-1116.2	-65.4	-46.7	-50355.4	114233.8
40.	-58238.8	-1116.2	-65.4	-46.7	-49701.0	103071.8
50.	-58199.0	-1116.2	-65.4	-46.7	-49046.5	91909.8
60.	-58159.2	-1116.2	-65.4	-46.7	-48392.1	80747.8
70.	-58119.4	-1116.2	-65.4	-46.7	-47737.7	69585.8
80.	-58079.6	-1116.2	-65.4	-46.7	-47083.2	58423.8

Asta	194	nod	116	5		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-60352.7	-568.9	3.7	5379.6	-13585.0	63781.3
10.	-60312.9	-568.9	3.7	5379.6	-13622.5	58091.9
20.	-60273.1	-568.9	3.7	5379.6	-13660.0	52402.5
30.	-60233.3	-568.9	3.7	5379.6	-13697.5	46713.1
40.	-60193.5	-568.9	3.7	5379.6	-13735.0	41023.7
50.	-60153.6	-568.9	3.7	5379.6	-13772.5	35334.3
60.	-60113.8	-568.9	3.7	5379.6	-13810.0	29644.9
70.	-60074.0	-568.9	3.7	5379.6	-13847.5	23955.5
80.	-60034.2	-568.9	3.7	5379.6	-13885.0	18266.1

Asta	195	nod	117	7		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-54270.1	1379.3	-3.0	3284.8	-4569.4	68918.2
10.	-54230.3	1379.3	-3.0	3284.8	-4539.2	82711.7
20.	-54190.5	1379.3	-3.0	3284.8	-4509.0	96505.1
30.	-54150.7	1379.3	-3.0	3284.8	-4478.8	110298.6
40.	-54110.9	1379.3	-3.0	3284.8	-4448.6	124092.0
50.	-54071.1	1379.3	-3.0	3284.8	-4418.4	137885.5
60.	-54031.2	1379.3	-3.0	3284.8	-4388.2	151678.9
70.	-53991.4	1379.3	-3.0	3284.8	-4358.0	165472.4
80.	-53951.6	1379.3	-3.0	3284.8	-4327.7	179265.8

Asta	196	nod	118	9		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-35310.9	4006.5	-93.1	9236.8	-284777.4	-175277.1
10.	-35271.1	4006.5	-93.1	9236.8	-283846.6	-135212.5
20.	-35231.3	4006.5	-93.1	9236.8	-282915.7	-95147.8
30.	-35191.5	4006.5	-93.1	9236.8	-281984.9	-55083.1
40.	-35151.7	4006.5	-93.1	9236.8	-281054.0	-15018.4
50.	-35111.9	4006.5	-93.1	9236.8	-280123.1	25046.3
60.	-35072.1	4006.5	-93.1	9236.8	-279192.3	65111.0
70.	-35032.3	4006.5	-93.1	9236.8	-278261.4	105175.7
80.	-34992.4	4006.5	-93.1	9236.8	-277330.6	145240.4

Asta	197	nod	119	11		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-54801.4	2216.7	2512.2	7933.0	377765.5	80487.4
10.	-54761.6	2216.7	2512.2	7933.0	352643.4	102654.1
20.	-54721.8	2216.7	2512.2	7933.0	327521.4	124820.9
30.	-54682.0	2216.7	2512.2	7933.0	302399.3	146987.7
40.	-54642.2	2216.7	2512.2	7933.0	277277.2	169154.5
50.	-54602.4	2216.7	2512.2	7933.0	252155.1	191321.3
60.	-54562.6	2216.7	2512.2	7933.0	227033.1	213488.1
70.	-54522.8	2216.7	2512.2	7933.0	201911.0	235654.9
80.	-54482.9	2216.7	2512.2	7933.0	176788.9	257821.6

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Asta	198	nod	120	13		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-48976.2	4112.6	-180.9	1617.8	9237.6	-9653.7
10.	-48936.4	4112.6	-180.9	1617.8	11046.8	31472.6
20.	-48896.6	4112.6	-180.9	1617.8	12856.0	72598.8
30.	-48856.8	4112.6	-180.9	1617.8	14665.2	113725.1
40.	-48817.0	4112.6	-180.9	1617.8	16474.4	154851.4
50.	-48777.2	4112.6	-180.9	1617.8	18283.6	195977.7
60.	-48737.4	4112.6	-180.9	1617.8	20092.8	237104.0
70.	-48697.6	4112.6	-180.9	1617.8	21902.0	278230.2
80.	-48657.7	4112.6	-180.9	1617.8	23711.2	319356.5
Asta	199	nod	121	15		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-55528.6	3478.0	1.5	2546.1	11112.9	-10443.1
10.	-55488.8	3478.0	1.5	2546.1	11097.9	24336.7
20.	-55448.9	3478.0	1.5	2546.1	11082.9	59116.5
30.	-55409.1	3478.0	1.5	2546.1	11067.9	93896.3
40.	-55369.3	3478.0	1.5	2546.1	11053.0	128676.1
50.	-55329.5	3478.0	1.5	2546.1	11038.0	163455.9
60.	-55289.7	3478.0	1.5	2546.1	11023.0	198235.7
70.	-55249.9	3478.0	1.5	2546.1	11008.0	233015.5
80.	-55210.1	3478.0	1.5	2546.1	10993.0	267795.3
Asta	200	nod	122	17		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-57607.6	707.8	17.1	4428.3	14238.4	-10209.6
10.	-57567.8	707.8	17.1	4428.3	14067.8	-3132.1
20.	-57528.0	707.8	17.1	4428.3	13897.1	3945.4
30.	-57488.2	707.8	17.1	4428.3	13726.4	11022.9
40.	-57448.3	707.8	17.1	4428.3	13555.8	18100.5
50.	-57408.5	707.8	17.1	4428.3	13385.1	25178.0
60.	-57368.7	707.8	17.1	4428.3	13214.4	32255.5
70.	-57328.9	707.8	17.1	4428.3	13043.8	39333.0
80.	-57289.1	707.8	17.1	4428.3	12873.1	46410.5
Asta	201	nod	123	19		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-53535.7	1110.9	38.3	6748.1	19349.6	-15792.5
10.	-53495.9	1110.9	38.3	6748.1	18966.5	-4683.4
20.	-53456.1	1110.9	38.3	6748.1	18583.5	6425.6
30.	-53416.3	1110.9	38.3	6748.1	18200.5	17534.7
40.	-53376.5	1110.9	38.3	6748.1	17817.4	28643.8
50.	-53336.7	1110.9	38.3	6748.1	17434.4	39752.9
60.	-53296.9	1110.9	38.3	6748.1	17051.4	50862.0
70.	-53257.1	1110.9	38.3	6748.1	16668.3	61971.1
80.	-53217.2	1110.9	38.3	6748.1	16285.3	73080.1
Asta	202	nod	124	21		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-53667.9	3359.9	96.1	9024.3	26740.3	-25468.8
10.	-53628.1	3359.9	96.1	9024.3	25779.5	8129.8
20.	-53588.3	3359.9	96.1	9024.3	24818.7	41728.3
30.	-53548.4	3359.9	96.1	9024.3	23857.9	75326.9
40.	-53508.6	3359.9	96.1	9024.3	22897.0	108925.4
50.	-53468.8	3359.9	96.1	9024.3	21936.2	142524.0
60.	-53429.0	3359.9	96.1	9024.3	20975.4	176122.6
70.	-53389.2	3359.9	96.1	9024.3	20014.6	209721.1
80.	-53349.4	3359.9	96.1	9024.3	19053.8	243319.7
Asta	203	nod	125	23		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-59084.2	5065.0	154.9	8185.1	35327.8	-36737.4
10.	-59044.4	5065.0	154.9	8185.1	33778.7	13912.7
20.	-59004.6	5065.0	154.9	8185.1	32229.7	64562.8
30.	-58964.8	5065.0	154.9	8185.1	30680.6	115212.9
40.	-58924.9	5065.0	154.9	8185.1	29131.6	165863.0
50.	-58885.1	5065.0	154.9	8185.1	27582.5	216513.0
60.	-58845.3	5065.0	154.9	8185.1	26033.5	267163.1
70.	-58805.5	5065.0	154.9	8185.1	24484.4	317813.2
80.	-58765.7	5065.0	154.9	8185.1	22935.4	368463.3
Asta	204	nod	126	25		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-63206.3	6460.3	-767.9	-610.5	38193.4	-51307.7
10.	-63166.5	6460.3	-767.9	-610.5	45872.5	13295.2
20.	-63126.7	6460.3	-767.9	-610.5	53551.7	77898.2
30.	-63086.9	6460.3	-767.9	-610.5	61230.8	142501.2
40.	-63047.1	6460.3	-767.9	-610.5	68909.9	207104.2
50.	-63007.3	6460.3	-767.9	-610.5	76589.1	271707.1
60.	-62967.5	6460.3	-767.9	-610.5	84268.2	336310.1
70.	-62927.7	6460.3	-767.9	-610.5	91947.3	400913.1
80.	-62887.8	6460.3	-767.9	-610.5	99626.5	465516.1
Asta	205	nod	127	27		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-46920.4	4048.1	-425.8	-18904.4	38148.5	-35800.7
10.	-46880.6	4048.1	-425.8	-18904.4	42406.7	4680.2
20.	-46840.8	4048.1	-425.8	-18904.4	46664.9	45161.1
30.	-46801.0	4048.1	-425.8	-18904.4	50923.1	85642.0
40.	-46761.2	4048.1	-425.8	-18904.4	55181.2	126122.9
50.	-46721.4	4048.1	-425.8	-18904.4	59439.4	166603.9
60.	-46681.6	4048.1	-425.8	-18904.4	63697.6	207084.8

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70.	-46641.8	4048.1	-425.8	-18904.4	67955.8	247565.7
80.	-46601.9	4048.1	-425.8	-18904.4	72213.9	288046.6
Asta	206	nodì	128	29		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-46413.5	9251.4	-1068.6	-17208.7	-196832.2	-477755.3
10.	-46373.6	9251.4	-1068.6	-17208.7	-186146.2	-385241.5
20.	-46333.8	9251.4	-1068.6	-17208.7	-175460.1	-292727.7
30.	-46294.0	9251.4	-1068.6	-17208.7	-164774.0	-200213.9
40.	-46254.2	9251.4	-1068.6	-17208.7	-154087.9	-107700.2
50.	-46214.4	9251.4	-1068.6	-17208.7	-143401.9	-15186.4
60.	-46174.6	9251.4	-1068.6	-17208.7	-132715.8	77327.4
70.	-46134.8	9251.4	-1068.6	-17208.7	-122029.7	169841.2
80.	-46095.0	9251.4	-1068.6	-17208.7	-111343.6	262355.0
Asta	207	nodì	129	31		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-50162.5	-8990.4	-1125.7	11453.0	-243940.2	446615.0
10.	-50122.7	-8990.4	-1125.7	11453.0	-232682.9	356711.2
20.	-50082.9	-8990.4	-1125.7	11453.0	-221425.7	266807.3
30.	-50043.1	-8990.4	-1125.7	11453.0	-210168.5	176903.5
40.	-50003.3	-8990.4	-1125.7	11453.0	-198911.2	86999.6
50.	-49963.5	-8990.4	-1125.7	11453.0	-187654.0	-2904.2
60.	-49923.7	-8990.4	-1125.7	11453.0	-176396.8	-92808.1
70.	-49883.9	-8990.4	-1125.7	11453.0	-165139.6	-182711.9
80.	-49844.0	-8990.4	-1125.7	11453.0	-153882.3	-272615.8
Asta	208	nodì	146	104		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-41923.0	4827.8	433.7	-12115.9	16251.5	61674.5
10.	-41883.2	4827.8	433.7	-12115.9	11914.2	109953.0
20.	-41843.4	4827.8	433.7	-12115.9	7576.8	158231.5
30.	-41803.6	4827.8	433.7	-12115.9	3239.5	206510.0
40.	-41763.8	4827.8	433.7	-12115.9	-1097.8	254788.4
50.	-41723.9	4827.8	433.7	-12115.9	-5435.1	303066.9
60.	-41684.1	4827.8	433.7	-12115.9	-9772.5	351345.4
70.	-41644.3	4827.8	433.7	-12115.9	-14109.8	399623.8
80.	-41604.5	4827.8	433.7	-12115.9	-18447.1	447902.3
Asta	209	nodì	131	35		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-31042.1	2335.9	-1747.2	2234.3	-4556.3	158409.3
10.	-31002.3	2335.9	-1747.2	2234.3	12915.7	181768.3
20.	-30962.5	2335.9	-1747.2	2234.3	30387.8	205127.4
30.	-30922.7	2335.9	-1747.2	2234.3	47859.8	228486.5
40.	-30882.9	2335.9	-1747.2	2234.3	65331.9	251845.6
50.	-30843.1	2335.9	-1747.2	2234.3	82803.9	275204.6
60.	-30803.3	2335.9	-1747.2	2234.3	100276.0	298563.7
70.	-30763.5	2335.9	-1747.2	2234.3	117748.0	321922.8
80.	-30723.6	2335.9	-1747.2	2234.3	135220.0	345281.8
Asta	210	nodì	132	37		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-51186.0	246.5	-13.8	25610.5	2365.8	76093.8
10.	-51146.2	246.5	-13.8	25610.5	2503.4	78558.5
20.	-51106.4	246.5	-13.8	25610.5	2641.0	81023.1
30.	-51066.6	246.5	-13.8	25610.5	2778.7	83487.7
40.	-51026.8	246.5	-13.8	25610.5	2916.3	85952.3
50.	-50987.0	246.5	-13.8	25610.5	3053.9	88416.9
60.	-50947.2	246.5	-13.8	25610.5	3191.6	90881.5
70.	-50907.3	246.5	-13.8	25610.5	3329.2	93346.2
80.	-50867.5	246.5	-13.8	25610.5	3466.8	95810.8
Asta	211	nodì	133	39		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-35669.4	-3516.3	246.3	14133.1	64837.3	-43101.6
10.	-35629.6	-3516.3	246.3	14133.1	62374.8	-78264.4
20.	-35589.8	-3516.3	246.3	14133.1	59912.2	-113427.2
30.	-35550.0	-3516.3	246.3	14133.1	57449.7	-148590.0
40.	-35510.2	-3516.3	246.3	14133.1	54987.2	-183752.7
50.	-35470.3	-3516.3	246.3	14133.1	52524.6	-218915.5
60.	-35430.5	-3516.3	246.3	14133.1	50062.1	-254078.3
70.	-35390.7	-3516.3	246.3	14133.1	47599.5	-289241.1
80.	-35350.9	-3516.3	246.3	14133.1	45137.0	-324403.9
Asta	212	nodì	134	41		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-34538.8	4629.6	510.0	-7204.8	117570.1	2021.0
10.	-34499.0	4629.6	510.0	-7204.8	112469.7	48317.1
20.	-34459.1	4629.6	510.0	-7204.8	107369.4	94613.1
30.	-34419.3	4629.6	510.0	-7204.8	102269.0	140909.2
40.	-34379.5	4629.6	510.0	-7204.8	97168.7	187205.2
50.	-34339.7	4629.6	510.0	-7204.8	92068.3	233501.3
60.	-34299.9	4629.6	510.0	-7204.8	86968.0	279797.4
70.	-34260.1	4629.6	510.0	-7204.8	81867.6	326093.4
80.	-34220.3	4629.6	510.0	-7204.8	76767.2	372389.5
Asta	213	nodì	135	43		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-49181.7	117.7	108.4	-30365.6	78166.9	-90901.2
10.	-49141.9	117.7	108.4	-30365.6	77082.7	-89723.9
20.	-49102.1	117.7	108.4	-30365.6	75998.4	-88546.6
30.	-49062.2	117.7	108.4	-30365.6	74914.1	-87369.3
40.	-49022.4	117.7	108.4	-30365.6	73829.8	-86192.0

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50.	-48982.6	117.7	108.4	-30365.6	72745.6	-85014.6
60.	-48942.8	117.7	108.4	-30365.6	71661.3	-83837.3
70.	-48903.0	117.7	108.4	-30365.6	70577.0	-82660.0
80.	-48863.2	117.7	108.4	-30365.6	69492.8	-81482.7
Asta	214	nodì	136	45		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-31394.2	-3818.1	3311.0	29034.2	383859.9	-10416.0
10.	-31354.4	-3818.1	3311.0	29034.2	350749.8	-48597.5
20.	-31314.5	-3818.1	3311.0	29034.2	317639.8	-86779.0
30.	-31274.7	-3818.1	3311.0	29034.2	284529.7	-124960.5
40.	-31234.9	-3818.1	3311.0	29034.2	251419.6	-163142.0
50.	-31195.1	-3818.1	3311.0	29034.2	218309.6	-201323.5
60.	-31155.3	-3818.1	3311.0	29034.2	185199.5	-239505.0
70.	-31115.5	-3818.1	3311.0	29034.2	152089.5	-277686.5
80.	-31075.7	-3818.1	3311.0	29034.2	118979.4	-315867.9
Asta	215	nodì	137	47		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-41517.9	-9171.6	-273.6	-7410.4	13193.8	-24915.0
10.	-41478.1	-9171.6	-273.6	-7410.4	15929.9	-116630.7
20.	-41438.3	-9171.6	-273.6	-7410.4	18666.1	-208346.5
30.	-41398.4	-9171.6	-273.6	-7410.4	21402.2	-300062.2
40.	-41358.6	-9171.6	-273.6	-7410.4	24138.3	-391778.0
50.	-41318.8	-9171.6	-273.6	-7410.4	26874.5	-483493.7
60.	-41279.0	-9171.6	-273.6	-7410.4	29610.6	-575209.5
70.	-41239.2	-9171.6	-273.6	-7410.4	32346.7	-666925.3
80.	-41199.4	-9171.6	-273.6	-7410.4	35082.9	-758641.0
Asta	216	nodì	138	49		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-38117.5	-1463.3	-49.9	-459.4	-46580.9	137098.7
10.	-38077.7	-1463.3	-49.9	-459.4	-46082.0	122465.2
20.	-38037.9	-1463.3	-49.9	-459.4	-45583.0	107831.7
30.	-37998.1	-1463.3	-49.9	-459.4	-45084.0	93198.2
40.	-37958.3	-1463.3	-49.9	-459.4	-44585.1	78564.7
50.	-37918.5	-1463.3	-49.9	-459.4	-44086.1	63931.3
60.	-37878.6	-1463.3	-49.9	-459.4	-43587.1	49297.8
70.	-37838.8	-1463.3	-49.9	-459.4	-43088.2	34664.3
80.	-37799.0	-1463.3	-49.9	-459.4	-42589.2	20030.8
Asta	217	nodì	139	51		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-37971.0	3149.5	-55.3	-6715.8	-34374.6	-193706.5
10.	-37931.1	3149.5	-55.3	-6715.8	-33821.5	-162211.2
20.	-37891.3	3149.5	-55.3	-6715.8	-33268.5	-130716.0
30.	-37851.5	3149.5	-55.3	-6715.8	-32715.4	-99220.7
40.	-37811.7	3149.5	-55.3	-6715.8	-32162.4	-67725.5
50.	-37771.9	3149.5	-55.3	-6715.8	-31609.3	-36230.2
60.	-37732.1	3149.5	-55.3	-6715.8	-31056.3	-4735.0
70.	-37692.3	3149.5	-55.3	-6715.8	-30503.2	26760.2
80.	-37652.5	3149.5	-55.3	-6715.8	-29950.2	58255.5
Asta	218	nodì	140	53		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-51959.1	2807.0	170.7	22185.3	29177.2	-27290.1
10.	-51919.3	2807.0	170.7	22185.3	27470.6	780.2
20.	-51879.5	2807.0	170.7	22185.3	25763.9	28850.5
30.	-51839.6	2807.0	170.7	22185.3	24057.3	56920.8
40.	-51799.8	2807.0	170.7	22185.3	22350.6	84991.1
50.	-51760.0	2807.0	170.7	22185.3	20644.0	113061.4
60.	-51720.2	2807.0	170.7	22185.3	18937.3	141131.7
70.	-51680.4	2807.0	170.7	22185.3	17230.7	169202.0
80.	-51640.6	2807.0	170.7	22185.3	15524.0	197272.3
Asta	219	nodì	141	55		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-54345.5	-16443.4	53.8	-9295.1	26837.7	-33680.7
10.	-54305.6	-16443.4	53.8	-9295.1	26300.1	-198114.4
20.	-54265.8	-16443.4	53.8	-9295.1	25762.5	-362548.1
30.	-54226.0	-16443.4	53.8	-9295.1	25225.0	-526981.9
40.	-54186.2	-16443.4	53.8	-9295.1	24687.4	-691415.6
50.	-54146.4	-16443.4	53.8	-9295.1	24149.8	-855849.3
60.	-54106.6	-16443.4	53.8	-9295.1	23612.3	-1020283.1
70.	-54066.8	-16443.4	53.8	-9295.1	23074.7	-1184716.8
80.	-54027.0	-16443.4	53.8	-9295.1	22537.1	-1349150.5
Asta	220	nodì	142	57		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-50320.2	-1445.1	5.3	2513.2	-1772.6	14639.6
10.	-50280.4	-1445.1	5.3	2513.2	-1825.4	188.7
20.	-50240.6	-1445.1	5.3	2513.2	-1878.3	-14262.2
30.	-50200.8	-1445.1	5.3	2513.2	-1931.2	-28713.0
40.	-50160.9	-1445.1	5.3	2513.2	-1984.0	-43163.9
50.	-50121.1	-1445.1	5.3	2513.2	-2036.9	-57614.8
60.	-50081.3	-1445.1	5.3	2513.2	-2089.7	-72065.6
70.	-50041.5	-1445.1	5.3	2513.2	-2142.6	-86516.5
80.	-50001.7	-1445.1	5.3	2513.2	-2195.4	-100967.4
Asta	221	nodì	143	59		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-49788.5	555.8	-0.5	1833.2	-3380.1	20846.0
10.	-49748.7	555.8	-0.5	1833.2	-3375.3	26404.1
20.	-49708.9	555.8	-0.5	1833.2	-3370.6	31962.2

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30.	-49669.1	555.8	-0.5	1833.2	-3365.8	37520.3
40.	-49629.3	555.8	-0.5	1833.2	-3361.1	43078.4
50.	-49589.4	555.8	-0.5	1833.2	-3356.3	48636.5
60.	-49549.6	555.8	-0.5	1833.2	-3351.6	54194.6
70.	-49509.8	555.8	-0.5	1833.2	-3346.8	59752.7
80.	-49470.0	555.8	-0.5	1833.2	-3342.1	65310.8

Asta	222	nodì	144	61		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-41100.2	789.7	30.5	503.9	-9005.9	-54993.3
10.	-41060.4	789.7	30.5	503.9	-9310.5	-47096.0
20.	-41020.6	789.7	30.5	503.9	-9615.1	-39198.8
30.	-40980.8	789.7	30.5	503.9	-9919.7	-31301.5
40.	-40941.0	789.7	30.5	503.9	-10224.3	-23404.2
50.	-40901.2	789.7	30.5	503.9	-10528.9	-15506.9
60.	-40861.3	789.7	30.5	503.9	-10833.5	-7609.6
70.	-40821.5	789.7	30.5	503.9	-11138.1	287.6
80.	-40781.7	789.7	30.5	503.9	-11442.7	8184.9

Asta	223	nodì	145	63		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-40524.1	2066.6	-174.7	9771.8	-45404.4	-179914.5
10.	-40484.3	2066.6	-174.7	9771.8	-43657.5	-159248.6
20.	-40444.5	2066.6	-174.7	9771.8	-41910.5	-138582.7
30.	-40404.6	2066.6	-174.7	9771.8	-40163.5	-117916.8
40.	-40364.8	2066.6	-174.7	9771.8	-38416.6	-97250.8
50.	-40325.0	2066.6	-174.7	9771.8	-36669.6	-76584.9
60.	-40285.2	2066.6	-174.7	9771.8	-34922.6	-55919.0
70.	-40245.4	2066.6	-174.7	9771.8	-33175.7	-35253.1
80.	-40205.6	2066.6	-174.7	9771.8	-31428.7	-14587.2

Asta	224	nodì	145	118		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	3503.2	23529.2	-105.6	63434.8	-37483.0	-1665308.9
34.	3503.2	19191.6	-112.0	64467.7	-33764.5	-933954.9
69.	3503.2	14940.7	-121.5	65531.2	-29774.3	-349692.9
103.	3503.2	10780.7	-134.6	66625.5	-25398.5	90522.4
137.	3503.2	6714.0	-151.8	67750.4	-20506.0	389850.6
171.	3503.2	2741.4	-173.3	68906.0	-14952.4	551506.4
206.	3503.2	-1138.1	-199.4	70092.3	-8582.9	578700.4
240.	3503.2	-4927.2	-230.3	71309.2	-1236.8	474580.4
274.	3503.2	-8630.3	-266.0	72556.9	7249.7	242172.1

Asta	225	nodì	114	115		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	5164.4	17149.1	-18.0	-161685.3	-111203.1	-212399.8
50.	5164.4	11690.6	-102.4	-158051.3	-108090.8	502778.4
99.	5164.4	6102.4	-158.9	-154557.2	-101509.5	944283.6
149.	5164.4	368.5	-192.4	-151202.8	-92718.7	1105269.8
198.	5164.4	-5522.2	-207.5	-147988.3	-82740.6	978218.3
248.	5164.4	-11575.1	-208.3	-144913.6	-72384.6	555202.2
297.	5164.4	-17790.5	-198.3	-141978.7	-62270.0	-171849.3
347.	5164.4	-24163.4	-180.7	-139183.5	-52850.3	-1210886.1
397.	5164.4	-30683.2	-158.2	-136528.2	-44436.3	-2569472.9

Asta	226	nodì	115	116		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	6280.6	27714.9	-223.6	-84209.5	-44389.6	-2421753.0
50.	6280.6	21002.8	-197.9	-81637.0	-33843.0	-1203270.1
100.	6280.6	14165.3	-171.2	-79135.9	-24612.6	-323563.8
150.	6280.6	7211.3	-144.9	-76706.4	-16714.3	211318.5
200.	6280.6	149.3	-120.1	-74348.3	-10099.0	395763.8
250.	6280.6	-7011.9	-97.6	-72061.7	-4669.5	224594.1
300.	6280.6	-14263.6	-77.8	-69846.6	-296.4	-306933.6
350.	6280.6	-21597.0	-61.1	-67702.9	3164.7	-1203126.3
400.	6280.6	-29003.6	-47.1	-65630.7	5857.3	-2467854.8

Asta	227	nodì	116	117		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	6849.5	31349.2	-43.3	-52045.7	477.6	-2404073.5
50.	6849.5	23831.0	-31.6	-50018.0	2351.4	-1015688.1
101.	6849.5	16253.3	-22.0	-48033.3	3689.0	-7079.9
151.	6849.5	8621.1	-14.4	-46091.7	4596.4	618887.0
201.	6849.5	938.4	-8.7	-44193.0	5171.1	859573.9
252.	6849.5	-6791.5	-4.7	-42337.4	5501.2	712525.4
302.	6849.5	-14566.3	-2.0	-40524.8	5663.9	175426.9
352.	6849.5	-22384.5	-0.5	-38755.2	5723.3	-753937.6
403.	6849.5	-30245.3	0.2	-37028.6	5729.5	-2077728.2

Asta	228	nodì	117	142		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	5470.2	24024.8	-2.9	-32459.1	2444.7	-2008809.9
37.	5470.2	18217.6	-2.7	-31212.5	2547.9	-1227262.5
74.	5470.2	12393.0	-2.9	-29980.4	2650.9	-660920.5
111.	5470.2	6556.2	-3.1	-28762.9	2761.4	-310331.5
148.	5470.2	712.5	-3.6	-27559.9	2885.3	-175847.3
185.	5470.2	-5133.3	-4.1	-26371.5	3026.4	-257633.8
222.	5470.2	-10976.4	-4.6	-25197.6	3186.3	-555678.5
259.	5470.2	-16812.4	-5.0	-24038.3	3364.6	-1069799.7
296.	5470.2	-22637.0	-5.4	-22893.6	3558.3	-1799654.8

Asta	229	nodì	142	143		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	6915.3	27683.2	-0.1	-21121.0	1045.1	-1785015.2

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44.	6915.3	20707.5	-0.3	-19760.9	1055.6	-709919.0
89.	6915.3	13755.7	-0.2	-18412.8	1068.3	55719.7
133.	6915.3	6829.3	0.2	-17076.6	1069.0	512996.0
178.	6915.3	-69.9	1.0	-15752.4	1042.0	663078.7
222.	6915.3	-6940.3	2.3	-14440.2	969.7	507211.1
267.	6915.3	-13780.2	3.9	-13140.0	833.6	46711.6
311.	6915.3	-20587.8	6.1	-11851.8	613.5	-717025.5
356.	6915.3	-27361.5	8.7	-10575.5	288.5	-1782529.6
Asta	230	nodì	143	144		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	6359.5	22427.0	8.2	-7195.5	-1544.7	-1761683.6
37.	6359.5	16805.3	10.7	-6136.8	-1894.4	-1034744.6
74.	6359.5	11212.7	13.6	-5079.8	-2345.3	-515633.3
111.	6359.5	5653.6	16.8	-4024.2	-2909.3	-203189.2
148.	6359.5	132.1	20.3	-2970.3	-3596.8	-96094.8
185.	6359.5	-5347.5	23.9	-1918.0	-4416.1	-192877.5
222.	6359.5	-10781.3	27.7	-867.2	-5372.3	-491912.8
259.	6359.5	-16165.2	31.4	182.0	-6467.3	-991426.0
297.	6359.5	-21495.3	35.0	1229.7	-7698.7	-1689495.1
Asta	231	nodì	144	145		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	5569.7	19604.9	65.5	10235.6	-8202.7	-1744488.4
34.	5569.7	14819.3	68.5	11188.4	-10456.0	-1165871.2
67.	5569.7	10085.7	71.2	12147.4	-12806.7	-747307.8
101.	5569.7	5408.5	73.5	13112.5	-15241.1	-486975.0
135.	5569.7	791.8	75.0	14083.8	-17740.2	-382907.3
168.	5569.7	-3760.5	75.7	15061.2	-20277.3	-433003.9
202.	5569.7	-8244.7	75.2	16044.8	-22817.3	-635036.2
235.	5569.7	-12657.2	73.1	17034.5	-25314.4	-986654.3
269.	5569.7	-16994.9	69.1	18030.4	-27711.3	-1485394.4
Asta	232	nodì	131	146		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	2586.8	13605.7	948.1	187755.7	231777.2	-171860.7
45.	2586.8	8904.7	1051.0	187047.1	187332.7	329838.4
89.	2586.8	4160.8	1184.8	186480.5	137643.8	621132.5
134.	2586.8	-634.7	1356.1	186056.0	81176.1	699901.5
178.	2586.8	-5486.9	1568.8	185773.6	16161.1	563721.0
223.	2586.8	-10397.2	1823.9	185633.3	-59278.0	210018.4
267.	2586.8	-15363.9	2119.6	185635.1	-147000.2	-363770.7
312.	2586.8	-20381.4	2451.2	185778.9	-248721.1	-1160046.6
357.	2586.8	-25440.8	2811.3	186064.9	-365886.6	-2180888.5
Asta	233	nodì	146	119		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	2153.1	16482.2	-2016.6	124390.3	-353770.7	-2197139.9
39.	2153.1	12029.5	-1685.8	124739.7	-281538.9	-1641103.1
78.	2153.1	7563.3	-1347.5	125163.2	-222374.5	-1259015.1
117.	2153.1	3093.4	-1007.4	125660.8	-176456.6	-1051213.2
156.	2153.1	-1369.9	-670.8	126232.4	-143749.2	-1017643.4
195.	2153.1	-5815.8	-342.1	126878.0	-124029.3	-1157839.8
234.	2153.1	-10233.0	-25.0	127597.7	-116914.7	-1470904.5
273.	2153.1	-14609.6	277.6	128391.5	-121891.8	-1955486.5
312.	2153.1	-18933.1	563.2	129259.3	-138344.1	-2609761.6
Asta	234	nodì	119	118		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-359.1	35868.3	-1653.5	48771.9	-146277.1	-2987527.2
76.	-359.1	27620.1	-1149.8	50599.2	-40120.5	-574543.4
152.	-359.1	19608.3	-718.8	52551.6	30480.7	1220191.5
228.	-359.1	11800.5	-360.6	54629.3	71074.9	2413552.7
304.	-359.1	4144.9	-72.9	56832.1	87125.0	3019213.1
380.	-359.1	-3430.1	149.1	59160.0	83826.8	3046151.5
456.	-359.1	-11015.6	312.4	61613.1	65927.8	2497159.6
532.	-359.1	-18722.3	426.6	64191.4	37545.7	1367350.5
609.	-359.1	-26680.7	503.3	66894.9	1987.1	-357334.3
Asta	236	nodì	132	131		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	3284.0	25213.7	-256.1	-186081.5	10741.2	-2073526.9
53.	3284.0	20009.5	-300.2	-184202.6	25327.1	-881993.1
105.	3284.0	14767.6	-359.6	-182515.3	42642.7	34312.5
158.	3284.0	9494.7	-432.9	-181019.8	63463.7	673601.1
211.	3284.0	4192.7	-517.0	-179715.9	88448.3	1034309.4
263.	3284.0	-1141.4	-607.1	-178603.7	118046.7	1114846.8
316.	3284.0	-6515.1	-696.7	-177683.1	152411.0	913344.1
369.	3284.0	-11941.1	-777.5	-176954.2	191304.4	427401.1
422.	3284.0	-17436.5	-839.6	-176417.0	234011.5	-346165.0
Asta	237	nodì	133	132		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	3530.5	17655.3	-600.7	-209169.3	-108599.2	-358645.4
58.	3530.5	12352.7	-492.1	-205107.8	-76913.7	512479.9
116.	3530.5	7043.9	-395.1	-201297.6	-51225.1	1075686.5
174.	3530.5	1702.8	-314.6	-197738.9	-30711.6	1329826.0
232.	3530.5	-3690.9	-254.4	-194431.5	-14297.0	1272401.8
290.	3530.5	-9150.9	-216.8	-191375.5	-729.9	899933.9
348.	3530.5	-14684.7	-202.8	-188570.8	11336.3	208323.8
406.	3530.5	-20293.5	-211.9	-186017.6	23264.1	-806780.8
465.	3530.5	-25972.4	-242.3	-183715.7	36351.6	-2149620.8
Asta	238	nodì	135	134		

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PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	5033.6	26288.7	385.2	225828.4	44356.6	-2427836.5
58.	5033.6	20821.0	229.7	226751.7	26610.8	-1060265.5
116.	5033.6	15378.5	96.6	227974.0	17248.1	-9503.4
174.	5033.6	9972.6	-12.6	229495.4	14927.1	726278.2
232.	5033.6	4606.8	-96.0	231315.8	18208.4	1149344.0
290.	5033.6	-722.8	-151.7	233435.3	25540.5	1261947.2
348.	5033.6	-6028.1	-177.4	235853.8	35245.3	1065880.8
406.	5033.6	-11328.6	-170.4	238571.5	45504.5	562029.8
465.	5033.6	-16651.4	-128.0	241588.1	54345.2	-250077.1
Asta	239	nod	136	135		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	5151.3	13258.4	1681.1	307761.0	394347.2	-521477.4
49.	5151.3	8871.3	1528.1	306306.4	315482.4	21515.8
98.	5151.3	4449.5	1348.4	305132.9	244837.7	348451.0
147.	5151.3	-13.7	1155.1	304240.5	183391.3	457443.7
196.	5151.3	-4520.7	959.0	303629.2	131536.1	346388.3
245.	5151.3	-9069.9	768.4	303299.1	89197.2	13158.9
294.	5151.3	-13655.5	589.2	303250.1	55950.1	-544190.8
343.	5151.3	-18267.8	424.9	303482.2	31138.2	-1327226.8
393.	5151.3	-22893.0	276.7	303995.4	13991.0	-2336935.3
Asta	240	nod	138	129		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-9725.8	17556.4	-93.0	103133.3	47934.4	356448.8
39.	-9725.8	12440.5	-64.3	106494.3	51003.1	940654.6
78.	-9725.8	7255.8	-32.8	109923.7	52904.0	1324357.0
117.	-9725.8	1992.2	2.6	113421.5	53505.9	1504675.2
156.	-9725.8	-3359.4	43.2	116987.7	52631.3	1478355.4
195.	-9725.8	-8806.3	90.1	120622.4	50057.3	1241824.4
234.	-9725.8	-14354.9	144.3	124325.5	45518.7	791242.6
273.	-9725.8	-20009.7	206.9	128096.9	38709.8	122557.8
312.	-9725.8	-25774.4	278.8	131936.8	29286.5	-768441.8
Asta	241	nod	139	138		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-11189.1	21238.3	-323.3	29414.9	-8015.3	78105.6
41.	-11189.1	16034.9	-276.9	32710.1	4275.3	842133.8
82.	-11189.1	10847.2	-234.7	36033.0	14748.5	1393181.4
123.	-11189.1	5664.6	-196.4	39383.6	23572.3	1731675.6
164.	-11189.1	476.2	-161.7	42761.9	30902.2	1857601.4
205.	-11189.1	-4729.2	-130.0	46168.0	36872.7	1770492.7
246.	-11189.1	-9962.8	-100.3	49601.7	41588.6	1469423.5
287.	-11189.1	-15236.2	-71.8	53063.2	45116.2	952999.6
328.	-11189.1	-20561.1	-43.1	56552.3	47475.0	219350.1
Asta	242	nod	128	139		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-8039.6	23814.9	-686.6	-29886.0	-161569.9	-728684.4
38.	-8039.6	18539.5	-641.1	-26735.7	-136027.2	85094.8
77.	-8039.6	13331.9	-589.1	-23595.2	-112367.0	697410.1
115.	-8039.6	8189.2	-533.5	-20464.5	-90783.5	1110815.3
154.	-8039.6	3107.4	-476.6	-17343.8	-71369.5	1327732.9
192.	-8039.6	-1918.7	-420.4	-14232.9	-54134.3	1350408.2
231.	-8039.6	-6895.5	-366.3	-11132.0	-39022.4	1180863.3
269.	-8039.6	-11830.6	-315.4	-8040.9	-25931.5	820851.7
308.	-8039.6	-16732.7	-268.0	-4959.7	-14731.0	271812.0
Asta	243	nod	133	129		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-847.0	18014.1	-14.2	-315543.8	94466.0	144332.0
45.	-847.0	13801.9	57.7	-315481.3	93493.7	854257.5
89.	-847.0	9306.1	130.3	-315661.1	89314.3	1370212.8
134.	-847.0	4512.1	207.2	-316083.0	81814.7	1679232.3
178.	-847.0	-593.8	291.1	-316747.3	70743.0	1767720.1
223.	-847.0	-6024.7	384.3	-317653.8	55732.3	1621481.1
267.	-847.0	-11793.1	488.7	-318802.5	36324.3	1225752.5
312.	-847.0	-17910.6	605.5	-320193.5	11992.7	565234.8
357.	-847.0	-24388.2	735.4	-321826.8	-17833.5	-375877.0
Asta	244	nod	134	128		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-382.0	17887.4	404.0	248056.1	61549.9	124018.0
45.	-382.0	13681.2	415.0	247751.4	43391.9	828186.6
89.	-382.0	9257.6	451.2	247636.4	24189.7	1340126.0
134.	-382.0	4602.7	514.3	247711.0	2777.3	1649836.5
178.	-382.0	-297.0	604.9	247975.3	-22058.8	1746706.9
223.	-382.0	-5454.6	722.2	248429.3	-51529.8	1619534.7
267.	-382.0	-10882.7	864.5	249072.9	-86794.3	1256545.6
312.	-382.0	-16593.5	1029.0	249906.1	-128909.0	645413.9
357.	-382.0	-22598.5	1211.8	250929.0	-178778.6	-226718.3
Asta	245	nod	147	114		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-4580.4	21928.3	5571.6	354064.7	788478.0	-397143.3
76.	-4580.4	16798.6	4198.7	346831.5	417503.6	1075862.6
152.	-4580.4	11588.6	2950.1	340324.1	146581.1	2156310.5
228.	-4580.4	6192.1	1872.5	334542.3	-35632.6	2834049.1
304.	-4580.4	503.6	994.9	329486.2	-143362.1	3090876.8
380.	-4580.4	-5581.9	328.5	325155.7	-192356.4	2900588.3
456.	-4580.4	-12168.6	-133.5	321551.0	-198532.0	2229019.7
532.	-4580.4	-19360.3	-415.7	318671.8	-176615.6	1034095.3
609.	-4580.4	-27260.2	-560.5	316518.4	-138787.4	-734127.2

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Asta	246	nod	148	147		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-6857.3	9151.4	825.8	-184113.1	248691.8	266110.7
39.	-6857.3	6382.0	290.9	-187141.4	226750.6	568890.6
78.	-6857.3	3646.5	-293.1	-190285.3	226640.3	764344.8
117.	-6857.3	939.1	-922.2	-193544.7	250201.1	853680.4
156.	-6857.3	-1745.5	-1590.2	-196919.5	299076.9	837889.0
195.	-6857.3	-4411.6	-2289.8	-200409.9	374648.8	717772.4
234.	-6857.3	-7063.3	-3011.4	-204015.9	477967.0	493969.1
273.	-6857.3	-9703.7	-3744.2	-207737.3	609684.6	166980.4
312.	-6857.3	-12335.2	-4475.2	-211574.3	769989.8	-262803.2

Asta	247	nod	136	148		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1629.9	18135.8	-1333.2	-511061.4	-423381.4	-691620.9
45.	-1629.9	14224.5	-1379.7	-511500.6	-363094.8	28957.7
89.	-1629.9	10432.9	-1476.8	-512333.7	-299661.6	577913.4
134.	-1629.9	6757.8	-1637.2	-513560.9	-230533.2	960517.7
178.	-1629.9	3193.8	-1870.0	-515182.1	-152670.9	1181849.6
223.	-1629.9	-266.6	-2181.3	-517197.3	-62699.9	1246702.2
267.	-1629.9	-3632.9	-2573.3	-519606.5	42937.6	1159488.3
312.	-1629.9	-6916.8	-3044.9	-522409.7	167828.8	924146.3
357.	-1629.9	-10132.2	-3591.8	-525606.9	315436.8	544046.0

Asta	249	nod	27	25		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	570.7	1470.3	-302.7	-533.6	-53774.4	-180067.1
39.	570.7	1348.6	-302.7	-533.6	-41969.9	-125098.5
78.	570.7	1226.9	-302.7	-533.6	-30165.3	-74875.5
117.	570.7	1105.3	-302.7	-533.6	-18360.8	-29398.0
156.	570.7	983.6	-302.7	-533.6	-6556.3	11334.0
195.	570.7	861.9	-302.7	-533.6	5248.2	47320.5
234.	570.7	740.2	-302.7	-533.6	17052.8	78561.5
273.	570.7	618.5	-302.7	-533.6	28857.3	105056.9
312.	570.7	496.9	-302.7	-533.6	40661.8	126806.8

Asta	250	nod	28	26		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1141.6	4117.2	-188.1	3252.4	-40533.2	-281214.8
39.	-1141.6	3300.5	-188.1	3252.4	-33196.6	-136569.7
78.	-1141.6	2483.9	-188.1	3252.4	-25860.1	-23774.4
117.	-1141.6	1667.2	-188.1	3252.4	-18523.5	57171.2
156.	-1141.6	850.5	-188.1	3252.4	-11186.9	106267.1
195.	-1141.6	33.9	-188.1	3252.4	-3850.3	123513.2
234.	-1141.6	-782.8	-188.1	3252.4	3486.2	108909.6
273.	-1141.6	-1599.4	-188.1	3252.4	10822.8	62456.2
312.	-1141.6	-2416.1	-188.1	3252.4	18159.4	-15846.8

Asta	252	nod	150	48		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-33663.9	-849.4	-1527.7	-34358.5	-153262.5	237836.5
21.	-33579.3	-849.4	-1527.7	-34358.5	-120799.9	219786.3
43.	-33494.7	-849.4	-1527.7	-34358.5	-88337.4	201736.2
64.	-33410.1	-849.4	-1527.7	-34358.5	-55874.8	183686.0
85.	-33325.5	-849.4	-1527.7	-34358.5	-23412.2	165635.9
106.	-33240.9	-849.4	-1527.7	-34358.5	9050.4	147585.7
128.	-33156.3	-849.4	-1527.7	-34358.5	41513.0	129535.5
149.	-33071.7	-849.4	-1527.7	-34358.5	73975.6	111485.4
170.	-32987.1	-849.4	-1527.7	-34358.5	106438.1	93435.2

Asta	254	nod	152	56		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-55931.2	-1638.4	643.7	-31924.7	131330.8	348500.5
21.	-55846.6	-1638.4	643.7	-31924.7	117651.9	313685.5
43.	-55762.0	-1638.4	643.7	-31924.7	103973.0	278870.4
64.	-55677.4	-1638.4	643.7	-31924.7	90294.1	244055.4
85.	-55592.8	-1638.4	643.7	-31924.7	76615.3	209240.3
106.	-55508.2	-1638.4	643.7	-31924.7	62936.4	174425.3
128.	-55423.6	-1638.4	643.7	-31924.7	49257.5	139610.3
149.	-55339.0	-1638.4	643.7	-31924.7	35578.6	104795.2
170.	-55254.4	-1638.4	643.7	-31924.7	21899.8	69980.2

Asta	256	nod	150	152		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	642.1	5798.4	-324.1	10452.9	-51019.6	-352516.0
39.	642.1	4518.4	-324.1	10452.9	-38381.4	-151339.2
78.	642.1	3238.4	-324.1	10452.9	-25743.3	-81.7
117.	642.1	1958.4	-324.1	10452.9	-13105.1	101256.7
156.	642.1	678.4	-324.1	10452.9	-466.9	152675.8
195.	642.1	-601.5	-324.1	10452.9	12171.3	154175.7
234.	642.1	-1881.5	-324.1	10452.9	24809.4	105756.4
273.	642.1	-3161.5	-324.1	10452.9	37447.6	7417.9
312.	642.1	-4441.5	-324.1	10452.9	50085.8	-140839.9

Asta	257	nod	148	106		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-19283.6	-4417.6	5227.4	66745.0	277935.3	-341493.8
10.	-19283.6	-4417.6	5227.4	66745.0	225661.1	-385670.1
20.	-19283.6	-4417.6	5227.4	66745.0	173387.0	-429846.4
30.	-19283.6	-4417.6	5227.4	66745.0	121112.9	-474022.7
40.	-19283.6	-4417.6	5227.4	66745.0	68838.7	-518199.0
50.	-19283.6	-4417.6	5227.4	66745.0	16564.6	-562375.3
60.	-19283.6	-4417.6	5227.4	66745.0	-35709.6	-606551.5

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70.	-19283.6	-4417.6	5227.4	66745.0	-87983.7	-650727.8
80.	-19283.6	-4417.6	5227.4	66745.0	-140257.8	-694904.1
Asta	258	nodi	147	105		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-34263.5	-10046.8	-2276.9	-18488.2	134340.1	-565638.9
10.	-34263.5	-10046.8	-2276.9	-18488.2	157109.5	-666106.7
20.	-34263.5	-10046.8	-2276.9	-18488.2	179878.8	-766574.5
30.	-34263.5	-10046.8	-2276.9	-18488.2	202648.1	-867042.3
40.	-34263.5	-10046.8	-2276.9	-18488.2	225417.5	-967510.2
50.	-34263.5	-10046.8	-2276.9	-18488.2	248186.8	-1067978.0
60.	-34263.5	-10046.8	-2276.9	-18488.2	270956.1	-1168445.8
70.	-34263.5	-10046.8	-2276.9	-18488.2	293725.4	-1268913.6
80.	-34263.5	-10046.8	-2276.9	-18488.2	316494.8	-1369381.4

SOLLECITAZIONI ASTE

CASO DI CARICO : 2 SLU VENTOX

COMBINAZIONE

N. 11 CONDIZIONI ANALISI STATICA

1	Peso_proprio	+	1.30
2	Pp_solai	+	1.30
3	Perm_tetto	+	1.50
4	Muri_perimetrali	+	1.50
5	Muri_interni	+	1.50
6	Sottofondi	+	1.50
7	Cl_Var_scuola	+	1.50
8	Neve	+	1.50
9	Pp_scala	+	1.30
10	Var_scala	+	1.50
35	Autovett_025_(X)	+-	1.50

1)	+1.30*c001	+1.30*c002	+1.50*c003	+1.50*c004	+1.50*c005
)	+1.50*c006	+1.50*c007	+1.50*c008	+1.30*c009	+1.50*c010
)	+1.50*c035				
2)	+1.30*c001	+1.30*c002	+1.50*c003	+1.50*c004	+1.50*c005
)	+1.50*c006	+1.50*c007	+1.50*c008	+1.30*c009	+1.50*c010
)	-1.50*c035				

Unità di misura: Prog e frecce [cm];NORM,TYT,TZZ [daN]

MZZ,MYT,TORS [daNcm]

Asta	1	nodi	1	2		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-28662.7	-1920.1	2077.4	-1220.7	307742.7	364054.3
	-28660.1	-1930.9	2048.2	1504.3	299169.4	368101.7
43.	-28493.5	-1920.1	2077.4	-1220.7	219453.8	282451.1
	-28490.9	-1930.9	2048.2	1504.3	212119.1	286038.8
85.	-28324.3	-1920.1	2077.4	-1220.7	131164.9	200847.9
	-28321.7	-1930.9	2048.2	1504.3	125068.8	203976.0
128.	-28155.1	-1920.1	2077.4	-1220.7	42876.1	119244.6
	-28152.5	-1930.9	2048.2	1504.3	38018.4	121913.2
170.	-27985.9	-1920.1	2077.4	-1220.7	-45412.8	37641.4
	-27983.3	-1930.9	2048.2	1504.3	-49031.9	39850.4
213.	-27816.7	-1920.1	2077.4	-1220.7	-133701.6	-43961.9
	-27814.1	-1930.9	2048.2	1504.3	-136082.3	-42212.5
255.	-27647.5	-1920.1	2077.4	-1220.7	-221990.5	-125565.1
	-27644.9	-1930.9	2048.2	1504.3	-223132.6	-124275.3
298.	-27478.3	-1920.1	2077.4	-1220.7	-310279.4	-207168.3
	-27475.7	-1930.9	2048.2	1504.3	-310183.0	-206338.1
340.	-27309.1	-1920.1	2077.4	-1220.7	-398568.2	-288771.6
	-27306.5	-1930.9	2048.2	1504.3	-397233.3	-288400.9

Asta	2	nodi	3	4		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-38015.8	-656.6	-20.6	-179.7	-24807.8	125153.6
	-38018.0	-666.8	-43.1	-1057.4	-30399.5	128993.4
43.	-37846.6	-656.6	-20.6	-179.7	-23931.3	97248.3
	-37848.8	-666.8	-43.1	-1057.4	-28568.0	100655.2
85.	-37677.4	-656.6	-20.6	-179.7	-23054.9	69342.9
	-37679.6	-666.8	-43.1	-1057.4	-26736.4	72317.0
128.	-37508.2	-656.6	-20.6	-179.7	-22178.4	41437.6
	-37510.4	-666.8	-43.1	-1057.4	-24904.8	43978.8
170.	-37339.0	-656.6	-20.6	-179.7	-21302.0	13532.2
	-37341.2	-666.8	-43.1	-1057.4	-23073.2	15640.6
213.	-37169.8	-656.6	-20.6	-179.7	-20425.5	-14373.1
	-37172.0	-666.8	-43.1	-1057.4	-21241.7	-12697.6
255.	-37000.6	-656.6	-20.6	-179.7	-19549.0	-42278.5
	-37002.8	-666.8	-43.1	-1057.4	-19410.1	-41035.8
298.	-36831.4	-656.6	-20.6	-179.7	-18672.6	-70183.8
	-36833.6	-666.8	-43.1	-1057.4	-17578.5	-69374.0
340.	-36662.2	-656.6	-20.6	-179.7	-17796.1	-98089.2
	-36664.4	-666.8	-43.1	-1057.4	-15746.9	-97712.2

Asta	3	nodi	5	6		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-39916.6	-395.5	-10.4	1934.8	-12535.0	83044.6
	-39914.9	-405.1	-18.6	767.8	-15035.9	86732.9
43.	-39747.4	-395.5	-10.4	1934.8	-12091.9	66234.5

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85.	-39745.6	-405.1	-18.6	767.8	-14247.0	69518.2
	-39578.1	-395.5	-10.4	1934.8	-11648.9	49424.4
	-39576.4	-405.1	-18.6	767.8	-13458.1	52303.4
128.	-39408.9	-395.5	-10.4	1934.8	-11205.8	32614.3
	-39407.2	-405.1	-18.6	767.8	-12669.2	35088.7
170.	-39239.7	-395.5	-10.4	1934.8	-10762.8	15804.2
	-39238.0	-405.1	-18.6	767.8	-11880.3	17874.0
213.	-39070.5	-395.5	-10.4	1934.8	-10319.7	-1005.8
	-39068.8	-405.1	-18.6	767.8	-11091.4	659.3
255.	-38901.3	-395.5	-10.4	1934.8	-9876.7	-17815.9
	-38899.6	-405.1	-18.6	767.8	-10302.6	-16555.4
298.	-38732.1	-395.5	-10.4	1934.8	-9433.6	-34626.0
	-38730.4	-405.1	-18.6	767.8	-9513.7	-33770.1
340.	-38562.9	-395.5	-10.4	1934.8	-8990.6	-51436.1
	-38561.2	-405.1	-18.6	767.8	-8724.8	-50984.8
Asta	4	7	8			
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-36452.3	411.5	-1.6	2694.6	-4741.1	-62474.7
	-36475.9	401.4	-3.2	1309.7	-5206.2	-58841.8
43.	-36283.1	411.5	-1.6	2694.6	-4672.7	-44984.8
	-36306.7	401.4	-3.2	1309.7	-5071.7	-41780.5
85.	-36113.9	411.5	-1.6	2694.6	-4604.4	-27494.9
	-36137.5	401.4	-3.2	1309.7	-4937.1	-24719.2
128.	-35944.7	411.5	-1.6	2694.6	-4536.1	-10004.9
	-35968.3	401.4	-3.2	1309.7	-4802.6	-7657.9
170.	-35775.5	411.5	-1.6	2694.6	-4467.7	7485.0
	-35799.1	401.4	-3.2	1309.7	-4668.0	9403.4
213.	-35606.3	411.5	-1.6	2694.6	-4399.4	24974.9
	-35629.9	401.4	-3.2	1309.7	-4533.4	26464.7
255.	-35437.1	411.5	-1.6	2694.6	-4331.1	42464.8
	-35460.7	401.4	-3.2	1309.7	-4398.9	43526.0
298.	-35267.9	411.5	-1.6	2694.6	-4262.7	59954.7
	-35291.5	401.4	-3.2	1309.7	-4264.3	60587.3
340.	-35098.7	411.5	-1.6	2694.6	-4194.4	77444.6
	-35122.3	401.4	-3.2	1309.7	-4129.8	77648.6
Asta	5	9	10			
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-22184.6	1232.6	1617.6	2752.7	253826.0	-218951.4
	-22188.2	1220.2	1682.5	4590.7	271600.0	-214797.5
43.	-22015.3	1232.6	1617.6	2752.7	185076.9	-166565.5
	-22019.0	1220.2	1682.5	4590.7	200091.9	-162938.5
85.	-21846.1	1232.6	1617.6	2752.7	116327.7	-114179.6
	-21849.8	1220.2	1682.5	4590.7	128583.7	-111079.4
128.	-21676.9	1232.6	1617.6	2752.7	47578.5	-61793.7
	-21680.6	1220.2	1682.5	4590.7	57075.5	-59220.3
170.	-21507.7	1232.6	1617.6	2752.7	-21170.7	-9407.7
	-21511.4	1220.2	1682.5	4590.7	-14432.6	-7361.2
213.	-21338.5	1232.6	1617.6	2752.7	-89919.8	42978.2
	-21342.2	1220.2	1682.5	4590.7	-85940.8	44497.9
255.	-21169.3	1232.6	1617.6	2752.7	-158669.0	95364.1
	-21173.0	1220.2	1682.5	4590.7	-157449.0	96356.9
298.	-21000.1	1232.6	1617.6	2752.7	-227418.2	147750.0
	-21003.8	1220.2	1682.5	4590.7	-228957.2	148216.0
340.	-20830.9	1232.6	1617.6	2752.7	-296167.4	200135.9
	-20834.6	1220.2	1682.5	4590.7	-300465.3	200075.1
Asta	6	11	12			
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-35223.5	2292.9	-803.1	4400.3	-121375.9	-385327.5
	-36000.2	1929.9	-693.3	-8790.5	-97490.2	-338362.9
43.	-35054.3	2292.9	-803.1	4400.3	-87243.6	-287879.7
	-35831.0	1929.9	-693.3	-8790.5	-68022.9	-256341.6
85.	-34885.1	2292.9	-803.1	4400.3	-53111.3	-190431.9
	-35661.7	1929.9	-693.3	-8790.5	-38555.7	-174320.3
128.	-34715.9	2292.9	-803.1	4400.3	-18979.0	-92984.1
	-35492.5	1929.9	-693.3	-8790.5	-9088.4	-92299.1
170.	-34546.7	2292.9	-803.1	4400.3	15153.3	4463.7
	-35323.3	1929.9	-693.3	-8790.5	20378.8	-10277.8
213.	-34377.5	2292.9	-803.1	4400.3	49285.6	101911.5
	-35154.1	1929.9	-693.3	-8790.5	49846.1	71743.5
255.	-34208.3	2292.9	-803.1	4400.3	83417.9	199359.3
	-34984.9	1929.9	-693.3	-8790.5	79313.3	153764.8
298.	-34039.1	2292.9	-803.1	4400.3	117550.2	296807.1
	-34815.7	1929.9	-693.3	-8790.5	108780.6	235786.1
340.	-33869.9	2292.9	-803.1	4400.3	151682.5	394254.9
	-34646.5	1929.9	-693.3	-8790.5	138247.9	317807.4
Asta	7	13	14			
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-33685.5	1171.0	-31.5	2009.2	1851.6	-164340.5
	-33761.7	907.2	-20.6	-3674.5	8901.1	-136110.9
43.	-33516.3	1171.0	-31.5	2009.2	3191.6	-114575.0
	-33592.5	907.2	-20.6	-3674.5	9778.4	-97556.4
85.	-33347.1	1171.0	-31.5	2009.2	4531.6	-64809.5
	-33423.3	907.2	-20.6	-3674.5	10655.7	-59001.8
128.	-33177.9	1171.0	-31.5	2009.2	5871.7	-15044.0
	-33254.1	907.2	-20.6	-3674.5	11533.1	-20447.3
170.	-33008.7	1171.0	-31.5	2009.2	7211.7	34721.5
	-33084.9	907.2	-20.6	-3674.5	12410.4	18107.3
213.	-32839.5	1171.0	-31.5	2009.2	8551.7	84487.0
	-32915.7	907.2	-20.6	-3674.5	13287.7	56661.8
255.	-32670.3	1171.0	-31.5	2009.2	9891.7	134252.5

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298.	-32746.5	907.2	-20.6	-3674.5	14165.0	95216.4
	-32501.1	1171.0	-31.5	2009.2	11231.7	184018.0
	-32577.3	907.2	-20.6	-3674.5	15042.3	133770.9
340.	-32331.9	1171.0	-31.5	2009.2	12571.7	233783.5
	-32408.1	907.2	-20.6	-3674.5	15919.6	172325.5
Asta	8	nodì	15	16		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-38857.8	829.1	22.6	2472.1	11728.6	-110536.6
	-38707.5	573.6	-9.4	2456.1	5427.6	-83757.9
43.	-38688.6	829.1	22.6	2472.1	10767.7	-75299.6
	-38538.3	573.6	-9.4	2456.1	5829.2	-59380.3
85.	-38519.3	829.1	22.6	2472.1	9806.9	-40062.6
	-38369.1	573.6	-9.4	2456.1	6230.9	-35002.8
128.	-38350.1	829.1	22.6	2472.1	8846.0	-4825.6
	-38199.9	573.6	-9.4	2456.1	6632.5	-10625.2
170.	-38180.9	829.1	22.6	2472.1	7885.2	30411.5
	-38030.7	573.6	-9.4	2456.1	7034.1	13752.3
213.	-38011.7	829.1	22.6	2472.1	6924.3	65648.5
	-37861.5	573.6	-9.4	2456.1	7435.7	38129.9
255.	-37842.5	829.1	22.6	2472.1	5963.5	100885.5
	-37692.3	573.6	-9.4	2456.1	7837.3	62507.4
298.	-37673.3	829.1	22.6	2472.1	5002.6	136122.5
	-37523.1	573.6	-9.4	2456.1	8238.9	86885.0
340.	-37504.1	829.1	22.6	2472.1	4041.8	171359.6
	-37353.9	573.6	-9.4	2456.1	8640.5	111262.6
Asta	9	nodì	17	18		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-38888.0	-108.1	21.8	4138.9	12246.6	48511.2
	-38799.8	-358.8	8.6	6303.7	8999.3	73754.7
43.	-38718.8	-108.1	21.8	4138.9	11321.8	43918.2
	-38630.6	-358.8	8.6	6303.7	8634.4	58506.8
85.	-38549.6	-108.1	21.8	4138.9	10396.9	39325.1
	-38461.4	-358.8	8.6	6303.7	8269.5	43258.8
128.	-38380.4	-108.1	21.8	4138.9	9472.1	34732.0
	-38292.2	-358.8	8.6	6303.7	7904.6	28010.9
170.	-38211.2	-108.1	21.8	4138.9	8547.2	30139.0
	-38123.0	-358.8	8.6	6303.7	7539.7	12762.9
213.	-38042.0	-108.1	21.8	4138.9	7622.4	25545.9
	-37953.8	-358.8	8.6	6303.7	7174.7	-2485.0
255.	-37872.8	-108.1	21.8	4138.9	6697.5	20952.9
	-37784.6	-358.8	8.6	6303.7	6809.8	-17732.9
298.	-37703.6	-108.1	21.8	4138.9	5772.7	16359.8
	-37615.4	-358.8	8.6	6303.7	6444.9	-32980.9
340.	-37534.4	-108.1	21.8	4138.9	4847.8	11766.7
	-37446.2	-358.8	8.6	6303.7	6080.0	-48228.8
Asta	10	nodì	19	20		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-33468.4	-251.7	35.2	5771.0	14125.8	76837.2
	-33457.4	-500.3	34.6	8711.3	13761.6	101717.7
43.	-33299.2	-251.7	35.2	5771.0	12629.1	66141.5
	-33288.2	-500.3	34.6	8711.3	12291.4	80454.4
85.	-33130.0	-251.7	35.2	5771.0	11132.5	55445.7
	-33119.0	-500.3	34.6	8711.3	10821.3	59191.1
128.	-32960.8	-251.7	35.2	5771.0	9635.8	44750.0
	-32949.8	-500.3	34.6	8711.3	9351.1	37927.8
170.	-32791.6	-251.7	35.2	5771.0	8139.1	34054.3
	-32780.6	-500.3	34.6	8711.3	7881.0	16664.5
213.	-32622.4	-251.7	35.2	5771.0	6642.5	23358.5
	-32611.4	-500.3	34.6	8711.3	6410.8	-4598.8
255.	-32453.2	-251.7	35.2	5771.0	5145.8	12662.8
	-32442.2	-500.3	34.6	8711.3	4940.7	-25862.1
298.	-32284.0	-251.7	35.2	5771.0	3649.1	1967.1
	-32273.0	-500.3	34.6	8711.3	3470.5	-47125.4
340.	-32114.8	-251.7	35.2	5771.0	2152.5	-8728.7
	-32103.8	-500.3	34.6	8711.3	2000.4	-68388.7
Asta	11	nodì	21	22		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-33448.6	66.6	68.5	7276.9	16416.6	31956.9
	-33488.2	-182.9	75.7	9881.0	18873.3	56703.9
43.	-33279.4	66.6	68.5	7276.9	13506.3	34789.2
	-33319.0	-182.9	75.7	9881.0	15654.1	48932.5
85.	-33110.2	66.6	68.5	7276.9	10596.0	37621.4
	-33149.8	-182.9	75.7	9881.0	12435.0	41161.2
128.	-32941.0	66.6	68.5	7276.9	7685.7	40453.6
	-32980.6	-182.9	75.7	9881.0	9215.8	33389.9
170.	-32771.8	66.6	68.5	7276.9	4775.3	43285.9
	-32811.4	-182.9	75.7	9881.0	5996.7	25618.6
213.	-32602.6	66.6	68.5	7276.9	1865.0	46118.1
	-32642.2	-182.9	75.7	9881.0	2777.5	17847.2
255.	-32433.4	66.6	68.5	7276.9	-1045.3	48950.4
	-32473.0	-182.9	75.7	9881.0	-441.7	10075.9
298.	-32264.2	66.6	68.5	7276.9	-3955.6	51782.6
	-32303.8	-182.9	75.7	9881.0	-3660.8	2304.6
340.	-32094.9	66.6	68.5	7276.9	-6865.9	54614.9
	-32134.6	-182.9	75.7	9881.0	-6880.0	-5466.7
Asta	12	nodì	23	24		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-39680.8	119.1	133.8	7177.1	19043.6	33203.3
	-39827.2	-133.3	154.6	7961.1	26363.7	58562.8

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43.	-39511.6	119.1	133.8	7177.1	13356.5	38265.4
	-39658.0	-133.3	154.6	7961.1	19792.2	52896.5
85.	-39342.4	119.1	133.8	7177.1	7669.4	43327.4
	-39488.8	-133.3	154.6	7961.1	13220.6	47230.3
128.	-39173.2	119.1	133.8	7177.1	1982.4	48389.5
	-39319.6	-133.3	154.6	7961.1	6649.1	41564.0
170.	-39004.0	119.1	133.8	7177.1	-3704.7	53451.5
	-39150.4	-133.3	154.6	7961.1	77.5	35897.7
213.	-38834.8	119.1	133.8	7177.1	-9391.8	58513.6
	-38981.2	-133.3	154.6	7961.1	-6494.0	30231.4
255.	-38665.6	119.1	133.8	7177.1	-15078.8	63575.6
	-38812.0	-133.3	154.6	7961.1	-13065.6	24565.1
298.	-38496.4	119.1	133.8	7177.1	-20765.9	68637.7
	-38642.8	-133.3	154.6	7961.1	-19637.1	18898.9
340.	-38327.2	119.1	133.8	7177.1	-26453.0	73699.7
	-38473.6	-133.3	154.6	7961.1	-26208.7	13232.6
Asta	13	nodì	25	26		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-43384.1	-545.8	100.9	-715.4	-443.4	133575.2
	-43299.7	-820.8	69.7	-6432.9	-183.1	161002.4
43.	-43214.9	-545.8	100.9	-715.4	-4729.8	110377.5
	-43130.5	-820.8	69.7	-6432.9	-3144.9	126119.5
85.	-43045.7	-545.8	100.9	-715.4	-9016.3	87179.8
	-42961.3	-820.8	69.7	-6432.9	-6106.6	91236.7
128.	-42876.5	-545.8	100.9	-715.4	-13302.8	63982.1
	-42792.1	-820.8	69.7	-6432.9	-9068.4	56353.9
170.	-42707.3	-545.8	100.9	-715.4	-17589.2	40784.4
	-42622.9	-820.8	69.7	-6432.9	-12030.2	21471.0
213.	-42538.1	-545.8	100.9	-715.4	-21875.7	17586.7
	-42453.7	-820.8	69.7	-6432.9	-14991.9	-13411.8
255.	-42368.9	-545.8	100.9	-715.4	-26162.1	-5611.0
	-42284.5	-820.8	69.7	-6432.9	-17953.7	-48294.6
298.	-42199.7	-545.8	100.9	-715.4	-30448.6	-28808.7
	-42115.3	-820.8	69.7	-6432.9	-20915.5	-83177.5
340.	-42030.5	-545.8	100.9	-715.4	-34735.1	-52006.4
	-41946.1	-820.8	69.7	-6432.9	-23877.2	-118060.3
Asta	14	nodì	27	28		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-29157.8	-696.0	-788.7	-5035.6	-91310.0	166557.2
	-29134.1	-271.1	-708.4	-8193.0	-79979.6	42726.2
43.	-28988.6	-696.0	-788.7	-5035.6	-57791.0	136978.0
	-28964.9	-271.1	-708.4	-8193.0	-49871.9	31204.3
85.	-28819.4	-696.0	-788.7	-5035.6	-24272.0	107398.8
	-28795.7	-271.1	-708.4	-8193.0	-19764.2	19682.4
128.	-28650.2	-696.0	-788.7	-5035.6	9247.1	77819.6
	-28626.4	-271.1	-708.4	-8193.0	10343.6	8160.5
170.	-28481.0	-696.0	-788.7	-5035.6	42766.1	48240.4
	-28457.2	-271.1	-708.4	-8193.0	40451.3	-3361.4
213.	-28311.7	-696.0	-788.7	-5035.6	76285.1	18661.2
	-28288.0	-271.1	-708.4	-8193.0	70559.0	-14883.2
255.	-28142.5	-696.0	-788.7	-5035.6	109804.1	-10918.0
	-28118.8	-271.1	-708.4	-8193.0	100666.7	-26405.1
298.	-27973.3	-696.0	-788.7	-5035.6	143323.1	-40497.2
	-27949.6	-271.1	-708.4	-8193.0	130774.5	-37927.0
340.	-27804.1	-696.0	-788.7	-5035.6	176842.2	-70076.3
	-27780.4	-271.1	-708.4	-8193.0	160882.2	-49448.9
Asta	15	nodì	29	30		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-29607.7	567.1	280.1	-16074.2	46347.7	-56513.1
	-29690.9	552.2	322.0	-7837.0	50433.2	-71472.0
43.	-29438.5	567.1	280.1	-16074.2	34443.7	-32410.4
	-29521.7	552.2	322.0	-7837.0	36746.2	-48002.8
85.	-29269.3	567.1	280.1	-16074.2	22539.6	-8307.6
	-29352.5	552.2	322.0	-7837.0	23059.2	-24533.6
128.	-29100.1	567.1	280.1	-16074.2	10635.6	15795.1
	-29183.3	552.2	322.0	-7837.0	9372.2	-1064.4
170.	-28930.9	567.1	280.1	-16074.2	-1268.5	39897.9
	-29014.1	552.2	322.0	-7837.0	-4314.8	22404.8
213.	-28761.7	567.1	280.1	-16074.2	-13172.5	64000.6
	-28844.9	552.2	322.0	-7837.0	-18001.8	45874.0
255.	-28592.5	567.1	280.1	-16074.2	-25076.5	88103.4
	-28675.7	552.2	322.0	-7837.0	-31688.8	69343.2
298.	-28423.3	567.1	280.1	-16074.2	-36980.6	112206.1
	-28506.5	552.2	322.0	-7837.0	-45375.8	92812.4
340.	-28254.1	567.1	280.1	-16074.2	-48884.6	136308.9
	-28337.3	552.2	322.0	-7837.0	-59062.8	116281.6
Asta	16	nodì	31	32		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-31883.1	-1433.7	231.0	16250.2	19285.4	254283.5
	-31770.8	-1368.7	99.6	9720.9	-13562.0	217236.7
43.	-31713.9	-1433.7	231.0	16250.2	9466.9	193353.3
	-31601.6	-1368.7	99.6	9720.9	-17793.2	159066.9
85.	-31544.7	-1433.7	231.0	16250.2	-351.6	132423.1
	-31432.4	-1368.7	99.6	9720.9	-22024.4	100897.1
128.	-31375.5	-1433.7	231.0	16250.2	-10170.1	71492.9
	-31263.2	-1368.7	99.6	9720.9	-26255.6	42727.3
170.	-31206.3	-1433.7	231.0	16250.2	-19988.6	10562.7
	-31094.0	-1368.7	99.6	9720.9	-30486.8	-15442.5
213.	-31037.1	-1433.7	231.0	16250.2	-29807.0	-50367.5
	-30924.8	-1368.7	99.6	9720.9	-34718.0	-73612.3

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255.	-30867.9	-1433.7	231.0	16250.2	-39625.5	-111297.6
	-30755.6	-1368.7	99.6	9720.9	-38949.2	-131782.1
298.	-30698.7	-1433.7	231.0	16250.2	-49444.0	-172227.8
	-30586.4	-1368.7	99.6	9720.9	-43180.4	-189952.0
340.	-30529.5	-1433.7	231.0	16250.2	-59262.5	-233158.0
	-30417.2	-1368.7	99.6	9720.9	-47411.6	-248121.8
Asta	17	nod	104	110		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-24901.1	2420.4	304.4	15829.9	52079.9	-385283.8
	-25706.6	2355.9	426.7	-1328.0	77423.3	-402395.0
43.	-24731.9	2420.4	304.4	15829.9	39142.7	-282415.6
	-25537.4	2355.9	426.7	-1328.0	59287.3	-302271.1
85.	-24562.7	2420.4	304.4	15829.9	26205.5	-179547.3
	-25368.2	2355.9	426.7	-1328.0	41151.2	-202147.1
128.	-24393.5	2420.4	304.4	15829.9	13268.2	-76679.1
	-25199.0	2355.9	426.7	-1328.0	23015.2	-102023.2
170.	-24224.3	2420.4	304.4	15829.9	331.0	26189.1
	-25029.8	2355.9	426.7	-1328.0	4879.2	-1899.3
213.	-24055.0	2420.4	304.4	15829.9	-12606.2	129057.3
	-24860.6	2355.9	426.7	-1328.0	-13256.9	98224.7
255.	-23885.8	2420.4	304.4	15829.9	-25543.4	231925.5
	-24691.4	2355.9	426.7	-1328.0	-31392.9	198348.6
298.	-23716.6	2420.4	304.4	15829.9	-38480.7	334793.7
	-24522.2	2355.9	426.7	-1328.0	-49528.9	298472.5
340.	-23547.4	2420.4	304.4	15829.9	-51417.9	437662.0
	-24353.0	2355.9	426.7	-1328.0	-67665.0	398596.4
Asta	18	nod	35	36		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-19414.9	945.6	-473.2	15572.4	-67412.5	-99558.2
	-20579.8	1045.2	-394.5	3799.4	-48057.1	-196372.4
43.	-19245.7	945.6	-473.2	15572.4	-47301.5	-59369.5
	-20410.6	1045.2	-394.5	3799.4	-31289.7	-151950.8
85.	-19076.5	945.6	-473.2	15572.4	-27190.4	-19180.8
	-20241.4	1045.2	-394.5	3799.4	-14522.2	-107529.1
128.	-18907.3	945.6	-473.2	15572.4	-7079.4	21007.9
	-20072.2	1045.2	-394.5	3799.4	2245.2	-63107.4
170.	-18738.1	945.6	-473.2	15572.4	13031.6	61196.6
	-19903.0	1045.2	-394.5	3799.4	19012.7	-18685.7
213.	-18568.9	945.6	-473.2	15572.4	33142.7	101385.3
	-19733.8	1045.2	-394.5	3799.4	35780.1	25736.0
255.	-18399.7	945.6	-473.2	15572.4	53253.7	141574.0
	-19564.6	1045.2	-394.5	3799.4	52547.6	70157.7
298.	-18230.5	945.6	-473.2	15572.4	73364.7	181762.6
	-19395.4	1045.2	-394.5	3799.4	69315.0	114579.4
340.	-18061.3	945.6	-473.2	15572.4	93475.8	221951.3
	-19226.2	1045.2	-394.5	3799.4	86082.5	159001.0
Asta	19	nod	37	38		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-34338.3	-210.5	-30.5	19431.3	-4816.1	88285.5
	-34134.0	8.7	-34.7	17835.3	-6836.7	-21244.7
43.	-34169.1	-210.5	-30.5	19431.3	-3521.1	79340.1
	-33964.8	8.7	-34.7	17835.3	-5360.6	-20873.3
85.	-33999.9	-210.5	-30.5	19431.3	-2226.1	70394.7
	-33795.6	8.7	-34.7	17835.3	-3884.5	-20501.8
128.	-33830.7	-210.5	-30.5	19431.3	-931.1	61449.3
	-33626.4	8.7	-34.7	17835.3	-2408.3	-20130.4
170.	-33661.5	-210.5	-30.5	19431.3	363.9	52503.9
	-33457.2	8.7	-34.7	17835.3	-932.2	-19758.9
213.	-33492.3	-210.5	-30.5	19431.3	1658.9	43558.5
	-33288.0	8.7	-34.7	17835.3	544.0	-19387.5
255.	-33323.1	-210.5	-30.5	19431.3	2953.9	34613.0
	-33118.8	8.7	-34.7	17835.3	2020.1	-19016.0
298.	-33153.9	-210.5	-30.5	19431.3	4248.9	25667.6
	-32949.6	8.7	-34.7	17835.3	3496.3	-18644.6
340.	-32984.6	-210.5	-30.5	19431.3	5543.9	16722.2
	-32780.4	8.7	-34.7	17835.3	4972.4	-18273.2
Asta	20	nod	39	40		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-23753.0	-1841.5	-815.8	15743.5	-145437.2	366393.9
	-22966.5	-1741.2	-946.0	701.4	-177599.9	267821.5
43.	-23583.8	-1841.5	-815.8	15743.5	-110767.0	288131.6
	-22797.3	-1741.2	-946.0	701.4	-137395.8	193820.3
85.	-23414.6	-1841.5	-815.8	15743.5	-76096.8	209869.3
	-22628.1	-1741.2	-946.0	701.4	-97191.6	119819.0
128.	-23245.4	-1841.5	-815.8	15743.5	-41426.6	131606.9
	-22458.9	-1741.2	-946.0	701.4	-56987.4	45817.8
170.	-23076.2	-1841.5	-815.8	15743.5	-6756.4	53344.6
	-22289.7	-1741.2	-946.0	701.4	-16783.3	-28183.4
213.	-22907.0	-1841.5	-815.8	15743.5	27913.8	-24917.8
	-22120.5	-1741.2	-946.0	701.4	23420.9	-102184.6
255.	-22737.8	-1841.5	-815.8	15743.5	62584.0	-103180.1
	-21951.3	-1741.2	-946.0	701.4	63625.0	-176185.8
298.	-22568.6	-1841.5	-815.8	15743.5	97254.2	-181442.4
	-21782.1	-1741.2	-946.0	701.4	103829.2	-250187.1
340.	-22399.4	-1841.5	-815.8	15743.5	131924.4	-259704.8
	-21612.9	-1741.2	-946.0	701.4	144033.3	-324188.3
Asta	21	nod	41	42		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-22114.5	1693.1	-703.0	-12492.1	-109190.2	-258791.4

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43.	-22582.3	1563.8	-659.4	-7583.0	-104844.5	-266598.7
	-21945.3	1693.1	-703.0	-12492.1	-79312.9	-186836.3
	-22413.1	1563.8	-659.4	-7583.0	-76821.4	-200137.5
85.	-21776.1	1693.1	-703.0	-12492.1	-49435.7	-114881.2
	-22243.9	1563.8	-659.4	-7583.0	-48798.3	-133676.3
128.	-21606.8	1693.1	-703.0	-12492.1	-19558.4	-42926.2
	-22074.6	1563.8	-659.4	-7583.0	-20775.2	-67215.1
170.	-21437.6	1693.1	-703.0	-12492.1	10318.8	29028.9
	-21905.4	1563.8	-659.4	-7583.0	7247.9	-753.9
213.	-21268.4	1693.1	-703.0	-12492.1	40196.1	100983.9
	-21736.2	1563.8	-659.4	-7583.0	35271.0	65707.3
255.	-21099.2	1693.1	-703.0	-12492.1	70073.3	172939.0
	-21567.0	1563.8	-659.4	-7583.0	63294.1	132168.5
298.	-20930.0	1693.1	-703.0	-12492.1	99950.6	244894.0
	-21397.8	1563.8	-659.4	-7583.0	91317.2	198629.7
340.	-20760.8	1693.1	-703.0	-12492.1	129827.8	316849.1
	-21228.6	1563.8	-659.4	-7583.0	119340.2	265090.9
Asta	22	43	44			
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-32759.9	-309.5	118.2	-8210.3	61396.5	70946.0
	-32904.7	-398.7	110.9	-11309.1	55297.8	59742.9
43.	-32590.7	-309.5	118.2	-8210.3	56374.8	57793.6
	-32735.5	-398.7	110.9	-11309.1	50582.5	42799.4
85.	-32421.5	-309.5	118.2	-8210.3	51353.1	44641.3
	-32566.3	-398.7	110.9	-11309.1	45867.2	25855.9
128.	-32252.3	-309.5	118.2	-8210.3	46331.4	31488.9
	-32397.1	-398.7	110.9	-11309.1	41151.9	8912.3
170.	-32083.1	-309.5	118.2	-8210.3	41309.7	18336.6
	-32227.9	-398.7	110.9	-11309.1	36436.6	-8031.2
213.	-31913.9	-309.5	118.2	-8210.3	36288.0	5184.2
	-32058.7	-398.7	110.9	-11309.1	31721.3	-24974.7
255.	-31744.7	-309.5	118.2	-8210.3	31266.3	-7968.2
	-31889.5	-398.7	110.9	-11309.1	27006.0	-41918.3
298.	-31575.5	-309.5	118.2	-8210.3	26244.6	-21120.5
	-31720.2	-398.7	110.9	-11309.1	22290.7	-58861.8
340.	-31406.3	-309.5	118.2	-8210.3	21222.9	-34272.9
	-31551.0	-398.7	110.9	-11309.1	17575.4	-75805.3
Asta	23	45	46			
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-21695.9	-766.6	-458.4	-7875.1	19891.1	179196.9
	-20939.2	-880.2	-463.3	28.9	12231.0	168920.9
43.	-21526.7	-766.6	-458.4	-7875.1	39373.6	146618.4
	-20770.0	-880.2	-463.3	28.9	31920.2	131513.5
85.	-21357.5	-766.6	-458.4	-7875.1	58856.0	114039.9
	-20600.7	-880.2	-463.3	28.9	51609.3	94106.2
128.	-21188.3	-766.6	-458.4	-7875.1	78338.4	81461.4
	-20431.5	-880.2	-463.3	28.9	71298.4	56698.9
170.	-21019.1	-766.6	-458.4	-7875.1	97820.8	48882.9
	-20262.3	-880.2	-463.3	28.9	90987.5	19291.5
213.	-20849.9	-766.6	-458.4	-7875.1	117303.2	16304.4
	-20093.1	-880.2	-463.3	28.9	110676.6	-18115.8
255.	-20680.7	-766.6	-458.4	-7875.1	136785.6	-16274.1
	-19923.9	-880.2	-463.3	28.9	130365.7	-55523.2
298.	-20511.5	-766.6	-458.4	-7875.1	156268.0	-48852.6
	-19754.7	-880.2	-463.3	28.9	150054.8	-92930.5
340.	-20342.3	-766.6	-458.4	-7875.1	175750.4	-81431.1
	-19585.5	-880.2	-463.3	28.9	169743.9	-130337.9
Asta	24	47	150			
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-40506.2	-598.1	-852.2	19958.7	54226.0	383555.7
	-39771.9	-452.6	-918.9	13363.4	43194.3	291646.8
21.	-40421.6	-598.1	-852.2	19958.7	72335.1	370845.1
	-39687.3	-452.6	-918.9	13363.4	62721.0	282029.5
43.	-40337.0	-598.1	-852.2	19958.7	90444.2	358134.5
	-39602.7	-452.6	-918.9	13363.4	82247.7	272412.1
64.	-40252.4	-598.1	-852.2	19958.7	108553.3	345423.9
	-39518.1	-452.6	-918.9	13363.4	101774.5	262794.8
85.	-40167.8	-598.1	-852.2	19958.7	126662.4	332713.2
	-39433.5	-452.6	-918.9	13363.4	121301.2	253177.5
106.	-40083.2	-598.1	-852.2	19958.7	144771.5	320002.6
	-39348.9	-452.6	-918.9	13363.4	140828.0	243560.1
128.	-39998.6	-598.1	-852.2	19958.7	162880.6	307292.0
	-39264.3	-452.6	-918.9	13363.4	160354.7	233942.8
149.	-39914.0	-598.1	-852.2	19958.7	180989.7	294581.4
	-39179.7	-452.6	-918.9	13363.4	179881.4	224325.5
170.	-39829.4	-598.1	-852.2	19958.7	199098.8	281870.8
	-39095.1	-452.6	-918.9	13363.4	199408.2	214708.1
Asta	25	49	50			
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-26470.0	-257.3	-46.7	5236.9	-22614.7	76280.8
	-26344.6	-180.9	-93.0	6229.0	-43357.7	36063.7
43.	-26300.8	-257.3	-46.7	5236.9	-20628.2	65346.5
	-26175.4	-180.9	-93.0	6229.0	-39403.2	28374.3
85.	-26131.6	-257.3	-46.7	5236.9	-18641.7	54412.2
	-26006.2	-180.9	-93.0	6229.0	-35448.8	20684.9
128.	-25962.4	-257.3	-46.7	5236.9	-16655.2	43477.8
	-25837.0	-180.9	-93.0	6229.0	-31494.3	12995.5
170.	-25793.2	-257.3	-46.7	5236.9	-14668.8	32543.5
	-25667.8	-180.9	-93.0	6229.0	-27539.8	5306.1
213.	-25624.0	-257.3	-46.7	5236.9	-12682.3	21609.1

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255.	-25498.6	-180.9	-93.0	6229.0	-23585.3	-2383.3
	-25454.8	-257.3	-46.7	5236.9	-10695.8	10674.8
	-25329.4	-180.9	-93.0	6229.0	-19630.9	-10072.7
298.	-25285.6	-257.3	-46.7	5236.9	-8709.3	-259.5
	-25160.2	-180.9	-93.0	6229.0	-15676.4	-17762.1
340.	-25116.4	-257.3	-46.7	5236.9	-6722.8	-11193.9
	-24991.0	-180.9	-93.0	6229.0	-11721.9	-25451.5
Asta	26	odi	51	52		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-26274.0	-118.0	-33.4	-6551.7	-14489.2	50686.9
	-26304.7	-84.7	-54.0	-1986.2	-25767.5	19692.4
43.	-26104.8	-118.0	-33.4	-6551.7	-13067.7	45670.9
	-26135.5	-84.7	-54.0	-1986.2	-23470.7	16091.9
85.	-25935.6	-118.0	-33.4	-6551.7	-11646.3	40655.0
	-25966.3	-84.7	-54.0	-1986.2	-21173.9	12491.5
128.	-25766.4	-118.0	-33.4	-6551.7	-10224.8	35639.1
	-25797.1	-84.7	-54.0	-1986.2	-18877.0	8891.0
170.	-25597.2	-118.0	-33.4	-6551.7	-8803.4	30623.2
	-25627.9	-84.7	-54.0	-1986.2	-16580.2	5290.6
213.	-25428.0	-118.0	-33.4	-6551.7	-7382.0	25607.2
	-25458.7	-84.7	-54.0	-1986.2	-14283.4	1690.1
255.	-25258.8	-118.0	-33.4	-6551.7	-5960.5	20591.3
	-25289.5	-84.7	-54.0	-1986.2	-11986.6	-1910.4
298.	-25089.6	-118.0	-33.4	-6551.7	-4539.1	15575.4
	-25120.3	-84.7	-54.0	-1986.2	-9689.8	-5510.8
340.	-24920.4	-118.0	-33.4	-6551.7	-3117.6	10559.4
	-24951.1	-84.7	-54.0	-1986.2	-7393.0	-9111.3
Asta	27	odi	53	54		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-32386.5	-415.0	76.7	18344.6	15375.3	144413.6
	-32378.9	167.8	53.9	15660.7	9538.7	-24102.1
43.	-32217.3	-415.0	76.7	18344.6	12116.8	126777.4
	-32209.7	167.8	53.9	15660.7	7249.3	-16968.5
85.	-32048.1	-415.0	76.7	18344.6	8858.3	109141.2
	-32040.5	167.8	53.9	15660.7	4959.8	-9834.9
128.	-31878.9	-415.0	76.7	18344.6	5599.7	91505.1
	-31871.3	167.8	53.9	15660.7	2670.4	-2701.4
170.	-31709.7	-415.0	76.7	18344.6	2341.2	73868.9
	-31702.1	167.8	53.9	15660.7	380.9	4432.2
213.	-31540.5	-415.0	76.7	18344.6	-917.3	56232.7
	-31532.9	167.8	53.9	15660.7	-1908.5	11565.8
255.	-31371.3	-415.0	76.7	18344.6	-4175.8	38596.6
	-31363.7	167.8	53.9	15660.7	-4198.0	18699.3
298.	-31202.1	-415.0	76.7	18344.6	-7434.3	20960.4
	-31194.5	167.8	53.9	15660.7	-6487.4	25832.9
340.	-31032.9	-415.0	76.7	18344.6	-10692.9	3324.2
	-31025.3	167.8	53.9	15660.7	-8776.9	32966.5
Asta	28	odi	55	152		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-61391.9	-1735.4	30.9	21455.9	-3548.1	653980.8
	-60707.0	-2189.4	-27.6	14866.2	-14922.7	689334.0
21.	-61307.3	-1735.4	30.9	21455.9	-4204.0	617103.6
	-60622.4	-2189.4	-27.6	14866.2	-14335.2	642808.7
43.	-61222.7	-1735.4	30.9	21455.9	-4860.0	580226.4
	-60537.8	-2189.4	-27.6	14866.2	-13747.6	596283.5
64.	-61138.1	-1735.4	30.9	21455.9	-5515.9	543349.3
	-60453.2	-2189.4	-27.6	14866.2	-13160.1	549758.2
85.	-61053.5	-1735.4	30.9	21455.9	-6171.9	506472.1
	-60368.6	-2189.4	-27.6	14866.2	-12572.6	503232.9
106.	-60968.9	-1735.4	30.9	21455.9	-6827.8	469594.9
	-60284.0	-2189.4	-27.6	14866.2	-11985.1	456707.6
128.	-60884.3	-1735.4	30.9	21455.9	-7483.8	432717.8
	-60199.4	-2189.4	-27.6	14866.2	-11397.5	410182.3
149.	-60799.7	-1735.4	30.9	21455.9	-8139.7	395840.6
	-60114.8	-2189.4	-27.6	14866.2	-10810.0	363657.0
170.	-60715.1	-1735.4	30.9	21455.9	-8795.7	358963.5
	-60030.2	-2189.4	-27.6	14866.2	-10222.5	317131.7
Asta	29	odi	57	58		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-33825.9	-375.0	-0.2	2874.7	-3073.7	63230.5
	-33809.2	-385.5	2.0	1550.3	-2142.6	66865.5
43.	-33656.7	-375.0	-0.2	2874.7	-3066.2	47291.2
	-33640.0	-385.5	2.0	1550.3	-2225.8	50481.1
85.	-33487.5	-375.0	-0.2	2874.7	-3058.7	31351.9
	-33470.8	-385.5	2.0	1550.3	-2309.1	34096.8
128.	-33318.3	-375.0	-0.2	2874.7	-3051.2	15412.6
	-33301.6	-385.5	2.0	1550.3	-2392.3	17712.4
170.	-33149.1	-375.0	-0.2	2874.7	-3043.7	-526.7
	-33132.4	-385.5	2.0	1550.3	-2475.6	1328.0
213.	-32979.9	-375.0	-0.2	2874.7	-3036.2	-16466.0
	-32963.2	-385.5	2.0	1550.3	-2558.8	-15056.3
255.	-32810.7	-375.0	-0.2	2874.7	-3028.7	-32405.2
	-32794.0	-385.5	2.0	1550.3	-2642.1	-31440.7
298.	-32641.5	-375.0	-0.2	2874.7	-3021.2	-48344.5
	-32624.8	-385.5	2.0	1550.3	-2725.3	-47825.1
340.	-32472.3	-375.0	-0.2	2874.7	-3013.7	-64283.8
	-32455.6	-385.5	2.0	1550.3	-2808.6	-64209.4
Asta	30	odi	59	60		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ

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0.	-33096.6	473.9	-3.1	3348.7	-4844.8	-85247.6
	-33111.9	462.9	2.0	2195.1	-2336.4	-81536.7
43.	-32927.4	473.9	-3.1	3348.7	-4713.0	-65106.0
	-32942.7	462.9	2.0	2195.1	-2420.8	-61863.4
85.	-32758.2	473.9	-3.1	3348.7	-4581.2	-44964.4
	-32773.5	462.9	2.0	2195.1	-2505.3	-42190.1
128.	-32589.0	473.9	-3.1	3348.7	-4449.4	-24822.8
	-32604.3	462.9	2.0	2195.1	-2589.8	-22516.7
170.	-32419.8	473.9	-3.1	3348.7	-4317.6	-4681.2
	-32435.1	462.9	2.0	2195.1	-2674.2	-2843.4
213.	-32250.6	473.9	-3.1	3348.7	-4185.8	15460.4
	-32265.9	462.9	2.0	2195.1	-2758.7	16829.9
255.	-32081.4	473.9	-3.1	3348.7	-4054.0	35602.0
	-32096.7	462.9	2.0	2195.1	-2843.2	36503.3
298.	-31912.2	473.9	-3.1	3348.7	-3922.2	55743.6
	-31927.5	462.9	2.0	2195.1	-2927.6	56176.6
340.	-31743.0	473.9	-3.1	3348.7	-3790.4	75885.2
	-31758.3	462.9	2.0	2195.1	-3012.1	75850.0
Asta	31	61	62			
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-26931.0	531.3	-26.4	5046.9	-12290.9	-96200.8
	-26940.9	518.4	-15.7	3688.9	-7685.3	-92261.7
43.	-26761.8	531.3	-26.4	5046.9	-11170.6	-73621.5
	-26771.7	518.4	-15.7	3688.9	-7019.4	-70230.4
85.	-26592.6	531.3	-26.4	5046.9	-10050.2	-51042.3
	-26602.5	518.4	-15.7	3688.9	-6353.6	-48199.0
128.	-26423.4	531.3	-26.4	5046.9	-8929.8	-28463.0
	-26433.3	518.4	-15.7	3688.9	-5687.8	-26167.7
170.	-26254.2	531.3	-26.4	5046.9	-7809.4	-5883.7
	-26264.1	518.4	-15.7	3688.9	-5021.9	-4136.3
213.	-26085.0	531.3	-26.4	5046.9	-6689.1	16695.5
	-26094.9	518.4	-15.7	3688.9	-4356.1	17895.0
255.	-25915.8	531.3	-26.4	5046.9	-5568.7	39274.8
	-25925.7	518.4	-15.7	3688.9	-3690.3	39926.4
298.	-25746.6	531.3	-26.4	5046.9	-4448.3	61854.1
	-25756.5	518.4	-15.7	3688.9	-3024.4	61957.7
340.	-25577.4	531.3	-26.4	5046.9	-3327.9	84433.3
	-25587.3	518.4	-15.7	3688.9	-2358.6	83989.0
Asta	32	63	64			
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-26666.3	569.8	-20.1	5766.1	-15131.2	-105474.9
	-26666.5	554.7	12.7	3654.7	-5059.4	-101190.8
43.	-26497.1	569.8	-20.1	5766.1	-14275.9	-81259.2
	-26497.3	554.7	12.7	3654.7	-5601.0	-77617.0
85.	-26327.9	569.8	-20.1	5766.1	-13420.7	-57043.4
	-26328.1	554.7	12.7	3654.7	-6142.7	-54043.1
128.	-26158.7	569.8	-20.1	5766.1	-12565.5	-32827.6
	-26158.9	554.7	12.7	3654.7	-6684.4	-30469.3
170.	-25989.5	569.8	-20.1	5766.1	-11710.3	-8611.9
	-25989.7	554.7	12.7	3654.7	-7226.1	-6895.4
213.	-25820.3	569.8	-20.1	5766.1	-10855.1	15603.9
	-25820.5	554.7	12.7	3654.7	-7767.8	16678.4
255.	-25651.1	569.8	-20.1	5766.1	-9999.8	39819.6
	-25651.3	554.7	12.7	3654.7	-8309.5	40252.3
298.	-25481.9	569.8	-20.1	5766.1	-9144.6	64035.4
	-25482.1	554.7	12.7	3654.7	-8851.2	63826.1
340.	-25312.7	569.8	-20.1	5766.1	-8289.4	88251.1
	-25312.9	554.7	12.7	3654.7	-9392.8	87400.0
Asta	33	2	65			
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-10500.0	-2078.9	2027.8	14583.9	412673.9	286152.1
	-10497.3	-2127.5	1981.6	10577.3	405843.8	294038.3
43.	-10330.8	-2078.9	2027.8	14583.9	326490.5	197798.1
	-10328.1	-2127.5	1981.6	10577.3	321626.3	203621.0
85.	-10161.6	-2078.9	2027.8	14583.9	240307.1	109444.1
	-10158.9	-2127.5	1981.6	10577.3	237408.8	113203.7
128.	-9992.4	-2078.9	2027.8	14583.9	154123.7	21090.1
	-9989.7	-2127.5	1981.6	10577.3	153191.3	22786.3
170.	-9823.2	-2078.9	2027.8	14583.9	67940.2	-67263.9
	-9820.5	-2127.5	1981.6	10577.3	68973.8	-67631.0
213.	-9654.0	-2078.9	2027.8	14583.9	-18243.2	-155617.9
	-9651.3	-2127.5	1981.6	10577.3	-15243.7	-158048.3
255.	-9484.8	-2078.9	2027.8	14583.9	-104426.6	-243971.9
	-9482.1	-2127.5	1981.6	10577.3	-99461.3	-248465.6
298.	-9315.6	-2078.9	2027.8	14583.9	-190610.0	-332325.9
	-9312.9	-2127.5	1981.6	10577.3	-183678.8	-338882.9
340.	-9146.4	-2078.9	2027.8	14583.9	-276793.4	-420679.9
	-9143.7	-2127.5	1981.6	10577.3	-267896.3	-429300.2
Asta	34	4	66			
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-16724.1	-300.3	30.2	3514.5	6749.1	43498.6
	-16726.3	-342.2	34.8	3300.2	8449.1	50735.3
43.	-16554.9	-300.3	30.2	3514.5	5465.8	30733.7
	-16557.1	-342.2	34.8	3300.2	6971.9	36192.2
85.	-16385.7	-300.3	30.2	3514.5	4182.6	17968.9
	-16387.9	-342.2	34.8	3300.2	5494.8	21649.1
128.	-16216.5	-300.3	30.2	3514.5	2899.3	5204.1
	-16218.7	-342.2	34.8	3300.2	4017.7	7106.0
170.	-16047.3	-300.3	30.2	3514.5	1616.0	-7560.8
	-16049.5	-342.2	34.8	3300.2	2540.6	-7437.1

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213.	-15878.1	-300.3	30.2	3514.5	332.8	-20325.6
	-15880.3	-342.2	34.8	3300.2	1063.4	-21980.2
255.	-15708.9	-300.3	30.2	3514.5	-950.5	-33090.5
	-15711.1	-342.2	34.8	3300.2	-413.7	-36523.3
298.	-15539.7	-300.3	30.2	3514.5	-2233.7	-45855.3
	-15541.9	-342.2	34.8	3300.2	-1890.8	-51066.4
340.	-15370.5	-300.3	30.2	3514.5	-3517.0	-58620.1
	-15372.6	-342.2	34.8	3300.2	-3368.0	-65609.5
Asta	35	6	67			
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-18486.7	-616.3	-23.0	-630.5	-7337.4	66986.1
	-18485.6	-658.7	-24.4	-1678.7	-7354.8	74274.4
43.	-18317.5	-616.3	-23.0	-630.5	-6359.9	40794.4
	-18316.4	-658.7	-24.4	-1678.7	-6316.6	46280.1
85.	-18148.3	-616.3	-23.0	-630.5	-5382.5	14602.6
	-18147.2	-658.7	-24.4	-1678.7	-5278.4	18285.9
128.	-17979.1	-616.3	-23.0	-630.5	-4405.0	-11589.2
	-17978.0	-658.7	-24.4	-1678.7	-4240.1	-9708.4
170.	-17809.9	-616.3	-23.0	-630.5	-3427.6	-37780.9
	-17808.8	-658.7	-24.4	-1678.7	-3201.9	-37702.6
213.	-17640.6	-616.3	-23.0	-630.5	-2450.1	-63972.7
	-17639.6	-658.7	-24.4	-1678.7	-2163.7	-65696.9
255.	-17471.4	-616.3	-23.0	-630.5	-1472.6	-90164.5
	-17470.4	-658.7	-24.4	-1678.7	-1125.5	-93691.2
298.	-17302.2	-616.3	-23.0	-630.5	-495.2	-116356.3
	-17301.2	-658.7	-24.4	-1678.7	-87.3	-121685.4
340.	-17133.0	-616.3	-23.0	-630.5	482.3	-142548.0
	-17132.0	-658.7	-24.4	-1678.7	951.0	-149679.7
Asta	36	8	68			
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-17666.1	907.1	-6.9	1101.1	-3356.8	-134957.8
	-17677.8	861.5	-7.3	-435.3	-3357.7	-127185.8
43.	-17496.9	907.1	-6.9	1101.1	-3062.8	-96408.0
	-17508.6	861.5	-7.3	-435.3	-3045.6	-90571.0
85.	-17327.7	907.1	-6.9	1101.1	-2768.8	-57858.3
	-17339.4	861.5	-7.3	-435.3	-2733.5	-53956.2
128.	-17158.5	907.1	-6.9	1101.1	-2474.8	-19308.6
	-17170.2	861.5	-7.3	-435.3	-2421.3	-17341.4
170.	-16989.3	907.1	-6.9	1101.1	-2180.8	19241.1
	-17001.0	861.5	-7.3	-435.3	-2109.2	19273.4
213.	-16820.1	907.1	-6.9	1101.1	-1886.9	57790.9
	-16831.8	861.5	-7.3	-435.3	-1797.1	55888.2
255.	-16650.9	907.1	-6.9	1101.1	-1592.9	96340.6
	-16662.6	861.5	-7.3	-435.3	-1485.0	92503.0
298.	-16481.7	907.1	-6.9	1101.1	-1298.9	134890.3
	-16493.4	861.5	-7.3	-435.3	-1172.9	129117.8
340.	-16312.5	907.1	-6.9	1101.1	-1004.9	173440.0
	-16324.2	861.5	-7.3	-435.3	-860.8	165732.6
Asta	37	10	69			
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-7826.4	1327.0	1017.9	8317.5	228633.8	-193519.7
	-7827.0	1278.6	1075.4	3265.7	237401.4	-185844.8
43.	-7657.2	1327.0	1017.9	8317.5	185371.4	-137122.8
	-7657.8	1278.6	1075.4	3265.7	191697.8	-131502.5
85.	-7488.0	1327.0	1017.9	8317.5	142109.0	-80725.8
	-7488.6	1278.6	1075.4	3265.7	145994.1	-77160.1
128.	-7318.8	1327.0	1017.9	8317.5	98846.6	-24328.9
	-7319.4	1278.6	1075.4	3265.7	100290.5	-22817.8
170.	-7149.6	1327.0	1017.9	8317.5	55584.2	32068.0
	-7150.2	1278.6	1075.4	3265.7	54586.9	31524.6
213.	-6980.4	1327.0	1017.9	8317.5	12321.8	88464.9
	-6981.0	1278.6	1075.4	3265.7	8883.2	85867.0
255.	-6811.2	1327.0	1017.9	8317.5	-30940.6	144861.8
	-6811.8	1278.6	1075.4	3265.7	-36820.4	140209.3
298.	-6642.0	1327.0	1017.9	8317.5	-74203.0	201258.7
	-6642.6	1278.6	1075.4	3265.7	-82524.0	194551.7
340.	-6472.8	1327.0	1017.9	8317.5	-117465.4	257655.6
	-6473.4	1278.6	1075.4	3265.7	-128227.7	248894.0
Asta	38	12	70			
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-15401.7	1345.0	-439.9	6189.3	-114151.1	-192306.1
	-15916.3	1835.9	-276.2	-8517.8	-89585.0	-285462.5
43.	-15232.5	1345.0	-439.9	6189.3	-95453.8	-135141.9
	-15747.1	1835.9	-276.2	-8517.8	-77845.1	-207437.5
85.	-15063.3	1345.0	-439.9	6189.3	-76756.5	-77977.7
	-15577.9	1835.9	-276.2	-8517.8	-66105.1	-129412.6
128.	-14894.1	1345.0	-439.9	6189.3	-58059.1	-20813.5
	-15408.7	1835.9	-276.2	-8517.8	-54365.2	-51387.7
170.	-14724.8	1345.0	-439.9	6189.3	-39361.8	36350.7
	-15239.5	1835.9	-276.2	-8517.8	-42625.3	26637.2
213.	-14555.6	1345.0	-439.9	6189.3	-20664.4	93514.9
	-15070.3	1835.9	-276.2	-8517.8	-30885.4	104662.1
255.	-14386.4	1345.0	-439.9	6189.3	-1967.1	150679.1
	-14901.1	1835.9	-276.2	-8517.8	-19145.4	182687.0
298.	-14217.2	1345.0	-439.9	6189.3	16730.2	207843.3
	-14731.9	1835.9	-276.2	-8517.8	-7405.5	260711.9
340.	-14048.0	1345.0	-439.9	6189.3	35427.6	265007.6
	-14562.7	1835.9	-276.2	-8517.8	4334.4	338736.8
Asta	39	14	71			

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0.	-17726.0	348.0	-13.8	4338.1	-8901.7	-45173.1
	-17774.6	977.4	-29.6	-1550.0	-9172.0	-158062.8
43.	-17556.8	348.0	-13.8	4338.1	-8315.2	-30382.8
	-17605.4	977.4	-29.6	-1550.0	-7912.9	-116522.9
85.	-17387.6	348.0	-13.8	4338.1	-7728.6	-15592.4
	-17436.2	977.4	-29.6	-1550.0	-6653.7	-74982.9
128.	-17218.4	348.0	-13.8	4338.1	-7142.1	-802.1
	-17267.0	977.4	-29.6	-1550.0	-5394.6	-33442.9
170.	-17049.2	348.0	-13.8	4338.1	-6555.6	13988.3
	-17097.8	977.4	-29.6	-1550.0	-4135.4	8097.1
213.	-16880.0	348.0	-13.8	4338.1	-5969.1	28778.6
	-16928.6	977.4	-29.6	-1550.0	-2876.3	49637.1
255.	-16710.7	348.0	-13.8	4338.1	-5382.6	43568.9
	-16759.4	977.4	-29.6	-1550.0	-1617.1	91177.0
298.	-16541.5	348.0	-13.8	4338.1	-4796.0	58359.3
	-16590.2	977.4	-29.6	-1550.0	-357.9	132717.0
340.	-16372.3	348.0	-13.8	4338.1	-4209.5	73149.6
	-16421.0	977.4	-29.6	-1550.0	901.2	174257.0

Asta	40	nod	16	72		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-20820.3	196.2	16.8	3901.8	1374.7	-4344.1
	-20722.3	820.9	-3.2	2230.9	1345.7	-117542.5
43.	-20651.1	196.2	16.8	3901.8	660.9	3994.4
	-20553.1	820.9	-3.2	2230.9	1481.2	-82652.2
85.	-20481.8	196.2	16.8	3901.8	-52.9	12332.9
	-20383.9	820.9	-3.2	2230.9	1616.6	-47762.0
128.	-20312.6	196.2	16.8	3901.8	-766.7	20671.5
	-20214.7	820.9	-3.2	2230.9	1752.1	-12871.7
170.	-20143.4	196.2	16.8	3901.8	-1480.5	29010.0
	-20045.5	820.9	-3.2	2230.9	1887.5	22018.5
213.	-19974.2	196.2	16.8	3901.8	-2194.3	37348.6
	-19876.3	820.9	-3.2	2230.9	2022.9	56908.8
255.	-19805.0	196.2	16.8	3901.8	-2908.1	45687.1
	-19707.1	820.9	-3.2	2230.9	2158.4	91799.1
298.	-19635.8	196.2	16.8	3901.8	-3621.9	54025.6
	-19537.9	820.9	-3.2	2230.9	2293.8	126689.3
340.	-19466.6	196.2	16.8	3901.8	-4335.7	62364.2
	-19368.7	820.9	-3.2	2230.9	2429.3	161579.6

Asta	41	nod	18	73		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-19167.8	-1247.0	28.5	4281.4	3953.8	209674.7
	-19063.9	-619.1	23.6	5674.4	3392.9	96102.2
43.	-18998.6	-1247.0	28.5	4281.4	2742.1	156679.2
	-18894.7	-619.1	23.6	5674.4	2391.4	69791.5
85.	-18829.3	-1247.0	28.5	4281.4	1530.3	103683.7
	-18725.5	-619.1	23.6	5674.4	1389.9	43480.9
128.	-18660.1	-1247.0	28.5	4281.4	318.6	50688.2
	-18556.3	-619.1	23.6	5674.4	388.5	17170.2
170.	-18490.9	-1247.0	28.5	4281.4	-893.1	-2307.3
	-18387.1	-619.1	23.6	5674.4	-613.0	-9140.5
213.	-18321.7	-1247.0	28.5	4281.4	-2104.9	-55302.8
	-18217.9	-619.1	23.6	5674.4	-1614.5	-35451.1
255.	-18152.5	-1247.0	28.5	4281.4	-3316.6	-108298.3
	-18048.7	-619.1	23.6	5674.4	-2616.0	-61761.8
298.	-17983.3	-1247.0	28.5	4281.4	-4528.3	-161293.8
	-17879.5	-619.1	23.6	5674.4	-3617.5	-88072.5
340.	-17814.1	-1247.0	28.5	4281.4	-5740.1	-214289.3
	-17710.3	-619.1	23.6	5674.4	-4618.9	-114383.1

Asta	42	nod	20	74		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-12455.6	-1307.3	15.4	3838.9	2045.1	218767.1
	-12447.2	-670.3	10.1	7122.4	1276.0	103637.3
43.	-12286.4	-1307.3	15.4	3838.9	1389.3	163205.2
	-12278.0	-670.3	10.1	7122.4	846.9	75150.5
85.	-12117.2	-1307.3	15.4	3838.9	733.6	107643.3
	-12108.8	-670.3	10.1	7122.4	417.7	46663.7
128.	-11948.0	-1307.3	15.4	3838.9	77.8	52081.3
	-11939.6	-670.3	10.1	7122.4	-11.5	18176.9
170.	-11778.8	-1307.3	15.4	3838.9	-578.0	-3480.6
	-11770.4	-670.3	10.1	7122.4	-440.7	-10310.0
213.	-11609.6	-1307.3	15.4	3838.9	-1233.7	-59042.5
	-11601.2	-670.3	10.1	7122.4	-869.8	-38796.8
255.	-11440.4	-1307.3	15.4	3838.9	-1889.5	-114604.4
	-11432.0	-670.3	10.1	7122.4	-1299.0	-67283.6
298.	-11271.2	-1307.3	15.4	3838.9	-2545.2	-170166.3
	-11262.8	-670.3	10.1	7122.4	-1728.2	-95770.4
340.	-11102.0	-1307.3	15.4	3838.9	-3201.0	-225728.3
	-11093.6	-670.3	10.1	7122.4	-2157.4	-124257.2

Asta	43	nod	22	75		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-12383.1	-618.5	-3.0	938.2	-5219.7	112301.3
	-12416.3	28.1	-2.0	4441.4	-4492.1	-4018.3
43.	-12213.9	-618.5	-3.0	938.2	-5092.8	86014.0
	-12247.1	28.1	-2.0	4441.4	-4405.1	-2824.7
85.	-12044.7	-618.5	-3.0	938.2	-4966.0	59726.6
	-12077.9	28.1	-2.0	4441.4	-4318.2	-1631.2
128.	-11875.5	-618.5	-3.0	938.2	-4839.1	33439.2
	-11908.7	28.1	-2.0	4441.4	-4231.2	-437.7
170.	-11706.3	-618.5	-3.0	938.2	-4712.3	7151.9

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213.	-11739.5	28.1	-2.0	4441.4	-4144.2	755.8
	-11537.1	-618.5	-3.0	938.2	-4585.5	-19135.5
	-11570.3	28.1	-2.0	4441.4	-4057.3	1949.3
255.	-11367.9	-618.5	-3.0	938.2	-4458.6	-45422.8
	-11401.1	28.1	-2.0	4441.4	-3970.3	3142.8
298.	-11198.7	-618.5	-3.0	938.2	-4331.8	-71710.2
	-11231.9	28.1	-2.0	4441.4	-3883.4	4336.3
340.	-11029.5	-618.5	-3.0	938.2	-4204.9	-97997.6
	-11062.7	28.1	-2.0	4441.4	-3796.4	5529.8
Asta	44	odi	24	76		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-19272.7	-141.3	-67.0	-3261.3	-23639.6	42752.4
	-19448.1	464.1	-66.2	-535.5	-20975.3	-69372.9
43.	-19103.5	-141.3	-67.0	-3261.3	-20793.2	36748.9
	-19278.9	464.1	-66.2	-535.5	-18160.8	-49650.0
85.	-18934.3	-141.3	-67.0	-3261.3	-17946.8	30745.4
	-19109.7	464.1	-66.2	-535.5	-15346.2	-29927.1
128.	-18765.1	-141.3	-67.0	-3261.3	-15100.3	24742.0
	-18940.5	464.1	-66.2	-535.5	-12531.6	-10204.2
170.	-18595.9	-141.3	-67.0	-3261.3	-12253.9	18738.5
	-18771.3	464.1	-66.2	-535.5	-9717.0	9518.7
213.	-18426.7	-141.3	-67.0	-3261.3	-9407.5	12735.0
	-18602.1	464.1	-66.2	-535.5	-6902.4	29241.6
255.	-18257.5	-141.3	-67.0	-3261.3	-6561.1	6731.5
	-18432.9	464.1	-66.2	-535.5	-4087.8	48964.5
298.	-18088.3	-141.3	-67.0	-3261.3	-3714.7	728.0
	-18263.7	464.1	-66.2	-535.5	-1273.2	68687.4
340.	-17919.1	-141.3	-67.0	-3261.3	-868.2	-5275.5
	-18094.5	464.1	-66.2	-535.5	1541.4	88410.3
Asta	45	odi	26	77		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-22104.6	-1026.0	-143.5	1463.4	-39529.8	187652.2
	-22000.5	-455.3	-45.1	4536.7	-18705.6	82173.2
43.	-21935.4	-1026.0	-143.5	1463.4	-33431.8	144047.9
	-21831.3	-455.3	-45.1	4536.7	-16787.1	62822.5
85.	-21766.2	-1026.0	-143.5	1463.4	-27333.7	100443.6
	-21662.1	-455.3	-45.1	4536.7	-14868.6	43471.8
128.	-21597.0	-1026.0	-143.5	1463.4	-21235.6	56839.3
	-21492.9	-455.3	-45.1	4536.7	-12950.1	24121.1
170.	-21427.8	-1026.0	-143.5	1463.4	-15137.6	13235.1
	-21323.7	-455.3	-45.1	4536.7	-11031.6	4770.4
213.	-21258.6	-1026.0	-143.5	1463.4	-9039.5	-30369.2
	-21154.5	-455.3	-45.1	4536.7	-9113.2	-14580.3
255.	-21089.4	-1026.0	-143.5	1463.4	-2941.4	-73973.5
	-20985.3	-455.3	-45.1	4536.7	-7194.7	-33931.0
298.	-20920.2	-1026.0	-143.5	1463.4	3156.6	-117577.8
	-20816.1	-455.3	-45.1	4536.7	-5276.2	-53281.7
340.	-20751.0	-1026.0	-143.5	1463.4	9254.7	-161182.0
	-20646.9	-455.3	-45.1	4536.7	-3357.7	-72632.4
Asta	46	odi	28	78		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-9336.5	-1148.1	-203.5	-12444.9	-59632.0	201651.9
	-9323.2	-48.8	-232.1	-6648.1	-70223.5	17500.0
43.	-9167.3	-1148.1	-203.5	-12444.9	-50983.3	152856.4
	-9154.0	-48.8	-232.1	-6648.1	-60358.1	15425.3
85.	-8998.1	-1148.1	-203.5	-12444.9	-42334.7	104060.8
	-8984.7	-48.8	-232.1	-6648.1	-50492.7	13350.6
128.	-8828.9	-1148.1	-203.5	-12444.9	-33686.0	55265.3
	-8815.5	-48.8	-232.1	-6648.1	-40627.3	11275.9
170.	-8659.7	-1148.1	-203.5	-12444.9	-25037.4	6469.7
	-8646.3	-48.8	-232.1	-6648.1	-30761.9	9201.2
213.	-8490.5	-1148.1	-203.5	-12444.9	-16388.7	-42325.9
	-8477.1	-48.8	-232.1	-6648.1	-20896.5	7126.5
255.	-8321.3	-1148.1	-203.5	-12444.9	-7740.0	-91121.4
	-8307.9	-48.8	-232.1	-6648.1	-11031.2	5051.8
298.	-8152.1	-1148.1	-203.5	-12444.9	908.6	-139917.0
	-8138.7	-48.8	-232.1	-6648.1	-1165.8	2977.1
340.	-7982.9	-1148.1	-203.5	-12444.9	9557.3	-188712.5
	-7969.5	-48.8	-232.1	-6648.1	8699.6	902.4
Asta	47	odi	30	79		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-11965.7	-379.4	358.6	-3998.3	83771.2	51159.7
	-11970.7	679.4	294.8	1087.7	69920.3	-133102.0
43.	-11796.5	-379.4	358.6	-3998.3	68530.8	35036.5
	-11801.5	679.4	294.8	1087.7	57391.7	-104227.3
85.	-11627.3	-379.4	358.6	-3998.3	53290.3	18913.3
	-11632.3	679.4	294.8	1087.7	44863.2	-75352.6
128.	-11458.1	-379.4	358.6	-3998.3	38049.8	2790.0
	-11463.1	679.4	294.8	1087.7	32334.7	-46477.9
170.	-11288.9	-379.4	358.6	-3998.3	22809.4	-13333.2
	-11293.9	679.4	294.8	1087.7	19806.1	-17603.2
213.	-11119.7	-379.4	358.6	-3998.3	7568.9	-29456.4
	-11124.7	679.4	294.8	1087.7	7277.6	11271.5
255.	-10950.5	-379.4	358.6	-3998.3	-7671.5	-45579.7
	-10955.5	679.4	294.8	1087.7	-5250.9	40146.2
298.	-10781.3	-379.4	358.6	-3998.3	-22912.0	-61702.9
	-10786.3	679.4	294.8	1087.7	-17779.5	69020.9
340.	-10612.1	-379.4	358.6	-3998.3	-38152.4	-77826.1
	-10617.1	679.4	294.8	1087.7	-30308.0	97895.6

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Asta	48	nod	32	80		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-12643.7	-2172.8	143.1	15145.6	49754.3	388941.8
	-12636.1	-1230.8	-1.7	580.2	27341.2	223895.3
43.	-12474.5	-2172.8	143.1	15145.6	43672.6	296598.5
	-12466.9	-1230.8	-1.7	580.2	27414.3	171586.8
85.	-12305.3	-2172.8	143.1	15145.6	37590.8	204255.2
	-12297.7	-1230.8	-1.7	580.2	27487.5	119278.2
128.	-12136.1	-2172.8	143.1	15145.6	31509.0	111911.8
	-12128.5	-1230.8	-1.7	580.2	27560.6	66969.7
170.	-11966.9	-2172.8	143.1	15145.6	25427.3	19568.5
	-11959.3	-1230.8	-1.7	580.2	27633.8	14661.1
213.	-11797.7	-2172.8	143.1	15145.6	19345.5	-72774.8
	-11790.0	-1230.8	-1.7	580.2	27706.9	-37647.4
255.	-11628.5	-2172.8	143.1	15145.6	13263.8	-165118.1
	-11620.8	-1230.8	-1.7	580.2	27780.1	-89956.0
298.	-11459.3	-2172.8	143.1	15145.6	7182.0	-257461.4
	-11451.6	-1230.8	-1.7	580.2	27853.2	-142264.5
340.	-11290.1	-2172.8	143.1	15145.6	1100.2	-349804.7
	-11282.4	-1230.8	-1.7	580.2	27926.4	-194573.0

Asta	49	nod	110	109		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-7719.6	2006.4	152.5	14956.5	32597.3	-309561.8
	-8144.9	2661.5	322.3	-9634.3	59232.9	-433727.1
43.	-7550.4	2006.4	152.5	14956.5	26115.2	-224288.6
	-7975.6	2661.5	322.3	-9634.3	45535.8	-320611.5
85.	-7381.2	2006.4	152.5	14956.5	19633.2	-139015.3
	-7806.4	2661.5	322.3	-9634.3	31838.8	-207495.9
128.	-7212.0	2006.4	152.5	14956.5	13151.1	-53742.0
	-7637.2	2661.5	322.3	-9634.3	18141.8	-94380.2
170.	-7042.8	2006.4	152.5	14956.5	6669.0	31531.2
	-7468.0	2661.5	322.3	-9634.3	4444.7	18735.4
213.	-6873.6	2006.4	152.5	14956.5	186.9	116804.5
	-7298.8	2661.5	322.3	-9634.3	-9252.3	131851.0
255.	-6704.4	2006.4	152.5	14956.5	-6295.2	202077.8
	-7129.6	2661.5	322.3	-9634.3	-22949.3	244966.6
298.	-6535.2	2006.4	152.5	14956.5	-12777.2	287351.0
	-6960.4	2661.5	322.3	-9634.3	-36646.3	358082.3
340.	-6366.0	2006.4	152.5	14956.5	-19259.3	372624.3
	-6791.2	2661.5	322.3	-9634.3	-50343.4	471197.9

Asta	50	nod	36	82		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-7818.1	1242.3	-382.3	18012.6	-83975.7	-164184.0
	-8456.8	2386.1	-290.3	-10364.9	-69964.1	-377187.6
43.	-7648.9	1242.3	-382.3	18012.6	-67728.7	-111385.7
	-8287.6	2386.1	-290.3	-10364.9	-57624.8	-275780.3
85.	-7479.7	1242.3	-382.3	18012.6	-51481.8	-58587.5
	-8118.3	2386.1	-290.3	-10364.9	-45285.5	-174372.9
128.	-7310.5	1242.3	-382.3	18012.6	-35234.8	-5789.3
	-7949.1	2386.1	-290.3	-10364.9	-32946.2	-72965.5
170.	-7141.3	1242.3	-382.3	18012.6	-18987.9	47008.9
	-7779.9	2386.1	-290.3	-10364.9	-20606.9	28441.8
213.	-6972.1	1242.3	-382.3	18012.6	-2740.9	99807.1
	-7610.7	2386.1	-290.3	-10364.9	-8267.6	129849.2
255.	-6802.9	1242.3	-382.3	18012.6	13506.0	152605.3
	-7441.5	2386.1	-290.3	-10364.9	4071.6	231256.6
298.	-6633.6	1242.3	-382.3	18012.6	29753.0	205403.6
	-7272.3	2386.1	-290.3	-10364.9	16410.9	332663.9
340.	-6464.4	1242.3	-382.3	18012.6	45999.9	258201.8
	-7103.1	2386.1	-290.3	-10364.9	28750.2	434071.3

Asta	51	nod	38	83		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-16293.6	-781.2	-24.4	16410.0	-5691.2	133217.4
	-16184.2	874.6	-26.8	18987.5	-6174.8	-151696.4
43.	-16124.4	-781.2	-24.4	16410.0	-4652.5	100016.1
	-16015.0	874.6	-26.8	18987.5	-5037.6	-114524.9
85.	-15955.2	-781.2	-24.4	16410.0	-3613.8	66814.9
	-15845.8	874.6	-26.8	18987.5	-3900.4	-77353.3
128.	-15786.0	-781.2	-24.4	16410.0	-2575.1	33613.6
	-15676.6	874.6	-26.8	18987.5	-2763.2	-40181.8
170.	-15616.8	-781.2	-24.4	16410.0	-1536.5	412.3
	-15507.4	874.6	-26.8	18987.5	-1626.0	-3010.2
213.	-15447.6	-781.2	-24.4	16410.0	-497.8	-32788.9
	-15338.2	874.6	-26.8	18987.5	-488.9	34161.3
255.	-15278.4	-781.2	-24.4	16410.0	540.9	-65990.2
	-15169.0	874.6	-26.8	18987.5	648.3	71332.9
298.	-15109.2	-781.2	-24.4	16410.0	1579.6	-99191.5
	-14999.7	874.6	-26.8	18987.5	1785.5	108504.4
340.	-14940.0	-781.2	-24.4	16410.0	2618.3	-132392.7
	-14830.5	874.6	-26.8	18987.5	2922.7	145676.0

Asta	52	nod	40	84		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-9876.6	-3144.5	-510.4	16814.4	-98511.7	485404.9
	-9431.0	-2030.6	-673.3	-15237.5	-123263.9	277327.9
43.	-9707.4	-3144.5	-510.4	16814.4	-76819.7	351761.9
	-9261.8	-2030.6	-673.3	-15237.5	-94649.8	191025.4
85.	-9538.2	-3144.5	-510.4	16814.4	-55127.7	218118.9
	-9092.6	-2030.6	-673.3	-15237.5	-66035.7	104722.8
128.	-9369.0	-3144.5	-510.4	16814.4	-33435.8	84475.8
	-8923.4	-2030.6	-673.3	-15237.5	-37421.5	18420.3

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170.	-9199.8	-3144.5	-510.4	16814.4	-11743.8	-49167.2
	-8754.2	-2030.6	-673.3	-15237.5	-8807.4	-67882.3
213.	-9030.6	-3144.5	-510.4	16814.4	9948.1	-182810.2
	-8585.0	-2030.6	-673.3	-15237.5	19806.7	-154184.8
255.	-8861.4	-3144.5	-510.4	16814.4	31640.1	-316453.3
	-8415.8	-2030.6	-673.3	-15237.5	48420.9	-240487.3
298.	-8692.2	-3144.5	-510.4	16814.4	53332.1	-450096.3
	-8246.6	-2030.6	-673.3	-15237.5	77035.0	-326789.9
340.	-8523.0	-3144.5	-510.4	16814.4	75024.0	-583739.3
	-8077.4	-2030.6	-673.3	-15237.5	105649.2	-413092.4
Asta	53	odi	42	85		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-9041.8	2111.4	-255.6	-15388.2	-55141.8	-291847.2
	-9326.6	2549.8	-322.3	-8030.3	-68968.0	-380926.4
43.	-8872.6	2111.4	-255.6	-15388.2	-44280.1	-202113.3
	-9157.4	2549.8	-322.3	-8030.3	-55270.8	-272561.5
85.	-8703.4	2111.4	-255.6	-15388.2	-33418.4	-112379.4
	-8988.2	2549.8	-322.3	-8030.3	-41573.5	-164196.7
128.	-8534.2	2111.4	-255.6	-15388.2	-22556.7	-22645.4
	-8819.0	2549.8	-322.3	-8030.3	-27876.3	-55831.9
170.	-8365.0	2111.4	-255.6	-15388.2	-11694.9	67088.5
	-8649.8	2549.8	-322.3	-8030.3	-14179.1	52532.9
213.	-8195.8	2111.4	-255.6	-15388.2	-833.2	156822.4
	-8480.6	2549.8	-322.3	-8030.3	-481.9	160897.8
255.	-8026.6	2111.4	-255.6	-15388.2	10028.5	246556.3
	-8311.3	2549.8	-322.3	-8030.3	13215.3	269262.6
298.	-7857.4	2111.4	-255.6	-15388.2	20890.2	336290.2
	-8142.1	2549.8	-322.3	-8030.3	26912.6	377627.4
340.	-7688.2	2111.4	-255.6	-15388.2	31752.0	426024.2
	-7972.9	2549.8	-322.3	-8030.3	40609.8	485992.2
Asta	54	odi	44	86		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-15574.2	-1178.8	0.9	-7180.8	-88.6	195595.6
	-15656.6	-498.5	-12.1	-9818.9	-4260.9	73983.4
43.	-15405.0	-1178.8	0.9	-7180.8	-128.2	145495.8
	-15487.4	-498.5	-12.1	-9818.9	-3746.2	52797.2
85.	-15235.8	-1178.8	0.9	-7180.8	-167.8	95396.0
	-15318.2	-498.5	-12.1	-9818.9	-3231.5	31610.9
128.	-15066.6	-1178.8	0.9	-7180.8	-207.5	45296.2
	-15149.0	-498.5	-12.1	-9818.9	-2716.8	10424.7
170.	-14897.4	-1178.8	0.9	-7180.8	-247.1	-4803.7
	-14979.8	-498.5	-12.1	-9818.9	-2202.1	-10761.6
213.	-14728.2	-1178.8	0.9	-7180.8	-286.8	-54903.5
	-14810.6	-498.5	-12.1	-9818.9	-1687.3	-31947.8
255.	-14559.0	-1178.8	0.9	-7180.8	-326.4	-105003.3
	-14641.4	-498.5	-12.1	-9818.9	-1172.6	-53134.1
298.	-14389.8	-1178.8	0.9	-7180.8	-366.0	-155103.1
	-14472.2	-498.5	-12.1	-9818.9	-657.9	-74320.3
340.	-14220.6	-1178.8	0.9	-7180.8	-405.7	-205202.9
	-14303.0	-498.5	-12.1	-9818.9	-143.2	-95506.6
Asta	55	odi	46	87		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-8534.2	-1655.0	-1109.0	-17813.5	-241803.0	239827.2
	-8114.8	-1177.7	-1019.3	-7097.5	-228822.7	145589.8
43.	-8365.0	-1655.0	-1109.0	-17813.5	-194669.4	169487.8
	-7945.6	-1177.7	-1019.3	-7097.5	-185500.5	95537.1
85.	-8195.8	-1655.0	-1109.0	-17813.5	-147535.9	99148.5
	-7776.4	-1177.7	-1019.3	-7097.5	-142178.3	45484.3
128.	-8026.5	-1655.0	-1109.0	-17813.5	-100402.3	28809.2
	-7607.2	-1177.7	-1019.3	-7097.5	-98856.1	-4568.5
170.	-7857.3	-1655.0	-1109.0	-17813.5	-53268.8	-41530.2
	-7438.0	-1177.7	-1019.3	-7097.5	-55533.9	-54621.3
213.	-7688.1	-1655.0	-1109.0	-17813.5	-6135.2	-111869.5
	-7268.8	-1177.7	-1019.3	-7097.5	-12211.7	-104674.1
255.	-7518.9	-1655.0	-1109.0	-17813.5	40998.4	-182208.8
	-7099.6	-1177.7	-1019.3	-7097.5	31110.5	-154726.8
298.	-7349.7	-1655.0	-1109.0	-17813.5	88131.9	-252548.2
	-6930.4	-1177.7	-1019.3	-7097.5	74432.7	-204779.6
340.	-7180.5	-1655.0	-1109.0	-17813.5	135265.5	-322887.5
	-6761.2	-1177.7	-1019.3	-7097.5	117754.9	-254832.4
Asta	56	odi	48	88		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-11682.9	440.0	-474.9	-14772.5	-74786.8	-180071.7
	-11291.4	1213.5	-463.8	-18118.9	-75574.6	-313212.1
43.	-11513.7	440.0	-474.9	-14772.5	-54605.0	-161372.2
	-11122.2	1213.5	-463.8	-18118.9	-55864.1	-261640.4
85.	-11344.5	440.0	-474.9	-14772.5	-34423.1	-142672.7
	-10953.0	1213.5	-463.8	-18118.9	-36153.7	-210068.6
128.	-11175.3	440.0	-474.9	-14772.5	-14241.3	-123973.3
	-10783.8	1213.5	-463.8	-18118.9	-16443.3	-158496.8
170.	-11006.1	440.0	-474.9	-14772.5	5940.5	-105273.8
	-10614.6	1213.5	-463.8	-18118.9	3267.1	-106925.0
213.	-10836.9	440.0	-474.9	-14772.5	26122.4	-86574.4
	-10445.4	1213.5	-463.8	-18118.9	22977.6	-55353.2
255.	-10667.7	440.0	-474.9	-14772.5	46304.2	-67874.9
	-10276.2	1213.5	-463.8	-18118.9	42688.0	-3781.4
298.	-10498.5	440.0	-474.9	-14772.5	66486.0	-49175.5
	-10107.0	1213.5	-463.8	-18118.9	62398.4	47790.4
340.	-10329.3	440.0	-474.9	-14772.5	86667.8	-30476.0
	-9937.8	1213.5	-463.8	-18118.9	82108.8	99362.2

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Asta	57	nod	50	89		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-13799.5	-1064.1	10.8	3274.0	3760.2	175831.8
	-13728.0	-90.8	-38.6	5338.4	-6364.9	8758.9
43.	-13630.3	-1064.1	10.8	3274.0	3302.7	130605.7
	-13558.8	-90.8	-38.6	5338.4	-4725.6	4899.5
85.	-13461.1	-1064.1	10.8	3274.0	2845.1	85379.6
	-13389.5	-90.8	-38.6	5338.4	-3086.2	1040.0
128.	-13291.9	-1064.1	10.8	3274.0	2387.6	40153.5
	-13220.3	-90.8	-38.6	5338.4	-1446.8	-2819.5
170.	-13122.7	-1064.1	10.8	3274.0	1930.0	-5072.6
	-13051.1	-90.8	-38.6	5338.4	192.5	-6678.9
213.	-12953.5	-1064.1	10.8	3274.0	1472.5	-50298.6
	-12881.9	-90.8	-38.6	5338.4	1831.9	-10538.4
255.	-12784.3	-1064.1	10.8	3274.0	1014.9	-95524.7
	-12712.7	-90.8	-38.6	5338.4	3471.2	-14397.9
298.	-12615.1	-1064.1	10.8	3274.0	557.4	-140750.8
	-12543.5	-90.8	-38.6	5338.4	5110.6	-18257.3
340.	-12445.9	-1064.1	10.8	3274.0	99.8	-185976.9
	-12374.3	-90.8	-38.6	5338.4	6749.9	-22116.8
Asta	58	nod	52	90		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-13670.9	-873.6	22.7	422.8	6577.7	152418.2
	-13698.5	78.9	1.6	5907.0	774.8	-12441.5
43.	-13501.7	-873.6	22.7	422.8	5613.1	115292.1
	-13529.3	78.9	1.6	5907.0	707.5	-9086.3
85.	-13332.5	-873.6	22.7	422.8	4648.4	78165.9
	-13360.1	78.9	1.6	5907.0	640.2	-5731.1
128.	-13163.3	-873.6	22.7	422.8	3683.7	41039.8
	-13190.9	78.9	1.6	5907.0	572.8	-2375.9
170.	-12994.1	-873.6	22.7	422.8	2719.1	3913.7
	-13021.7	78.9	1.6	5907.0	505.5	979.3
213.	-12824.9	-873.6	22.7	422.8	1754.4	-33212.4
	-12852.5	78.9	1.6	5907.0	438.2	4334.5
255.	-12655.7	-873.6	22.7	422.8	789.7	-70338.5
	-12683.3	78.9	1.6	5907.0	370.8	7689.6
298.	-12486.5	-873.6	22.7	422.8	-174.9	-107464.7
	-12514.1	78.9	1.6	5907.0	303.5	11044.8
340.	-12317.3	-873.6	22.7	422.8	-1139.6	-144590.8
	-12344.9	78.9	1.6	5907.0	236.2	14400.0
Asta	59	nod	54	91		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-11727.4	-592.4	0.6	18416.7	2375.3	95573.5
	-11701.7	375.5	-16.2	16514.6	140.4	-60741.6
43.	-11558.2	-592.4	0.6	18416.7	2349.4	70395.4
	-11532.5	375.5	-16.2	16514.6	828.2	-44784.9
85.	-11388.9	-592.4	0.6	18416.7	2323.4	45217.4
	-11363.3	375.5	-16.2	16514.6	1516.0	-28828.2
128.	-11219.7	-592.4	0.6	18416.7	2297.5	20039.4
	-11194.1	375.5	-16.2	16514.6	2203.8	-12871.5
170.	-11050.5	-592.4	0.6	18416.7	2271.5	-5138.6
	-11024.9	375.5	-16.2	16514.6	2891.6	3085.2
213.	-10881.3	-592.4	0.6	18416.7	2245.6	-30316.7
	-10855.7	375.5	-16.2	16514.6	3579.4	19041.8
255.	-10712.1	-592.4	0.6	18416.7	2219.7	-55494.7
	-10686.5	375.5	-16.2	16514.6	4267.2	34998.5
298.	-10542.9	-592.4	0.6	18416.7	2193.7	-80672.7
	-10517.3	375.5	-16.2	16514.6	4955.0	50955.2
340.	-10373.7	-592.4	0.6	18416.7	2167.8	-105850.7
	-10348.1	375.5	-16.2	16514.6	5642.8	66911.9
Asta	60	nod	56	92		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-26747.2	742.0	-202.6	8816.6	-69895.4	-285490.1
	-26297.8	1181.5	-231.0	-3788.8	-68592.2	-370390.0
43.	-26578.0	742.0	-202.6	8816.6	-61284.6	-253955.0
	-26128.6	1181.5	-231.0	-3788.8	-58772.6	-320175.0
85.	-26408.8	742.0	-202.6	8816.6	-52673.7	-222419.9
	-25959.4	1181.5	-231.0	-3788.8	-48953.0	-269960.0
128.	-26239.6	742.0	-202.6	8816.6	-44062.9	-190884.8
	-25790.2	1181.5	-231.0	-3788.8	-39133.4	-219744.9
170.	-26070.4	742.0	-202.6	8816.6	-35452.1	-159349.7
	-25621.0	1181.5	-231.0	-3788.8	-29313.8	-169529.9
213.	-25901.2	742.0	-202.6	8816.6	-26841.3	-127814.7
	-25451.8	1181.5	-231.0	-3788.8	-19494.2	-119314.8
255.	-25732.0	742.0	-202.6	8816.6	-18230.5	-96279.6
	-25282.6	1181.5	-231.0	-3788.8	-9674.5	-69099.8
298.	-25562.8	742.0	-202.6	8816.6	-9619.7	-64744.5
	-25113.4	1181.5	-231.0	-3788.8	145.1	-18884.8
340.	-25393.6	742.0	-202.6	8816.6	-1008.9	-33209.4
	-24944.2	1181.5	-231.0	-3788.8	9964.7	31330.3
Asta	61	nod	58	93		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-16365.3	-691.7	-4.1	2594.2	-2330.1	100698.0
	-16356.9	-738.1	-3.5	1013.1	-2093.3	108597.2
43.	-16196.1	-691.7	-4.1	2594.2	-2154.6	71298.8
	-16187.7	-738.1	-3.5	1013.1	-1944.7	77225.9
85.	-16026.9	-691.7	-4.1	2594.2	-1979.1	41899.7
	-16018.5	-738.1	-3.5	1013.1	-1796.0	45854.6
128.	-15857.7	-691.7	-4.1	2594.2	-1803.7	12500.5

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170.	-15849.3	-738.1	-3.5	1013.1	-1647.4	14483.4
	-15688.5	-691.7	-4.1	2594.2	-1628.2	-16898.7
	-15680.1	-738.1	-3.5	1013.1	-1498.7	-16887.9
213.	-15519.3	-691.7	-4.1	2594.2	-1452.7	-46297.8
	-15510.9	-738.1	-3.5	1013.1	-1350.1	-48259.2
255.	-15350.1	-691.7	-4.1	2594.2	-1277.2	-75697.0
	-15341.7	-738.1	-3.5	1013.1	-1201.5	-79630.5
298.	-15180.9	-691.7	-4.1	2594.2	-1101.8	-105096.2
	-15172.5	-738.1	-3.5	1013.1	-1052.8	-111001.7
340.	-15011.7	-691.7	-4.1	2594.2	-926.3	-134495.3
	-15003.3	-738.1	-3.5	1013.1	-904.2	-142373.0
Asta	62	nod	60	94		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-15468.4	732.1	-8.1	3916.7	-2983.6	-97823.3
	-15475.7	686.2	-5.5	2419.9	-2201.4	-90023.1
43.	-15299.2	732.1	-8.1	3916.7	-2637.5	-66708.7
	-15306.5	686.2	-5.5	2419.9	-1965.9	-60858.1
85.	-15130.0	732.1	-8.1	3916.7	-2291.3	-35594.0
	-15137.3	686.2	-5.5	2419.9	-1730.5	-31693.1
128.	-14960.8	732.1	-8.1	3916.7	-1945.1	-4479.4
	-14968.1	686.2	-5.5	2419.9	-1495.0	-2528.1
170.	-14791.6	732.1	-8.1	3916.7	-1598.9	26635.3
	-14798.9	686.2	-5.5	2419.9	-1259.6	26636.9
213.	-14622.4	732.1	-8.1	3916.7	-1252.8	57749.9
	-14629.7	686.2	-5.5	2419.9	-1024.1	55801.9
255.	-14453.2	732.1	-8.1	3916.7	-906.6	88864.6
	-14460.5	686.2	-5.5	2419.9	-788.7	84966.9
298.	-14284.0	732.1	-8.1	3916.7	-560.4	119979.2
	-14291.3	686.2	-5.5	2419.9	-553.2	114131.9
340.	-14114.8	732.1	-8.1	3916.7	-214.2	151093.9
	-14122.1	686.2	-5.5	2419.9	-317.8	143296.9
Asta	63	nod	62	95		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-11756.7	370.2	-7.5	4013.5	-1560.3	-55526.5
	-11761.3	321.2	-4.8	2632.2	-809.1	-47260.6
43.	-11587.5	370.2	-7.5	4013.5	-1240.8	-39791.8
	-11592.1	321.2	-4.8	2632.2	-603.1	-33610.0
85.	-11418.3	370.2	-7.5	4013.5	-921.3	-24057.0
	-11422.9	321.2	-4.8	2632.2	-397.0	-19959.3
128.	-11249.1	370.2	-7.5	4013.5	-601.8	-8322.2
	-11253.7	321.2	-4.8	2632.2	-191.0	-6308.7
170.	-11079.9	370.2	-7.5	4013.5	-282.3	7412.5
	-11084.5	321.2	-4.8	2632.2	15.0	7342.0
213.	-10910.7	370.2	-7.5	4013.5	37.2	23147.3
	-10915.3	321.2	-4.8	2632.2	221.0	20992.7
255.	-10741.5	370.2	-7.5	4013.5	356.7	38882.1
	-10746.1	321.2	-4.8	2632.2	427.0	34643.3
298.	-10572.3	370.2	-7.5	4013.5	676.2	54616.8
	-10576.9	321.2	-4.8	2632.2	633.0	48294.0
340.	-10403.1	370.2	-7.5	4013.5	995.7	70351.6
	-10407.7	321.2	-4.8	2632.2	839.0	61944.6
Asta	64	nod	64	96		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-11833.8	356.6	53.6	2505.9	15497.5	-50022.0
	-11831.7	306.7	51.6	976.3	14671.7	-41576.1
43.	-11664.6	356.6	53.6	2505.9	13218.0	-34864.4
	-11662.5	306.7	51.6	976.3	12478.0	-28543.4
85.	-11495.4	356.6	53.6	2505.9	10938.5	-19706.8
	-11493.3	306.7	51.6	976.3	10284.4	-15510.7
128.	-11326.2	356.6	53.6	2505.9	8659.0	-4549.2
	-11324.1	306.7	51.6	976.3	8090.7	-2477.9
170.	-11157.0	356.6	53.6	2505.9	6379.5	10608.4
	-11154.9	306.7	51.6	976.3	5897.1	10554.8
213.	-10987.8	356.6	53.6	2505.9	4100.0	25766.0
	-10985.6	306.7	51.6	976.3	3703.4	23587.5
255.	-10818.6	356.6	53.6	2505.9	1820.5	40923.6
	-10816.4	306.7	51.6	976.3	1509.8	36620.2
298.	-10649.4	356.6	53.6	2505.9	-459.0	56081.2
	-10647.2	306.7	51.6	976.3	-683.8	49652.9
340.	-10480.2	356.6	53.6	2505.9	-2738.4	71238.8
	-10478.0	306.7	51.6	976.3	-2877.5	62685.6
Asta	65	nod	92	97		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3779.4	-1080.7	-2.2	627.4	-1929.0	150741.3
	-3672.3	-1047.5	13.6	6115.8	2208.3	161721.2
40.	-3620.1	-1080.7	-2.2	627.4	-1841.3	107514.6
	-3513.1	-1047.5	13.6	6115.8	1663.2	119820.9
80.	-3460.9	-1080.7	-2.2	627.4	-1753.6	64287.8
	-3353.8	-1047.5	13.6	6115.8	1118.1	77920.6
120.	-3301.6	-1080.7	-2.2	627.4	-1665.8	21061.0
	-3194.6	-1047.5	13.6	6115.8	573.0	36020.3
160.	-3142.4	-1080.7	-2.2	627.4	-1578.1	-22165.7
	-3035.3	-1047.5	13.6	6115.8	27.9	-5879.9
200.	-2983.1	-1080.7	-2.2	627.4	-1490.3	-65392.5
	-2876.1	-1047.5	13.6	6115.8	-517.2	-47780.2
240.	-2823.9	-1080.7	-2.2	627.4	-1402.6	-108619.2
	-2716.8	-1047.5	13.6	6115.8	-1062.3	-89680.5
280.	-2664.6	-1080.7	-2.2	627.4	-1314.9	-151846.0
	-2557.6	-1047.5	13.6	6115.8	-1607.5	-131580.8
320.	-2505.4	-1080.7	-2.2	627.4	-1227.1	-195072.7

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	-2398.3	-1047.5	13.6	6115.8	-2152.6	-173481.0
Asta	66	66	77	98		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-657.8	-130.9	7.2	1464.8	3478.8	-17422.6
	-576.6	61.7	-31.2	100.7	-5795.7	-34680.9
40.	-498.6	-130.9	7.2	1464.8	3189.8	-22660.0
	-417.4	61.7	-31.2	100.7	-4549.6	-32214.8
80.	-339.3	-130.9	7.2	1464.8	2900.8	-27897.5
	-258.1	61.7	-31.2	100.7	-3303.5	-29748.8
120.	-180.1	-130.9	7.2	1464.8	2611.8	-33135.0
	-98.9	61.7	-31.2	100.7	-2057.4	-27282.7
160.	-20.8	-130.9	7.2	1464.8	2322.8	-38372.5
	60.4	61.7	-31.2	100.7	-811.3	-24816.6
200.	138.4	-130.9	7.2	1464.8	2033.8	-43610.0
	219.6	61.7	-31.2	100.7	434.9	-22350.5
240.	297.7	-130.9	7.2	1464.8	1744.8	-48847.5
	378.9	61.7	-31.2	100.7	1681.0	-19884.4
280.	456.9	-130.9	7.2	1464.8	1455.8	-54085.0
	538.1	61.7	-31.2	100.7	2927.1	-17418.3
320.	616.2	-130.9	7.2	1464.8	1166.8	-59322.5
	697.4	61.7	-31.2	100.7	4173.2	-14952.3
Asta	67	67	76	99		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2721.1	1019.5	-5.0	-2960.2	-1549.8	-194898.3
	-2909.4	1178.0	17.5	-5343.2	3587.3	-211217.3
40.	-2561.9	1019.5	-5.0	-2960.2	-1348.5	-154119.4
	-2750.1	1178.0	17.5	-5343.2	2886.4	-164097.7
80.	-2402.6	1019.5	-5.0	-2960.2	-1147.3	-113340.6
	-2590.9	1178.0	17.5	-5343.2	2185.4	-116978.1
120.	-2243.4	1019.5	-5.0	-2960.2	-946.0	-72561.7
	-2431.6	1178.0	17.5	-5343.2	1484.4	-69858.5
160.	-2084.1	1019.5	-5.0	-2960.2	-744.7	-31782.9
	-2272.4	1178.0	17.5	-5343.2	783.4	-22738.9
200.	-1924.9	1019.5	-5.0	-2960.2	-543.5	8996.0
	-2113.1	1178.0	17.5	-5343.2	82.4	24380.7
240.	-1765.6	1019.5	-5.0	-2960.2	-342.2	49774.8
	-1953.9	1178.0	17.5	-5343.2	-618.6	71500.3
280.	-1606.4	1019.5	-5.0	-2960.2	-140.9	90553.7
	-1794.6	1178.0	17.5	-5343.2	-1319.6	118619.9
320.	-1447.1	1019.5	-5.0	-2960.2	60.3	131332.6
	-1635.4	1178.0	17.5	-5343.2	-2020.6	165739.5
Asta	68	68	70	100		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3134.0	1319.4	23.1	4635.8	10361.2	-222985.4
	-3196.2	1276.9	-6.6	10539.9	2239.0	-200033.0
40.	-2974.8	1319.4	23.1	4635.8	9435.4	-170211.0
	-3037.0	1276.9	-6.6	10539.9	2502.1	-148957.7
80.	-2815.5	1319.4	23.1	4635.8	8509.7	-117436.7
	-2877.7	1276.9	-6.6	10539.9	2765.2	-97882.3
120.	-2656.3	1319.4	23.1	4635.8	7583.9	-64662.3
	-2718.5	1276.9	-6.6	10539.9	3028.4	-46807.0
160.	-2497.0	1319.4	23.1	4635.8	6658.2	-11888.0
	-2559.2	1276.9	-6.6	10539.9	3291.5	4268.4
200.	-2337.8	1319.4	23.1	4635.8	5732.4	40886.3
	-2400.0	1276.9	-6.6	10539.9	3554.6	55343.7
240.	-2178.5	1319.4	23.1	4635.8	4806.7	93660.7
	-2240.7	1276.9	-6.6	10539.9	3817.8	106419.0
280.	-2019.3	1319.4	23.1	4635.8	3880.9	146435.0
	-2081.5	1276.9	-6.6	10539.9	4080.9	157494.4
320.	-1860.0	1319.4	23.1	4635.8	2955.2	199209.4
	-1922.2	1276.9	-6.6	10539.9	4344.0	208569.7
Asta	69	69	71	101		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-900.6	471.6	-6.1	4859.3	-1089.4	-49705.0
	-951.5	561.6	22.6	2778.1	4601.7	-53569.4
40.	-741.3	471.6	-6.1	4859.3	-846.2	-30839.0
	-792.2	561.6	22.6	2778.1	3698.5	-31104.5
80.	-582.1	471.6	-6.1	4859.3	-602.9	-11973.1
	-633.0	561.6	22.6	2778.1	2795.2	-8639.7
120.	-422.8	471.6	-6.1	4859.3	-359.7	6892.9
	-473.7	561.6	22.6	2778.1	1891.9	13825.2
160.	-263.6	471.6	-6.1	4859.3	-116.4	25758.9
	-314.5	561.6	22.6	2778.1	988.6	36290.0
200.	-104.3	471.6	-6.1	4859.3	126.8	44624.8
	-155.2	561.6	22.6	2778.1	85.3	58754.9
240.	54.9	471.6	-6.1	4859.3	370.1	63490.8
	4.0	561.6	22.6	2778.1	-817.9	81219.7
280.	214.2	471.6	-6.1	4859.3	613.4	82356.8
	163.3	561.6	22.6	2778.1	-1721.2	103684.6
320.	373.4	471.6	-6.1	4859.3	856.6	101222.7
	322.5	561.6	22.6	2778.1	-2624.5	126149.4
Asta	70	70	72	102		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1603.6	-435.4	-4.5	3895.5	-2840.0	37271.1
	-1609.5	-326.6	15.0	1230.6	2455.5	32892.2
40.	-1444.4	-435.4	-4.5	3895.5	-2661.7	19856.6
	-1450.2	-326.6	15.0	1230.6	1854.8	19828.1
80.	-1285.1	-435.4	-4.5	3895.5	-2483.3	2442.0
	-1291.0	-326.6	15.0	1230.6	1254.2	6763.9

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120.	-1125.9	-435.4	-4.5	3895.5	-2305.0	-14972.6
	-1131.7	-326.6	15.0	1230.6	653.5	-6300.2
160.	-966.6	-435.4	-4.5	3895.5	-2126.7	-32387.2
	-972.5	-326.6	15.0	1230.6	52.8	-19364.3
200.	-807.4	-435.4	-4.5	3895.5	-1948.4	-49801.7
	-813.2	-326.6	15.0	1230.6	-547.8	-32428.5
240.	-648.1	-435.4	-4.5	3895.5	-1770.1	-67216.3
	-654.0	-326.6	15.0	1230.6	-1148.5	-45492.6
280.	-488.9	-435.4	-4.5	3895.5	-1591.8	-84630.9
	-494.7	-326.6	15.0	1230.6	-1749.2	-58556.7
320.	-329.6	-435.4	-4.5	3895.5	-1413.5	-102045.5
	-335.5	-326.6	15.0	1230.6	-2349.8	-71620.9
Asta	71	73	103			
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2923.5	-1468.2	-12.6	1668.5	-6431.8	267358.2
	-2804.5	-1399.3	-31.0	-1887.0	-9296.2	267021.5
40.	-2764.2	-1468.2	-12.6	1668.5	-5927.6	208630.1
	-2645.3	-1399.3	-31.0	-1887.0	-8055.4	211047.8
80.	-2605.0	-1468.2	-12.6	1668.5	-5423.4	149901.9
	-2486.0	-1399.3	-31.0	-1887.0	-6814.6	155074.2
120.	-2445.7	-1468.2	-12.6	1668.5	-4919.2	91173.8
	-2326.8	-1399.3	-31.0	-1887.0	-5573.8	99100.5
160.	-2286.5	-1468.2	-12.6	1668.5	-4415.0	32445.7
	-2167.5	-1399.3	-31.0	-1887.0	-4333.0	43126.9
200.	-2127.2	-1468.2	-12.6	1668.5	-3910.9	-26282.5
	-2008.3	-1399.3	-31.0	-1887.0	-3092.2	-12846.8
240.	-1968.0	-1468.2	-12.6	1668.5	-3406.7	-85010.6
	-1849.0	-1399.3	-31.0	-1887.0	-1851.3	-68820.4
280.	-1808.7	-1468.2	-12.6	1668.5	-2902.5	-143738.7
	-1689.8	-1399.3	-31.0	-1887.0	-610.5	-124794.1
320.	-1649.5	-1468.2	-12.6	1668.5	-2398.3	-202466.9
	-1530.5	-1399.3	-31.0	-1887.0	630.3	-180767.7
Asta	72	63	9			
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2737.4	6494.0	-101.2	-23564.6	-10321.9	-253840.2
	-2760.4	6493.0	-136.0	-23895.5	-18959.6	-253738.0
34.	-2737.4	4777.1	-101.2	-23564.6	-6856.4	-60822.1
	-2760.4	4776.2	-136.0	-23895.5	-14301.1	-60752.2
69.	-2737.4	3060.3	-101.2	-23564.6	-3390.9	73393.8
	-2760.4	3059.3	-136.0	-23895.5	-9642.6	73431.4
103.	-2737.4	1343.4	-101.2	-23564.6	74.6	148807.4
	-2760.4	1342.5	-136.0	-23895.5	-4984.1	148812.7
137.	-2737.4	-373.4	-101.2	-23564.6	3540.0	165418.8
	-2760.4	-374.4	-136.0	-23895.5	-325.6	165391.8
171.	-2737.4	-2090.3	-101.2	-23564.6	7005.5	123228.0
	-2760.4	-2091.2	-136.0	-23895.5	4332.9	123168.7
206.	-2737.4	-3807.1	-101.2	-23564.6	10471.0	22235.0
	-2760.4	-3808.1	-136.0	-23895.5	8991.3	22143.4
240.	-2737.4	-5524.0	-101.2	-23564.6	13936.5	-137560.3
	-2760.4	-5524.9	-136.0	-23895.5	13649.8	-137684.1
274.	-2737.4	-7240.8	-101.2	-23564.6	17402.0	-356157.8
	-2760.4	-7241.8	-136.0	-23895.5	18308.3	-356313.9
Asta	73	1	3			
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3935.7	9998.7	9.5	17554.5	-2246.2	-653931.3
	-3845.2	9995.5	15.4	17105.5	3717.5	-653269.0
50.	-3935.7	7514.3	9.5	17554.5	-2716.5	-219937.9
	-3845.2	7511.0	15.4	17105.5	2955.0	-219435.8
99.	-3935.7	5029.8	9.5	17554.5	-3186.8	90921.1
	-3845.2	5026.6	15.4	17105.5	2192.5	91263.2
149.	-3935.7	2545.4	9.5	17554.5	-3657.1	278645.9
	-3845.2	2542.2	15.4	17105.5	1430.0	278827.9
198.	-3935.7	61.0	9.5	17554.5	-4127.4	343236.4
	-3845.2	57.8	15.4	17105.5	667.5	343258.3
248.	-3935.7	-2423.4	9.5	17554.5	-4597.7	284692.6
	-3845.2	-2426.7	15.4	17105.5	-95.0	284554.4
297.	-3935.7	-4907.8	9.5	17554.5	-5068.0	103014.5
	-3845.2	-4911.1	15.4	17105.5	-857.5	102716.3
347.	-3935.7	-7392.3	9.5	17554.5	-5538.3	-201797.8
	-3845.2	-7395.5	15.4	17105.5	-1620.0	-202256.2
397.	-3935.7	-9876.7	9.5	17554.5	-6008.6	-629744.5
	-3845.2	-9879.9	15.4	17105.5	-2382.5	-630362.9
Asta	74	3	5			
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-4380.3	10185.4	-24.5	-2305.4	-6045.7	-698924.1
	-4309.6	10183.3	-17.8	-1993.7	-3489.1	-698482.8
50.	-4380.3	7679.1	-24.5	-2305.4	-4818.4	-252312.0
	-4309.6	7676.9	-17.8	-1993.7	-2601.5	-251977.2
100.	-4380.3	5172.7	-24.5	-2305.4	-3591.2	68982.4
	-4309.6	5170.6	-17.8	-1993.7	-1714.0	69210.7
150.	-4380.3	2666.4	-24.5	-2305.4	-2363.9	264959.0
	-4309.6	2664.2	-17.8	-1993.7	-826.4	265080.8
200.	-4380.3	160.0	-24.5	-2305.4	-1136.6	335617.8
	-4309.6	157.9	-17.8	-1993.7	61.1	335633.2
250.	-4380.3	-2346.4	-24.5	-2305.4	90.7	280958.9
	-4309.6	-2348.5	-17.8	-1993.7	948.7	280867.8
300.	-4380.3	-4852.7	-24.5	-2305.4	1317.9	100982.2
	-4309.6	-4854.8	-17.8	-1993.7	1836.2	100784.7
350.	-4380.3	-7359.1	-24.5	-2305.4	2545.2	-204312.2
	-4309.6	-7361.2	-17.8	-1993.7	2723.8	-204616.2

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400.	-4380.3 -4309.6	-9865.4 -9867.5	-24.5 -17.8	-2305.4 -1993.7	3772.5 3611.3	-634924.4 -635334.8
Asta	75	nodì	5	7		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-4528.9 -4498.4	10252.9 10251.1	-2.2 -3.6	-2502.7 -1995.5	-125.2 -547.8	-701938.6 -701565.9
50.	-4528.9 -4498.4	7730.9 7729.1	-2.2 -3.6	-2502.7 -1995.5	-13.8 -366.7	-249534.5 -249249.5
101.	-4528.9 -4498.4	5208.9 5207.1	-2.2 -3.6	-2502.7 -1995.5	97.5 -185.6	75980.4 76177.8
151.	-4528.9 -4498.4	2686.8 2685.1	-2.2 -3.6	-2502.7 -1995.5	208.8 -4.6	274606.2 274716.0
201.	-4528.9 -4498.4	164.8 163.1	-2.2 -3.6	-2502.7 -1995.5	320.2 176.5	346342.9 346365.1
252.	-4528.9 -4498.4	-2357.2 -2358.9	-2.2 -3.6	-2502.7 -1995.5	431.5 357.5	291190.5 291125.0
302.	-4528.9 -4498.4	-4879.2 -4881.0	-2.2 -3.6	-2502.7 -1995.5	542.8 538.6	109149.0 108995.8
352.	-4528.9 -4498.4	-7401.2 -7403.0	-2.2 -3.6	-2502.7 -1995.5	654.2 719.7	-199781.7 -200022.5
403.	-4528.9 -4498.4	-9923.3 -9925.0	-2.2 -3.6	-2502.7 -1995.5	765.5 900.7	-635601.5 -635929.9
Asta	76	nodì	7	57		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3544.5 -3537.0	7564.9 7561.9	-2.3 -4.8	-1868.0 -1338.4	-294.4 -604.7	-396068.5 -395614.6
37.	-3544.5 -3537.0	5710.2 5707.2	-2.3 -4.8	-1868.0 -1338.4	-208.2 -428.9	-150480.9 -150137.1
74.	-3544.5 -3537.0	3855.4 3852.5	-2.3 -4.8	-1868.0 -1338.4	-122.1 -253.1	26482.7 26716.5
111.	-3544.5 -3537.0	2000.7 1997.8	-2.3 -4.8	-1868.0 -1338.4	-35.9 -77.3	134822.3 134946.1
148.	-3544.5 -3537.0	146.0 143.1	-2.3 -4.8	-1868.0 -1338.4	50.2 98.5	174538.0 174551.7
185.	-3544.5 -3537.0	-1708.7 -1711.6	-2.3 -4.8	-1868.0 -1338.4	136.4 274.3	145629.6 145533.3
222.	-3544.5 -3537.0	-3563.4 -3566.3	-2.3 -4.8	-1868.0 -1338.4	222.6 450.1	48097.2 47890.8
259.	-3544.5 -3537.0	-5418.1 -5421.0	-2.3 -4.8	-1868.0 -1338.4	308.7 625.9	-118059.2 -118375.6
296.	-3544.5 -3537.0	-7272.8 -7275.7	-2.3 -4.8	-1868.0 -1338.4	394.9 801.7	-352839.5 -353266.0
Asta	77	nodì	57	59		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-4600.6 -4610.5	8910.6 8909.1	0.5 1.2	-1410.4 -970.6	302.7 292.4	-519204.6 -518931.7
44.	-4600.6 -4610.5	6683.1 6681.6	0.5 1.2	-1410.4 -970.6	281.3 237.9	-172731.1 -172525.5
89.	-4600.6 -4610.5	4455.6 4454.1	0.5 1.2	-1410.4 -970.6	259.8 183.5	74756.8 74895.1
133.	-4600.6 -4610.5	2228.1 2226.5	0.5 1.2	-1410.4 -970.6	238.3 129.0	223259.1 223330.2
178.	-4600.6 -4610.5	0.5 -1.0	0.5 1.2	-1410.4 -970.6	216.9 74.6	272776.0 272779.7
222.	-4600.6 -4610.5	-2227.0 -2228.5	0.5 1.2	-1410.4 -970.6	195.4 20.1	223307.2 223243.6
267.	-4600.6 -4610.5	-4454.5 -4456.0	0.5 1.2	-1410.4 -970.6	173.9 -34.3	74852.9 74722.0
311.	-4600.6 -4610.5	-6682.0 -6683.5	0.5 1.2	-1410.4 -970.6	152.4 -88.8	-172586.9 -172785.1
356.	-4600.6 -4610.5	-8909.6 -8911.1	0.5 1.2	-1410.4 -970.6	131.0 -143.2	-519012.4 -519277.8
Asta	78	nodì	59	61		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-4502.1 -4534.2	7456.3 7454.6	-2.2 4.1	-1103.2 -780.8	1313.9 551.2	-370574.6 -370309.5
37.	-4502.1 -4534.2	5598.5 5596.7	-2.2 4.1	-1103.2 -780.8	1396.1 399.6	-128652.0 -128452.5
74.	-4502.1 -4534.2	3740.7 3738.9	-2.2 4.1	-1103.2 -780.8	1478.3 248.0	44414.5 44548.6
111.	-4502.1 -4534.2	1882.8 1881.1	-2.2 4.1	-1103.2 -780.8	1560.5 96.4	148625.1 148693.6
148.	-4502.1 -4534.2	25.0 23.2	-2.2 4.1	-1103.2 -780.8	1642.7 -55.2	183979.5 183982.5
185.	-4502.1 -4534.2	-1832.8 -1834.6	-2.2 4.1	-1103.2 -780.8	1724.9 -206.7	150478.0 150415.5
222.	-4502.1 -4534.2	-3690.7 -3692.4	-2.2 4.1	-1103.2 -780.8	1807.1 -358.3	48120.4 47992.4
259.	-4502.1 -4534.2	-5548.5 -5550.3	-2.2 4.1	-1103.2 -780.8	1889.3 -509.9	-123093.2 -123286.8
297.	-4502.1 -4534.2	-7406.3 -7408.1	-2.2 4.1	-1103.2 -780.8	1971.4 -661.5	-363162.8 -363421.9
Asta	79	nodì	61	63		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-4237.0 -4269.5	6439.3 6437.8	47.8 57.0	-2500.4 -2292.8	6277.2 2760.7	-260971.9 -260780.4
34.	-4237.0 -4269.5	4753.8 4752.2	47.8 57.0	-2500.4 -2292.8	4669.8 843.5	-72788.5 -72648.3
67.	-4237.0	3068.2	47.8	-2500.4	3062.3	58719.1

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101.	-4269.5	3066.7	57.0	-2292.8	-1073.6	58808.0
	-4237.0	1382.7	47.8	-2500.4	1454.9	133551.0
	-4269.5	1381.2	57.0	-2292.8	-2990.8	133588.7
135.	-4237.0	-302.8	47.8	-2500.4	-152.5	151707.2
	-4269.5	-304.3	57.0	-2292.8	-4907.9	151693.6
168.	-4237.0	-1988.3	47.8	-2500.4	-1759.9	113187.7
	-4269.5	-1989.8	57.0	-2292.8	-6825.1	113122.7
202.	-4237.0	-3673.8	47.8	-2500.4	-3367.3	17992.4
	-4269.5	-3675.4	57.0	-2292.8	-8742.2	17876.2
235.	-4237.0	-5359.4	47.8	-2500.4	-4974.7	-133878.6
	-4269.5	-5360.9	57.0	-2292.8	-10659.4	-134046.1
269.	-4237.0	-7044.9	47.8	-2500.4	-6582.2	-342425.4
	-4269.5	-7046.4	57.0	-2292.8	-12576.5	-342644.2
Asta	80	nodì	49	31		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	2346.1	5789.5	6.7	-8794.3	1667.0	-352265.8
	1774.1	5690.4	75.6	-7038.8	-4524.7	-337265.6
39.	2346.1	4444.9	6.7	-8794.3	1405.0	-153014.3
	1774.1	4345.9	75.6	-7038.8	-7467.2	-141871.4
78.	2346.1	3100.4	6.7	-8794.3	1142.9	-6116.5
	1774.1	3001.3	75.6	-7038.8	-10409.7	1169.0
117.	2346.1	1755.8	6.7	-8794.3	880.9	88427.6
	1774.1	1656.8	75.6	-7038.8	-13352.3	91855.7
156.	2346.1	411.3	6.7	-8794.3	618.8	130617.9
	1774.1	312.2	75.6	-7038.8	-16294.8	130188.7
195.	2346.1	-933.3	6.7	-8794.3	356.8	120454.5
	1774.1	-1032.4	75.6	-7038.8	-19237.4	116167.9
234.	2346.1	-2277.9	6.7	-8794.3	94.7	57937.3
	1774.1	-2376.9	75.6	-7038.8	-22179.9	49793.3
273.	2346.1	-3622.4	6.7	-8794.3	-167.3	-56933.6
	1774.1	-3721.5	75.6	-7038.8	-25122.5	-68935.0
312.	2346.1	-4967.0	6.7	-8794.3	-429.4	-224158.3
	1774.1	-5066.0	75.6	-7038.8	-28065.0	-240017.1
Asta	81	nodì	51	49		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	4133.7	5718.6	1.5	1798.0	-3518.2	-319872.5
	2475.0	5630.4	40.8	1574.8	2152.5	-304843.7
41.	4133.7	4302.9	1.5	1798.0	-3578.3	-114431.6
	2475.0	4214.6	40.8	1574.8	478.1	-103022.5
82.	4133.7	2887.1	1.5	1798.0	-3638.5	32962.3
	2475.0	2798.8	40.8	1574.8	-1196.3	40751.7
123.	4133.7	1471.3	1.5	1798.0	-3698.7	122309.3
	2475.0	1383.0	40.8	1574.8	-2870.7	126479.0
164.	4133.7	55.5	1.5	1798.0	-3758.9	153609.4
	2475.0	-32.8	40.8	1574.8	-4545.1	154159.4
205.	4133.7	-1360.3	1.5	1798.0	-3819.0	126862.5
	2475.0	-1448.5	40.8	1574.8	-6219.5	123792.8
246.	4133.7	-2776.0	1.5	1798.0	-3879.2	42068.6
	2475.0	-2864.3	40.8	1574.8	-7894.0	35379.2
287.	4133.7	-4191.8	1.5	1798.0	-3939.4	-100772.2
	2475.0	-4280.1	40.8	1574.8	-9568.4	-111081.3
328.	4133.7	-5607.6	1.5	1798.0	-3999.5	-301659.9
	2475.0	-5695.9	40.8	1574.8	-11242.8	-315588.7
Asta	82	nodì	29	51		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	1596.5	4989.2	9.9	12393.7	-615.3	-228689.2
	-1489.7	4870.3	55.5	10622.8	14475.7	-208824.0
38.	1596.5	3661.9	9.9	12393.7	-996.8	-62424.6
	-1489.7	3543.0	55.5	10622.8	12342.2	-47130.7
77.	1596.5	2334.6	9.9	12393.7	-1378.2	52822.2
	-1489.7	2215.7	55.5	10622.8	10208.7	63544.8
115.	1596.5	1007.4	9.9	12393.7	-1759.7	117051.1
	-1489.7	888.4	55.5	10622.8	8075.2	123202.5
154.	1596.5	-319.9	9.9	12393.7	-2141.1	130262.2
	-1489.7	-438.9	55.5	10622.8	5941.7	131842.4
192.	1596.5	-1647.2	9.9	12393.7	-2522.6	92455.5
	-1489.7	-1766.2	55.5	10622.8	3808.2	89464.5
231.	1596.5	-2974.5	9.9	12393.7	-2904.0	3630.9
	-1489.7	-3093.5	55.5	10622.8	1674.7	-3931.3
269.	1596.5	-4301.8	9.9	12393.7	-3285.5	-136211.4
	-1489.7	-4420.7	55.5	10622.8	-458.8	-148344.9
308.	1596.5	-5629.1	9.9	12393.7	-3666.9	-327071.6
	-1489.7	-5748.0	55.5	10622.8	-2592.3	-343776.3
Asta	83	nodì	37	35		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1609.3	8035.4	-54.9	-7911.2	-236.1	-593268.9
	-1094.8	8047.1	43.5	-6891.8	-4625.9	-595600.4
53.	-1609.3	6092.7	-54.9	-7911.2	2657.0	-221080.0
	-1094.8	6104.5	43.5	-6891.8	-6918.5	-222794.1
105.	-1609.3	4150.1	-54.9	-7911.2	5550.0	48753.5
	-1094.8	4161.8	43.5	-6891.8	-9211.0	47656.8
158.	-1609.3	2207.4	-54.9	-7911.2	8443.0	216231.6
	-1094.8	2219.1	43.5	-6891.8	-11503.5	215752.3
211.	-1609.3	264.7	-54.9	-7911.2	11336.0	281354.3
	-1094.8	276.4	43.5	-6891.8	-13796.0	281492.4
263.	-1609.3	-1678.0	-54.9	-7911.2	14229.0	244121.6
	-1094.8	-1666.3	43.5	-6891.8	-16088.5	244877.2
316.	-1609.3	-3620.7	-54.9	-7911.2	17122.1	104533.6
	-1094.8	-3609.0	43.5	-6891.8	-18381.1	105906.6
369.	-1609.3	-5563.4	-54.9	-7911.2	20015.1	-137409.9

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422.	-1094.8 -1609.3 -1094.8	-5551.7 -7506.1 -7494.4	43.5 -54.9 43.5	-6891.8 -7911.2 -6891.8	-20673.6 22908.1 -22966.1	-135419.4 -481708.7 -479100.8
Asta PROGR.	84 NORM	odi TYY	39 TZZ	37 TORS	MYY	MZZ
0.	-1584.3 -1814.5	8535.7 8538.0	-85.9 36.8	-17144.3 -16245.1	-32497.5 18794.7	-643921.4 -644801.1
58.	-1584.3 -1814.5	6394.9 6397.2	-85.9 36.8	-17144.3 -16245.1	-27509.0 16655.6	-210467.6 -211214.1
116.	-1584.3 -1814.5	4254.0 4256.3	-85.9 36.8	-17144.3 -16245.1	-22520.6 14516.6	98681.8 98068.3
174.	-1584.3 -1814.5	2113.1 2115.4	-85.9 36.8	-17144.3 -16245.1	-17532.1 12377.5	283526.5 283046.2
232.	-1584.3 -1814.5	-27.8 -25.5	-85.9 36.8	-17144.3 -16245.1	-12543.6 10238.4	344066.8 343719.6
290.	-1584.3 -1814.5	-2168.6 -2166.3	-85.9 36.8	-17144.3 -16245.1	-7555.2 8099.4	280302.4 280088.4
348.	-1584.3 -1814.5	-4309.5 -4307.2	-85.9 36.8	-17144.3 -16245.1	-2566.7 5960.3	92233.6 92152.7
406.	-1584.3 -1814.5	-6450.4 -6448.1	-85.9 36.8	-17144.3 -16245.1	2421.7 3821.2	-220139.8 -220087.6
465.	-1584.3 -1814.5	-8591.3 -8589.0	-85.9 36.8	-17144.3 -16245.1	7410.2 1682.2	-656817.7 -656632.4
Asta PROGR.	85 NORM	odi TYY	43 TZZ	41 TORS	MYY	MZZ
0.	-2858.8 -2764.2	8566.3 8598.1	58.5 92.9	17231.1 17174.2	8673.9 11078.3	-649836.6 -657060.1
58.	-2858.8 -2764.2	6425.4 6457.2	58.5 92.9	17231.1 17174.2	5276.8 5682.7	-214607.6 -219984.8
116.	-2858.8 -2764.2	4284.6 4316.4	58.5 92.9	17231.1 17174.2	1879.6 287.1	96316.8 92786.1
174.	-2858.8 -2764.2	2143.7 2175.5	58.5 92.9	17231.1 17174.2	-1517.5 -5108.5	282936.7 281252.4
232.	-2858.8 -2764.2	2.8 34.6	58.5 92.9	17231.1 17174.2	-4914.7 -10504.1	345252.1 345414.2
290.	-2858.8 -2764.2	-2138.1 -2106.3	58.5 92.9	17231.1 17174.2	-8311.8 -15899.7	283263.0 285271.4
348.	-2858.8 -2764.2	-4278.9 -4247.1	58.5 92.9	17231.1 17174.2	-11709.0 -21295.3	96969.3 100824.1
406.	-2858.8 -2764.2	-6419.8 -6388.0	58.5 92.9	17231.1 17174.2	-15106.1 -26690.9	-213629.0 -207927.8
465.	-2858.8 -2764.2	-8560.7 -8528.9	58.5 92.9	17231.1 17174.2	-18503.3 -32086.5	-648531.8 -640984.1
Asta PROGR.	86 NORM	odi TYY	45 TZZ	43 TORS	MYY	MZZ
0.	-3265.2 -3301.4	7001.7 7045.4	70.1 93.6	6423.7 5690.4	14536.0 28251.7	-418761.6 -427606.4
49.	-3265.2 -3301.4	5192.6 5236.4	70.1 93.6	6423.7 5690.4	11096.5 23660.3	-119620.5 -126318.9
98.	-3265.2 -3301.4	3383.6 3427.4	70.1 93.6	6423.7 5690.4	7657.0 19069.0	90765.2 86213.2
147.	-3265.2 -3301.4	1574.6 1618.3	70.1 93.6	6423.7 5690.4	4217.5 14477.6	212395.4 209989.9
196.	-3265.2 -3301.4	-234.5 -190.7	70.1 93.6	6423.7 5690.4	777.9 9886.2	245270.3 245011.2
245.	-3265.2 -3301.4	-2043.5 -1999.7	70.1 93.6	6423.7 5690.4	-2661.6 5294.8	189389.7 191277.0
294.	-3265.2 -3301.4	-3852.5 -3808.8	70.1 93.6	6423.7 5690.4	-6101.1 703.4	44753.7 48787.5
343.	-3265.2 -3301.4	-5661.5 -5617.8	70.1 93.6	6423.7 5690.4	-9540.6 -3888.0	-188637.7 -182457.5
393.	-3265.2 -3301.4	-7470.6 -7426.8	70.1 93.6	6423.7 5690.4	-12980.2 -8479.4	-510784.6 -502457.9
Asta PROGR.	87 NORM	odi TYY	35 TZZ	104 TORS	MYY	MZZ
0.	-1348.6 -1289.5	3243.3 3208.8	202.0 -178.9	14458.6 11226.1	36465.8 -21620.5	-188731.9 -182374.9
45.	-1348.6 -1289.5	2435.9 2401.3	202.0 -178.9	14458.6 11226.1	27463.1 -13648.3	-62192.7 -57375.6
89.	-1348.6 -1289.5	1628.4 1593.8	202.0 -178.9	14458.6 11226.1	18460.4 -5676.1	28363.6 31640.8
134.	-1348.6 -1289.5	820.9 786.4	202.0 -178.9	14458.6 11226.1	9457.7 2296.1	82936.8 84674.1
178.	-1348.6 -1289.5	13.4 -21.1	202.0 -178.9	14458.6 11226.1	454.9 10268.3	101527.0 101724.5
223.	-1348.6 -1289.5	-794.0 -828.6	202.0 -178.9	14458.6 11226.1	-8547.8 18240.5	84134.3 82791.8
267.	-1348.6 -1289.5	-1601.5 -1636.1	202.0 -178.9	14458.6 11226.1	-17550.5 26212.7	30758.5 27876.2
312.	-1348.6 -1289.5	-2409.0 -2443.5	202.0 -178.9	14458.6 11226.1	-26553.2 34184.8	-58600.2 -63022.5
357.	-1348.6 -1289.5	-3216.5 -3251.0	202.0 -178.9	14458.6 11226.1	-35555.9 42157.0	-183942.0 -189904.1
Asta PROGR.	88 NORM	odi TYY	104 TZZ	11 TORS	MYY	MZZ
0.	-1333.9 -1153.4	2390.5 2344.3	193.6 198.3	-3388.2 2945.9	32337.6 40852.2	-89109.0 -81876.9
39.	-1333.9 -1153.4	1683.9 1637.6	193.6 198.3	-3388.2 2945.9	24787.1 33117.4	-9658.1 -4230.9

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78.	-1333.9	977.2	193.6	-3388.2	17236.6	42232.2
	-1153.4	930.9	198.3	2945.9	25382.6	45854.5
117.	-1333.9	270.5	193.6	-3388.2	9686.1	66562.0
	-1153.4	224.2	198.3	2945.9	17647.7	68379.4
156.	-1333.9	-436.2	193.6	-3388.2	2135.6	63331.2
	-1153.4	-482.5	198.3	2945.9	9912.9	63343.8
195.	-1333.9	-1142.9	193.6	-3388.2	-5414.8	32540.0
	-1153.4	-1189.1	198.3	2945.9	2178.0	30747.6
234.	-1333.9	-1849.5	193.6	-3388.2	-12965.3	-25811.8
	-1153.4	-1895.8	198.3	2945.9	-5556.8	-29409.0
273.	-1333.9	-2556.2	193.6	-3388.2	-20515.8	-111724.1
	-1153.4	-2602.5	198.3	2945.9	-13291.7	-117126.2
312.	-1333.9	-3262.9	193.6	-3388.2	-28066.3	-225196.9
	-1153.4	-3309.2	198.3	2945.9	-21026.5	-232403.9
Asta	89	nodì	11	9		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	1810.2	5468.4	26.4	-5345.0	5366.1	-534423.7
	1913.3	5454.1	35.9	-6413.1	7967.8	-530157.4
76.	1810.2	4090.2	26.4	-5345.0	3354.5	-170897.7
	1913.3	4075.9	35.9	-6413.1	5240.1	-167720.8
152.	1810.2	2711.9	26.4	-5345.0	1343.0	87795.0
	1913.3	2697.6	35.9	-6413.1	2512.4	89882.4
228.	1810.2	1333.7	26.4	-5345.0	-668.5	241654.3
	1913.3	1319.4	35.9	-6413.1	-215.3	242652.3
304.	1810.2	-44.6	26.4	-5345.0	-2680.0	290680.3
	1913.3	-58.9	35.9	-6413.1	-2943.0	290588.8
380.	1810.2	-1422.8	26.4	-5345.0	-4691.6	234872.9
	1913.3	-1437.2	35.9	-6413.1	-5670.8	233692.0
456.	1810.2	-2801.1	26.4	-5345.0	-6703.1	74232.3
	1913.3	-2815.4	35.9	-6413.1	-8398.5	71961.9
532.	1810.2	-4179.3	26.4	-5345.0	-8714.6	-191241.7
	1913.3	-4193.7	35.9	-6413.1	-11126.2	-194601.5
609.	1810.2	-5557.6	26.4	-5345.0	-10726.1	-561549.1
	1913.3	-5571.9	35.9	-6413.1	-13853.9	-565998.3
Asta	90	nodì	105	1		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	6736.1	5592.9	97.5	67184.3	30707.4	-574363.9
	6611.3	5594.6	84.6	65515.9	26118.4	-574574.9
76.	6736.1	4214.6	97.5	67184.3	23288.9	-201371.2
	6611.3	4216.3	84.6	65515.9	19686.1	-201455.3
152.	6736.1	2836.4	97.5	67184.3	15870.3	66788.1
	6611.3	2838.1	84.6	65515.9	13253.8	66830.9
228.	6736.1	1458.1	97.5	67184.3	8451.7	230114.1
	6611.3	1459.8	84.6	65515.9	6821.6	230283.9
304.	6736.1	79.9	97.5	67184.3	1033.2	288606.7
	6611.3	81.6	84.6	65515.9	389.3	288903.5
380.	6736.1	-1298.4	97.5	67184.3	-6385.4	242266.1
	6611.3	-1296.7	84.6	65515.9	-6043.0	242689.7
456.	6736.1	-2676.6	97.5	67184.3	-13804.0	91092.1
	6611.3	-2675.0	84.6	65515.9	-12475.3	91642.6
532.	6736.1	-4054.9	97.5	67184.3	-21222.5	-164915.3
	6611.3	-4053.2	84.6	65515.9	-18907.5	-164237.8
609.	6736.1	-5433.1	97.5	67184.3	-28641.1	-525755.9
	6611.3	-5431.5	84.6	65515.9	-25339.8	-524951.5
Asta	91	nodì	106	105		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	9249.7	2341.3	-274.7	-59419.0	-40270.4	-92214.2
	9042.2	2344.6	-288.5	-59424.2	-41332.4	-92614.1
39.	9249.7	1634.6	-274.7	-59419.0	-29559.1	-14684.4
	9042.2	1637.9	-288.5	-59424.2	-30079.2	-14955.7
78.	9249.7	927.9	-274.7	-59419.0	-18847.7	35285.0
	9042.2	931.2	-288.5	-59424.2	-18826.1	35142.3
117.	9249.7	221.2	-274.7	-59419.0	-8136.4	57693.8
	9042.2	224.5	-288.5	-59424.2	-7572.9	57679.7
156.	9249.7	-485.4	-274.7	-59419.0	2575.0	52542.2
	9042.2	-482.1	-288.5	-59424.2	3680.3	52656.6
195.	9249.7	-1192.1	-274.7	-59419.0	13286.3	19829.9
	9042.2	-1188.8	-288.5	-59424.2	14933.4	20073.0
234.	9249.7	-1898.8	-274.7	-59419.0	23997.7	-40442.8
	9042.2	-1895.5	-288.5	-59424.2	26186.6	-40071.1
273.	9249.7	-2605.5	-274.7	-59419.0	34709.0	-128276.0
	9042.2	-2602.2	-288.5	-59424.2	37439.7	-127775.8
312.	9249.7	-3312.2	-274.7	-59419.0	45420.4	-243669.8
	9042.2	-3308.9	-288.5	-59424.2	48692.9	-243041.0
Asta	92	nodì	45	106		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	3747.3	2725.2	-260.1	-67396.0	-50867.8	-95015.4
	3632.7	2744.1	-316.9	-66089.6	-57834.7	-98707.1
45.	3747.3	1917.7	-260.1	-67396.0	-39276.5	8433.5
	3632.7	1936.6	-316.9	-66089.6	-43712.5	5584.0
89.	3747.3	1110.2	-260.1	-67396.0	-27685.2	75899.4
	3632.7	1129.1	-316.9	-66089.6	-29590.4	73892.1
134.	3747.3	302.8	-260.1	-67396.0	-16093.9	107382.4
	3632.7	321.7	-316.9	-66089.6	-15468.2	106217.3
178.	3747.3	-504.7	-260.1	-67396.0	-4502.6	102882.3
	3632.7	-485.8	-316.9	-66089.6	-1346.1	102559.4
223.	3747.3	-1312.2	-260.1	-67396.0	7088.7	62399.3
	3632.7	-1293.3	-316.9	-66089.6	12776.1	62918.5
267.	3747.3	-2119.7	-260.1	-67396.0	18680.0	-14066.7
	3632.7	-2100.8	-316.9	-66089.6	26898.2	-12705.3

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312.	3747.3	-2927.1	-260.1	-67396.0	30271.3	-126515.8
	3632.7	-2908.2	-316.9	-66089.6	41020.4	-124312.2
357.	3747.3	-3734.6	-260.1	-67396.0	41862.6	-274947.8
	3632.7	-3715.7	-316.9	-66089.6	55142.6	-271902.0

Asta	93	nod	87	107		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1079.6	959.1	268.9	62010.3	35268.7	-130050.6
	-1149.3	854.7	-449.3	65204.8	-45314.9	-112486.7
45.	-1079.6	820.0	268.9	62010.3	23285.1	-90409.7
	-1149.3	715.7	-449.3	65204.8	-25292.0	-77496.3
89.	-1079.6	681.0	268.9	62010.3	11301.6	-56964.6
	-1149.3	576.6	-449.3	65204.8	-5269.0	-48701.6
134.	-1079.6	542.0	268.9	62010.3	-682.0	-29715.2
	-1149.3	437.6	-449.3	65204.8	14754.0	-26102.6
178.	-1079.6	402.9	268.9	62010.3	-12665.6	-8661.6
	-1149.3	298.6	-449.3	65204.8	34777.0	-9699.4
223.	-1079.6	263.9	268.9	62010.3	-24649.1	6196.3
	-1149.3	159.5	-449.3	65204.8	54799.9	508.1
267.	-1079.6	124.9	268.9	62010.3	-36632.7	14858.4
	-1149.3	20.5	-449.3	65204.8	74822.9	4519.8
312.	-1079.6	-14.2	268.9	62010.3	-48616.2	17324.8
	-1149.3	-118.5	-449.3	65204.8	94845.9	2335.8
357.	-1079.6	-153.2	268.9	62010.3	-60599.8	13595.4
	-1149.3	-257.6	-449.3	65204.8	114868.9	-6044.0

Asta	94	nod	107	108		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1674.4	1033.3	-700.4	10473.8	-150324.7	-73390.1
	-1751.4	1091.5	553.6	13580.3	69044.3	-89521.3
39.	-1674.4	911.6	-700.4	10473.8	-123010.3	-35465.6
	-1751.4	969.9	553.6	13580.3	47452.3	-49324.2
78.	-1674.4	789.9	-700.4	10473.8	-95695.9	-2286.6
	-1751.4	848.2	553.6	13580.3	25860.2	-13872.7
117.	-1674.4	668.2	-700.4	10473.8	-68381.6	26146.8
	-1751.4	726.5	553.6	13580.3	4268.1	16833.3
156.	-1674.4	546.5	-700.4	10473.8	-41067.2	49834.7
	-1751.4	604.8	553.6	13580.3	-17323.9	42793.8
195.	-1674.4	424.9	-700.4	10473.8	-13752.9	68777.1
	-1751.4	483.1	553.6	13580.3	-38916.0	64008.7
234.	-1674.4	303.2	-700.4	10473.8	13561.5	82973.9
	-1751.4	361.5	553.6	13580.3	-60508.1	80478.2
273.	-1674.4	181.5	-700.4	10473.8	40875.8	92425.3
	-1751.4	239.8	553.6	13580.3	-82100.1	92202.1
312.	-1674.4	59.8	-700.4	10473.8	68190.2	97131.1
	-1751.4	118.1	553.6	13580.3	-103692.2	99180.5

Asta	95	nod	108	65		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2035.2	337.3	-76.6	-52728.7	-25625.5	92515.7
	-1985.6	356.0	-155.1	-47150.5	-72161.0	89852.6
76.	-2035.2	100.0	-76.6	-52728.7	-19795.6	109144.8
	-1985.6	118.7	-155.1	-47150.5	-60360.8	107908.4
152.	-2035.2	-137.3	-76.6	-52728.7	-13965.6	107723.2
	-1985.6	-118.6	-155.1	-47150.5	-48560.6	107913.3
228.	-2035.2	-374.7	-76.6	-52728.7	-8135.7	88250.7
	-1985.6	-355.9	-155.1	-47150.5	-36760.4	89867.5
304.	-2035.2	-612.0	-76.6	-52728.7	-2305.8	50727.5
	-1985.6	-593.2	-155.1	-47150.5	-24960.2	53770.9
380.	-2035.2	-849.3	-76.6	-52728.7	3524.1	-4846.4
	-1985.6	-830.5	-155.1	-47150.5	-13160.0	-376.4
456.	-2035.2	-1086.6	-76.6	-52728.7	9354.0	-78471.2
	-1985.6	-1067.9	-155.1	-47150.5	-1359.8	-72574.5
532.	-2035.2	-1323.9	-76.6	-52728.7	15184.0	-170146.7
	-1985.6	-1305.2	-155.1	-47150.5	10440.4	-162823.4
609.	-2035.2	-1561.2	-76.6	-52728.7	21013.9	-279873.0
	-1985.6	-1542.5	-155.1	-47150.5	22240.6	-271123.1

Asta	96	nod	70	69		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1044.7	870.1	-53.7	-9401.2	-19405.8	-73122.9
	-1112.1	839.3	-121.0	-4669.4	-59404.8	-64631.6
76.	-1044.7	632.8	-53.7	-9401.2	-15318.2	-15968.4
	-1112.1	602.0	-121.0	-4669.4	-50202.6	-9817.4
152.	-1044.7	395.4	-53.7	-9401.2	-11230.6	23135.2
	-1112.1	364.7	-121.0	-4669.4	-41000.4	26946.1
228.	-1044.7	158.1	-53.7	-9401.2	-7143.0	44188.2
	-1112.1	127.4	-121.0	-4669.4	-31798.2	45658.9
304.	-1044.7	-79.2	-53.7	-9401.2	-3055.4	47190.3
	-1112.1	-110.0	-121.0	-4669.4	-22596.0	46320.8
380.	-1044.7	-316.5	-53.7	-9401.2	1032.2	32141.7
	-1112.1	-347.3	-121.0	-4669.4	-13393.8	28932.0
456.	-1044.7	-553.8	-53.7	-9401.2	5119.8	-957.7
	-1112.1	-584.6	-121.0	-4669.4	-4191.6	-6507.5
532.	-1044.7	-791.1	-53.7	-9401.2	9207.4	-52107.9
	-1112.1	-821.9	-121.0	-4669.4	5010.7	-59997.9
609.	-1044.7	-1028.4	-53.7	-9401.2	13295.0	-121308.8
	-1112.1	-1059.2	-121.0	-4669.4	14212.9	-131539.0

Asta	97	nod	109	70		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-596.4	270.8	336.8	-10755.3	85445.6	10742.4
	-726.4	192.3	1257.8	2738.1	215799.3	23152.7
39.	-596.4	149.1	336.8	-10755.3	72308.8	18930.9

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78.	-726.4	70.6	1257.8	2738.1	166744.1	28278.1
	-596.4	27.4	336.8	-10755.3	59171.9	22373.8
117.	-726.4	-51.1	1257.8	2738.1	117689.0	28657.9
	-596.4	-94.2	336.8	-10755.3	46035.0	21071.3
	-726.4	-172.8	1257.8	2738.1	68633.9	24292.2
156.	-596.4	-215.9	336.8	-10755.3	32898.2	15023.2
	-726.4	-294.5	1257.8	2738.1	19578.8	15181.0
195.	-596.4	-337.6	336.8	-10755.3	19761.3	4229.5
	-726.4	-416.1	1257.8	2738.1	-29476.3	1324.3
234.	-596.4	-459.3	336.8	-10755.3	6624.5	-11309.6
	-726.4	-537.8	1257.8	2738.1	-78531.5	-17277.9
273.	-596.4	-581.0	336.8	-10755.3	-6512.4	-31594.2
	-726.4	-659.5	1257.8	2738.1	-127586.6	-40625.7
312.	-596.4	-702.6	336.8	-10755.3	-19649.3	-56624.4
	-726.4	-781.2	1257.8	2738.1	-176641.7	-68718.9
Asta	98	82	109			
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-499.4	581.5	91.8	-4795.1	20543.1	-36545.7
	-522.0	506.0	438.6	13926.3	94311.9	-22169.4
45.	-499.4	442.5	91.8	-4795.1	16453.7	-13730.4
	-522.0	366.9	438.6	13926.3	74766.2	-2719.7
89.	-499.4	303.4	91.8	-4795.1	12364.4	2889.2
	-522.0	227.9	438.6	13926.3	55220.6	10534.2
134.	-499.4	164.4	91.8	-4795.1	8275.0	13313.0
	-522.0	88.9	438.6	13926.3	35674.9	17592.4
178.	-499.4	25.4	91.8	-4795.1	4185.6	17541.1
	-522.0	-50.2	438.6	13926.3	16129.3	18454.8
223.	-499.4	-113.7	91.8	-4795.1	96.3	15573.5
	-522.0	-189.2	438.6	13926.3	-3416.4	13121.5
267.	-499.4	-252.7	91.8	-4795.1	-3993.1	7410.1
	-522.0	-328.2	438.6	13926.3	-22962.0	1592.4
312.	-499.4	-391.7	91.8	-4795.1	-8082.4	-6949.1
	-522.0	-467.3	438.6	13926.3	-42507.7	-16132.4
357.	-499.4	-530.8	91.8	-4795.1	-12171.8	-27504.0
	-522.0	-606.3	438.6	13926.3	-62053.4	-40053.0
Asta	99	84	80			
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-417.8	860.5	162.1	14009.7	20605.5	-87096.5
	-468.4	1019.6	761.0	37926.7	105134.7	-115152.7
45.	-417.8	721.4	162.1	14009.7	13383.0	-51850.0
	-468.4	880.6	761.0	37926.7	71224.8	-72813.0
89.	-417.8	582.4	162.1	14009.7	6160.5	-22799.2
	-468.4	741.6	761.0	37926.7	37315.0	-36669.1
134.	-417.8	443.4	162.1	14009.7	-1062.0	55.8
	-468.4	602.5	761.0	37926.7	3405.1	-6721.0
178.	-417.8	304.3	162.1	14009.7	-8284.5	16715.1
	-468.4	463.5	761.0	37926.7	-30504.7	17031.4
223.	-417.8	165.3	162.1	14009.7	-15506.9	27178.6
	-468.4	324.5	761.0	37926.7	-64414.6	34588.1
267.	-417.8	26.3	162.1	14009.7	-22729.4	31446.4
	-468.4	185.4	761.0	37926.7	-98324.5	45949.0
312.	-417.8	-112.8	162.1	14009.7	-29951.9	29518.4
	-468.4	46.4	761.0	37926.7	-132234.3	51114.2
357.	-417.8	-251.8	162.1	14009.7	-37174.4	21394.7
	-468.4	-92.6	761.0	37926.7	-166144.2	50083.6
Asta	100	84	83			
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2302.6	7662.5	-92.6	-12072.5	-37419.9	-597749.0
	-1949.5	7057.8	-204.9	-9503.5	-89897.2	-451019.1
58.	-2302.6	5795.8	-92.6	-12072.5	-32040.6	-207037.6
	-1949.5	5191.0	-204.9	-9503.5	-77999.4	-95421.1
116.	-2302.6	3929.0	-92.6	-12072.5	-26661.4	75285.8
	-1949.5	3324.3	-204.9	-9503.5	-66101.6	151789.0
174.	-2302.6	2062.3	-92.6	-12072.5	-21282.1	249221.2
	-1949.5	1457.5	-204.9	-9503.5	-54203.8	290611.0
232.	-2302.6	195.5	-92.6	-12072.5	-15902.9	314768.6
	-1949.5	-409.2	-204.9	-9503.5	-42306.0	321045.1
290.	-2302.6	-1671.2	-92.6	-12072.5	-10523.6	271927.9
	-1949.5	-2276.0	-204.9	-9503.5	-30408.2	243091.1
348.	-2302.6	-3538.0	-92.6	-12072.5	-5144.4	120699.3
	-1949.5	-4142.7	-204.9	-9503.5	-18510.4	56749.2
406.	-2302.6	-5404.7	-92.6	-12072.5	234.9	-138917.3
	-1949.5	-6009.5	-204.9	-9503.5	-6612.6	-237980.8
465.	-2302.6	-7271.5	-92.6	-12072.5	5614.1	-506922.0
	-1949.5	-7876.2	-204.9	-9503.5	5285.2	-641098.8
Asta	101	83	82			
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1966.5	7668.6	-117.1	-9454.2	-10795.9	-639314.7
	-2192.2	6954.3	-231.7	-6580.8	-13702.3	-495422.8
53.	-1966.5	5974.6	-117.1	-9454.2	-4626.9	-279902.3
	-2192.2	5260.4	-231.7	-6580.8	-1496.2	-173640.5
105.	-1966.5	4280.7	-117.1	-9454.2	1542.0	-9739.3
	-2192.2	3566.5	-231.7	-6580.8	10710.0	58892.6
158.	-1966.5	2586.7	-117.1	-9454.2	7710.9	171174.4
	-2192.2	1872.5	-231.7	-6580.8	22916.2	202176.3
211.	-1966.5	892.8	-117.1	-9454.2	13879.9	262838.8
	-2192.2	178.6	-231.7	-6580.8	35122.3	256210.7
263.	-1966.5	-801.1	-117.1	-9454.2	20048.8	265253.9
	-2192.2	-1515.3	-231.7	-6580.8	47328.5	220995.7
316.	-1966.5	-2495.1	-117.1	-9454.2	26217.8	178419.7

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	-2192.2	-3209.3	-231.7	-6580.8	59534.6	96531.5
369.	-1966.5	-4189.0	-117.1	-9454.2	32386.7	2336.1
	-2192.2	-4903.2	-231.7	-6580.8	71740.8	-117182.1
422.	-1966.5	-5882.9	-117.1	-9454.2	38555.6	-262996.8
	-2192.2	-6597.2	-231.7	-6580.8	83946.9	-420145.0

Asta	102	nodì	86	85		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2387.7	7822.9	-28.4	4809.3	1256.4	-624682.8
	-2302.7	7590.4	117.8	5125.0	11223.5	-573753.5
58.	-2387.7	5956.2	-28.4	4809.3	2908.0	-224659.4
	-2302.7	5723.6	117.8	5125.0	4381.1	-187231.9
116.	-2387.7	4089.4	-28.4	4809.3	4559.6	66976.0
	-2302.7	3856.9	117.8	5125.0	-2461.3	90901.7
174.	-2387.7	2222.7	-28.4	4809.3	6211.2	250223.4
	-2302.7	1990.1	117.8	5125.0	-9303.7	260647.2
232.	-2387.7	355.9	-28.4	4809.3	7862.8	325082.8
	-2302.7	123.4	117.8	5125.0	-16146.1	322004.8
290.	-2387.7	-1510.8	-28.4	4809.3	9514.4	291554.2
	-2302.7	-1743.4	117.8	5125.0	-22988.5	274974.3
348.	-2387.7	-3377.6	-28.4	4809.3	11166.0	149637.6
	-2302.7	-3610.1	117.8	5125.0	-29830.9	119555.9
406.	-2387.7	-5244.3	-28.4	4809.3	12817.6	-100667.0
	-2302.7	-5476.9	117.8	5125.0	-36673.2	-144250.6
465.	-2387.7	-7111.1	-28.4	4809.3	14469.1	-459359.7
	-2302.7	-7343.6	117.8	5125.0	-43515.6	-516445.0

Asta	103	nodì	87	86		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1322.8	6221.5	-29.4	5214.9	-17455.2	-384897.9
	-1690.4	5906.5	130.0	5268.2	52412.5	-320037.2
49.	-1322.8	4644.1	-29.4	5214.9	-16013.8	-118353.0
	-1690.4	4329.1	130.0	5268.2	46036.5	-68945.8
98.	-1322.8	3066.7	-29.4	5214.9	-14572.5	70801.2
	-1690.4	2751.7	130.0	5268.2	39660.5	104754.9
147.	-1322.8	1489.3	-29.4	5214.9	-13131.1	182564.6
	-1690.4	1174.3	130.0	5268.2	33284.5	201064.8
196.	-1322.8	-88.1	-29.4	5214.9	-11689.8	216937.2
	-1690.4	-403.1	130.0	5268.2	26908.5	219984.0
245.	-1322.8	-1665.5	-29.4	5214.9	-10248.4	173919.1
	-1690.4	-1980.5	130.0	5268.2	20532.6	161512.4
294.	-1322.8	-3242.9	-29.4	5214.9	-8807.1	53510.2
	-1690.4	-3557.9	130.0	5268.2	14156.6	25650.1
343.	-1322.8	-4820.3	-29.4	5214.9	-7365.7	-144289.5
	-1690.4	-5135.3	130.0	5268.2	7780.6	-187603.0
393.	-1322.8	-6397.7	-29.4	5214.9	-5924.4	-419479.9
	-1690.4	-6712.6	130.0	5268.2	1404.6	-478246.9

Asta	104	nodì	85	79		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-284.0	577.1	204.0	-33335.5	29857.4	-36561.2
	-204.4	629.3	-174.6	-30452.8	-35485.3	-45734.8
45.	-284.0	438.1	204.0	-33335.5	20768.4	-13942.5
	-204.4	490.3	-174.6	-30452.8	-27703.6	-20788.2
89.	-284.0	299.0	204.0	-33335.5	11679.4	2480.6
	-204.4	351.3	-174.6	-30452.8	-19921.9	-2037.3
134.	-284.0	160.0	204.0	-33335.5	2590.4	12707.8
	-204.4	212.2	-174.6	-30452.8	-12140.2	10517.8
178.	-284.0	21.0	204.0	-33335.5	-6498.6	16739.3
	-204.4	73.2	-174.6	-30452.8	-4358.5	16877.2
223.	-284.0	-118.1	204.0	-33335.5	-15587.6	14575.1
	-204.4	-65.8	-174.6	-30452.8	3423.3	17040.8
267.	-284.0	-257.1	204.0	-33335.5	-24676.6	6215.1
	-204.4	-204.9	-174.6	-30452.8	11205.0	11008.6
312.	-284.0	-396.2	204.0	-33335.5	-33765.5	-8340.6
	-204.4	-343.9	-174.6	-30452.8	18986.7	-1219.3
357.	-284.0	-535.2	204.0	-33335.5	-42854.5	-29092.1
	-204.4	-483.0	-174.6	-30452.8	26768.4	-19642.9

Asta	105	nodì	79	90		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-444.7	5947.4	-9.0	179.3	-25076.7	-322644.0
	1205.6	5437.2	-3.4	-3333.9	-11076.2	-245267.9
38.	-444.7	4497.9	-9.0	179.3	-24730.1	-121899.1
	1205.6	3987.7	-3.4	-3333.9	-10944.2	-64134.4
77.	-444.7	3048.3	-9.0	179.3	-24383.4	23129.7
	1205.6	2538.1	-3.4	-3333.9	-10812.3	61282.9
115.	-444.7	1598.8	-9.0	179.3	-24036.7	112442.4
	1205.6	1088.6	-3.4	-3333.9	-10680.3	130984.2
154.	-444.7	149.3	-9.0	179.3	-23690.1	146039.0
	1205.6	-360.9	-3.4	-3333.9	-10548.3	144969.3
192.	-444.7	-1300.2	-9.0	179.3	-23343.4	123919.5
	1205.6	-1810.4	-3.4	-3333.9	-10416.3	103238.4
231.	-444.7	-2749.8	-9.0	179.3	-22996.7	46084.0
	1205.6	-3260.0	-3.4	-3333.9	-10284.3	5791.4
269.	-444.7	-4199.3	-9.0	179.3	-22650.1	-87467.7
	1205.6	-4709.5	-3.4	-3333.9	-10152.3	-147371.7
308.	-444.7	-5648.8	-9.0	179.3	-22303.4	-276735.4
	1205.6	-6159.0	-3.4	-3333.9	-10020.3	-356250.9

Asta	106	nodì	90	89		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-778.7	6668.5	13.7	-960.3	-22726.2	-421326.2
	744.9	6185.9	-1.8	-3097.8	-15927.3	-341850.9

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41.	-778.7	5122.3	13.7	-960.3	-23287.0	-179614.5
	744.9	4639.7	-1.8	-3097.8	-15851.4	-119925.6
82.	-778.7	3576.2	13.7	-960.3	-23847.9	-1295.4
	744.9	3093.6	-1.8	-3097.8	-15775.6	38607.1
123.	-778.7	2030.0	13.7	-960.3	-24408.7	113631.2
	744.9	1547.4	-1.8	-3097.8	-15699.7	133747.3
164.	-778.7	483.8	13.7	-960.3	-24969.6	165165.3
	744.9	1.3	-1.8	-3097.8	-15623.9	165495.0
205.	-778.7	-1062.3	13.7	-960.3	-25530.4	153306.8
	744.9	-1544.9	-1.8	-3097.8	-15548.1	133850.2
246.	-778.7	-2608.5	13.7	-960.3	-26091.3	78055.9
	744.9	-3091.1	-1.8	-3097.8	-15472.2	38812.8
287.	-778.7	-4154.6	13.7	-960.3	-26652.1	-60587.6
	744.9	-4637.2	-1.8	-3097.8	-15396.4	-119617.1
328.	-778.7	-5700.8	13.7	-960.3	-27213.0	-262623.7
	744.9	-6183.4	-1.8	-3097.8	-15320.5	-341439.5
Asta	107	nodì	89	80		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1291.8	6745.1	24.4	-860.5	-30486.9	-448600.6
	103.1	6190.9	-40.4	3652.2	-20658.9	-363556.3
39.	-1291.8	5276.7	24.4	-860.5	-31438.8	-214551.7
	103.1	4722.6	-40.4	3652.2	-19085.0	-151083.9
78.	-1291.8	3808.3	24.4	-860.5	-32390.6	-37677.9
	103.1	3254.2	-40.4	3652.2	-17511.0	4213.6
117.	-1291.8	2339.9	24.4	-860.5	-33342.4	82020.9
	103.1	1785.8	-40.4	3652.2	-15937.0	102336.0
156.	-1291.8	871.6	24.4	-860.5	-34294.2	144544.7
	103.1	317.4	-40.4	3652.2	-14363.1	143283.3
195.	-1291.8	-596.8	24.4	-860.5	-35246.1	149893.4
	103.1	-1151.0	-40.4	3652.2	-12789.1	127055.6
234.	-1291.8	-2065.2	24.4	-860.5	-36197.9	98067.1
	103.1	-2619.3	-40.4	3652.2	-11215.1	53652.9
273.	-1291.8	-3533.6	24.4	-860.5	-37149.7	-10934.3
	103.1	-4087.7	-40.4	3652.2	-9641.2	-76924.9
312.	-1291.8	-5002.0	24.4	-860.5	-38101.5	-177110.7
	103.1	-5556.1	-40.4	3652.2	-8067.2	-264677.7
Asta	108	nodì	96	69		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1370.5	5056.9	26.7	-3843.4	2351.1	-195181.6
	-1409.8	5087.1	36.7	-3311.4	-892.1	-199411.3
34.	-1370.5	3744.3	26.7	-3843.4	1435.0	-44460.5
	-1409.8	3774.4	36.7	-3311.4	-2149.0	-47657.8
69.	-1370.5	2431.6	26.7	-3843.4	518.9	61301.9
	-1409.8	2461.8	36.7	-3311.4	-3405.9	59137.0
103.	-1370.5	1119.0	26.7	-3843.4	-397.2	122105.7
	-1409.8	1149.1	36.7	-3311.4	-4662.8	120973.3
137.	-1370.5	-193.7	26.7	-3843.4	-1313.2	137950.9
	-1409.8	-163.6	36.7	-3311.4	-5919.6	137850.9
171.	-1370.5	-1506.4	26.7	-3843.4	-2229.3	108837.5
	-1409.8	-1476.2	36.7	-3311.4	-7176.5	109770.0
206.	-1370.5	-2819.0	26.7	-3843.4	-3145.4	34765.5
	-1409.8	-2788.9	36.7	-3311.4	-8433.4	36730.4
240.	-1370.5	-4131.7	26.7	-3843.4	-4061.5	-84265.1
	-1409.8	-4101.5	36.7	-3311.4	-9690.3	-81267.8
274.	-1370.5	-5444.3	26.7	-3843.4	-4977.5	-248254.4
	-1409.8	-5414.2	36.7	-3311.4	-10947.1	-244224.7
Asta	109	nodì	65	66		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2011.1	7585.1	-7.4	3079.5	6430.0	-473408.5
	-1963.5	7601.2	-4.0	3226.8	11663.3	-476450.7
50.	-2011.1	5685.6	-7.4	3079.5	6795.5	-144543.8
	-1963.5	5701.7	-4.0	3226.8	11862.4	-146789.2
99.	-2011.1	3786.1	-7.4	3079.5	7161.0	90175.7
	-1963.5	3802.1	-4.0	3226.8	12061.4	88727.2
149.	-2011.1	1886.5	-7.4	3079.5	7526.6	230750.0
	-1963.5	1902.6	-4.0	3226.8	12260.5	230098.3
198.	-2011.1	-13.0	-7.4	3079.5	7892.1	277179.1
	-1963.5	3.1	-4.0	3226.8	12459.6	277324.3
248.	-2011.1	-1912.5	-7.4	3079.5	8257.6	229463.0
	-1963.5	-1896.4	-4.0	3226.8	12658.7	230405.0
297.	-2011.1	-3812.0	-7.4	3079.5	8623.1	87601.7
	-1963.5	-3796.0	-4.0	3226.8	12857.7	89340.6
347.	-2011.1	-5711.6	-7.4	3079.5	8988.6	-148404.8
	-1963.5	-5695.5	-4.0	3226.8	13056.8	-145869.1
397.	-2011.1	-7611.1	-7.4	3079.5	9354.2	-478556.5
	-1963.5	-7595.0	-4.0	3226.8	13255.9	-475224.0
Asta	110	nodì	66	67		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2327.3	7759.4	22.8	-437.5	5839.7	-537176.7
	-2289.9	7777.6	30.7	-141.1	9955.7	-540833.4
50.	-2327.3	5843.1	22.8	-437.5	4698.7	-197113.3
	-2289.9	5861.4	30.7	-141.1	8418.8	-199858.6
100.	-2327.3	3926.8	22.8	-437.5	3557.7	47135.4
	-2289.9	3945.1	30.7	-141.1	6881.8	45301.6
150.	-2327.3	2010.5	22.8	-437.5	2416.7	195569.6
	-2289.9	2028.8	30.7	-141.1	5344.8	194647.2
200.	-2327.3	94.2	22.8	-437.5	1275.8	248189.0
	-2289.9	112.5	30.7	-141.1	3807.9	248178.1
250.	-2327.3	-1822.0	22.8	-437.5	134.8	204993.9
	-2289.9	-1803.8	30.7	-141.1	2270.9	205894.5

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300.	-2327.3	-3738.3	22.8	-437.5	-1006.2	65984.2
	-2289.9	-3720.1	30.7	-141.1	733.9	67796.2
350.	-2327.3	-5654.6	22.8	-437.5	-2147.1	-168840.2
	-2289.9	-5636.4	30.7	-141.1	-803.0	-166116.7
400.	-2327.3	-7570.9	22.8	-437.5	-3288.1	-499479.2
	-2289.9	-7552.7	30.7	-141.1	-2340.0	-495844.3
Asta	111	nodì	67	68		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2961.7	9562.1	-0.2	44.8	-2657.6	-642027.3
	-2930.4	9579.3	6.3	809.8	-661.3	-645524.0
50.	-2961.7	7215.7	-0.2	44.8	-2648.6	-219959.2
	-2930.4	7232.9	6.3	809.8	-978.8	-222591.5
101.	-2961.7	4869.4	-0.2	44.8	-2639.5	84057.3
	-2930.4	4886.6	6.3	809.8	-1296.3	82289.3
151.	-2961.7	2523.0	-0.2	44.8	-2630.5	270022.3
	-2930.4	2540.2	6.3	809.8	-1613.8	269118.7
201.	-2961.7	176.6	-0.2	44.8	-2621.5	337935.7
	-2930.4	193.8	6.3	809.8	-1931.3	337896.4
252.	-2961.7	-2169.7	-0.2	44.8	-2612.4	287797.6
	-2930.4	-2152.5	6.3	809.8	-2248.8	288622.6
302.	-2961.7	-4516.1	-0.2	44.8	-2603.4	119607.9
	-2930.4	-4498.9	6.3	809.8	-2566.3	121297.3
352.	-2961.7	-6862.4	-0.2	44.8	-2594.4	-166633.3
	-2930.4	-6845.3	6.3	809.8	-2883.8	-164079.6
403.	-2961.7	-9208.8	-0.2	44.8	-2585.3	-570926.1
	-2930.4	-9191.6	6.3	809.8	-3201.3	-567508.0
Asta	112	nodì	68	93		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2072.6	7103.7	-7.1	-960.1	-3686.4	-397486.1
	-2050.9	7132.5	-1.0	-50.9	-2766.0	-401775.4
37.	-2072.6	5378.2	-7.1	-960.1	-3423.8	-166571.6
	-2050.9	5407.0	-1.0	-50.9	-2727.8	-169794.2
74.	-2072.6	3652.6	-7.1	-960.1	-3161.2	498.4
	-2050.9	3681.5	-1.0	-50.9	-2689.6	-1657.4
111.	-2072.6	1927.1	-7.1	-960.1	-2898.6	103723.9
	-2050.9	1955.9	-1.0	-50.9	-2651.3	102634.8
148.	-2072.6	201.6	-7.1	-960.1	-2636.1	143105.0
	-2050.9	230.4	-1.0	-50.9	-2613.1	143082.6
185.	-2072.6	-1523.9	-7.1	-960.1	-2373.5	118641.5
	-2050.9	-1495.1	-1.0	-50.9	-2574.9	119685.9
222.	-2072.6	-3249.5	-7.1	-960.1	-2110.9	30333.6
	-2050.9	-3220.6	-1.0	-50.9	-2536.6	32444.7
259.	-2072.6	-4975.0	-7.1	-960.1	-1848.3	-121818.8
	-2050.9	-4946.2	-1.0	-50.9	-2498.4	-118640.9
296.	-2072.6	-6700.5	-7.1	-960.1	-1585.7	-337815.6
	-2050.9	-6671.7	-1.0	-50.9	-2460.2	-333571.1
Asta	113	nodì	93	94		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2781.9	8311.2	-11.2	-1886.4	-4180.0	-472310.9
	-2771.5	8331.6	-4.5	-955.1	-3473.3	-475944.1
44.	-2781.9	6238.8	-11.2	-1886.4	-3681.1	-149028.7
	-2771.5	6259.2	-4.5	-955.1	-3272.0	-151754.9
89.	-2781.9	4166.4	-11.2	-1886.4	-3182.3	82162.2
	-2771.5	4186.8	-4.5	-955.1	-3070.6	80342.9
133.	-2781.9	2094.0	-11.2	-1886.4	-2683.5	221261.6
	-2771.5	2114.4	-4.5	-955.1	-2869.3	220349.3
178.	-2781.9	21.7	-11.2	-1886.4	-2184.6	268269.7
	-2771.5	42.1	-4.5	-955.1	-2668.0	268264.3
222.	-2781.9	-2050.7	-11.2	-1886.4	-1685.8	223186.3
	-2771.5	-2030.3	-4.5	-955.1	-2466.6	224087.8
267.	-2781.9	-4123.1	-11.2	-1886.4	-1186.9	86011.5
	-2771.5	-4102.7	-4.5	-955.1	-2265.3	87820.0
311.	-2781.9	-6195.5	-11.2	-1886.4	-688.1	-143254.7
	-2771.5	-6175.1	-4.5	-955.1	-2064.0	-140539.3
356.	-2781.9	-8267.9	-11.2	-1886.4	-189.3	-464612.3
	-2771.5	-8247.5	-4.5	-955.1	-1862.6	-460990.0
Asta	114	nodì	94	95		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2067.4	5846.9	-19.4	-2100.6	-4106.0	-313518.4
	-2067.7	5874.6	-10.1	-1272.9	-4282.5	-317693.1
37.	-2067.4	4426.5	-19.4	-2100.6	-3388.1	-123140.4
	-2067.7	4454.2	-10.1	-1272.9	-3909.3	-126287.8
74.	-2067.4	3006.0	-19.4	-2100.6	-2670.1	14592.2
	-2067.7	3033.7	-10.1	-1272.9	-3536.0	12472.0
111.	-2067.4	1585.5	-19.4	-2100.6	-1952.2	99679.2
	-2067.7	1613.3	-10.1	-1272.9	-3162.8	98586.3
148.	-2067.4	165.1	-19.4	-2100.6	-1234.3	132120.8
	-2067.7	192.8	-10.1	-1272.9	-2789.5	132055.1
185.	-2067.4	-1255.4	-19.4	-2100.6	-516.3	111916.9
	-2067.7	-1227.6	-10.1	-1272.9	-2416.3	112878.4
222.	-2067.4	-2675.8	-19.4	-2100.6	201.6	39067.5
	-2067.7	-2648.1	-10.1	-1272.9	-2043.1	41056.2
259.	-2067.4	-4096.3	-19.4	-2100.6	919.5	-86427.5
	-2067.7	-4068.5	-10.1	-1272.9	-1669.8	-83411.5
297.	-2067.4	-5516.7	-19.4	-2100.6	1637.5	-264567.9
	-2067.7	-5489.0	-10.1	-1272.9	-1296.6	-260524.7
Asta	115	nodì	95	96		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1712.2	4886.4	-26.9	-1105.0	-2376.1	-194216.3

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34.	-1731.5 -1712.2 -1731.5	4918.7 3597.7 3630.0	-14.9 -26.9 -14.9	-433.9 -1105.0 -433.9	-3928.8 -1471.9 -3427.1	-198580.1 -51577.1 -54855.0
67.	-1712.2 -1731.5	2309.0 2341.3	-26.9 -14.9	-1105.0 -433.9	-567.8 -2925.5	47729.3 45537.3
101.	-1712.2 -1731.5	1020.3 1052.6	-26.9 -14.9	-1105.0 -433.9	336.3 -2423.9	103702.9 102596.8
135.	-1712.2 -1731.5	-268.4 -236.1	-26.9 -14.9	-1105.0 -433.9	1240.4 -1922.3	116343.8 116323.6
168.	-1712.2 -1731.5	-1557.1 -1524.8	-26.9 -14.9	-1105.0 -433.9	2144.6 -1420.7	85651.9 86717.6
202.	-1712.2 -1731.5	-2845.8 -2813.5	-26.9 -14.9	-1105.0 -433.9	3048.7 -919.0	11627.2 13778.9
235.	-1712.2 -1731.5	-4134.5 -4102.2	-26.9 -14.9	-1105.0 -433.9	3952.8 -417.4	-105730.2 -102492.6
269.	-1712.2 -1731.5	-5423.2 -5390.9	-26.9 -14.9	-1105.0 -433.9	4856.9 84.2	-266420.4 -262096.9
Asta	116	nodì	39	31		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	1202.0 1101.4	3421.5 3487.1	243.7 -192.5	4111.6 1587.8	33598.4 -31717.0	-217450.8 -229249.7
45.	1202.0 1101.4	2614.0 2679.6	243.7 -192.5	4111.6 1587.8	22740.4 -23136.8	-82973.5 -91849.0
89.	1202.0 1101.4	1806.5 1872.1	243.7 -192.5	4111.6 1587.8	11882.4 -14556.6	15520.9 9568.6
134.	1202.0 1101.4	999.0 1064.6	243.7 -192.5	4111.6 1587.8	1024.4 -5976.4	78032.2 75003.2
178.	1202.0 1101.4	191.6 257.2	243.7 -192.5	4111.6 1587.8	-9833.5 2603.9	104560.6 104454.8
223.	1202.0 1101.4	-615.9 -550.3	243.7 -192.5	4111.6 1587.8	-20691.5 11184.1	95106.0 97923.4
267.	1202.0 1101.4	-1423.4 -1357.8	243.7 -192.5	4111.6 1587.8	-31549.5 19764.3	49668.4 55409.1
312.	1202.0 1101.4	-2230.8 -2165.2	243.7 -192.5	4111.6 1587.8	-42407.4 28344.5	-31752.2 -23088.3
357.	1202.0 1101.4	-3038.3 -2972.7	243.7 -192.5	4111.6 1587.8	-53265.4 36924.7	-149155.8 -137568.6
Asta	117	nodì	41	29		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	1249.5 1284.4	3333.8 3320.5	-145.2 -234.1	-6810.0 -12536.9	-21975.7 -34279.6	-202157.0 -199817.4
45.	1249.5 1284.4	2526.3 2513.0	-145.2 -234.1	-6810.0 -12536.9	-15504.4 -23845.4	-71586.8 -69841.1
89.	1249.5 1284.4	1718.8 1705.5	-145.2 -234.1	-6810.0 -12536.9	-9033.2 -13411.1	23000.4 24152.2
134.	1249.5 1284.4	911.4 898.0	-145.2 -234.1	-6810.0 -12536.9	-2561.9 -2976.8	81604.6 82162.5
178.	1249.5 1284.4	103.9 90.6	-145.2 -234.1	-6810.0 -12536.9	3909.4 7457.5	104225.8 104189.8
223.	1249.5 1284.4	-703.6 -716.9	-145.2 -234.1	-6810.0 -12536.9	10380.6 17891.7	90864.0 90234.1
267.	1249.5 1284.4	-1511.1 -1524.4	-145.2 -234.1	-6810.0 -12536.9	16851.9 28326.0	41519.2 40295.5
312.	1249.5 1284.4	-2318.5 -2331.9	-145.2 -234.1	-6810.0 -12536.9	23323.2 38760.3	-43808.6 -45626.2
357.	1249.5 1284.4	-3126.0 -3139.3	-145.2 -234.1	-6810.0 -12536.9	29794.4 49194.6	-165119.3 -167530.8
Asta	118	nodì	64	10		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	154.0 43.2	6284.6 6320.6	-86.1 -39.8	-28258.9 -27471.4	-3026.2 -7401.2	-225514.5 -230319.3
34.	154.0 43.2	4567.7 4603.7	-86.1 -39.8	-28258.9 -27471.4	-78.1 -6038.1	-39668.8 -43241.5
69.	154.0 43.2	2850.9 2886.8	-86.1 -39.8	-28258.9 -27471.4	2870.0 -4675.1	87374.6 85034.2
103.	154.0 43.2	1134.0 1170.0	-86.1 -39.8	-28258.9 -27471.4	5818.2 -3312.0	155615.9 154507.6
137.	154.0 43.2	-582.8 -546.9	-86.1 -39.8	-28258.9 -27471.4	8766.3 -1948.9	165054.9 165178.8
171.	154.0 43.2	-2299.7 -2263.7	-86.1 -39.8	-28258.9 -27471.4	11714.4 -585.9	115691.7 117047.8
206.	154.0 43.2	-4016.5 -3980.6	-86.1 -39.8	-28258.9 -27471.4	14662.6 777.2	7526.3 10114.6
240.	154.0 43.2	-5733.4 -5697.4	-86.1 -39.8	-28258.9 -27471.4	17610.7 2140.2	-159441.4 -155620.8
274.	154.0 43.2	-7450.2 -7414.3	-86.1 -39.8	-28258.9 -27471.4	20558.9 3503.3	-385211.3 -380158.5
Asta	119	nodì	2	4		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	131.5 220.5	10263.7 10280.9	30.5 64.7	25822.0 26006.7	664.0 16567.5	-714090.8 -717514.1
50.	131.5 220.5	7779.3 7796.5	30.5 64.7	25822.0 26006.7	-845.7 13360.0	-266962.1 -269532.0
99.	131.5 220.5	5294.9 5312.1	30.5 64.7	25822.0 26006.7	-2355.5 10152.6	57032.4 55315.8
149.	131.5 220.5	2810.5 2827.7	30.5 64.7	25822.0 26006.7	-3865.2 6945.1	257892.5 257029.3
198.	131.5 220.5	326.0 343.2	30.5 64.7	25822.0 26006.7	-5375.0 3737.7	335618.4 335608.5
248.	131.5	-2158.4	30.5	25822.0	-6884.7	290210.0

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297.	220.5	-2141.2	64.7	26006.7	530.2	291053.5
	131.5	-4642.8	30.5	25822.0	-8394.5	121667.3
	220.5	-4625.6	64.7	26006.7	-2677.2	123364.2
347.	131.5	-7127.2	30.5	25822.0	-9904.3	-170009.7
	220.5	-7110.0	64.7	26006.7	-5884.7	-167459.4
397.	131.5	-9611.7	30.5	25822.0	-11414.0	-584820.9
	220.5	-9594.5	64.7	26006.7	-9092.1	-581417.3
Asta	120	nodì	4	6		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-188.1	10326.4	-20.4	1276.8	-7719.8	-726408.7
	-140.7	10343.7	-13.1	1810.7	-4734.6	-729864.9
50.	-188.1	7820.0	-20.4	1276.8	-6702.0	-272747.5
	-140.7	7837.3	-13.1	1810.7	-4077.7	-275338.8
100.	-188.1	5313.7	-20.4	1276.8	-5684.3	55595.9
	-140.7	5331.0	-13.1	1810.7	-3420.9	53869.4
150.	-188.1	2807.3	-20.4	1276.8	-4666.5	258621.5
	-140.7	2824.6	-13.1	1810.7	-2764.1	257760.0
200.	-188.1	301.0	-20.4	1276.8	-3648.7	336329.4
	-140.7	318.3	-13.1	1810.7	-2107.3	336332.7
250.	-188.1	-2205.4	-20.4	1276.8	-2631.0	288719.6
	-140.7	-2188.1	-13.1	1810.7	-1450.4	289587.7
300.	-188.1	-4711.7	-20.4	1276.8	-1613.2	115792.0
	-140.7	-4694.4	-13.1	1810.7	-793.6	117525.0
350.	-188.1	-7218.1	-20.4	1276.8	-595.4	-182453.4
	-140.7	-7200.8	-13.1	1810.7	-136.8	-179855.5
400.	-188.1	-9724.4	-20.4	1276.8	422.3	-606016.5
	-140.7	-9707.1	-13.1	1810.7	520.1	-602553.7
Asta	121	nodì	6	8		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	70.7	10351.8	-7.8	-376.3	-2142.9	-724438.7
	74.9	10368.5	-7.3	440.7	-1926.4	-727812.9
50.	70.7	7829.8	-7.8	-376.3	-1751.5	-267057.0
	74.9	7846.4	-7.3	440.7	-1560.6	-269593.9
101.	70.7	5307.8	-7.8	-376.3	-1360.0	63435.6
	74.9	5324.4	-7.3	440.7	-1194.9	61736.0
151.	70.7	2785.8	-7.8	-376.3	-968.5	267039.0
	74.9	2802.4	-7.3	440.7	-829.1	266176.8
201.	70.7	263.7	-7.8	-376.3	-577.0	343753.4
	74.9	280.4	-7.3	440.7	-463.3	343728.4
252.	70.7	-2258.3	-7.8	-376.3	-185.5	293578.6
	74.9	-2241.6	-7.3	440.7	-97.6	294391.0
302.	70.7	-4780.3	-7.8	-376.3	206.0	116514.8
	74.9	-4763.6	-7.3	440.7	268.2	118164.4
352.	70.7	-7302.3	-7.8	-376.3	597.4	-187438.2
	74.9	-7285.7	-7.3	440.7	633.9	-184951.3
403.	70.7	-9824.3	-7.8	-376.3	988.9	-618280.4
	74.9	-9807.7	-7.3	440.7	999.7	-614956.1
Asta	122	nodì	8	58		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-391.0	7608.2	-2.5	-1213.9	-604.6	-405878.0
	-419.0	7636.8	-3.1	-331.3	-745.3	-410121.8
37.	-391.0	5753.5	-2.5	-1213.9	-513.2	-158685.7
	-419.0	5782.1	-3.1	-331.3	-630.9	-161871.9
74.	-391.0	3898.8	-2.5	-1213.9	-421.7	19882.5
	-419.0	3927.4	-3.1	-331.3	-516.5	17754.0
111.	-391.0	2044.1	-2.5	-1213.9	-330.3	129826.7
	-419.0	2072.7	-3.1	-331.3	-402.1	128755.8
148.	-391.0	189.4	-2.5	-1213.9	-238.8	171147.0
	-419.0	218.0	-3.1	-331.3	-287.7	171133.7
185.	-391.0	-1665.3	-2.5	-1213.9	-147.4	143843.2
	-419.0	-1636.7	-3.1	-331.3	-173.3	144887.6
222.	-391.0	-3520.0	-2.5	-1213.9	-55.9	47915.4
	-419.0	-3491.4	-3.1	-331.3	-58.9	50017.4
259.	-391.0	-5374.7	-2.5	-1213.9	35.5	-116636.4
	-419.0	-5346.1	-3.1	-331.3	55.5	-113476.7
296.	-391.0	-7229.4	-2.5	-1213.9	127.0	-349812.1
	-419.0	-7200.8	-3.1	-331.3	169.9	-345594.9
Asta	123	nodì	58	60		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-42.8	8877.6	1.5	-1897.6	-153.5	-514793.9
	-97.9	8897.9	2.4	-1046.6	-367.2	-518401.5
44.	-42.8	6650.1	1.5	-1897.6	-219.3	-169789.2
	-97.9	6670.3	2.4	-1046.6	-472.3	-172495.4
89.	-42.8	4422.5	1.5	-1897.6	-285.1	76230.0
	-97.9	4442.8	2.4	-1046.6	-577.3	74425.2
133.	-42.8	2195.0	1.5	-1897.6	-350.9	223263.7
	-97.9	2215.3	2.4	-1046.6	-682.4	222360.1
178.	-42.8	-32.5	1.5	-1897.6	-416.7	271311.8
	-97.9	-12.2	2.4	-1046.6	-787.4	271309.6
222.	-42.8	-2260.0	1.5	-1897.6	-482.5	220374.3
	-97.9	-2239.7	2.4	-1046.6	-892.5	221273.5
267.	-42.8	-4487.6	1.5	-1897.6	-548.3	70451.3
	-97.9	-4467.3	2.4	-1046.6	-997.6	72251.8
311.	-42.8	-6715.1	1.5	-1897.6	-614.1	-178457.2
	-97.9	-6694.8	2.4	-1046.6	-1102.6	-175755.4
356.	-42.8	-8942.6	1.5	-1897.6	-679.9	-526351.3
	-97.9	-8922.3	2.4	-1046.6	-1207.7	-522748.2
Asta	124	nodì	60	62		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ

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0.	-270.3	7332.0	6.5	-2704.4	-111.8	-352642.9
	-351.9	7360.3	9.9	-1857.3	-982.9	-356875.1
37.	-270.3	5474.1	6.5	-2704.4	-353.7	-115330.2
	-351.9	5502.4	9.9	-1857.3	-1349.5	-118513.2
74.	-270.3	3616.3	6.5	-2704.4	-595.5	53126.4
	-351.9	3644.6	9.9	-1857.3	-1716.1	50992.6
111.	-270.3	1758.4	6.5	-2704.4	-837.4	152726.9
	-351.9	1786.8	9.9	-1857.3	-2082.7	151642.4
148.	-270.3	-99.4	6.5	-2704.4	-1079.2	183471.4
	-351.9	-71.1	9.9	-1857.3	-2449.3	183436.2
185.	-270.3	-1957.2	6.5	-2704.4	-1321.0	145359.9
	-351.9	-1928.9	9.9	-1857.3	-2815.9	146374.0
222.	-270.3	-3815.1	6.5	-2704.4	-1562.9	38392.4
	-351.9	-3786.7	9.9	-1857.3	-3182.5	40455.7
259.	-270.3	-5672.9	6.5	-2704.4	-1804.7	-137431.2
	-351.9	-5644.6	9.9	-1857.3	-3549.1	-134318.6
297.	-270.3	-7530.7	6.5	-2704.4	-2046.5	-382110.8
	-351.9	-7502.4	9.9	-1857.3	-3915.7	-377949.0
Asta	125	nodì	62	64		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-83.2	6289.9	-12.3	-4472.0	-3079.9	-242150.9
	-180.8	6323.5	-0.9	-3406.9	-4972.4	-246699.3
34.	-83.2	4604.4	-12.3	-4472.0	-2665.7	-58990.4
	-180.8	4638.0	-0.9	-3406.9	-4941.2	-62408.7
67.	-83.2	2918.9	-12.3	-4472.0	-2251.4	67494.3
	-180.8	2952.5	-0.9	-3406.9	-4910.0	65206.1
101.	-83.2	1233.3	-12.3	-4472.0	-1837.2	137303.3
	-180.8	1267.0	-0.9	-3406.9	-4878.8	136145.2
135.	-83.2	-452.2	-12.3	-4472.0	-1423.0	150436.6
	-180.8	-418.6	-0.9	-3406.9	-4847.6	150408.5
168.	-83.2	-2137.7	-12.3	-4472.0	-1008.8	106894.1
	-180.8	-2104.1	-0.9	-3406.9	-4816.4	107996.2
202.	-83.2	-3823.2	-12.3	-4472.0	-594.5	6675.9
	-180.8	-3789.6	-0.9	-3406.9	-4785.2	8908.0
235.	-83.2	-5508.8	-12.3	-4472.0	-180.3	-150218.0
	-180.8	-5475.1	-0.9	-3406.9	-4754.0	-146855.8
269.	-83.2	-7194.3	-12.3	-4472.0	233.9	-363787.7
	-180.8	-7160.7	-0.9	-3406.9	-4722.8	-359295.4
Asta	126	nodì	36	110		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-173.1	3183.6	198.3	1107.7	35455.5	-173626.4
	-126.8	3086.4	-137.3	17628.0	-7368.7	-155588.2
45.	-173.1	2376.2	198.3	1107.7	26619.6	-49747.7
	-126.8	2278.9	-137.3	17628.0	-1250.7	-36043.8
89.	-173.1	1568.7	198.3	1107.7	17783.6	38148.0
	-126.8	1471.4	-137.3	17628.0	4867.2	47517.6
134.	-173.1	761.2	198.3	1107.7	8947.7	90060.7
	-126.8	663.9	-137.3	17628.0	10985.2	95096.0
178.	-173.1	-46.3	198.3	1107.7	111.8	105990.4
	-126.8	-143.5	-137.3	17628.0	17103.2	106691.4
223.	-173.1	-853.7	198.3	1107.7	-8724.2	85937.1
	-126.8	-951.0	-137.3	17628.0	23221.2	82303.8
267.	-173.1	-1661.2	198.3	1107.7	-17560.1	29900.9
	-126.8	-1758.5	-137.3	17628.0	29339.2	21933.3
312.	-173.1	-2468.7	198.3	1107.7	-26396.0	-62118.4
	-126.8	-2565.9	-137.3	17628.0	35457.2	-74420.3
357.	-173.1	-3276.2	198.3	1107.7	-35232.0	-190120.7
	-126.8	-3373.4	-137.3	17628.0	41575.2	-206756.8
Asta	127	nodì	12	10		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-513.6	5471.8	81.3	-8444.3	23336.9	-527955.0
	-567.4	5432.7	-36.9	-5761.4	-24608.3	-516482.7
76.	-513.6	4093.5	81.3	-8444.3	17154.4	-164176.5
	-567.4	4054.5	-36.9	-5761.4	-21804.6	-155673.0
152.	-513.6	2715.2	81.3	-8444.3	10971.8	94768.7
	-567.4	2676.2	-36.9	-5761.4	-19000.8	100303.4
228.	-513.6	1337.0	81.3	-8444.3	4789.2	248880.6
	-567.4	1298.0	-36.9	-5761.4	-16197.1	251446.5
304.	-513.6	-41.3	81.3	-8444.3	-1393.3	298159.1
	-567.4	-80.3	-36.9	-5761.4	-13393.4	297756.2
380.	-513.6	-1419.5	81.3	-8444.3	-7575.9	242604.3
	-567.4	-1458.5	-36.9	-5761.4	-10589.6	239232.6
456.	-513.6	-2797.8	81.3	-8444.3	-13758.5	82216.2
	-567.4	-2836.8	-36.9	-5761.4	-7785.9	75875.7
532.	-513.6	-4176.0	81.3	-8444.3	-19941.0	-183005.3
	-567.4	-4215.0	-36.9	-5761.4	-4982.1	-192314.5
609.	-513.6	-5554.3	81.3	-8444.3	-26123.6	-553060.1
	-567.4	-5593.3	-36.9	-5761.4	-2178.4	-565338.1
Asta	128	nodì	110	12		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-136.6	2324.2	93.3	-12855.4	34096.5	-84714.3
	-123.6	2203.5	585.3	-705.2	112585.6	-66147.6
39.	-136.6	1617.5	93.3	-12855.4	30458.5	-7850.1
	-123.6	1496.9	585.3	-705.2	89759.0	6010.0
78.	-136.6	910.9	93.3	-12855.4	26820.5	41453.5
	-123.6	790.2	585.3	-705.2	66932.4	50607.1
117.	-136.6	204.2	93.3	-12855.4	23182.5	63196.6
	-123.6	83.5	585.3	-705.2	44105.9	67643.7
156.	-136.6	-502.5	93.3	-12855.4	19544.5	57379.2
	-123.6	-623.2	585.3	-705.2	21279.3	57119.8

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195.	-136.6	-1209.2	93.3	-12855.4	15906.5	24001.3
	-123.6	-1329.9	585.3	-705.2	-1547.3	19035.4
234.	-136.6	-1915.9	93.3	-12855.4	12268.6	-36937.1
	-123.6	-2036.5	585.3	-705.2	-24373.8	-46609.6
273.	-136.6	-2622.5	93.3	-12855.4	8630.6	-125436.1
	-123.6	-2743.2	585.3	-705.2	-47200.4	-139815.1
312.	-136.6	-3329.2	93.3	-12855.4	4992.6	-241495.6
	-123.6	-3449.9	585.3	-705.2	-70027.0	-260581.1
Asta	130	nodì	38	36		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	682.3	8481.9	-82.2	-3825.0	-1642.0	-684782.4
	894.3	7858.4	-22.6	-458.3	-2738.0	-555502.7
53.	682.3	6539.2	-82.2	-3825.0	2690.2	-289069.2
	894.3	5915.7	-22.6	-458.3	-1546.3	-192641.1
105.	682.3	4596.5	-82.2	-3825.0	7022.3	4288.6
	894.3	3973.0	-22.6	-458.3	-354.6	67865.2
158.	682.3	2653.9	-82.2	-3825.0	11354.5	195291.1
	894.3	2030.3	-22.6	-458.3	837.1	226016.0
211.	682.3	711.2	-82.2	-3825.0	15686.7	283938.1
	894.3	87.6	-22.6	-458.3	2028.8	281811.4
263.	682.3	-1231.5	-82.2	-3825.0	20018.8	270229.8
	894.3	-1855.0	-22.6	-458.3	3220.5	235251.5
316.	682.3	-3174.2	-82.2	-3825.0	24351.0	154166.0
	894.3	-3797.7	-22.6	-458.3	4412.2	86336.2
369.	682.3	-5116.9	-82.2	-3825.0	28683.2	-64253.1
	894.3	-5740.4	-22.6	-458.3	5603.9	-164934.5
422.	682.3	-7059.6	-82.2	-3825.0	33015.4	-385027.6
	894.3	-7683.1	-22.6	-458.3	6795.6	-518560.6
Asta	131	nodì	44	42		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	946.9	8713.9	60.1	8160.0	13424.1	-681239.4
	923.5	8552.0	148.4	8630.7	20139.4	-644396.6
58.	946.9	6573.1	60.1	8160.0	9934.5	-237438.7
	923.5	6411.2	148.4	8630.7	11525.5	-209996.4
116.	946.9	4432.2	60.1	8160.0	6445.0	82057.4
	923.5	4270.3	148.4	8630.7	2911.6	100099.3
174.	946.9	2291.3	60.1	8160.0	2955.5	277249.0
	923.5	2129.4	148.4	8630.7	-5702.3	285890.4
232.	946.9	150.4	60.1	8160.0	-534.1	348136.1
	923.5	-11.5	148.4	8630.7	-14316.2	347377.0
290.	946.9	-1990.4	60.1	8160.0	-4023.6	294718.6
	923.5	-2152.3	148.4	8630.7	-22930.1	284559.1
348.	946.9	-4131.3	60.1	8160.0	-7513.1	116996.5
	923.5	-4293.2	148.4	8630.7	-31544.0	97436.6
406.	946.9	-6272.2	60.1	8160.0	-11002.6	-185030.0
	923.5	-6434.1	148.4	8630.7	-40157.8	-213990.5
465.	946.9	-8413.1	60.1	8160.0	-14492.2	-611361.1
	923.5	-8575.0	148.4	8630.7	-48771.7	-649722.0
Asta	132	nodì	40	38		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	932.5	8917.9	-76.2	-15060.2	-34012.3	-732905.4
	939.2	8389.2	-14.6	-11605.5	-10691.7	-607963.0
58.	932.5	6777.0	-76.2	-15060.2	-29588.4	-277262.2
	939.2	6248.3	-14.6	-11605.5	-9841.6	-183017.5
116.	932.5	4636.1	-76.2	-15060.2	-25164.4	54076.4
	939.2	4107.4	-14.6	-11605.5	-8991.4	117623.5
174.	932.5	2495.3	-76.2	-15060.2	-20740.5	261110.5
	939.2	1966.6	-14.6	-11605.5	-8141.2	293959.9
232.	932.5	354.4	-76.2	-15060.2	-16316.6	343840.0
	939.2	-174.3	-14.6	-11605.5	-7291.0	345991.8
290.	932.5	-1786.5	-76.2	-15060.2	-11892.6	302265.0
	939.2	-2315.2	-14.6	-11605.5	-6440.8	273719.2
348.	932.5	-3927.4	-76.2	-15060.2	-7468.7	136385.5
	939.2	-4456.1	-14.6	-11605.5	-5590.6	77142.0
406.	932.5	-6068.2	-76.2	-15060.2	-3044.7	-153798.6
	939.2	-6596.9	-14.6	-11605.5	-4740.4	-243739.7
465.	932.5	-8209.1	-76.2	-15060.2	1379.2	-568287.2
	939.2	-8737.8	-14.6	-11605.5	-3890.2	-688925.9
Asta	133	nodì	46	44		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	568.3	7354.1	-57.1	-13151.4	-10027.1	-497676.0
	332.9	7129.8	25.3	-13205.6	28578.0	-452899.2
49.	568.3	5545.1	-57.1	-13151.4	-7224.3	-181243.9
	332.9	5320.8	25.3	-13205.6	27336.9	-147468.8
98.	568.3	3736.0	-57.1	-13151.4	-4421.6	46432.8
	332.9	3511.8	25.3	-13205.6	26095.8	69206.1
147.	568.3	1927.0	-57.1	-13151.4	-1618.9	185354.1
	332.9	1702.8	25.3	-13205.6	24854.7	197125.7
196.	568.3	118.0	-57.1	-13151.4	1183.8	235519.9
	332.9	-106.3	25.3	-13205.6	23613.6	236289.8
245.	568.3	-1691.1	-57.1	-13151.4	3986.5	196930.3
	332.9	-1915.3	25.3	-13205.6	22372.5	186698.5
294.	568.3	-3500.1	-57.1	-13151.4	6789.2	69585.4
	332.9	-3724.3	25.3	-13205.6	21131.4	48351.8
343.	568.3	-5309.1	-57.1	-13151.4	9591.9	-146515.0
	332.9	-5533.3	25.3	-13205.6	19890.3	-178750.3
393.	568.3	-7118.1	-57.1	-13151.4	12394.6	-451370.9
	332.9	-7342.4	25.3	-13205.6	18649.2	-494607.8
Asta	134	nodì	40	32		

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PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-229.2	3604.9	255.8	-12204.3	35083.2	-245496.3
	-258.1	3792.6	23.4	6446.8	-5247.2	-278902.8
45.	-229.2	2797.4	255.8	-12204.3	23685.2	-102845.0
	-258.1	2985.2	23.4	6446.8	-6290.2	-127884.9
89.	-229.2	1989.9	255.8	-12204.3	12287.1	3823.3
	-258.1	2177.7	23.4	6446.8	-7333.3	-12850.1
134.	-229.2	1182.5	255.8	-12204.3	889.1	74508.5
	-258.1	1370.2	23.4	6446.8	-8376.3	66201.8
178.	-229.2	375.0	255.8	-12204.3	-10509.0	109210.8
	-258.1	562.7	23.4	6446.8	-9419.4	109270.7
223.	-229.2	-432.5	255.8	-12204.3	-21907.0	107930.1
	-258.1	-244.7	23.4	6446.8	-10462.4	116356.5
267.	-229.2	-1239.9	255.8	-12204.3	-33305.1	70666.4
	-258.1	-1052.2	23.4	6446.8	-11505.5	87459.4
312.	-229.2	-2047.4	255.8	-12204.3	-44703.2	-2580.3
	-258.1	-1859.7	23.4	6446.8	-12548.6	22579.3
357.	-229.2	-2854.9	255.8	-12204.3	-56101.2	-111810.0
	-258.1	-2667.1	23.4	6446.8	-13591.6	-78283.8
Asta	135	nod	42	30		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-387.3	3306.0	-146.3	-2664.8	-17388.3	-193129.7
	-188.7	3327.1	-319.9	-3704.8	-49219.1	-196938.9
45.	-387.3	2498.5	-146.3	-2664.8	-10870.1	-63798.3
	-188.7	2519.6	-319.9	-3704.8	-34965.3	-66666.4
89.	-387.3	1691.0	-146.3	-2664.8	-4351.9	29550.1
	-188.7	1712.2	-319.9	-3704.8	-20711.5	27623.2
134.	-387.3	883.6	-146.3	-2664.8	2166.2	86915.5
	-188.7	904.7	-319.9	-3704.8	-6457.7	85929.7
178.	-387.3	76.1	-146.3	-2664.8	8684.4	108297.9
	-188.7	97.2	-319.9	-3704.8	7796.0	108253.3
223.	-387.3	-731.4	-146.3	-2664.8	15202.6	93697.3
	-188.7	-710.3	-319.9	-3704.8	22049.8	94593.9
267.	-387.3	-1538.9	-146.3	-2664.8	21720.8	43113.7
	-188.7	-1517.7	-319.9	-3704.8	36303.6	44951.4
312.	-387.3	-2346.3	-146.3	-2664.8	28238.9	-43452.8
	-188.7	-2325.2	-319.9	-3704.8	50557.4	-40674.0
357.	-387.3	-3153.8	-146.3	-2664.8	34757.1	-166002.4
	-188.7	-3132.7	-319.9	-3704.8	64811.2	-162282.4
Asta	136	nod	50	32		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-392.0	6145.1	-50.2	-11116.2	-24000.8	-416489.0
	-625.8	5640.3	-14.5	-8325.1	-23887.1	-337799.8
39.	-392.0	4800.5	-50.2	-11116.2	-22046.3	-203391.8
	-625.8	4295.7	-14.5	-8325.1	-23320.8	-144358.3
78.	-392.0	3456.0	-50.2	-11116.2	-20091.9	-42648.4
	-625.8	2951.2	-14.5	-8325.1	-22754.6	-3270.6
117.	-392.0	2111.4	-50.2	-11116.2	-18137.4	65741.3
	-625.8	1606.6	-14.5	-8325.1	-22188.3	85463.4
156.	-392.0	766.8	-50.2	-11116.2	-16183.0	121777.3
	-625.8	262.0	-14.5	-8325.1	-21622.1	121843.6
195.	-392.0	-577.7	-50.2	-11116.2	-14228.6	125459.4
	-625.8	-1082.5	-14.5	-8325.1	-21055.8	105870.0
234.	-392.0	-1922.3	-50.2	-11116.2	-12274.1	76787.9
	-625.8	-2427.1	-14.5	-8325.1	-20489.6	37542.7
273.	-392.0	-3266.8	-50.2	-11116.2	-10319.7	-24237.4
	-625.8	-3771.6	-14.5	-8325.1	-19923.3	-83138.3
312.	-392.0	-4611.4	-50.2	-11116.2	-8365.2	-177616.5
	-625.8	-5116.2	-14.5	-8325.1	-19357.1	-256173.1
Asta	137	nod	52	50		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1076.7	6154.4	7.3	-633.2	-19639.4	-390602.1
	-657.9	5703.5	39.9	-2968.0	-9899.1	-316831.1
41.	-1076.7	4738.6	7.3	-633.2	-19939.2	-167295.5
	-657.9	4287.7	39.9	-2968.0	-11536.3	-112011.6
82.	-1076.7	3322.8	7.3	-633.2	-20239.0	-2035.7
	-657.9	2871.9	39.9	-2968.0	-13173.4	34761.0
123.	-1076.7	1907.1	7.3	-633.2	-20538.8	105177.0
	-657.9	1456.2	39.9	-2968.0	-14810.6	123486.6
164.	-1076.7	491.3	7.3	-633.2	-20838.7	154342.9
	-657.9	40.4	39.9	-2968.0	-16447.8	154165.3
205.	-1076.7	-924.5	7.3	-633.2	-21138.5	145461.8
	-657.9	-1375.4	39.9	-2968.0	-18084.9	126797.1
246.	-1076.7	-2340.3	7.3	-633.2	-21438.3	78533.7
	-657.9	-2791.2	39.9	-2968.0	-19722.1	41381.9
287.	-1076.7	-3756.1	7.3	-633.2	-21738.1	-46441.3
	-657.9	-4207.0	39.9	-2968.0	-21359.2	-102080.3
328.	-1076.7	-5171.8	7.3	-633.2	-22037.9	-229463.3
	-657.9	-5622.7	39.9	-2968.0	-22996.4	-303589.4
Asta	138	nod	30	52		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1708.6	5523.3	63.5	9062.1	-7101.2	-314575.1
	-617.8	5069.2	95.6	5199.7	11591.7	-246384.9
38.	-1708.6	4196.0	63.5	9062.1	-9540.3	-127783.7
	-617.8	3742.0	95.6	5199.7	7918.7	-77044.5
77.	-1708.6	2868.7	63.5	9062.1	-11979.4	7989.8
	-617.8	2414.7	95.6	5199.7	4245.7	41278.0
115.	-1708.6	1541.4	63.5	9062.1	-14418.5	92745.5
	-617.8	1087.4	95.6	5199.7	572.7	108582.7
154.	-1708.6	214.1	63.5	9062.1	-16857.5	126483.4

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192.	-617.8	-239.9	95.6	5199.7	-3100.3	124869.5
	-1708.6	-1113.2	63.5	9062.1	-19296.6	109203.4
231.	-617.8	-1567.2	95.6	5199.7	-6773.3	90138.6
	-1708.6	-2440.5	63.5	9062.1	-21735.7	40905.6
269.	-617.8	-2894.5	95.6	5199.7	-10446.3	4389.8
	-1708.6	-3767.8	63.5	9062.1	-24174.8	-78410.0
308.	-617.8	-4221.8	95.6	5199.7	-14119.3	-132376.8
	-1708.6	-5095.1	63.5	9062.1	-26613.9	-248743.4
	-617.8	-5549.1	95.6	5199.7	-17792.3	-320161.3
Asta	139	odi	111	2		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-19.1	4480.6	55.5	-139167.2	18654.9	-208853.5
	-1.9	4497.8	-52.2	-135074.9	-24269.1	-211318.2
76.	-19.1	3102.4	55.5	-139167.2	14430.4	79536.9
	-1.9	3119.5	-52.2	-135074.9	-20298.7	78377.7
152.	-19.1	1724.1	55.5	-139167.2	10206.0	263093.8
	-1.9	1741.3	-52.2	-135074.9	-16328.2	263240.3
228.	-19.1	345.9	55.5	-139167.2	5981.6	341817.5
	-1.9	363.0	-52.2	-135074.9	-12357.8	343269.6
304.	-19.1	-1032.4	55.5	-139167.2	1757.2	315707.8
	-1.9	-1015.2	-52.2	-135074.9	-8387.3	318465.6
380.	-19.1	-2410.6	55.5	-139167.2	-2467.2	184764.8
	-1.9	-2393.5	-52.2	-135074.9	-4416.9	188828.2
456.	-19.1	-3788.9	55.5	-139167.2	-6691.7	-51011.5
	-1.9	-3771.7	-52.2	-135074.9	-446.5	-45642.5
532.	-19.1	-5167.1	55.5	-139167.2	-10916.1	-391621.2
	-1.9	-5150.0	-52.2	-135074.9	3524.0	-384946.6
609.	-19.1	-6545.4	55.5	-139167.2	-15140.5	-837064.2
	-1.9	-6528.2	-52.2	-135074.9	7494.4	-829083.9
Asta	140	odi	112	111		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-145.4	2983.7	-504.0	59545.3	-87357.3	-156317.6
	-297.3	3068.4	106.0	63022.6	10859.3	-174471.8
39.	-145.4	2277.0	-504.0	59545.3	-67700.7	-53734.4
	-297.3	2361.8	106.0	63022.6	6723.9	-68583.0
78.	-145.4	1570.3	-504.0	59545.3	-48044.1	21288.2
	-297.3	1655.1	106.0	63022.6	2588.6	9745.2
117.	-145.4	863.6	-504.0	59545.3	-28387.6	68750.3
	-297.3	948.4	106.0	63022.6	-1546.8	60512.9
156.	-145.4	157.0	-504.0	59545.3	-8731.0	88651.9
	-297.3	241.7	106.0	63022.6	-5682.2	83720.0
195.	-145.4	-549.7	-504.0	59545.3	10925.6	80993.0
	-297.3	-465.0	106.0	63022.6	-9817.6	79366.7
234.	-145.4	-1256.4	-504.0	59545.3	30582.2	45773.6
	-297.3	-1171.6	106.0	63022.6	-13952.9	47452.8
273.	-145.4	-1963.1	-504.0	59545.3	50238.8	-17006.4
	-297.3	-1878.3	106.0	63022.6	-18088.3	-12021.6
312.	-145.4	-2669.8	-504.0	59545.3	69895.4	-107346.9
	-297.3	-2585.0	106.0	63022.6	-22223.7	-99056.5
Asta	141	odi	46	112		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	707.7	4454.0	26.9	176417.7	88.7	-430704.8
	530.8	4340.9	-311.7	176971.5	-35704.4	-411772.2
45.	707.7	3646.5	26.9	176417.7	-1112.0	-250214.4
	530.8	3533.4	-311.7	176971.5	-21812.9	-236324.2
89.	707.7	2839.1	26.9	176417.7	-2312.8	-105707.1
	530.8	2725.9	-311.7	176971.5	-7921.4	-96859.2
134.	707.7	2031.6	26.9	176417.7	-3513.5	2817.3
	530.8	1918.4	-311.7	176971.5	5970.1	6622.9
178.	707.7	1224.1	26.9	176417.7	-4714.2	75358.7
	530.8	1111.0	-311.7	176971.5	19861.5	74122.0
223.	707.7	416.6	26.9	176417.7	-5914.9	111917.0
	530.8	303.5	-311.7	176971.5	33753.0	105638.0
267.	707.7	-390.8	26.9	176417.7	-7115.6	112492.4
	530.8	-504.0	-311.7	176971.5	47644.5	101171.1
312.	707.7	-1198.3	26.9	176417.7	-8316.3	77084.8
	530.8	-1311.4	-311.7	176971.5	61535.9	60721.2
357.	707.7	-2005.8	26.9	176417.7	-9517.0	5694.2
	530.8	-2118.9	-311.7	176971.5	75427.4	-15711.7
Asta	142	odi	13	11		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	257.2	5727.1	-61.3	13558.6	20269.1	-21594.6
	-138.1	6000.2	-248.7	20977.8	-22522.3	-61772.1
34.	257.2	3728.6	-61.3	13558.6	22367.4	140334.7
	-138.1	4001.8	-248.7	20977.8	-14003.6	109512.3
69.	257.2	1730.2	-61.3	13558.6	24465.8	233817.6
	-138.1	2003.4	-248.7	20977.8	-5484.9	212350.3
103.	257.2	-268.2	-61.3	13558.6	26564.1	258854.3
	-138.1	4.9	-248.7	20977.8	3033.8	246742.1
137.	257.2	-2266.6	-61.3	13558.6	28662.4	215444.8
	-138.1	-1993.5	-248.7	20977.8	11552.5	212687.7
171.	257.2	-4265.1	-61.3	13558.6	30760.8	103588.9
	-138.1	-3991.9	-248.7	20977.8	20071.2	110186.9
206.	257.2	-6263.5	-61.3	13558.6	32859.1	-76713.2
	-138.1	-5990.4	-248.7	20977.8	28589.9	-60760.1
240.	257.2	-8261.9	-61.3	13558.6	34957.4	-325461.7
	-138.1	-7988.8	-248.7	20977.8	37108.6	-300153.5
274.	257.2	-10260.4	-61.3	13558.6	37055.7	-642656.4
	-138.1	-9987.2	-248.7	20977.8	45627.3	-607993.1

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Asta	143	nod	15	13		
PROGR.	NORM	TY	TZZ	TORS	MY	MZ
0.	-2936.2	6476.8	-48.7	-237.1	1662.6	-162268.5
	-3091.9	6773.7	48.4	-1896.1	899.3	-202486.7
34.	-2936.2	4514.8	-48.7	-237.1	3301.4	22527.5
	-3091.9	4811.7	48.4	-1896.1	-728.8	-7707.5
67.	-2936.2	2552.8	-48.7	-237.1	4940.2	141352.5
	-3091.9	2849.7	48.4	-1896.1	-2356.9	121100.7
101.	-2936.2	590.9	-48.7	-237.1	6579.0	194206.5
	-3091.9	887.8	48.4	-1896.1	-3985.0	183937.8
135.	-2936.2	-1371.1	-48.7	-237.1	8217.8	181089.4
	-3091.9	-1074.2	48.4	-1896.1	-5613.0	180803.9
168.	-2936.2	-3333.0	-48.7	-237.1	9856.6	102001.3
	-3091.9	-3036.1	48.4	-1896.1	-7241.1	111699.0
202.	-2936.2	-5295.0	-48.7	-237.1	11495.4	-43057.9
	-3091.9	-4998.1	48.4	-1896.1	-8869.2	-23376.9
235.	-2936.2	-7257.0	-48.7	-237.1	13134.2	-254088.1
	-3091.9	-6960.1	48.4	-1896.1	-10497.3	-224423.9
269.	-2936.2	-9218.9	-48.7	-237.1	14773.0	-531089.3
	-3091.9	-8922.0	48.4	-1896.1	-12125.4	-491441.9
Asta	144	nod	17	15		
PROGR.	NORM	TY	TZZ	TORS	MY	MZ
0.	-5795.6	9208.1	0.3	-3021.9	1655.5	-449864.5
	-5785.7	9405.6	9.6	-3941.3	4294.3	-482552.8
41.	-5795.6	6819.5	0.3	-3021.9	1643.8	-121798.3
	-5785.7	7017.0	9.6	-3941.3	3903.1	-146403.4
82.	-5795.6	4430.9	0.3	-3021.9	1632.0	108483.1
	-5785.7	4628.3	9.6	-3941.3	3511.8	91961.3
123.	-5795.6	2042.2	0.3	-3021.9	1620.2	240979.7
	-5785.7	2239.7	9.6	-3941.3	3120.6	232541.2
164.	-5795.6	-346.4	0.3	-3021.9	1608.4	275691.5
	-5785.7	-148.9	9.6	-3941.3	2729.4	275336.3
205.	-5795.6	-2735.0	0.3	-3021.9	1596.6	212618.5
	-5785.7	-2537.6	9.6	-3941.3	2338.2	220346.6
246.	-5795.6	-5123.7	0.3	-3021.9	1584.8	51760.8
	-5785.7	-4926.2	9.6	-3941.3	1947.0	67572.2
287.	-5795.6	-7512.3	0.3	-3021.9	1573.0	-206881.8
	-5785.7	-7314.9	9.6	-3941.3	1555.8	-182987.1
328.	-5795.6	-9900.9	0.3	-3021.9	1561.3	-563309.2
	-5785.7	-9703.5	9.6	-3941.3	1164.6	-531331.2
Asta	145	nod	19	17		
PROGR.	NORM	TY	TZZ	TORS	MY	MZ
0.	-6774.4	9846.4	5.1	-4713.0	2945.9	-567215.4
	-6689.3	10036.9	1.0	-6750.3	3399.2	-598442.3
41.	-6774.4	7461.4	5.1	-4713.0	2738.0	-213489.0
	-6689.3	7651.9	1.0	-6750.3	3359.3	-236927.9
82.	-6774.4	5076.4	5.1	-4713.0	2530.2	42750.9
	-6689.3	5266.9	1.0	-6750.3	3319.5	27100.0
123.	-6774.4	2691.4	5.1	-4713.0	2322.4	201504.4
	-6689.3	2881.9	1.0	-6750.3	3279.7	193641.5
164.	-6774.4	306.4	5.1	-4713.0	2114.5	262771.5
	-6689.3	496.9	1.0	-6750.3	3239.9	262696.5
204.	-6774.4	-2078.6	5.1	-4713.0	1906.7	226552.1
	-6689.3	-1888.1	1.0	-6750.3	3200.1	234265.1
245.	-6774.4	-4463.6	5.1	-4713.0	1698.9	92846.3
	-6689.3	-4273.1	1.0	-6750.3	3160.3	108347.3
286.	-6774.4	-6848.6	5.1	-4713.0	1491.0	-138346.0
	-6689.3	-6658.0	1.0	-6750.3	3120.5	-115057.0
327.	-6774.4	-9233.6	5.1	-4713.0	1283.2	-467024.7
	-6689.3	-9043.0	1.0	-6750.3	3080.7	-435947.7
Asta	146	nod	21	19		
PROGR.	NORM	TY	TZZ	TORS	MY	MZ
0.	-8301.3	9228.6	1.6	-7016.7	3305.9	-470808.2
	-8136.2	9422.5	-2.4	-9129.9	1810.3	-502670.2
41.	-8301.3	6836.3	1.6	-7016.7	3239.4	-141476.3
	-8136.2	7030.2	-2.4	-9129.9	1907.2	-165390.0
82.	-8301.3	4444.1	1.6	-7016.7	3172.8	89772.1
	-8136.2	4637.9	-2.4	-9129.9	2004.1	73806.6
123.	-8301.3	2051.8	1.6	-7016.7	3106.3	222936.8
	-8136.2	2245.6	-2.4	-9129.9	2100.9	214919.6
164.	-8301.3	-340.5	1.6	-7016.7	3039.8	258017.9
	-8136.2	-146.6	-2.4	-9129.9	2197.8	257949.0
205.	-8301.3	-2732.8	1.6	-7016.7	2973.3	195015.5
	-8136.2	-2538.9	-2.4	-9129.9	2294.7	202894.8
246.	-8301.3	-5125.1	1.6	-7016.7	2906.8	33929.4
	-8136.2	-4931.2	-2.4	-9129.9	2391.5	49757.0
287.	-8301.3	-7517.4	1.6	-7016.7	2840.3	-225240.3
	-8136.2	-7323.5	-2.4	-9129.9	2488.4	-201464.4
328.	-8301.3	-9909.6	1.6	-7016.7	2773.7	-582493.6
	-8136.2	-9715.8	-2.4	-9129.9	2585.3	-550769.5
Asta	147	nod	23	21		
PROGR.	NORM	TY	TZZ	TORS	MY	MZ
0.	-11763.5	8398.9	-21.9	-9202.7	-2895.8	-333724.0
	-11509.9	8591.7	-26.7	-9761.6	-6990.8	-365091.1
41.	-11763.5	6017.5	-21.9	-9202.7	-2000.1	-39539.1
	-11509.9	6210.4	-26.7	-9761.6	-5899.9	-63036.4
82.	-11763.5	3636.2	-21.9	-9202.7	-1104.4	157457.3
	-11509.9	3829.0	-26.7	-9761.6	-4808.9	141829.7
122.	-11763.5	1254.9	-21.9	-9202.7	-208.7	257265.1
	-11509.9	1447.7	-26.7	-9761.6	-3717.9	249507.2

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163.	-11763.5	-1126.5	-21.9	-9202.7	687.0	259884.4
	-11509.9	-933.7	-26.7	-9761.6	-2626.9	259996.2
204.	-11763.5	-3507.8	-21.9	-9202.7	1582.8	165315.2
	-11509.9	-3315.0	-26.7	-9761.6	-1535.9	173296.7
245.	-11763.5	-5889.2	-21.9	-9202.7	2478.5	-26442.6
	-11509.9	-5696.4	-26.7	-9761.6	-445.0	-10591.4
286.	-11763.5	-8270.5	-21.9	-9202.7	3374.2	-315388.9
	-11509.9	-8077.7	-26.7	-9761.6	646.0	-291668.0
327.	-11763.5	-10651.9	-21.9	-9202.7	4269.9	-701523.8
	-11509.9	-10459.0	-26.7	-9761.6	1737.0	-669933.2
Asta	148	nodì	25	23		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-16908.4	8564.7	-66.8	-10346.6	-23215.8	-350916.3
	-16509.2	8795.8	-3.2	-9081.1	-8485.7	-388972.6
41.	-16908.4	6165.1	-66.8	-10346.6	-20468.5	-48033.5
	-16509.2	6396.2	-3.2	-9081.1	-8352.2	-76588.2
82.	-16908.4	3765.6	-66.8	-10346.6	-17721.3	156166.7
	-16509.2	3996.6	-3.2	-9081.1	-8218.6	137113.7
123.	-16908.4	1366.0	-66.8	-10346.6	-14974.0	261684.3
	-16509.2	1597.0	-3.2	-9081.1	-8085.0	252133.0
165.	-16908.4	-1033.6	-66.8	-10346.6	-12226.7	268519.4
	-16509.2	-802.5	-3.2	-9081.1	-7951.4	268469.7
206.	-16908.4	-3433.2	-66.8	-10346.6	-9479.4	176671.8
	-16509.2	-3202.1	-3.2	-9081.1	-7817.8	186123.8
247.	-16908.4	-5832.7	-66.8	-10346.6	-6732.1	-13858.3
	-16509.2	-5601.7	-3.2	-9081.1	-7684.2	5095.3
288.	-16908.4	-8232.3	-66.8	-10346.6	-3984.9	-303071.0
	-16509.2	-8001.3	-3.2	-9081.1	-7550.6	-274615.7
329.	-16908.4	-10631.9	-66.8	-10346.6	-1237.6	-690966.3
	-16509.2	-10400.8	-3.2	-9081.1	-7417.1	-653009.3
Asta	149	nodì	55	25		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-24313.0	9464.2	199.3	17515.0	24137.2	-346145.8
	-23997.2	9704.9	295.6	16791.5	46443.8	-390824.8
45.	-24313.0	6845.8	199.3	17515.0	15194.5	19808.2
	-23997.2	7086.5	295.6	16791.5	33176.7	-14067.4
90.	-24313.0	4227.4	199.3	17515.0	6251.7	268262.2
	-23997.2	4468.1	295.6	16791.5	19909.6	245190.1
135.	-24313.0	1609.0	199.3	17515.0	-2691.1	399216.2
	-23997.2	1849.8	295.6	16791.5	6642.5	386947.6
180.	-24313.0	-1009.4	199.3	17515.0	-11633.9	412670.4
	-23997.2	-768.6	295.6	16791.5	-6624.6	411205.2
224.	-24313.0	-3627.8	199.3	17515.0	-20576.6	308624.6
	-23997.2	-3387.0	295.6	16791.5	-19891.7	317962.8
269.	-24313.0	-6246.1	199.3	17515.0	-29519.4	87078.9
	-23997.2	-6005.4	295.6	16791.5	-33158.8	107220.5
314.	-24313.0	-8864.5	199.3	17515.0	-38462.2	-251966.8
	-23997.2	-8623.8	295.6	16791.5	-46425.9	-221021.7
359.	-24313.0	-11482.9	199.3	17515.0	-47404.9	-708512.4
	-23997.2	-11242.2	295.6	16791.5	-59693.0	-666763.8
Asta	150	nodì	105	55		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-9675.4	25331.7	295.1	-16556.0	34048.8	-1496502.6
	-9672.8	25386.9	95.6	-12682.6	40215.0	-1493803.6
19.	-9675.4	24237.7	295.1	-16556.0	28516.5	-1031789.2
	-9672.8	24292.8	95.6	-12682.6	38423.0	-1028056.4
38.	-9675.4	23143.7	295.1	-16556.0	22984.2	-587588.9
	-9672.8	23198.8	95.6	-12682.6	36630.9	-582822.3
56.	-9675.4	22049.6	295.1	-16556.0	17451.8	-163901.6
	-9672.8	22104.8	95.6	-12682.6	34838.8	-158101.3
75.	-9675.4	20955.6	295.1	-16556.0	11919.5	239272.5
	-9672.8	21010.7	95.6	-12682.6	33046.8	246106.6
94.	-9675.4	19861.6	295.1	-16556.0	6387.2	621933.6
	-9672.8	19916.7	95.6	-12682.6	31254.7	629801.4
113.	-9675.4	18767.5	295.1	-16556.0	854.9	984081.5
	-9672.8	18822.7	95.6	-12682.6	29462.7	992983.1
131.	-9675.4	17673.5	295.1	-16556.0	-4677.5	1325716.4
	-9672.8	17728.6	95.6	-12682.6	27670.6	1335651.7
150.	-9675.4	16579.5	295.1	-16556.0	-10209.8	1646838.1
	-9672.8	16634.6	95.6	-12682.6	25878.5	1657807.2
Asta	151	nodì	27	29		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-6098.5	7268.7	132.5	6568.6	10348.9	-332939.7
	-11557.4	7349.7	138.4	3266.0	8295.9	-364170.7
44.	-6098.5	5307.1	132.5	6568.6	4583.2	-59415.1
	-11557.4	5388.2	138.4	3266.0	2276.6	-87122.3
87.	-6098.5	3345.6	132.5	6568.6	-1182.5	128782.2
	-11557.4	3426.6	138.4	3266.0	-3742.7	104598.7
131.	-6098.5	1384.0	132.5	6568.6	-6948.1	231652.0
	-11557.4	1465.1	138.4	3266.0	-9761.9	210992.3
174.	-6098.5	-577.5	132.5	6568.6	-12713.8	249194.4
	-11557.4	-496.5	138.4	3266.0	-15781.2	232058.4
218.	-6098.5	-2539.1	132.5	6568.6	-18479.5	181409.3
	-11557.4	-2458.0	138.4	3266.0	-21800.5	167797.1
261.	-6098.5	-4500.6	132.5	6568.6	-24245.2	28296.9
	-11557.4	-4419.6	138.4	3266.0	-27819.7	18208.4
305.	-6098.5	-6462.2	132.5	6568.6	-30010.9	-210143.0
	-11557.4	-6381.1	138.4	3266.0	-33839.0	-216707.7
348.	-6098.5	-8423.7	132.5	6568.6	-35776.5	-533910.2
	-11557.4	-8342.7	138.4	3266.0	-39858.3	-536951.2

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Asta	152	nod	47	27		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-11860.9	7319.6	309.4	27277.3	67206.4	-288953.7
	-14252.9	7704.1	457.5	26973.9	94608.0	-357920.2
45.	-11860.9	5296.1	309.4	27277.3	53323.1	-5889.5
	-14252.9	5680.6	457.5	26973.9	74078.9	-57600.0
90.	-11860.9	3272.5	309.4	27277.3	39439.8	186367.8
	-14252.9	3657.0	457.5	26973.9	53549.9	151913.2
135.	-11860.9	1249.0	309.4	27277.3	25556.5	287818.1
	-14252.9	1633.5	457.5	26973.9	33020.9	270619.4
180.	-11860.9	-774.6	309.4	27277.3	11673.3	298461.5
	-14252.9	-390.1	457.5	26973.9	12491.8	298518.8
224.	-11860.9	-2798.2	309.4	27277.3	-2210.0	218298.0
	-14252.9	-2413.6	457.5	26973.9	-8037.2	235611.2
269.	-11860.9	-4821.7	309.4	27277.3	-16093.3	47327.5
	-14252.9	-4437.2	457.5	26973.9	-28566.3	81896.6
314.	-11860.9	-6845.3	309.4	27277.3	-29976.5	-214449.9
	-14252.9	-6460.7	457.5	26973.9	-49095.3	-162624.9
359.	-11860.9	-8868.8	309.4	27277.3	-43859.8	-567034.3
	-14252.9	-8484.3	457.5	26973.9	-69624.3	-497953.3

Asta	153	nod	106	47		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-4445.9	13074.9	-159.8	39100.8	12550.1	-699804.9
	-4375.5	13356.1	-297.2	42405.0	32567.7	-704645.8
19.	-4445.9	12229.4	-159.8	39100.8	15547.1	-462576.6
	-4375.5	12510.6	-297.2	42405.0	38140.0	-462145.1
38.	-4445.9	11383.9	-159.8	39100.8	18544.1	-241201.4
	-4375.5	11665.1	-297.2	42405.0	43712.2	-235497.4
56.	-4445.9	10538.4	-159.8	39100.8	21541.0	-35679.3
	-4375.5	10819.6	-297.2	42405.0	49284.4	-24702.7
75.	-4445.9	9692.9	-159.8	39100.8	24538.0	153989.8
	-4375.5	9974.1	-297.2	42405.0	54856.7	170238.9
94.	-4445.9	8847.4	-159.8	39100.8	27535.0	327805.9
	-4375.5	9128.6	-297.2	42405.0	60428.9	349327.4
113.	-4445.9	8001.9	-159.8	39100.8	30532.0	485768.9
	-4375.5	8283.1	-297.2	42405.0	66001.1	512562.9
131.	-4445.9	7156.5	-159.8	39100.8	33528.9	627878.9
	-4375.5	7437.7	-297.2	42405.0	71573.4	659945.4
150.	-4445.9	6311.0	-159.8	39100.8	36525.9	754135.8
	-4375.5	6592.2	-297.2	42405.0	77145.6	791474.8

Asta	154	nod	53	104		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1690.0	9340.7	-70.5	-20292.2	19716.1	-543341.6
	-3558.2	9483.3	84.9	-16170.6	14560.8	-592014.5
56.	-1690.0	6826.7	-70.5	-20292.2	23643.8	-92675.7
	-3558.2	6969.4	84.9	-16170.6	9830.4	-133397.0
112.	-1690.0	4312.8	-70.5	-20292.2	27571.5	217838.0
	-3558.2	4455.4	84.9	-16170.6	5099.9	185068.4
167.	-1690.0	1798.8	-70.5	-20292.2	31499.2	388199.5
	-3558.2	1941.5	84.9	-16170.6	369.5	363381.6
223.	-1690.0	-715.1	-70.5	-20292.2	35426.9	418408.9
	-3558.2	-572.5	84.9	-16170.6	-4360.9	401542.6
279.	-1690.0	-3229.0	-70.5	-20292.2	39354.6	308466.1
	-3558.2	-3086.4	84.9	-16170.6	-9091.4	299551.4
335.	-1690.0	-5743.0	-70.5	-20292.2	43282.4	58371.1
	-3558.2	-5600.3	84.9	-16170.6	-13821.8	57408.1
390.	-1690.0	-8256.9	-70.5	-20292.2	47210.1	-331876.1
	-3558.2	-8114.3	84.9	-16170.6	-18552.3	-324887.4
446.	-1690.0	-10770.9	-70.5	-20292.2	51137.8	-862275.4
	-3558.2	-10628.2	84.9	-16170.6	-23282.7	-847335.1

Asta	156	nod	31	53		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-6109.1	9930.4	-185.1	-20697.2	-56537.0	-731361.8
	-5000.3	10059.7	-11.3	-21899.5	14767.0	-743866.0
55.	-6109.1	7450.3	-185.1	-20697.2	-46357.1	-253393.1
	-5000.3	7579.6	-11.3	-21899.5	15388.7	-258783.4
110.	-6109.1	4970.2	-185.1	-20697.2	-36177.3	88168.9
	-5000.3	5099.5	-11.3	-21899.5	16010.4	89892.5
165.	-6109.1	2490.0	-185.1	-20697.2	-25997.5	293324.4
	-5000.3	2619.4	-11.3	-21899.5	16632.1	302161.8
220.	-6109.1	9.9	-185.1	-20697.2	-15817.7	362073.2
	-5000.3	139.3	-11.3	-21899.5	17253.8	378024.4
275.	-6109.1	-2470.2	-185.1	-20697.2	-5637.8	294415.3
	-5000.3	-2340.9	-11.3	-21899.5	17875.5	317480.5
330.	-6109.1	-4950.3	-185.1	-20697.2	4542.0	90350.9
	-5000.3	-4821.0	-11.3	-21899.5	18497.2	120529.9
385.	-6109.1	-7430.4	-185.1	-20697.2	14721.8	-250120.2
	-5000.3	-7301.1	-11.3	-21899.5	19118.9	-212827.4
440.	-6109.1	-9910.6	-185.1	-20697.2	24901.6	-726997.9
	-5000.3	-9781.2	-11.3	-21899.5	19740.6	-682591.2

Asta	157	nod	14	12		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-469.3	6320.2	-13.8	20625.8	12776.9	-123606.8
	61.6	6139.9	-26.6	28068.8	37852.7	-100376.0
34.	-469.3	4321.8	-13.8	20625.8	13249.2	58637.3
	61.6	4141.5	-26.6	28068.8	38764.4	75692.2
69.	-469.3	2323.3	-13.8	20625.8	13721.5	172435.1
	61.6	2143.0	-26.6	28068.8	39676.0	183314.2
103.	-469.3	324.9	-13.8	20625.8	14193.8	217786.6

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137.	61.6	144.6	-26.6	28068.8	40587.7	222489.8
	-469.3	-1673.5	-13.8	20625.8	14666.1	194691.9
171.	61.6	-1853.8	-26.6	28068.8	41499.3	193219.2
	-469.3	-3671.9	-13.8	20625.8	15138.4	103150.8
206.	61.6	-3852.3	-26.6	28068.8	42411.0	95502.3
	-469.3	-5670.4	-13.8	20625.8	15610.8	-56836.5
240.	61.6	-5850.7	-26.6	28068.8	43322.6	-70660.8
	-469.3	-7668.8	-13.8	20625.8	16083.1	-285270.1
274.	61.6	-7849.1	-26.6	28068.8	44234.3	-305270.3
	-469.3	-9667.2	-13.8	20625.8	16555.4	-582150.0
	61.6	-9847.6	-26.6	28068.8	45145.9	-608326.0
Asta	158	nodì	16	14		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-860.9	7410.0	3.9	-847.6	11507.7	-284772.2
	-299.5	7202.2	-35.6	2977.1	26151.2	-257079.4
34.	-860.9	5448.0	3.9	-847.6	11375.3	-68597.5
	-299.5	5240.2	-35.6	2977.1	27348.4	-47891.4
67.	-860.9	3486.0	3.9	-847.6	11242.8	81606.2
	-299.5	3278.3	-35.6	2977.1	28545.5	95325.5
101.	-860.9	1524.1	3.9	-847.6	11110.3	165838.8
	-299.5	1316.3	-35.6	2977.1	29742.6	172571.5
135.	-860.9	-437.9	3.9	-847.6	10977.9	184100.4
	-299.5	-645.7	-35.6	2977.1	30939.7	183846.4
168.	-860.9	-2399.8	3.9	-847.6	10845.4	136391.0
	-299.5	-2607.6	-35.6	2977.1	32136.9	129150.3
202.	-860.9	-4361.8	3.9	-847.6	10713.0	22710.6
	-299.5	-4569.6	-35.6	2977.1	33334.0	8483.1
235.	-860.9	-6323.8	3.9	-847.6	10580.5	-156940.9
	-299.5	-6531.6	-35.6	2977.1	34531.1	-178155.1
269.	-860.9	-8285.7	3.9	-847.6	10448.0	-402563.4
	-299.5	-8493.5	-35.6	2977.1	35728.2	-430764.3
Asta	159	nodì	18	16		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1022.1	9835.2	-1.9	-3514.7	9464.5	-552385.0
	-523.8	9679.7	-29.3	-4317.7	16767.7	-526864.1
41.	-1022.1	7446.5	-1.9	-3514.7	9541.2	-198649.6
	-523.8	7291.0	-29.3	-4317.7	17968.8	-179494.9
82.	-1022.1	5057.9	-1.9	-3514.7	9617.9	57301.0
	-523.8	4902.4	-29.3	-4317.7	19169.9	70089.6
123.	-1022.1	2669.3	-1.9	-3514.7	9694.6	215466.9
	-523.8	2513.8	-29.3	-4317.7	20371.0	221889.2
164.	-1022.1	280.6	-1.9	-3514.7	9771.3	275847.9
	-523.8	125.1	-29.3	-4317.7	21572.1	275904.1
205.	-1022.1	-2108.0	-1.9	-3514.7	9848.0	238444.1
	-523.8	-2263.5	-29.3	-4317.7	22773.2	232134.1
246.	-1022.1	-4496.6	-1.9	-3514.7	9924.7	103255.6
	-523.8	-4652.1	-29.3	-4317.7	23974.2	90579.4
287.	-1022.1	-6885.3	-1.9	-3514.7	10001.4	-129717.8
	-523.8	-7040.8	-29.3	-4317.7	25175.3	-148760.1
328.	-1022.1	-9273.9	-1.9	-3514.7	10078.1	-460475.9
	-523.8	-9429.4	-29.3	-4317.7	26376.4	-485884.5
Asta	160	nodì	20	18		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1644.6	10548.5	4.9	-4408.8	10916.6	-684263.3
	-1300.5	10377.3	-14.4	-7004.8	12700.7	-656341.5
41.	-1644.6	8163.5	4.9	-4408.8	10717.3	-301837.5
	-1300.5	7992.3	-14.4	-7004.8	13287.8	-280912.9
82.	-1644.6	5778.5	4.9	-4408.8	10518.0	-16898.1
	-1300.5	5607.3	-14.4	-7004.8	13874.8	-2970.7
123.	-1644.6	3393.5	4.9	-4408.8	10318.6	170554.8
	-1300.5	3222.3	-14.4	-7004.8	14461.8	177485.0
164.	-1644.6	1008.5	4.9	-4408.8	10119.3	260521.4
	-1300.5	837.3	-14.4	-7004.8	15048.9	260454.3
204.	-1644.6	-1376.5	4.9	-4408.8	9920.0	253001.4
	-1300.5	-1547.7	-14.4	-7004.8	15635.9	245937.1
245.	-1644.6	-3761.5	4.9	-4408.8	9720.7	147995.0
	-1300.5	-3932.6	-14.4	-7004.8	16222.9	133933.5
286.	-1644.6	-6146.4	4.9	-4408.8	9521.3	-54497.8
	-1300.5	-6317.6	-14.4	-7004.8	16810.0	-75556.6
327.	-1644.6	-8531.4	4.9	-4408.8	9322.0	-354477.0
	-1300.5	-8702.6	-14.4	-7004.8	17397.0	-382533.1
Asta	161	nodì	22	20		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2180.6	10027.5	-14.9	-4516.1	7958.4	-607112.7
	-1990.1	9859.0	-38.9	-7729.1	1545.1	-579384.7
41.	-2180.6	7635.2	-14.9	-4516.1	8569.7	-245027.0
	-1990.1	7466.7	-38.9	-7729.1	3138.2	-224208.4
82.	-2180.6	5242.9	-14.9	-4516.1	9181.0	18975.2
	-1990.1	5074.4	-38.9	-7729.1	4731.2	32884.2
123.	-2180.6	2850.7	-14.9	-4516.1	9792.3	184893.7
	-1990.1	2682.1	-38.9	-7729.1	6324.3	191893.3
164.	-2180.6	458.4	-14.9	-4516.1	10403.6	252728.7
	-1990.1	289.8	-38.9	-7729.1	7917.4	252818.7
205.	-2180.6	-1933.9	-14.9	-4516.1	11014.9	222480.0
	-1990.1	-2102.4	-38.9	-7729.1	9510.4	215660.6
246.	-2180.6	-4326.2	-14.9	-4516.1	11626.1	94147.8
	-1990.1	-4494.7	-38.9	-7729.1	11103.5	80418.8
287.	-2180.6	-6718.5	-14.9	-4516.1	12237.4	-132268.1
	-1990.1	-6887.0	-38.9	-7729.1	12696.6	-152906.5
328.	-2180.6	-9110.8	-14.9	-4516.1	12848.7	-456767.6

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	-1990.1	-9279.3	-38.9	-7729.1	14289.6	-484315.5
Asta	162	nodì	24	22		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2343.6	9366.4	-86.4	-2869.9	-13903.3	-497523.9
	-2301.4	9191.5	-116.6	-5341.2	-31100.4	-468921.1
41.	-2343.6	6985.1	-86.4	-2869.9	-10378.3	-163851.8
	-2301.4	6810.1	-116.6	-5341.2	-26339.7	-142388.1
82.	-2343.6	4603.7	-86.4	-2869.9	-6853.2	72631.8
	-2301.4	4428.8	-116.6	-5341.2	-21579.1	86956.4
122.	-2343.6	2222.4	-86.4	-2869.9	-3328.1	211926.8
	-2301.4	2047.5	-116.6	-5341.2	-16818.5	219112.3
163.	-2343.6	-159.0	-86.4	-2869.9	196.9	254033.3
	-2301.4	-333.9	-116.6	-5341.2	-12057.8	254079.7
204.	-2343.6	-2540.3	-86.4	-2869.9	3722.0	198951.2
	-2301.4	-2715.2	-116.6	-5341.2	-7297.2	191858.6
245.	-2343.6	-4921.7	-86.4	-2869.9	7247.0	46680.6
	-2301.4	-5096.6	-116.6	-5341.2	-2536.6	32448.9
286.	-2343.6	-7303.0	-86.4	-2869.9	10772.1	-202778.6
	-2301.4	-7477.9	-116.6	-5341.2	2224.1	-224149.4
327.	-2343.6	-9684.3	-86.4	-2869.9	14297.1	-549426.3
	-2301.4	-9859.3	-116.6	-5341.2	6984.7	-577936.2
Asta	163	nodì	26	24		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2078.0	9508.5	-287.2	-56.5	-97940.5	-498940.2
	-2230.0	9362.6	-337.5	-107.9	-133640.2	-473974.0
41.	-2078.0	7109.0	-287.2	-56.5	-86131.0	-157242.6
	-2230.0	6963.0	-337.5	-107.9	-119760.6	-138279.0
82.	-2078.0	4709.4	-287.2	-56.5	-74321.6	85772.5
	-2230.0	4563.4	-337.5	-107.9	-105881.1	98733.3
123.	-2078.0	2309.8	-287.2	-56.5	-62512.1	230105.0
	-2230.0	2163.9	-337.5	-107.9	-92001.5	237063.1
165.	-2078.0	-89.8	-287.2	-56.5	-50702.7	275754.9
	-2230.0	-235.7	-337.5	-107.9	-78121.9	276710.4
206.	-2078.0	-2489.3	-287.2	-56.5	-38893.2	222722.3
	-2230.0	-2635.3	-337.5	-107.9	-64242.4	217675.0
247.	-2078.0	-4888.9	-287.2	-56.5	-27083.8	71007.0
	-2230.0	-5034.9	-337.5	-107.9	-50362.8	59957.0
288.	-2078.0	-7288.5	-287.2	-56.5	-15274.3	-179390.8
	-2230.0	-7434.5	-337.5	-107.9	-36483.3	-196443.5
329.	-2078.0	-9688.1	-287.2	-56.5	-3464.9	-528471.2
	-2230.0	-9834.0	-337.5	-107.9	-22603.7	-551526.6
Asta	164	nodì	56	26		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2465.8	12934.7	781.7	-17492.7	110178.0	-1141331.4
	-2333.2	12791.3	517.7	-13988.5	75243.6	-1113831.6
45.	-2465.8	10316.3	781.7	-17492.7	75099.0	-619636.8
	-2333.2	10172.9	517.7	-13988.5	52013.9	-598572.2
90.	-2465.8	7697.9	781.7	-17492.7	40020.0	-215442.1
	-2333.2	7554.5	517.7	-13988.5	28784.2	-200812.7
135.	-2465.8	5079.5	781.7	-17492.7	4941.1	71252.7
	-2333.2	4936.1	517.7	-13988.5	5554.5	79446.9
180.	-2465.8	2461.2	781.7	-17492.7	-30137.9	240447.5
	-2333.2	2317.8	517.7	-13988.5	-17675.2	242206.5
224.	-2465.8	-157.2	781.7	-17492.7	-65216.9	292142.3
	-2333.2	-300.6	517.7	-13988.5	-40904.9	287466.2
269.	-2465.8	-2775.6	781.7	-17492.7	-100295.8	226337.3
	-2333.2	-2919.0	517.7	-13988.5	-64134.6	215225.9
314.	-2465.8	-5394.0	781.7	-17492.7	-135374.8	43032.3
	-2333.2	-5537.4	517.7	-13988.5	-87364.3	25485.7
359.	-2465.8	-8012.4	781.7	-17492.7	-170453.7	-257772.6
	-2333.2	-8155.8	517.7	-13988.5	-110594.0	-281754.4
Asta	165	nodì	111	56		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	211.2	-7150.4	-126.3	-101506.6	51240.5	198712.5
	190.1	-7082.8	-295.4	-112261.7	2045.4	198097.5
19.	211.2	-8244.4	-126.3	-101506.6	53609.3	54386.3
	190.1	-8176.8	-295.4	-112261.7	7583.9	55038.6
38.	211.2	-9338.4	-126.3	-101506.6	55978.1	-110453.0
	190.1	-9270.9	-295.4	-112261.7	13122.4	-108533.3
56.	211.2	-10432.5	-126.3	-101506.6	58346.9	-295805.3
	190.1	-10364.9	-295.4	-112261.7	18660.9	-292618.3
75.	211.2	-11526.5	-126.3	-101506.6	60715.7	-501670.8
	190.1	-11458.9	-295.4	-112261.7	24199.4	-497216.4
94.	211.2	-12620.5	-126.3	-101506.6	63084.6	-728049.4
	190.1	-12552.9	-295.4	-112261.7	29737.9	-722327.6
113.	211.2	-13714.6	-126.3	-101506.6	65453.4	-974941.1
	190.1	-13647.0	-295.4	-112261.7	35276.4	-967951.9
131.	211.2	-14808.6	-126.3	-101506.6	67822.2	-1242345.8
	190.1	-14741.0	-295.4	-112261.7	40814.9	-1234089.3
150.	211.2	-15902.6	-126.3	-101506.6	70191.0	-1530263.7
	190.1	-15835.0	-295.4	-112261.7	46353.4	-1520739.7
Asta	166	nodì	28	30		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2617.2	8081.1	529.3	-24284.4	130256.8	-478801.0
	-994.7	7527.7	257.0	-28099.6	27300.0	-381229.5
44.	-2617.2	6119.5	529.3	-24284.4	107233.0	-169937.3
	-994.7	5566.2	257.0	-28099.6	16119.5	-96437.8
87.	-2617.2	4158.0	529.3	-24284.4	84209.1	53598.9
	-994.7	3604.6	257.0	-28099.6	4939.0	103026.5

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131.	-2617.2	2196.4	529.3	-24284.4	61185.2	191807.8
	-994.7	1643.1	257.0	-28099.6	-6241.5	217163.3
174.	-2617.2	234.9	529.3	-24284.4	38161.3	244689.2
	-994.7	-318.5	257.0	-28099.6	-17422.1	245972.7
218.	-2617.2	-1726.7	529.3	-24284.4	15137.4	212243.2
	-994.7	-2280.0	257.0	-28099.6	-28602.6	189454.8
261.	-2617.2	-3688.2	529.3	-24284.4	-7886.5	94469.8
	-994.7	-4241.6	257.0	-28099.6	-39783.1	47609.3
305.	-2617.2	-5649.8	529.3	-24284.4	-30910.3	-108631.1
	-994.7	-6203.1	257.0	-28099.6	-50963.6	-179563.5
348.	-2617.2	-7611.3	529.3	-24284.4	-53934.2	-397059.3
	-994.7	-8164.7	257.0	-28099.6	-62144.1	-492063.7

Asta	167	odi	48	28		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2317.0	9930.2	-198.7	20722.2	-31512.4	-867693.3
	-1148.4	9364.9	-236.7	21743.7	-42442.2	-762446.3
45.	-2317.0	7906.6	-198.7	20722.2	-22594.1	-467480.1
	-1148.4	7341.4	-236.7	21743.7	-31821.8	-387599.6
90.	-2317.0	5883.1	-198.7	20722.2	-13675.8	-158073.8
	-1148.4	5317.8	-236.7	21743.7	-21201.4	-103559.8
135.	-2317.0	3859.5	-198.7	20722.2	-4757.6	60525.5
	-1148.4	3294.2	-236.7	21743.7	-10581.0	89673.1
180.	-2317.0	1836.0	-198.7	20722.2	4160.7	188317.9
	-1148.4	1270.7	-236.7	21743.7	39.4	192099.0
224.	-2317.0	-187.6	-198.7	20722.2	13079.0	225303.4
	-1148.4	-752.9	-236.7	21743.7	10659.8	203717.9
269.	-2317.0	-2211.1	-198.7	20722.2	21997.3	171481.9
	-1148.4	-2776.4	-236.7	21743.7	21280.2	124530.0
314.	-2317.0	-4234.7	-198.7	20722.2	30915.5	26853.5
	-1148.4	-4800.0	-236.7	21743.7	31900.6	-45464.9
359.	-2317.0	-6258.2	-198.7	20722.2	39833.8	-208581.8
	-1148.4	-6823.5	-236.7	21743.7	42521.0	-306266.8

Asta	168	odi	112	48		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-640.5	-4989.4	853.2	-162011.8	77840.3	116872.4
	527.3	-5187.4	828.1	-158760.1	64568.1	113949.0
19.	-640.5	-5834.9	853.2	-162011.8	61843.7	15393.8
	527.3	-6032.9	828.1	-158760.1	49041.2	8759.5
38.	-640.5	-6680.4	853.2	-162011.8	45847.0	-101937.9
	527.3	-6878.3	828.1	-158760.1	33514.3	-112283.0
56.	-640.5	-7525.9	853.2	-162011.8	29850.4	-235122.7
	527.3	-7723.8	828.1	-158760.1	17987.3	-249178.5
75.	-640.5	-8371.4	853.2	-162011.8	13853.7	-384160.4
	527.3	-8569.3	828.1	-158760.1	2460.4	-401927.1
94.	-640.5	-9216.9	853.2	-162011.8	-2143.0	-549051.3
	527.3	-9414.8	828.1	-158760.1	-13066.5	-570528.7
113.	-640.5	-10062.4	853.2	-162011.8	-18139.6	-729795.1
	527.3	-10260.3	828.1	-158760.1	-28593.5	-754983.4
131.	-640.5	-10907.9	853.2	-162011.8	-34136.3	-926392.0
	527.3	-11105.8	828.1	-158760.1	-44120.4	-955291.1
150.	-640.5	-11753.4	853.2	-162011.8	-50133.0	-1138842.0
	527.3	-11951.3	828.1	-158760.1	-59647.3	-1171451.9

Asta	169	odi	54	110		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-134.4	9884.1	-115.4	-21391.2	18738.7	-684611.1
	-591.5	9480.4	-101.3	-13711.4	34148.4	-594028.4
56.	-134.4	7370.1	-115.4	-21391.2	25171.6	-203650.5
	-591.5	6966.4	-101.3	-13711.4	39794.4	-135574.4
112.	-134.4	4856.2	-115.4	-21391.2	31604.5	137158.0
	-591.5	4452.5	-101.3	-13711.4	45440.5	182727.5
167.	-134.4	2342.2	-115.4	-21391.2	38037.4	337814.3
	-591.5	1938.5	-101.3	-13711.4	51086.5	360877.2
223.	-134.4	-171.7	-115.4	-21391.2	44470.3	398318.4
	-591.5	-575.4	-101.3	-13711.4	56732.5	398874.8
279.	-134.4	-2685.6	-115.4	-21391.2	50903.2	318670.3
	-591.5	-3089.3	-101.3	-13711.4	62378.6	296720.1
335.	-134.4	-5199.6	-115.4	-21391.2	57336.1	98870.1
	-591.5	-5603.3	-101.3	-13711.4	68024.6	54413.3
390.	-134.4	-7713.5	-115.4	-21391.2	63769.0	-261082.4
	-591.5	-8117.2	-101.3	-13711.4	73670.6	-328045.7
446.	-134.4	-10227.5	-115.4	-21391.2	70201.9	-761186.9
	-591.5	-10631.2	-101.3	-13711.4	79316.7	-850656.9

Asta	170	odi	32	54		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-103.8	10419.5	-191.4	-8323.0	-65571.0	-811920.6
	-591.9	9997.8	-171.3	-4794.1	-42089.4	-721743.3
55.	-103.8	7939.4	-191.4	-8323.0	-55041.3	-307052.5
	-591.9	7517.6	-171.3	-4794.1	-32666.4	-240069.3
110.	-103.8	5459.2	-191.4	-8323.0	-44511.6	61408.9
	-591.9	5037.5	-171.3	-4794.1	-23243.4	105198.1
165.	-103.8	2979.1	-191.4	-8323.0	-33981.9	293463.7
	-591.9	2557.4	-171.3	-4794.1	-13820.5	314058.9
220.	-103.8	499.0	-191.4	-8323.0	-23452.2	389111.8
	-591.9	77.3	-171.3	-4794.1	-4397.5	386513.1
275.	-103.8	-1981.1	-191.4	-8323.0	-12922.5	348353.3
	-591.9	-2402.8	-171.3	-4794.1	5025.5	322560.6
330.	-103.8	-4461.2	-191.4	-8323.0	-2392.8	171188.2
	-591.9	-4883.0	-171.3	-4794.1	14448.5	122201.5
385.	-103.8	-6941.4	-191.4	-8323.0	8136.9	-142383.5
	-591.9	-7363.1	-171.3	-4794.1	23871.5	-214564.2

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440.	-103.8 -591.9	-9421.5 -9843.2	-191.4 -171.3	-8323.0 -4794.1	18666.6 33294.5	-592361.8 -687736.5
Asta	171	nodì	71	70		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	285.4	7424.0	14.8	-8567.9	5863.2	-223962.7
	899.4	7019.3	-116.0	-6182.8	66392.4	-172612.8
34.	285.4	5328.3	14.8	-8567.9	5354.9	-5580.2
	899.4	4923.6	-116.0	-6182.8	70365.8	31908.7
69.	285.4	3232.6	14.8	-8567.9	4846.7	141026.1
	899.4	2827.9	-116.0	-6182.8	74339.1	164653.9
103.	285.4	1137.0	14.8	-8567.9	4338.4	215856.0
	899.4	732.3	-116.0	-6182.8	78312.4	225622.8
137.	285.4	-958.7	14.8	-8567.9	3830.1	218909.7
	899.4	-1363.4	-116.0	-6182.8	82285.8	214815.4
171.	285.4	-3054.3	14.8	-8567.9	3321.8	150187.0
	899.4	-3459.0	-116.0	-6182.8	86259.1	132231.7
206.	285.4	-5150.0	14.8	-8567.9	2813.5	9688.0
	899.4	-5554.7	-116.0	-6182.8	90232.5	-22128.3
240.	285.4	-7245.6	14.8	-8567.9	2305.2	-202587.3
	899.4	-7650.4	-116.0	-6182.8	94205.8	-248264.7
274.	285.4	-9341.3	14.8	-8567.9	1797.0	-486638.9
	899.4	-9746.0	-116.0	-6182.8	98179.1	-546177.3
Asta	172	nodì	72	71		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	291.0	8411.5	22.6	-5447.8	11410.5	-395743.0
	601.6	8009.0	-63.8	-2482.2	44901.9	-341091.9
34.	291.0	6354.1	22.6	-5447.8	10651.9	-147495.1
	601.6	5951.6	-63.8	-2482.2	47047.2	-106378.1
67.	291.0	4296.7	22.6	-5447.8	9893.3	31572.2
	601.6	3894.2	-63.8	-2482.2	49192.5	59155.1
101.	291.0	2239.3	22.6	-5447.8	9134.8	141458.9
	601.6	1836.8	-63.8	-2482.2	51337.8	155507.6
135.	291.0	181.9	22.6	-5447.8	8376.2	182164.9
	601.6	-220.6	-63.8	-2482.2	53483.1	182679.6
168.	291.0	-1875.5	22.6	-5447.8	7617.7	153690.3
	601.6	-2278.0	-63.8	-2482.2	55628.4	140670.8
202.	291.0	-3933.0	22.6	-5447.8	6859.1	56035.1
	601.6	-4335.5	-63.8	-2482.2	57773.7	29481.5
235.	291.0	-5990.4	22.6	-5447.8	6100.5	-110800.8
	601.6	-6392.9	-63.8	-2482.2	59919.0	-150888.5
269.	291.0	-8047.8	22.6	-5447.8	5342.0	-346817.4
	601.6	-8450.3	-63.8	-2482.2	62064.3	-400439.2
Asta	173	nodì	73	72		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-468.7	10587.3	1.3	-3952.1	11844.6	-606829.1
	-417.9	10288.6	-45.6	-2456.0	30969.2	-557955.2
41.	-468.7	8082.5	1.3	-3952.1	11791.2	-224682.3
	-417.9	7783.8	-45.6	-2456.0	32835.9	-188035.5
82.	-468.7	5577.6	1.3	-3952.1	11737.7	54922.3
	-417.9	5278.9	-45.6	-2456.0	34702.5	79342.0
123.	-468.7	3072.8	1.3	-3952.1	11684.2	231984.8
	-417.9	2774.1	-45.6	-2456.0	36569.1	244177.3
164.	-468.7	567.9	1.3	-3952.1	11630.7	306505.0
	-417.9	269.2	-45.6	-2456.0	38435.8	306470.3
205.	-468.7	-1936.9	1.3	-3952.1	11577.2	278483.0
	-417.9	-2235.6	-45.6	-2456.0	40302.4	266221.2
246.	-468.7	-4441.8	1.3	-3952.1	11523.7	147918.9
	-417.9	-4740.5	-45.6	-2456.0	42169.0	123429.9
287.	-468.7	-6946.6	1.3	-3952.1	11470.2	-85187.5
	-417.9	-7245.3	-45.6	-2456.0	44035.7	-121903.6
328.	-468.7	-9451.5	1.3	-3952.1	11416.8	-420836.0
	-417.9	-9750.2	-45.6	-2456.0	45902.3	-469779.3
Asta	174	nodì	74	73		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-812.4	6287.2	-39.8	-4643.8	1439.8	-449541.8
	-1075.7	5973.5	-100.2	-7133.3	5771.2	-398311.4
41.	-812.4	4963.4	-39.8	-4643.8	3067.1	-219607.3
	-1075.7	4649.6	-100.2	-7133.3	9866.1	-181201.8
82.	-812.4	3639.6	-39.8	-4643.8	4694.3	-43784.1
	-1075.7	3325.8	-100.2	-7133.3	13961.1	-18203.5
123.	-812.4	2315.8	-39.8	-4643.8	6321.5	77927.9
	-1075.7	2002.0	-100.2	-7133.3	18056.0	90683.5
164.	-812.4	991.9	-39.8	-4643.8	7948.7	145528.5
	-1075.7	678.2	-100.2	-7133.3	22150.9	145459.3
204.	-812.4	-331.9	-39.8	-4643.8	9575.9	159017.9
	-1075.7	-645.7	-100.2	-7133.3	26245.8	146123.7
245.	-812.4	-1655.7	-39.8	-4643.8	11203.1	118396.0
	-1075.7	-1969.5	-100.2	-7133.3	30340.7	92676.9
286.	-812.4	-2979.5	-39.8	-4643.8	12830.3	23662.9
	-1075.7	-3293.3	-100.2	-7133.3	34435.7	-14881.2
327.	-812.4	-4303.4	-39.8	-4643.8	14457.6	-125181.6
	-1075.7	-4617.1	-100.2	-7133.3	38530.6	-176550.5
Asta	175	nodì	75	74		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	394.0	5808.2	-55.2	-1442.8	-12839.7	-386748.0
	-304.4	5502.9	-110.3	-4975.9	-23278.2	-336823.8
41.	394.0	4480.4	-55.2	-1442.8	-10574.9	-175831.6
	-304.4	4175.0	-110.3	-4975.9	-18756.7	-138428.0
82.	394.0	3152.5	-55.2	-1442.8	-8310.1	-19358.0

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123.	-304.4	2847.1	-110.3	-4975.9	-14235.2	5525.1
	394.0	1824.6	-55.2	-1442.8	-6045.3	82673.0
	-304.4	1519.2	-110.3	-4975.9	-9713.8	95035.4
164.	394.0	496.8	-55.2	-1442.8	-3780.5	130261.1
	-304.4	191.4	-110.3	-4975.9	-5192.3	130103.0
205.	394.0	-831.1	-55.2	-1442.8	-1515.7	123406.6
	-304.4	-1136.5	-110.3	-4975.9	-670.8	110727.8
246.	394.0	-2159.0	-55.2	-1442.8	749.1	62109.3
	-304.4	-2464.4	-110.3	-4975.9	3850.6	36909.9
287.	394.0	-3486.9	-55.2	-1442.8	3013.9	-53630.8
	-304.4	-3792.2	-110.3	-4975.9	8372.1	-91350.7
328.	394.0	-4814.7	-55.2	-1442.8	5278.7	-223813.5
	-304.4	-5120.1	-110.3	-4975.9	12893.6	-274054.1
Asta	176	nodì	76	75		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	907.2	5353.1	-52.3	2762.2	-28962.7	-310283.3
	-227.2	5014.6	-108.2	-1179.5	-54175.1	-253336.7
41.	907.2	4031.3	-52.3	2762.2	-26830.1	-118780.9
	-227.2	3692.8	-108.2	-1179.5	-49757.8	-75653.1
82.	907.2	2709.5	-52.3	2762.2	-24697.4	18775.5
	-227.2	2371.0	-108.2	-1179.5	-45340.5	48084.6
122.	907.2	1387.7	-52.3	2762.2	-22564.8	102386.0
	-227.2	1049.2	-108.2	-1179.5	-40923.2	117876.4
163.	907.2	66.0	-52.3	2762.2	-20432.1	132050.6
	-227.2	-272.6	-108.2	-1179.5	-36505.9	133722.3
204.	907.2	-1255.8	-52.3	2762.2	-18299.5	107769.2
	-227.2	-1594.4	-108.2	-1179.5	-32088.6	95622.2
245.	907.2	-2577.6	-52.3	2762.2	-16166.9	29541.9
	-227.2	-2916.2	-108.2	-1179.5	-27671.4	3576.2
286.	907.2	-3899.4	-52.3	2762.2	-14034.2	-102631.3
	-227.2	-4238.0	-108.2	-1179.5	-23254.1	-142415.7
327.	907.2	-5221.2	-52.3	2762.2	-11901.6	-288750.5
	-227.2	-5559.8	-108.2	-1179.5	-18836.8	-342353.6
Asta	177	nodì	77	76		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	1928.6	10285.7	9.7	2080.6	-26076.4	-572429.8
	626.0	9960.0	-24.5	866.4	-57422.3	-518323.3
41.	1928.6	7769.4	9.7	2080.6	-26474.8	-201171.5
	626.0	7443.7	-24.5	866.4	-56415.5	-160460.6
82.	1928.6	5253.1	9.7	2080.6	-26873.2	66603.1
	626.0	4927.3	-24.5	866.4	-55408.6	93918.4
123.	1928.6	2736.8	9.7	2080.6	-27271.6	230894.1
	626.0	2411.0	-24.5	866.4	-54401.7	244813.8
165.	1928.6	220.4	9.7	2080.6	-27670.1	291701.4
	626.0	-105.3	-24.5	866.4	-53394.9	292225.5
206.	1928.6	-2295.9	9.7	2080.6	-28068.5	249025.0
	626.0	-2621.6	-24.5	866.4	-52388.0	236153.5
247.	1928.6	-4812.2	9.7	2080.6	-28466.9	102865.0
	626.0	-5137.9	-24.5	866.4	-51381.1	76597.9
288.	1928.6	-7328.5	9.7	2080.6	-28865.3	-146778.7
	626.0	-7654.3	-24.5	866.4	-50374.3	-186441.4
329.	1928.6	-9844.8	9.7	2080.6	-29263.8	-499906.0
	626.0	-10170.6	-24.5	866.4	-49367.4	-552964.3
Asta	178	nodì	92	77		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	2646.0	12158.7	160.4	-3695.3	31504.8	-850722.3
	1320.7	11855.9	-10.5	-1571.5	-56754.1	-793706.7
45.	2646.0	9412.9	160.4	-3695.3	24307.0	-366708.0
	1320.7	9110.1	-10.5	-1571.5	-56283.1	-323282.1
90.	2646.0	6667.2	160.4	-3695.3	17109.2	-5910.2
	1320.7	6364.3	-10.5	-1571.5	-55812.1	23926.0
135.	2646.0	3921.4	160.4	-3695.3	9911.3	231671.0
	1320.7	3618.6	-10.5	-1571.5	-55341.2	247917.7
180.	2646.0	1175.6	160.4	-3695.3	2713.5	346035.8
	1320.7	872.8	-10.5	-1571.5	-54870.2	348692.8
224.	2646.0	-1570.1	160.4	-3695.3	-4484.3	337184.0
	1320.7	-1873.0	-10.5	-1571.5	-54399.2	326251.4
269.	2646.0	-4315.9	160.4	-3695.3	-11682.1	205115.8
	1320.7	-4618.7	-10.5	-1571.5	-53928.2	180593.5
314.	2646.0	-7061.7	160.4	-3695.3	-18880.0	-50169.0
	1320.7	-7364.5	-10.5	-1571.5	-53457.3	-88280.9
359.	2646.0	-9807.5	160.4	-3695.3	-26077.8	-428670.3
	1320.7	-10110.3	-10.5	-1571.5	-52986.3	-480371.8
Asta	179	nodì	108	92		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	679.6	-277.5	360.8	-4615.4	93815.6	63202.4
	-764.7	-237.9	234.2	-9327.9	-31531.2	60730.8
19.	679.6	-1424.7	360.8	-4615.4	87050.4	47244.5
	-764.7	-1385.2	234.2	-9327.9	-35922.2	45513.8
38.	679.6	-2572.0	360.8	-4615.4	80285.2	9775.5
	-764.7	-2532.5	234.2	-9327.9	-40313.1	8785.7
56.	679.6	-3719.2	360.8	-4615.4	73520.0	-49204.6
	-764.7	-3679.7	234.2	-9327.9	-44704.0	-49453.5
75.	679.6	-4866.5	360.8	-4615.4	66754.8	-129695.8
	-764.7	-4827.0	234.2	-9327.9	-49094.9	-129203.8
94.	679.6	-6013.8	360.8	-4615.4	59989.6	-231698.1
	-764.7	-5974.2	234.2	-9327.9	-53485.8	-230465.1
113.	679.6	-7161.0	360.8	-4615.4	53224.4	-355211.5
	-764.7	-7121.5	234.2	-9327.9	-57876.8	-353237.6
131.	679.6	-8308.3	360.8	-4615.4	46459.2	-500236.0

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150.	-764.7 679.6 -764.7	-8268.8 -9455.5 -9416.0	234.2 360.8 234.2	-9327.9 -4615.4 -9327.9	-62267.7 39694.0 -66658.6	-497521.2 -666771.6 -663315.9
Asta PROGR.	180 NORM	nod TYY	78 TZZ	79 TORS	MY	MZZ
0.	-454.4 944.5	4501.5 3934.1	-83.6 -93.8	9239.7 7331.2	-15314.3 -69392.7	-276207.5 -179974.0
44.	-454.4 944.5	3422.6 2855.2	-83.6 -93.8	9239.7 7331.2	-11677.6 -65313.3	-103857.3 -32306.5
87.	-454.4 944.5	2343.8 1776.3	-83.6 -93.8	9239.7 7331.2	-8040.9 -61233.8	21561.6 68429.7
131.	-454.4 944.5	1264.9 697.5	-83.6 -93.8	9239.7 7331.2	-4404.1 -57154.3	100049.2 122234.5
174.	-454.4 944.5	186.0 -381.4	-83.6 -93.8	9239.7 7331.2	-767.4 -53074.9	131605.5 129108.1
218.	-454.4 944.5	-892.9 -1460.3	-83.6 -93.8	9239.7 7331.2	2869.3 -48995.4	116230.5 89050.4
261.	-454.4 944.5	-1971.8 -2539.2	-83.6 -93.8	9239.7 7331.2	6506.0 -44915.9	53924.2 2061.3
305.	-454.4 944.5	-3050.6 -3618.1	-83.6 -93.8	9239.7 7331.2	10142.8 -40836.4	-55313.4 -131859.0
348.	-454.4 944.5	-4129.5 -4696.9	-83.6 -93.8	9239.7 7331.2	13779.5 -36757.0	-211482.3 -312710.6
Asta PROGR.	181 NORM	nod TYY	88 TZZ	78 TORS	MY	MZZ
0.	94.3 1592.8	5422.5 4868.4	119.9 138.3	-317.6 -1368.5	15283.1 -26374.6	-435930.5 -330398.6
45.	94.3 1592.8	4309.5 3755.4	119.9 138.3	-317.6 -1368.5	9902.8 -32582.9	-217568.1 -136900.4
90.	94.3 1592.8	3196.5 2642.5	119.9 138.3	-317.6 -1368.5	4522.5 -38791.2	-49150.9 6652.7
135.	94.3 1592.8	2083.6 1529.5	119.9 138.3	-317.6 -1368.5	-857.8 -44999.5	69321.2 100260.6
180.	94.3 1592.8	970.6 416.5	119.9 138.3	-317.6 -1368.5	-6238.1 -51207.7	137848.2 143923.4
224.	94.3 1592.8	-142.4 -696.5	119.9 138.3	-317.6 -1368.5	-11618.3 -57416.0	156430.1 137641.2
269.	94.3 1592.8	-1255.4 -1809.5	119.9 138.3	-317.6 -1368.5	-16998.6 -63624.3	125066.8 81413.8
314.	94.3 1592.8	-2368.4 -2922.5	119.9 138.3	-317.6 -1368.5	-22378.9 -69832.5	43758.5 -24758.7
359.	94.3 1592.8	-3481.4 -4035.4	119.9 138.3	-317.6 -1368.5	-27759.2 -76040.8	-87495.0 -180876.3
Asta PROGR.	182 NORM	nod TYY	107 TZZ	88 TORS	MY	MZZ
0.	-785.5 819.2	-1186.5 -1349.1	594.8 602.1	-86985.5 -83477.3	89724.8 45824.5	51536.6 51624.5
19.	-785.5 819.2	-1651.5 -1814.1	594.8 602.1	-86985.5 -83477.3	78573.1 34534.8	24930.6 21969.3
38.	-785.5 819.2	-2116.5 -2279.2	594.8 602.1	-86985.5 -83477.3	67421.3 23245.0	-10394.8 -16405.4
56.	-785.5 819.2	-2581.6 -2744.2	594.8 602.1	-86985.5 -83477.3	56269.5 11955.3	-54439.6 -63499.5
75.	-785.5 819.2	-3046.6 -3209.2	594.8 602.1	-86985.5 -83477.3	45117.7 665.5	-107203.8 -119312.9
94.	-785.5 819.2	-3511.6 -3674.3	594.8 602.1	-86985.5 -83477.3	33966.0 -10624.3	-168687.3 -183845.8
113.	-785.5 819.2	-3976.7 -4139.3	594.8 602.1	-86985.5 -83477.3	22814.2 -21914.0	-238890.3 -257098.0
131.	-785.5 819.2	-4441.7 -4604.3	594.8 602.1	-86985.5 -83477.3	11662.4 -33203.8	-317812.7 -339069.7
150.	-785.5 819.2	-4906.7 -5069.4	594.8 602.1	-86985.5 -83477.3	510.6 -44493.5	-405454.5 -429760.7
Asta PROGR.	183 NORM	nod TYY	91 TZZ	109 TORS	MY	MZZ
0.	-2738.7 -2993.6	5497.2 5069.0	-249.6 -526.7	-18987.1 -12862.3	1253.3 33315.7	-363601.8 -276401.3
56.	-2738.7 -2993.6	4114.5 3686.3	-249.6 -526.7	-18987.1 -12862.3	15168.4 62678.5	-95674.7 -32349.4
112.	-2738.7 -2993.6	2731.8 2303.6	-249.6 -526.7	-18987.1 -12862.3	29083.5 92041.3	95166.7 134616.7
167.	-2738.7 -2993.6	1349.1 920.9	-249.6 -526.7	-18987.1 -12862.3	42998.5 121404.2	208922.4 224497.2
223.	-2738.7 -2993.6	-33.6 -461.8	-249.6 -526.7	-18987.1 -12862.3	56913.6 150767.0	245592.4 237291.9
279.	-2738.7 -2993.6	-1416.3 -1844.6	-249.6 -526.7	-18987.1 -12862.3	70828.7 180129.8	205176.8 173001.0
335.	-2738.7 -2993.6	-2799.0 -3227.3	-249.6 -526.7	-18987.1 -12862.3	84743.8 209492.7	87675.4 31624.3
390.	-2738.7 -2993.6	-4181.7 -4610.0	-249.6 -526.7	-18987.1 -12862.3	98658.8 238855.5	-106911.7 -186838.0
446.	-2738.7 -2993.6	-5564.4 -5992.7	-249.6 -526.7	-18987.1 -12862.3	112573.9 268218.3	-378584.5 -482386.0
Asta PROGR.	185 NORM	nod TYY	80 TZZ	91 TORS	MY	MZZ
0.	-2927.5 -2587.8	6036.3 5633.7	-250.2 -510.5	-21154.9 -18505.1	-90421.5 -174791.6	-512905.7 -421324.0
55.	-2927.5 -2587.8	4672.2 4269.6	-250.2 -510.5	-21154.9 -18505.1	-76660.1 -146713.9	-218421.8 -148983.1

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110.	-2927.5	3308.1	-250.2	-21154.9	-62898.6	1036.5
	-2587.8	2905.5	-510.5	-18505.1	-118636.1	48332.2
165.	-2927.5	1944.0	-250.2	-21154.9	-49137.2	145469.3
	-2587.8	1541.4	-510.5	-18505.1	-90558.4	170622.0
220.	-2927.5	579.9	-250.2	-21154.9	-35375.8	214876.4
	-2587.8	177.3	-510.5	-18505.1	-62480.7	217886.1
275.	-2927.5	-784.2	-250.2	-21154.9	-21614.3	209257.9
	-2587.8	-1186.8	-510.5	-18505.1	-34403.0	190124.7
330.	-2927.5	-2148.3	-250.2	-21154.9	-7852.9	128613.9
	-2587.8	-2550.9	-510.5	-18505.1	-6325.2	87337.6
385.	-2927.5	-3512.4	-250.2	-21154.9	5908.6	-27055.8
	-2587.8	-3915.0	-510.5	-18505.1	21752.5	-90475.0
440.	-2927.5	-4876.5	-250.2	-21154.9	19670.0	-257751.0
	-2587.8	-5279.1	-510.5	-18505.1	49830.2	-343313.2
Asta	186	nodì	113	97		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	11.0	0.0	0.0	0.0	0.0	0.0
	-11.0	0.0	0.0	0.0	0.0	0.0
19.	11.0	-74.6	0.0	0.0	0.0	-699.8
	-11.0	-74.6	0.0	0.0	0.0	-699.8
38.	11.0	-149.3	0.0	0.0	0.0	-2799.3
	-11.0	-149.3	0.0	0.0	0.0	-2799.3
56.	11.0	-223.9	0.0	0.0	0.0	-6298.5
	-11.0	-223.9	0.0	0.0	0.0	-6298.5
75.	11.0	-298.6	0.0	0.0	0.0	-11197.3
	-11.0	-298.6	0.0	0.0	0.0	-11197.3
94.	11.0	-373.2	0.0	0.0	0.0	-17495.7
	-11.0	-373.2	0.0	0.0	0.0	-17495.7
113.	11.0	-447.9	0.0	0.0	0.0	-25193.8
	-11.0	-447.9	0.0	0.0	0.0	-25193.8
131.	11.0	-522.5	0.0	0.0	0.0	-34291.6
	-11.0	-522.5	0.0	0.0	0.0	-34291.6
150.	11.0	-597.2	0.0	0.0	0.0	-44789.1
	-11.0	-597.2	0.0	0.0	0.0	-44789.1
Asta	187	nodì	97	98		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1009.2	1908.2	-2.2	-1227.1	-627.4	-239861.8
	-1118.9	1801.1	13.6	-2152.6	-6115.8	-218270.1
45.	-1009.2	1729.5	-2.2	-1227.1	-529.0	-158240.6
	-1118.9	1622.5	13.6	-2152.6	-6727.3	-141453.4
90.	-1009.2	1550.9	-2.2	-1227.1	-430.6	-84636.7
	-1118.9	1443.8	13.6	-2152.6	-7338.9	-72654.0
135.	-1009.2	1372.2	-2.2	-1227.1	-332.2	-19050.2
	-1118.9	1265.1	13.6	-2152.6	-7950.4	-11871.9
180.	-1009.2	1193.6	-2.2	-1227.1	-233.7	38519.1
	-1118.9	1086.5	13.6	-2152.6	-8562.0	40892.9
224.	-1009.2	1014.9	-2.2	-1227.1	-135.3	88071.1
	-1118.9	907.8	13.6	-2152.6	-9173.5	85640.4
269.	-1009.2	836.2	-2.2	-1227.1	-36.9	129605.8
	-1118.9	729.2	13.6	-2152.6	-9785.1	122370.6
314.	-1009.2	657.6	-2.2	-1227.1	61.6	163123.1
	-1118.9	550.5	13.6	-2152.6	-10396.6	151083.5
359.	-1009.2	478.9	-2.2	-1227.1	160.0	188623.2
	-1118.9	371.9	13.6	-2152.6	-11008.2	171779.1
Asta	188	nodì	98	99		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1066.7	-137.3	5.0	-60.3	-1304.8	129300.6
	-1130.7	-325.5	-17.5	2020.6	-11108.9	156826.8
41.	-1066.7	-301.0	5.0	-60.3	-1511.7	120288.2
	-1130.7	-489.3	-17.5	2020.6	-10388.1	140072.8
82.	-1066.7	-464.7	5.0	-60.3	-1718.7	104542.4
	-1130.7	-653.0	-17.5	2020.6	-9667.4	116585.4
123.	-1066.7	-628.5	5.0	-60.3	-1925.6	82063.3
	-1130.7	-816.7	-17.5	2020.6	-8946.7	86364.6
165.	-1066.7	-792.2	5.0	-60.3	-2132.5	52850.9
	-1130.7	-980.4	-17.5	2020.6	-8226.0	49410.5
206.	-1066.7	-955.9	5.0	-60.3	-2339.5	16905.0
	-1130.7	-1144.2	-17.5	2020.6	-7505.3	5723.0
247.	-1066.7	-1119.7	5.0	-60.3	-2546.4	-25774.1
	-1130.7	-1307.9	-17.5	2020.6	-6784.6	-44697.8
288.	-1066.7	-1283.4	5.0	-60.3	-2753.3	-75186.7
	-1130.7	-1471.6	-17.5	2020.6	-6063.9	-101851.9
329.	-1066.7	-1447.1	5.0	-60.3	-2960.2	-131332.6
	-1130.7	-1635.4	-17.5	2020.6	-5343.2	-165739.5
Asta	189	nodì	103	102		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1444.1	1649.5	-12.6	-2398.3	-1668.5	-202466.9
	-1423.5	1530.5	-31.0	630.3	1887.0	-180767.7
41.	-1444.1	1486.5	-12.6	-2398.3	-1152.5	-138278.3
	-1423.5	1367.5	-31.0	630.3	3156.9	-121447.6
82.	-1444.1	1323.5	-12.6	-2398.3	-636.5	-80761.8
	-1423.5	1204.6	-31.0	630.3	4426.7	-68799.6
123.	-1444.1	1160.5	-12.6	-2398.3	-120.5	-29917.5
	-1423.5	1041.6	-31.0	630.3	5696.6	-22823.7
164.	-1444.1	997.5	-12.6	-2398.3	395.5	14254.8
	-1423.5	878.6	-31.0	630.3	6966.5	16480.1
205.	-1444.1	834.5	-12.6	-2398.3	911.5	51755.0
	-1423.5	715.6	-31.0	630.3	8236.4	49111.8
246.	-1444.1	671.6	-12.6	-2398.3	1427.5	82583.1
	-1423.5	552.6	-31.0	630.3	9506.3	75071.5

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287.	-1444.1	508.6	-12.6	-2398.3	1943.5	106739.2
	-1423.5	389.7	-31.0	630.3	10776.2	94359.0
328.	-1444.1	345.6	-12.6	-2398.3	2459.5	124223.1
	-1423.5	226.7	-31.0	630.3	12046.1	106974.4
Asta	190	nodì	102	101		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1845.3	675.2	-17.1	-3811.8	-1436.0	22177.6
	-1784.2	562.1	-16.0	-1719.5	10815.5	35353.6
34.	-1845.3	541.3	-17.1	-3811.8	-862.2	42630.8
	-1784.2	428.3	-16.0	-1719.5	11353.7	52004.5
67.	-1845.3	407.5	-17.1	-3811.8	-288.5	58582.6
	-1784.2	294.4	-16.0	-1719.5	11891.8	64154.1
101.	-1845.3	273.6	-17.1	-3811.8	285.2	70033.0
	-1784.2	160.5	-16.0	-1719.5	12429.9	71802.3
135.	-1845.3	139.7	-17.1	-3811.8	858.9	76982.1
	-1784.2	26.7	-16.0	-1719.5	12968.0	74949.1
168.	-1845.3	5.9	-17.1	-3811.8	1432.6	79429.8
	-1784.2	-107.2	-16.0	-1719.5	13506.2	73594.6
202.	-1845.3	-128.0	-17.1	-3811.8	2006.4	77376.2
	-1784.2	-241.1	-16.0	-1719.5	14044.3	67738.7
235.	-1845.3	-261.9	-17.1	-3811.8	2580.1	70821.2
	-1784.2	-375.0	-16.0	-1719.5	14582.4	57381.5
269.	-1845.3	-395.7	-17.1	-3811.8	3153.8	59764.8
	-1784.2	-508.8	-16.0	-1719.5	15120.5	42522.9
Asta	191	nodì	101	100		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1341.5	-769.2	-23.1	-2955.2	-1705.5	160987.5
	-1254.7	-831.4	6.6	-4344.0	12342.4	168672.3
34.	-1341.5	-905.5	-23.1	-2955.2	-912.9	132308.8
	-1254.7	-967.7	6.6	-4344.0	12117.1	137862.9
69.	-1341.5	-1041.9	-23.1	-2955.2	-120.2	98959.8
	-1254.7	-1104.1	6.6	-4344.0	11891.8	102383.3
103.	-1341.5	-1178.2	-23.1	-2955.2	672.5	60940.6
	-1254.7	-1240.4	6.6	-4344.0	11666.5	62233.4
137.	-1341.5	-1314.6	-23.1	-2955.2	1465.1	18251.1
	-1254.7	-1376.8	6.6	-4344.0	11441.2	17413.3
171.	-1341.5	-1450.9	-23.1	-2955.2	2257.8	-29108.6
	-1254.7	-1513.2	6.6	-4344.0	11215.9	-32077.0
206.	-1341.5	-1587.3	-23.1	-2955.2	3050.5	-81138.6
	-1254.7	-1649.5	6.6	-4344.0	10990.6	-86237.7
240.	-1341.5	-1723.7	-23.1	-2955.2	3843.2	-137838.9
	-1254.7	-1785.9	6.6	-4344.0	10765.3	-145068.6
274.	-1341.5	-1860.0	-23.1	-2955.2	4635.8	-199209.4
	-1254.7	-1922.2	6.6	-4344.0	10539.9	-208569.7
Asta	192	nodì	114	1		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-44413.1	-5828.8	-4649.2	-27615.6	-572393.4	109239.4
	-44405.5	-5621.0	-4547.7	-27553.0	-572490.5	98997.8
10.	-44373.2	-5828.8	-4649.2	-27615.6	-525901.5	50951.9
	-44365.7	-5621.0	-4547.7	-27553.0	-527013.8	42787.7
20.	-44333.4	-5828.8	-4649.2	-27615.6	-479409.7	-7335.7
	-44325.9	-5621.0	-4547.7	-27553.0	-481537.0	-13422.5
30.	-44293.6	-5828.8	-4649.2	-27615.6	-432917.9	-65623.3
	-44286.1	-5621.0	-4547.7	-27553.0	-436060.3	-69632.6
40.	-44253.8	-5828.8	-4649.2	-27615.6	-386426.1	-123910.9
	-44246.3	-5621.0	-4547.7	-27553.0	-390583.5	-125842.7
50.	-44214.0	-5828.8	-4649.2	-27615.6	-339934.3	-182198.5
	-44206.5	-5621.0	-4547.7	-27553.0	-345106.8	-182052.9
60.	-44174.2	-5828.8	-4649.2	-27615.6	-293442.4	-240486.1
	-44166.7	-5621.0	-4547.7	-27553.0	-299630.0	-238263.0
70.	-44134.4	-5828.8	-4649.2	-27615.6	-246950.6	-298773.7
	-44126.8	-5621.0	-4547.7	-27553.0	-254153.3	-294473.2
80.	-44094.6	-5828.8	-4649.2	-27615.6	-200458.8	-357061.3
	-44087.0	-5621.0	-4547.7	-27553.0	-208676.5	-350683.3
Asta	193	nodì	115	3		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-58396.4	-1189.9	-54.7	-142.6	-49040.3	151162.4
	-58399.8	-1042.5	-76.2	49.2	-55597.3	144277.2
10.	-58356.6	-1189.9	-54.7	-142.6	-48493.7	139263.9
	-58360.0	-1042.5	-76.2	49.2	-54835.0	133851.7
20.	-58316.8	-1189.9	-54.7	-142.6	-47947.1	127365.3
	-58320.1	-1042.5	-76.2	49.2	-54072.6	123426.3
30.	-58277.0	-1189.9	-54.7	-142.6	-47400.5	115466.8
	-58280.3	-1042.5	-76.2	49.2	-53310.3	113000.8
40.	-58237.2	-1189.9	-54.7	-142.6	-46854.0	103568.2
	-58240.5	-1042.5	-76.2	49.2	-52548.0	102575.3
50.	-58197.4	-1189.9	-54.7	-142.6	-46307.4	91669.7
	-58200.7	-1042.5	-76.2	49.2	-51785.7	92149.9
60.	-58157.6	-1189.9	-54.7	-142.6	-45760.8	79771.2
	-58160.9	-1042.5	-76.2	49.2	-51023.4	81724.4
70.	-58117.7	-1189.9	-54.7	-142.6	-45214.2	67872.6
	-58121.1	-1042.5	-76.2	49.2	-50261.1	71298.9
80.	-58077.9	-1189.9	-54.7	-142.6	-44667.7	55974.1
	-58081.3	-1042.5	-76.2	49.2	-49498.8	60873.5
Asta	194	nodì	116	5		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-60353.4	-634.9	11.9	5832.4	-11779.7	66821.4
	-60352.1	-503.0	-4.4	4926.9	-15390.4	60741.3
10.	-60313.6	-634.9	11.9	5832.4	-11898.7	60472.5

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20.	-60312.2	-503.0	-4.4	4926.9	-15346.3	55711.4
	-60273.7	-634.9	11.9	5832.4	-12017.8	54123.6
	-60272.4	-503.0	-4.4	4926.9	-15302.2	50681.4
30.	-60233.9	-634.9	11.9	5832.4	-12136.9	47774.8
	-60232.6	-503.0	-4.4	4926.9	-15258.1	45651.5
40.	-60194.1	-634.9	11.9	5832.4	-12256.0	41425.9
	-60192.8	-503.0	-4.4	4926.9	-15214.0	40621.6
50.	-60154.3	-634.9	11.9	5832.4	-12375.0	35077.0
	-60153.0	-503.0	-4.4	4926.9	-15169.9	35591.6
60.	-60114.5	-634.9	11.9	5832.4	-12494.1	28728.1
	-60113.2	-503.0	-4.4	4926.9	-15125.8	30561.7
70.	-60074.7	-634.9	11.9	5832.4	-12613.2	22379.3
	-60073.4	-503.0	-4.4	4926.9	-15081.7	25531.8
80.	-60034.9	-634.9	11.9	5832.4	-12732.3	16030.4
	-60033.6	-503.0	-4.4	4926.9	-15037.6	20501.8
Asta	195	nodì	117	7		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-54258.9	1315.7	-1.7	3754.5	-4244.3	71805.6
	-54281.3	1443.0	-4.3	2815.1	-4894.6	66030.9
10.	-54219.1	1315.7	-1.7	3754.5	-4227.0	84962.2
	-54241.5	1443.0	-4.3	2815.1	-4851.4	80461.2
20.	-54179.3	1315.7	-1.7	3754.5	-4209.8	98118.8
	-54201.7	1443.0	-4.3	2815.1	-4808.2	94891.5
30.	-54139.5	1315.7	-1.7	3754.5	-4192.6	111275.3
	-54161.9	1443.0	-4.3	2815.1	-4765.0	109321.8
40.	-54099.7	1315.7	-1.7	3754.5	-4175.3	124431.9
	-54122.0	1443.0	-4.3	2815.1	-4721.9	123752.2
50.	-54059.9	1315.7	-1.7	3754.5	-4158.1	137588.5
	-54082.2	1443.0	-4.3	2815.1	-4678.7	138182.5
60.	-54020.1	1315.7	-1.7	3754.5	-4140.9	150745.1
	-54042.4	1443.0	-4.3	2815.1	-4635.5	152612.8
70.	-53980.2	1315.7	-1.7	3754.5	-4123.6	163901.7
	-54002.6	1443.0	-4.3	2815.1	-4592.3	167043.1
80.	-53940.4	1315.7	-1.7	3754.5	-4106.4	177058.2
	-53962.8	1443.0	-4.3	2815.1	-4549.1	181473.4
Asta	196	nodì	118	9		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-35301.5	3937.0	-91.4	9428.6	-291471.5	-172405.9
	-35320.4	4076.0	-94.8	9045.1	-278083.4	-178148.3
10.	-35261.7	3937.0	-91.4	9428.6	-290557.4	-133036.3
	-35280.6	4076.0	-94.8	9045.1	-277135.8	-137388.6
20.	-35221.8	3937.0	-91.4	9428.6	-289643.2	-93666.6
	-35240.8	4076.0	-94.8	9045.1	-276188.2	-96628.9
30.	-35182.0	3937.0	-91.4	9428.6	-288729.1	-54297.0
	-35201.0	4076.0	-94.8	9045.1	-275240.7	-55869.2
40.	-35142.2	3937.0	-91.4	9428.6	-287814.9	-14927.3
	-35161.2	4076.0	-94.8	9045.1	-274293.1	-15109.5
50.	-35102.4	3937.0	-91.4	9428.6	-286900.8	24442.3
	-35121.4	4076.0	-94.8	9045.1	-273345.5	25650.2
60.	-35062.6	3937.0	-91.4	9428.6	-285986.7	63812.0
	-35081.5	4076.0	-94.8	9045.1	-272397.9	66410.0
70.	-35022.8	3937.0	-91.4	9428.6	-285072.5	103181.7
	-35041.7	4076.0	-94.8	9045.1	-271450.3	107169.7
80.	-34983.0	3937.0	-91.4	9428.6	-284158.4	142551.3
	-35001.9	4076.0	-94.8	9045.1	-270502.8	147929.4
Asta	197	nodì	119	11		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-54533.7	2366.9	2402.3	8023.6	366474.5	66024.0
	-55069.2	2066.5	2622.1	7842.4	389056.5	94950.7
10.	-54493.9	2366.9	2402.3	8023.6	342451.7	89692.5
	-55029.4	2066.5	2622.1	7842.4	362835.2	115615.7
20.	-54454.1	2366.9	2402.3	8023.6	318429.0	113361.1
	-54989.6	2066.5	2622.1	7842.4	336613.8	136280.8
30.	-54414.3	2366.9	2402.3	8023.6	294406.2	137029.6
	-54949.7	2066.5	2622.1	7842.4	310392.4	156945.9
40.	-54374.5	2366.9	2402.3	8023.6	270383.4	160698.1
	-54909.9	2066.5	2622.1	7842.4	284171.0	177610.9
50.	-54334.6	2366.9	2402.3	8023.6	246360.6	184366.6
	-54870.1	2066.5	2622.1	7842.4	257949.7	198276.0
60.	-54294.8	2366.9	2402.3	8023.6	222337.8	208035.1
	-54830.3	2066.5	2622.1	7842.4	231728.3	218941.1
70.	-54255.0	2366.9	2402.3	8023.6	198315.1	231703.6
	-54790.5	2066.5	2622.1	7842.4	205506.9	239606.2
80.	-54215.2	2366.9	2402.3	8023.6	174292.3	255372.1
	-54750.7	2066.5	2622.1	7842.4	179285.5	260271.2
Asta	198	nodì	120	13		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-48950.1	4499.3	-44.1	-3486.9	12122.8	-14793.6
	-49002.4	3725.9	-317.8	6722.4	6352.4	-4513.8
10.	-48910.2	4499.3	-44.1	-3486.9	12563.4	30199.9
	-48962.6	3725.9	-317.8	6722.4	9530.2	32745.3
20.	-48870.4	4499.3	-44.1	-3486.9	13003.9	75193.3
	-48922.8	3725.9	-317.8	6722.4	12708.0	70004.3
30.	-48830.6	4499.3	-44.1	-3486.9	13444.5	120186.8
	-48883.0	3725.9	-317.8	6722.4	15885.9	107263.4
40.	-48790.8	4499.3	-44.1	-3486.9	13885.1	165180.3
	-48843.2	3725.9	-317.8	6722.4	19063.7	144522.5
50.	-48751.0	4499.3	-44.1	-3486.9	14325.7	210173.7
	-48803.4	3725.9	-317.8	6722.4	22241.5	181781.6
60.	-48711.2	4499.3	-44.1	-3486.9	14766.2	255167.2

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	-48763.6	3725.9	-317.8	6722.4	25419.3	219040.7
70.	-48671.4	4499.3	-44.1	-3486.9	15206.8	300160.7
	-48723.7	3725.9	-317.8	6722.4	28597.2	256299.8
80.	-48631.6	4499.3	-44.1	-3486.9	15647.4	345154.1
	-48683.9	3725.9	-317.8	6722.4	31775.0	293558.9
Asta	199	nodì	121	15		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-55554.0	3824.7	-26.4	2370.8	12399.9	-15471.4
	-55503.2	3131.3	29.4	2721.4	9825.8	-5414.9
10.	-55514.2	3824.7	-26.4	2370.8	12664.1	22775.5
	-55463.4	3131.3	29.4	2721.4	9531.7	25897.8
20.	-55474.3	3824.7	-26.4	2370.8	12928.3	61022.5
	-55423.5	3131.3	29.4	2721.4	9237.6	57210.5
30.	-55434.5	3824.7	-26.4	2370.8	13192.4	99269.4
	-55383.7	3131.3	29.4	2721.4	8943.4	88523.2
40.	-55394.7	3824.7	-26.4	2370.8	13456.6	137516.3
	-55343.9	3131.3	29.4	2721.4	8649.3	119835.9
50.	-55354.9	3824.7	-26.4	2370.8	13720.8	175763.3
	-55304.1	3131.3	29.4	2721.4	8355.2	151148.6
60.	-55315.1	3824.7	-26.4	2370.8	13985.0	214010.2
	-55264.3	3131.3	29.4	2721.4	8061.0	182461.2
70.	-55275.3	3824.7	-26.4	2370.8	14249.1	252257.1
	-55224.5	3131.3	29.4	2721.4	7766.9	213773.9
80.	-55235.5	3824.7	-26.4	2370.8	14513.3	290504.1
	-55184.7	3131.3	29.4	2721.4	7472.8	245086.6
Asta	200	nodì	122	17		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-57648.2	1010.5	17.0	3766.6	15295.0	-15170.5
	-57567.0	405.0	17.2	5090.1	13181.9	-5248.8
10.	-57608.4	1010.5	17.0	3766.6	15125.3	-5065.2
	-57527.2	405.0	17.2	5090.1	13010.2	-1199.0
20.	-57568.6	1010.5	17.0	3766.6	14955.7	5040.0
	-57487.3	405.0	17.2	5090.1	12838.5	2850.8
30.	-57528.8	1010.5	17.0	3766.6	14786.0	15145.3
	-57447.5	405.0	17.2	5090.1	12666.8	6900.6
40.	-57489.0	1010.5	17.0	3766.6	14616.4	25250.5
	-57407.7	405.0	17.2	5090.1	12495.1	10950.4
50.	-57449.2	1010.5	17.0	3766.6	14446.7	35355.8
	-57367.9	405.0	17.2	5090.1	12323.4	15000.2
60.	-57409.3	1010.5	17.0	3766.6	14277.1	45461.0
	-57328.1	405.0	17.2	5090.1	12151.7	19050.0
70.	-57369.5	1010.5	17.0	3766.6	14107.5	55566.2
	-57288.3	405.0	17.2	5090.1	11980.1	23099.8
80.	-57329.7	1010.5	17.0	3766.6	13937.8	65671.5
	-57248.5	405.0	17.2	5090.1	11808.4	27149.6
Asta	201	nodì	123	19		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-53542.9	1411.2	38.7	5598.9	19523.7	-20780.5
	-53528.6	810.6	37.9	7897.4	19175.4	-10804.6
10.	-53503.1	1411.2	38.7	5598.9	19136.9	-6668.5
	-53488.8	810.6	37.9	7897.4	18796.2	-2698.4
20.	-53463.3	1411.2	38.7	5598.9	18750.1	7443.5
	-53448.9	810.6	37.9	7897.4	18416.9	5407.8
30.	-53423.5	1411.2	38.7	5598.9	18363.4	21555.5
	-53409.1	810.6	37.9	7897.4	18037.6	13514.0
40.	-53383.7	1411.2	38.7	5598.9	17976.6	35667.5
	-53369.3	810.6	37.9	7897.4	17658.3	21620.2
50.	-53343.9	1411.2	38.7	5598.9	17589.8	49779.4
	-53329.5	810.6	37.9	7897.4	17279.0	29726.3
60.	-53304.1	1411.2	38.7	5598.9	17203.0	63891.4
	-53289.7	810.6	37.9	7897.4	16899.7	37832.5
70.	-53264.2	1411.2	38.7	5598.9	16816.3	78003.4
	-53249.9	810.6	37.9	7897.4	16520.4	45938.7
80.	-53224.4	1411.2	38.7	5598.9	16429.5	92115.4
	-53210.1	810.6	37.9	7897.4	16141.2	54044.9
Asta	202	nodì	124	21		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-53647.6	3665.0	92.0	8240.9	25966.4	-30525.2
	-53688.2	3054.7	100.1	9807.6	27514.1	-20412.4
10.	-53607.8	3665.0	92.0	8240.9	25045.9	6124.5
	-53648.4	3054.7	100.1	9807.6	26513.0	10135.0
20.	-53567.9	3665.0	92.0	8240.9	24125.5	42774.3
	-53608.6	3054.7	100.1	9807.6	25511.9	40682.4
30.	-53528.1	3665.0	92.0	8240.9	23205.0	79424.0
	-53568.8	3054.7	100.1	9807.6	24510.7	71229.8
40.	-53488.3	3665.0	92.0	8240.9	22284.5	116073.7
	-53529.0	3054.7	100.1	9807.6	23509.6	101777.2
50.	-53448.5	3665.0	92.0	8240.9	21364.0	152723.4
	-53489.1	3054.7	100.1	9807.6	22508.4	132324.6
60.	-53408.7	3665.0	92.0	8240.9	20443.6	189373.1
	-53449.3	3054.7	100.1	9807.6	21507.3	162872.0
70.	-53368.9	3665.0	92.0	8240.9	19523.1	226022.8
	-53409.5	3054.7	100.1	9807.6	20506.2	193419.4
80.	-53329.1	3665.0	92.0	8240.9	18602.6	262672.5
	-53369.7	3054.7	100.1	9807.6	19505.0	223966.8
Asta	203	nodì	125	23		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-59030.1	5404.9	178.7	8835.3	34481.0	-41942.7
	-59138.3	4725.2	131.1	7534.9	36174.6	-31532.2

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10.	-58990.3	5404.9	178.7	8835.3	32694.3	12105.8
	-59098.5	4725.2	131.1	7534.9	34863.2	15719.5
20.	-58950.5	5404.9	178.7	8835.3	30907.6	66154.4
	-59058.7	4725.2	131.1	7534.9	33551.8	62971.2
30.	-58910.7	5404.9	178.7	8835.3	29120.9	120202.9
	-59018.9	4725.2	131.1	7534.9	32240.4	110222.8
40.	-58870.8	5404.9	178.7	8835.3	27334.2	174251.4
	-58979.1	4725.2	131.1	7534.9	30928.9	157474.5
50.	-58831.0	5404.9	178.7	8835.3	25547.5	228300.0
	-58939.2	4725.2	131.1	7534.9	29617.5	204726.1
60.	-58791.2	5404.9	178.7	8835.3	23760.8	282348.5
	-58899.4	4725.2	131.1	7534.9	28306.1	251977.8
70.	-58751.4	5404.9	178.7	8835.3	21974.1	336397.0
	-58859.6	4725.2	131.1	7534.9	26994.7	299229.4
80.	-58711.6	5404.9	178.7	8835.3	20187.4	390445.6
	-58819.8	4725.2	131.1	7534.9	25683.3	346481.1
Asta	204	nodì	126	25		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-63254.7	6826.7	-754.3	-1823.9	37838.1	-56703.0
	-63158.0	6093.9	-781.5	602.9	38548.7	-45912.4
10.	-63214.9	6826.7	-754.3	-1823.9	45380.9	11563.8
	-63118.1	6093.9	-781.5	602.9	46364.2	15026.7
20.	-63175.1	6826.7	-754.3	-1823.9	52923.6	79830.5
	-63078.3	6093.9	-781.5	602.9	54179.7	75965.9
30.	-63135.3	6826.7	-754.3	-1823.9	60466.4	148097.3
	-63038.5	6093.9	-781.5	602.9	61995.2	136905.1
40.	-63095.5	6826.7	-754.3	-1823.9	68009.2	216364.1
	-62998.7	6093.9	-781.5	602.9	69810.7	197844.2
50.	-63055.7	6826.7	-754.3	-1823.9	75551.9	284630.9
	-62958.9	6093.9	-781.5	602.9	77626.2	258783.4
60.	-63015.9	6826.7	-754.3	-1823.9	83094.7	352897.7
	-62919.1	6093.9	-781.5	602.9	85441.7	319722.5
70.	-62976.0	6826.7	-754.3	-1823.9	90637.5	421164.5
	-62879.3	6093.9	-781.5	602.9	93257.2	380661.7
80.	-62936.2	6826.7	-754.3	-1823.9	98180.3	489431.3
	-62839.5	6093.9	-781.5	602.9	101072.7	441600.8
Asta	205	nodì	127	27		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-47082.7	5683.9	-376.5	-21826.4	37831.8	-52320.4
	-46758.2	2412.3	-475.2	-15982.4	38465.3	-19281.1
10.	-47042.9	5683.9	-376.5	-21826.4	41596.4	4518.6
	-46718.4	2412.3	-475.2	-15982.4	43217.0	4841.7
20.	-47003.1	5683.9	-376.5	-21826.4	45361.1	61357.7
	-46678.6	2412.3	-475.2	-15982.4	47968.7	28964.5
30.	-46963.3	5683.9	-376.5	-21826.4	49125.8	118196.7
	-46638.7	2412.3	-475.2	-15982.4	52720.4	53087.4
40.	-46923.5	5683.9	-376.5	-21826.4	52890.4	175035.7
	-46598.9	2412.3	-475.2	-15982.4	57472.1	77210.2
50.	-46883.6	5683.9	-376.5	-21826.4	56655.1	231874.7
	-46559.1	2412.3	-475.2	-15982.4	62223.8	101333.0
60.	-46843.8	5683.9	-376.5	-21826.4	60419.7	288713.7
	-46519.3	2412.3	-475.2	-15982.4	66975.5	125455.8
70.	-46804.0	5683.9	-376.5	-21826.4	64184.4	345552.8
	-46479.5	2412.3	-475.2	-15982.4	71727.2	149578.6
80.	-46764.2	5683.9	-376.5	-21826.4	67949.0	402391.8
	-46439.7	2412.3	-475.2	-15982.4	76478.9	173701.5
Asta	206	nodì	128	29		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-46465.2	8621.5	-1092.0	-21441.0	-200308.6	-434205.9
	-46361.8	9881.2	-1045.2	-12976.4	-193355.9	-521304.7
10.	-46425.3	8621.5	-1092.0	-21441.0	-189388.3	-347990.4
	-46322.0	9881.2	-1045.2	-12976.4	-182904.0	-422492.6
20.	-46385.5	8621.5	-1092.0	-21441.0	-178468.1	-261775.0
	-46282.1	9881.2	-1045.2	-12976.4	-172452.1	-323680.5
30.	-46345.7	8621.5	-1092.0	-21441.0	-167547.8	-175559.5
	-46242.3	9881.2	-1045.2	-12976.4	-162000.2	-224868.4
40.	-46305.9	8621.5	-1092.0	-21441.0	-156627.6	-89344.0
	-46202.5	9881.2	-1045.2	-12976.4	-151548.3	-126056.3
50.	-46266.1	8621.5	-1092.0	-21441.0	-145707.3	-3128.5
	-46162.7	9881.2	-1045.2	-12976.4	-141096.4	-27244.2
60.	-46226.3	8621.5	-1092.0	-21441.0	-134787.1	83087.0
	-46122.9	9881.2	-1045.2	-12976.4	-130644.5	71567.9
70.	-46186.5	8621.5	-1092.0	-21441.0	-123866.8	169302.5
	-46083.1	9881.2	-1045.2	-12976.4	-120192.6	170380.0
80.	-46146.7	8621.5	-1092.0	-21441.0	-112946.6	255517.9
	-46043.3	9881.2	-1045.2	-12976.4	-109740.7	269192.1
Asta	207	nodì	129	31		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-50137.3	-8965.1	-1162.7	19092.4	-234793.1	460176.4
	-50187.8	-9015.7	-1088.7	3813.7	-253087.2	433053.6
10.	-50097.5	-8965.1	-1162.7	19092.4	-223165.6	370525.4
	-50148.0	-9015.7	-1088.7	3813.7	-242200.2	342896.9
20.	-50057.7	-8965.1	-1162.7	19092.4	-211538.2	280874.4
	-50108.2	-9015.7	-1088.7	3813.7	-231313.2	252740.2
30.	-50017.9	-8965.1	-1162.7	19092.4	-199910.7	191223.4
	-50068.4	-9015.7	-1088.7	3813.7	-220426.3	162583.5
40.	-49978.0	-8965.1	-1162.7	19092.4	-188283.2	101572.4
	-50028.5	-9015.7	-1088.7	3813.7	-209539.3	72426.8
50.	-49938.2	-8965.1	-1162.7	19092.4	-176655.8	11921.4
	-49988.7	-9015.7	-1088.7	3813.7	-198652.3	-17729.9

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60.	-49898.4	-8965.1	-1162.7	19092.4	-165028.3	-77729.6
	-49948.9	-9015.7	-1088.7	3813.7	-187765.3	-107886.6
70.	-49858.6	-8965.1	-1162.7	19092.4	-153400.8	-167380.6
	-49909.1	-9015.7	-1088.7	3813.7	-176878.3	-198043.3
80.	-49818.8	-8965.1	-1162.7	19092.4	-141773.4	-257031.6
	-49869.3	-9015.7	-1088.7	3813.7	-165991.3	-288200.0
Asta	208	nodì	146	104		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-41597.4	4766.0	389.5	-925.8	8702.5	77865.2
	-42248.6	4889.7	477.9	-23306.0	23800.4	45483.9
10.	-41557.6	4766.0	389.5	-925.8	4807.1	125525.2
	-42208.8	4889.7	477.9	-23306.0	19021.2	94380.9
20.	-41517.8	4766.0	389.5	-925.8	911.7	173185.1
	-42169.0	4889.7	477.9	-23306.0	14242.0	143277.9
30.	-41478.0	4766.0	389.5	-925.8	-2983.8	220845.1
	-42129.2	4889.7	477.9	-23306.0	9462.8	192174.8
40.	-41438.2	4766.0	389.5	-925.8	-6879.2	268505.0
	-42089.3	4889.7	477.9	-23306.0	4683.5	241071.8
50.	-41398.4	4766.0	389.5	-925.8	-10774.6	316164.9
	-42049.5	4889.7	477.9	-23306.0	-95.7	289968.8
60.	-41358.5	4766.0	389.5	-925.8	-14670.0	363824.9
	-42009.7	4889.7	477.9	-23306.0	-4874.9	338865.8
70.	-41318.7	4766.0	389.5	-925.8	-18565.5	411484.8
	-41969.9	4889.7	477.9	-23306.0	-9654.1	387762.8
80.	-41278.9	4766.0	389.5	-925.8	-22460.9	459144.8
	-41930.1	4889.7	477.9	-23306.0	-14433.3	436659.8
Asta	209	nodì	131	35		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-30482.8	3676.7	-1766.9	2014.7	-12119.8	102469.7
	-31601.5	995.1	-1727.5	2453.8	3007.2	214348.9
10.	-30443.0	3676.7	-1766.9	2014.7	5549.0	139237.1
	-31561.7	995.1	-1727.5	2453.8	20282.5	224299.6
20.	-30403.2	3676.7	-1766.9	2014.7	23217.8	176004.6
	-31521.9	995.1	-1727.5	2453.8	37557.8	234250.3
30.	-30363.4	3676.7	-1766.9	2014.7	40886.6	212772.0
	-31482.0	995.1	-1727.5	2453.8	54833.1	244201.0
40.	-30323.6	3676.7	-1766.9	2014.7	58555.4	249539.4
	-31442.2	995.1	-1727.5	2453.8	72108.4	254151.7
50.	-30283.8	3676.7	-1766.9	2014.7	76224.2	286306.8
	-31402.4	995.1	-1727.5	2453.8	89383.7	264102.4
60.	-30243.9	3676.7	-1766.9	2014.7	93892.9	323074.3
	-31362.6	995.1	-1727.5	2453.8	106659.0	274053.1
70.	-30204.1	3676.7	-1766.9	2014.7	111561.7	359841.7
	-31322.8	995.1	-1727.5	2453.8	123934.3	284003.8
80.	-30164.3	3676.7	-1766.9	2014.7	129230.5	396609.1
	-31283.0	995.1	-1727.5	2453.8	141209.6	293954.5
Asta	210	nodì	132	37		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-51283.5	1649.5	0.5	27077.5	4459.9	19875.2
	-51088.6	-1156.6	-28.1	24143.5	271.7	132312.5
10.	-51243.6	1649.5	0.5	27077.5	4454.5	36370.1
	-51048.8	-1156.6	-28.1	24143.5	552.3	120746.8
20.	-51203.8	1649.5	0.5	27077.5	4449.1	52865.0
	-51009.0	-1156.6	-28.1	24143.5	832.9	109181.2
30.	-51164.0	1649.5	0.5	27077.5	4443.8	69359.9
	-50969.2	-1156.6	-28.1	24143.5	1113.5	97615.5
40.	-51124.2	1649.5	0.5	27077.5	4438.4	85854.8
	-50929.4	-1156.6	-28.1	24143.5	1394.2	86049.9
50.	-51084.4	1649.5	0.5	27077.5	4433.1	102349.7
	-50889.5	-1156.6	-28.1	24143.5	1674.8	74484.2
60.	-51044.6	1649.5	0.5	27077.5	4427.7	118844.6
	-50849.7	-1156.6	-28.1	24143.5	1955.4	62918.5
70.	-51004.8	1649.5	0.5	27077.5	4422.4	135339.4
	-50809.9	-1156.6	-28.1	24143.5	2236.0	51352.9
80.	-50965.0	1649.5	0.5	27077.5	4417.0	151834.3
	-50770.1	-1156.6	-28.1	24143.5	2516.6	39787.2
Asta	211	nodì	133	39		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-36028.7	-2253.5	300.3	14642.6	78890.7	-93133.2
	-35310.1	-4779.0	192.2	13623.7	50784.0	6929.9
10.	-35988.9	-2253.5	300.3	14642.6	75888.0	-115668.5
	-35270.3	-4779.0	192.2	13623.7	48861.6	-40860.3
20.	-35949.1	-2253.5	300.3	14642.6	72885.3	-138203.8
	-35230.5	-4779.0	192.2	13623.7	46939.2	-88650.5
30.	-35909.3	-2253.5	300.3	14642.6	69882.7	-160739.2
	-35190.6	-4779.0	192.2	13623.7	45016.7	-136440.7
40.	-35869.5	-2253.5	300.3	14642.6	66880.0	-183274.5
	-35150.8	-4779.0	192.2	13623.7	43094.3	-184230.9
50.	-35829.7	-2253.5	300.3	14642.6	63877.3	-205809.9
	-35111.0	-4779.0	192.2	13623.7	41171.9	-232021.2
60.	-35789.8	-2253.5	300.3	14642.6	60874.7	-228345.2
	-35071.2	-4779.0	192.2	13623.7	39249.5	-279811.4
70.	-35750.0	-2253.5	300.3	14642.6	57872.0	-250880.6
	-35031.4	-4779.0	192.2	13623.7	37327.0	-277601.6
80.	-35710.2	-2253.5	300.3	14642.6	54869.3	-273415.9
	-34991.6	-4779.0	192.2	13623.7	35404.6	-375391.8
Asta	212	nodì	134	41		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-34327.4	5134.9	488.0	-9019.7	114775.5	-27863.2

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10.	-34750.1	4124.3	532.1	-5389.9	120364.7	31905.2
	-34287.6	5134.9	488.0	-9019.7	109895.5	23486.0
	-34710.3	4124.3	532.1	-5389.9	115044.0	73148.1
20.	-34247.8	5134.9	488.0	-9019.7	105015.6	74835.2
	-34670.5	4124.3	532.1	-5389.9	109723.2	114391.1
30.	-34208.0	5134.9	488.0	-9019.7	100135.6	126184.4
	-34630.7	4124.3	532.1	-5389.9	104402.5	155634.0
40.	-34168.2	5134.9	488.0	-9019.7	95255.6	177533.6
	-34590.9	4124.3	532.1	-5389.9	99081.7	196876.9
50.	-34128.4	5134.9	488.0	-9019.7	90375.7	228882.8
	-34551.0	4124.3	532.1	-5389.9	93761.0	238119.8
60.	-34088.6	5134.9	488.0	-9019.7	85495.7	280232.0
	-34511.2	4124.3	532.1	-5389.9	88440.2	279362.7
70.	-34048.7	5134.9	488.0	-9019.7	80615.7	331581.2
	-34471.4	4124.3	532.1	-5389.9	83119.5	320605.6
80.	-34008.9	5134.9	488.0	-9019.7	75735.8	382930.4
	-34431.6	4124.3	532.1	-5389.9	77798.7	361848.5
Asta	213	nodì	135	43		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-49115.3	666.0	106.6	-29864.4	80728.8	-121389.1
	-49248.1	-430.6	110.3	-30866.8	75605.1	-60413.4
10.	-49075.5	666.0	106.6	-29864.4	79663.2	-114728.7
	-49208.3	-430.6	110.3	-30866.8	74502.1	-64719.1
20.	-49035.6	666.0	106.6	-29864.4	78597.6	-108068.3
	-49168.5	-430.6	110.3	-30866.8	73399.2	-69024.9
30.	-48995.8	666.0	106.6	-29864.4	77532.0	-101407.9
	-49128.7	-430.6	110.3	-30866.8	72296.3	-73330.6
40.	-48956.0	666.0	106.6	-29864.4	76466.3	-94747.6
	-49088.8	-430.6	110.3	-30866.8	71193.4	-77636.4
50.	-48916.2	666.0	106.6	-29864.4	75400.7	-88087.2
	-49049.0	-430.6	110.3	-30866.8	70090.4	-81942.1
60.	-48876.4	666.0	106.6	-29864.4	74335.1	-81426.8
	-49009.2	-430.6	110.3	-30866.8	68987.5	-86247.9
70.	-48836.6	666.0	106.6	-29864.4	73269.5	-74766.4
	-48969.4	-430.6	110.3	-30866.8	67884.6	-90553.6
80.	-48796.8	666.0	106.6	-29864.4	72203.9	-68106.1
	-48929.6	-430.6	110.3	-30866.8	66781.6	-94859.3
Asta	214	nodì	136	45		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-31741.2	-3374.4	3359.0	28456.6	390046.5	-37009.4
	-31047.1	-4261.9	3263.1	29611.8	377673.2	16177.4
10.	-31701.4	-3374.4	3359.0	28456.6	356457.0	-70753.3
	-31007.3	-4261.9	3263.1	29611.8	345042.6	-26441.6
20.	-31661.6	-3374.4	3359.0	28456.6	322867.5	-104497.2
	-30967.5	-4261.9	3263.1	29611.8	312412.1	-69060.7
30.	-31621.8	-3374.4	3359.0	28456.6	289277.9	-138241.1
	-30927.7	-4261.9	3263.1	29611.8	279781.5	-111679.8
40.	-31582.0	-3374.4	3359.0	28456.6	255688.4	-171985.1
	-30887.9	-4261.9	3263.1	29611.8	247150.9	-154298.9
50.	-31542.1	-3374.4	3359.0	28456.6	222098.9	-205729.0
	-30848.1	-4261.9	3263.1	29611.8	214520.3	-196917.9
60.	-31502.3	-3374.4	3359.0	28456.6	188509.3	-239472.9
	-30808.3	-4261.9	3263.1	29611.8	181889.7	-239537.0
70.	-31462.5	-3374.4	3359.0	28456.6	154919.8	-273216.8
	-30768.4	-4261.9	3263.1	29611.8	149259.2	-282156.1
80.	-31422.7	-3374.4	3359.0	28456.6	121330.2	-306960.7
	-30728.6	-4261.9	3263.1	29611.8	116628.6	-324775.2
Asta	215	nodì	137	47		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-41833.4	-7742.4	-383.0	-10721.7	11764.2	-40138.5
	-41202.4	-10600.7	-164.2	-4099.0	14623.4	-9691.4
10.	-41793.6	-7742.4	-383.0	-10721.7	15594.0	-117563.0
	-41162.6	-10600.7	-164.2	-4099.0	16265.9	-115698.5
20.	-41753.8	-7742.4	-383.0	-10721.7	19423.8	-194987.4
	-41122.7	-10600.7	-164.2	-4099.0	17908.4	-221705.6
30.	-41714.0	-7742.4	-383.0	-10721.7	23253.6	-272411.8
	-41082.9	-10600.7	-164.2	-4099.0	19550.8	-327712.7
40.	-41674.1	-7742.4	-383.0	-10721.7	27083.4	-349836.2
	-41043.1	-10600.7	-164.2	-4099.0	21193.3	-433719.8
50.	-41634.3	-7742.4	-383.0	-10721.7	30913.1	-427260.6
	-41003.3	-10600.7	-164.2	-4099.0	22835.8	-539726.9
60.	-41594.5	-7742.4	-383.0	-10721.7	34742.9	-504685.0
	-40963.5	-10600.7	-164.2	-4099.0	24478.3	-645734.0
70.	-41554.7	-7742.4	-383.0	-10721.7	38572.7	-582109.4
	-40923.7	-10600.7	-164.2	-4099.0	26120.8	-751741.1
80.	-41514.9	-7742.4	-383.0	-10721.7	42402.5	-659533.8
	-40883.9	-10600.7	-164.2	-4099.0	27763.2	-857748.2
Asta	216	nodì	138	49		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-38185.6	-1633.7	-41.5	-429.7	-36525.3	156369.8
	-38049.4	-1293.0	-58.3	-489.1	-56636.5	117827.5
10.	-38145.8	-1633.7	-41.5	-429.7	-36110.5	140033.0
	-38009.6	-1293.0	-58.3	-489.1	-56053.4	104897.4
20.	-38106.0	-1633.7	-41.5	-429.7	-35695.8	123696.1
	-37969.8	-1293.0	-58.3	-489.1	-55470.2	91967.3
30.	-38066.2	-1633.7	-41.5	-429.7	-35281.0	107359.2
	-37930.0	-1293.0	-58.3	-489.1	-54887.1	79037.2
40.	-38026.4	-1633.7	-41.5	-429.7	-34866.2	91022.4
	-37890.2	-1293.0	-58.3	-489.1	-54303.9	66107.1
50.	-37986.6	-1633.7	-41.5	-429.7	-34451.4	74685.5

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60.	-37850.3	-1293.0	-58.3	-489.1	-53720.8	53177.0
	-37946.7	-1633.7	-41.5	-429.7	-34036.6	58348.6
	-37810.5	-1293.0	-58.3	-489.1	-53137.6	40246.9
70.	-37906.9	-1633.7	-41.5	-429.7	-33621.8	42011.8
	-37770.7	-1293.0	-58.3	-489.1	-52554.5	27316.8
80.	-37867.1	-1633.7	-41.5	-429.7	-33207.1	25674.9
	-37730.9	-1293.0	-58.3	-489.1	-51971.3	14386.7
Asta	217	nodì	139	51		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-37940.3	2805.1	-41.9	-6700.4	-28437.0	-166526.0
	-38001.6	3493.9	-68.7	-6731.1	-40312.2	-220887.0
10.	-37900.5	2805.1	-41.9	-6700.4	-28018.0	-138474.5
	-37961.8	3493.9	-68.7	-6731.1	-39625.1	-185948.0
20.	-37860.6	2805.1	-41.9	-6700.4	-27598.9	-110423.0
	-37922.0	3493.9	-68.7	-6731.1	-38938.0	-151009.0
30.	-37820.8	2805.1	-41.9	-6700.4	-27179.9	-82371.5
	-37882.2	3493.9	-68.7	-6731.1	-38251.0	-116070.0
40.	-37781.0	2805.1	-41.9	-6700.4	-26760.9	-54320.0
	-37842.4	3493.9	-68.7	-6731.1	-37563.9	-81131.0
50.	-37741.2	2805.1	-41.9	-6700.4	-26341.9	-26268.5
	-37802.6	3493.9	-68.7	-6731.1	-36876.8	-46192.0
60.	-37701.4	2805.1	-41.9	-6700.4	-25922.9	1783.0
	-37762.8	3493.9	-68.7	-6731.1	-36189.7	-11253.0
70.	-37661.6	2805.1	-41.9	-6700.4	-25503.8	29834.5
	-37723.0	3493.9	-68.7	-6731.1	-35502.6	23686.0
80.	-37621.8	2805.1	-41.9	-6700.4	-25084.8	57886.0
	-37683.1	3493.9	-68.7	-6731.1	-34815.5	58625.0
Asta	218	nodì	140	53		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-51956.3	4708.7	191.3	23530.2	31084.8	-48628.6
	-51961.9	905.3	150.0	20840.5	27269.7	-5951.5
10.	-51916.4	4708.7	191.3	23530.2	29171.8	-1541.3
	-51922.1	905.3	150.0	20840.5	25769.4	3101.7
20.	-51876.6	4708.7	191.3	23530.2	27258.7	45546.0
	-51882.3	905.3	150.0	20840.5	24269.2	12155.0
30.	-51836.8	4708.7	191.3	23530.2	25345.6	92633.3
	-51842.5	905.3	150.0	20840.5	22768.9	21208.3
40.	-51797.0	4708.7	191.3	23530.2	23432.6	139720.7
	-51802.6	905.3	150.0	20840.5	21268.7	30261.5
50.	-51757.2	4708.7	191.3	23530.2	21519.5	186808.0
	-51762.8	905.3	150.0	20840.5	19768.5	39314.8
60.	-51717.4	4708.7	191.3	23530.2	19606.4	233895.3
	-51723.0	905.3	150.0	20840.5	18268.2	48368.1
70.	-51677.6	4708.7	191.3	23530.2	17693.4	280982.6
	-51683.2	905.3	150.0	20840.5	16768.0	57421.4
80.	-51637.8	4708.7	191.3	23530.2	15780.3	328069.9
	-51643.4	905.3	150.0	20840.5	15267.7	66474.6
Asta	219	nodì	141	55		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-54595.1	-16251.0	-64.9	-12891.1	25330.2	-38921.5
	-54095.8	-16635.7	172.4	-5699.0	28345.1	-28439.9
10.	-54555.3	-16251.0	-64.9	-12891.1	25979.3	-201431.7
	-54056.0	-16635.7	172.4	-5699.0	26620.9	-194797.1
20.	-54515.4	-16251.0	-64.9	-12891.1	26628.4	-363941.9
	-54016.2	-16635.7	172.4	-5699.0	24896.7	-361154.4
30.	-54475.6	-16251.0	-64.9	-12891.1	27277.5	-526452.1
	-53976.4	-16635.7	172.4	-5699.0	23172.4	-527511.6
40.	-54435.8	-16251.0	-64.9	-12891.1	27926.6	-688962.3
	-53936.6	-16635.7	172.4	-5699.0	21448.2	-693868.9
50.	-54396.0	-16251.0	-64.9	-12891.1	28575.6	-851472.5
	-53896.8	-16635.7	172.4	-5699.0	19724.0	-860226.1
60.	-54356.2	-16251.0	-64.9	-12891.1	29224.7	-1013982.7
	-53857.0	-16635.7	172.4	-5699.0	17999.8	-1026583.4
70.	-54316.4	-16251.0	-64.9	-12891.1	29873.8	-1176493.0
	-53817.1	-16635.7	172.4	-5699.0	16275.6	-1192940.6
80.	-54276.6	-16251.0	-64.9	-12891.1	30522.9	-1339003.2
	-53777.3	-16635.7	172.4	-5699.0	14551.4	-1359297.9
Asta	220	nodì	142	57		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-50327.8	-1506.4	2.6	2966.8	-2405.2	17378.1
	-50312.6	-1383.8	7.9	2059.5	-1140.0	11901.1
10.	-50288.0	-1506.4	2.6	2966.8	-2431.5	2314.0
	-50272.7	-1383.8	7.9	2059.5	-1219.4	-1936.6
20.	-50248.2	-1506.4	2.6	2966.8	-2457.9	-12750.1
	-50232.9	-1383.8	7.9	2059.5	-1298.7	-15774.2
30.	-50208.4	-1506.4	2.6	2966.8	-2484.2	-27814.2
	-50193.1	-1383.8	7.9	2059.5	-1378.1	-29611.9
40.	-50168.6	-1506.4	2.6	2966.8	-2510.6	-42878.2
	-50153.3	-1383.8	7.9	2059.5	-1457.4	-43449.5
50.	-50128.8	-1506.4	2.6	2966.8	-2537.0	-57942.3
	-50113.5	-1383.8	7.9	2059.5	-1536.8	-57287.2
60.	-50089.0	-1506.4	2.6	2966.8	-2563.3	-73006.4
	-50073.7	-1383.8	7.9	2059.5	-1616.1	-71124.9
70.	-50049.1	-1506.4	2.6	2966.8	-2589.7	-88070.5
	-50033.9	-1383.8	7.9	2059.5	-1695.5	-84962.5
80.	-50009.3	-1506.4	2.6	2966.8	-2616.0	-103134.6
	-49994.1	-1383.8	7.9	2059.5	-1774.8	-98800.2
Asta	221	nodì	143	59		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ

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0.	-49781.0	497.4	-5.8	2165.7	-5001.7	23396.2
	-49796.0	614.2	4.9	1500.7	-1758.4	18295.8
10.	-49741.2	497.4	-5.8	2165.7	-4943.7	28370.5
	-49756.2	614.2	4.9	1500.7	-1806.9	24437.8
20.	-49701.3	497.4	-5.8	2165.7	-4885.7	33344.7
	-49716.4	614.2	4.9	1500.7	-1855.4	30579.7
30.	-49661.5	497.4	-5.8	2165.7	-4827.7	38318.9
	-49676.6	614.2	4.9	1500.7	-1903.9	36721.7
40.	-49621.7	497.4	-5.8	2165.7	-4769.7	43293.2
	-49636.8	614.2	4.9	1500.7	-1952.4	42863.7
50.	-49581.9	497.4	-5.8	2165.7	-4711.6	48267.4
	-49597.0	614.2	4.9	1500.7	-2001.0	49005.6
60.	-49542.1	497.4	-5.8	2165.7	-4653.6	53241.6
	-49557.2	614.2	4.9	1500.7	-2049.5	55147.6
70.	-49502.3	497.4	-5.8	2165.7	-4595.6	58215.9
	-49517.4	614.2	4.9	1500.7	-2098.0	61289.6
80.	-49462.5	497.4	-5.8	2165.7	-4537.6	63190.1
	-49477.5	614.2	4.9	1500.7	-2146.5	67431.5

Asta	222	odi	144	61		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-41095.2	731.1	23.7	741.2	-11795.3	-52500.1
	-41105.3	848.3	37.3	266.7	-6216.5	-57486.5
10.	-41055.3	731.1	23.7	741.2	-12032.0	-45188.8
	-41065.5	848.3	37.3	266.7	-6589.1	-49003.3
20.	-41015.5	731.1	23.7	741.2	-12268.6	-37877.6
	-41025.6	848.3	37.3	266.7	-6961.7	-40520.0
30.	-40975.7	731.1	23.7	741.2	-12505.2	-30566.3
	-40985.8	848.3	37.3	266.7	-7334.3	-32036.7
40.	-40935.9	731.1	23.7	741.2	-12741.8	-23255.0
	-40946.0	848.3	37.3	266.7	-7706.9	-23553.4
50.	-40896.1	731.1	23.7	741.2	-12978.4	-15943.7
	-40906.2	848.3	37.3	266.7	-8079.5	-15070.1
60.	-40856.3	731.1	23.7	741.2	-13215.0	-8632.5
	-40866.4	848.3	37.3	266.7	-8452.1	-6586.8
70.	-40816.5	731.1	23.7	741.2	-13451.6	-1321.2
	-40826.6	848.3	37.3	266.7	-8824.7	1896.5
80.	-40776.7	731.1	23.7	741.2	-13688.2	5990.1
	-40786.8	848.3	37.3	266.7	-9197.3	10379.8

Asta	223	odi	145	63		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-40523.7	2006.9	-169.1	9505.8	-49724.1	-177438.2
	-40524.5	2126.3	-180.3	10037.8	-41084.7	-182390.8
10.	-40483.9	2006.9	-169.1	9505.8	-48033.0	-157369.7
	-40484.7	2126.3	-180.3	10037.8	-39281.9	-161127.5
20.	-40444.1	2006.9	-169.1	9505.8	-46341.9	-137301.1
	-40444.9	2126.3	-180.3	10037.8	-37479.1	-139864.3
30.	-40404.2	2006.9	-169.1	9505.8	-44650.8	-117232.5
	-40405.0	2126.3	-180.3	10037.8	-35676.2	-118601.0
40.	-40364.4	2006.9	-169.1	9505.8	-42959.7	-97164.0
	-40365.2	2126.3	-180.3	10037.8	-33873.4	-97337.7
50.	-40324.6	2006.9	-169.1	9505.8	-41268.6	-77095.4
	-40325.4	2126.3	-180.3	10037.8	-32070.5	-76074.5
60.	-40284.8	2006.9	-169.1	9505.8	-39577.5	-57026.8
	-40285.6	2126.3	-180.3	10037.8	-30267.7	-54811.2
70.	-40245.0	2006.9	-169.1	9505.8	-37886.5	-36958.3
	-40245.8	2126.3	-180.3	10037.8	-28464.9	-33547.9
80.	-40205.2	2006.9	-169.1	9505.8	-36195.4	-16889.7
	-40206.0	2126.3	-180.3	10037.8	-26662.0	-12284.7

Asta	224	odi	145	118		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	3775.2	23519.6	-77.7	69715.8	-73488.5	-1665596.0
	3231.1	23538.8	-133.4	57153.8	-1477.6	-1665021.8
34.	3775.2	19183.0	-105.9	70737.1	-70367.4	-934555.6
	3231.1	19200.3	-118.2	58198.3	2838.5	-933354.2
69.	3775.2	14933.1	-142.5	71791.9	-66139.7	-350572.3
	3231.1	14948.3	-100.5	59270.6	6591.1	-348813.5
103.	3775.2	10774.3	-188.9	72880.2	-60492.8	89402.9
	3231.1	10787.1	-80.3	60370.8	9695.8	91641.9
137.	3775.2	6708.9	-246.0	74002.0	-53077.4	388533.2
	3231.1	6719.1	-57.6	61498.8	12065.3	391168.1
171.	3775.2	2737.7	-314.5	75157.3	-43512.9	550037.0
	3231.1	2745.1	-32.1	62654.6	13608.2	552975.8
206.	3775.2	-1140.3	-395.2	76346.2	-31393.7	577129.1
	3231.1	-1135.9	-3.6	63838.4	14227.9	580271.8
240.	3775.2	-4927.7	-488.6	77568.5	-16295.0	472961.4
	3231.1	-4926.6	27.9	65049.9	13821.3	476199.3
274.	3775.2	-8629.0	-594.9	78824.4	2221.5	240564.4
	3231.1	-8631.5	62.8	66289.4	12277.9	243779.7

Asta	225	odi	114	115		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	4780.3	17153.1	-14.9	-159332.9	-66539.4	-214978.9
	5548.5	17145.1	-21.2	-164037.7	-155866.8	-209820.6
50.	4780.3	11693.9	-63.4	-155689.6	-64524.1	500381.9
	5548.5	11687.2	-141.5	-160413.0	-151657.6	505174.9
99.	4780.3	6105.0	-95.3	-152183.9	-60528.4	942034.3
	5548.5	6099.9	-222.5	-156930.5	-142490.7	946532.9
149.	4780.3	370.2	-113.7	-148815.7	-55297.6	1103127.4
	5548.5	366.8	-271.1	-153590.0	-130139.7	1107412.2
198.	4780.3	-5521.3	-121.2	-145585.0	-49435.6	976139.4
	5548.5	-5523.0	-293.8	-150391.6	-116045.6	980297.3

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248.	4780.3	-11575.2	-120.3	-142491.8	-43418.6	553141.9
	5548.5	-11575.0	-296.3	-147335.3	-101350.5	557262.5
297.	4780.3	-17791.5	-113.2	-139536.2	-37609.2	-173935.4
	5548.5	-17789.6	-283.5	-144421.1	-86930.8	-169763.1
347.	4780.3	-24165.1	-101.7	-136718.2	-32269.9	-1213040.7
	5548.5	-24161.6	-259.8	-141648.9	-73430.7	-1208731.4
397.	4780.3	-30685.7	-87.4	-134037.6	-27577.0	-2571735.1
	5548.5	-30680.6	-228.9	-139018.8	-61295.6	-2567210.6
Asta	226	nodì	115	116		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	6005.5	27710.7	-142.0	-84997.4	-27434.4	-2420572.7
	6555.7	27719.1	-305.2	-83421.6	-61344.8	-2422933.4
50.	6005.5	20997.9	-126.1	-82398.6	-20727.5	-1202316.2
	6555.7	21007.6	-269.8	-80875.3	-46958.6	-1204224.0
100.	6005.5	14159.9	-109.8	-79872.0	-14829.2	-322865.8
	6555.7	14170.7	-232.6	-78399.9	-34396.1	-324261.7
150.	6005.5	7205.4	-94.1	-77417.5	-9734.2	211735.6
	6555.7	7217.1	-195.7	-75995.3	-23694.3	210901.4
200.	6005.5	143.1	-79.6	-75035.2	-5398.0	395879.1
	6555.7	155.5	-160.5	-73661.5	-14799.9	395648.6
250.	6005.5	-7018.4	-66.7	-72724.9	-1748.0	224390.0
	6555.7	-7005.4	-128.4	-71398.5	-7591.0	224798.2
300.	6005.5	-14270.4	-55.8	-70486.8	1306.3	-307471.0
	6555.7	-14256.8	-99.9	-69206.3	-1899.2	-306396.2
350.	6005.5	-21604.0	-46.7	-68320.9	3861.3	-1204007.3
	6555.7	-21590.1	-75.4	-67084.9	2468.0	-1202245.3
400.	6005.5	-29010.6	-39.4	-66227.0	6009.0	-2469085.4
	6555.7	-28996.5	-54.7	-65034.4	5705.5	-2466624.3
Asta	227	nodì	116	117		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	6676.5	31342.8	-27.5	-54447.4	176.6	-2402264.0
	7022.6	31355.5	-59.1	-49644.0	778.6	-2405883.0
50.	6676.5	23824.6	-21.6	-52399.4	1406.1	-1014198.2
	7022.6	23837.3	-41.5	-47636.6	3296.6	-1017178.0
101.	6676.5	16247.1	-16.9	-50396.7	2368.8	-5905.9
	7022.6	16259.5	-27.0	-45670.0	5009.3	-8253.9
151.	6676.5	8615.1	-13.4	-48439.3	3127.3	619752.5
	7022.6	8627.2	-15.4	-43744.1	6065.5	618021.4
201.	6676.5	932.6	-11.0	-46527.2	3738.9	860140.9
	7022.6	944.3	-6.4	-41858.9	6603.2	859006.9
252.	6676.5	-6797.1	-9.6	-44660.3	4254.2	712805.5
	7022.6	-6785.9	0.3	-40014.5	6748.3	712245.3
302.	6676.5	-14571.6	-8.9	-42838.7	4715.3	175433.1
	7022.6	-14561.0	4.8	-38210.8	6612.5	175420.7
352.	6676.5	-22389.5	-8.6	-41062.5	5153.7	-754191.2
	7022.6	-22379.5	7.6	-36447.9	6293.0	-753684.0
403.	6676.5	-30250.0	-8.7	-39331.5	5589.1	-2078226.3
	7022.6	-30240.6	9.0	-34725.7	5870.0	-2077230.0
Asta	228	nodì	117	142		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	5392.7	24008.9	-10.4	-35087.2	1834.5	-2006420.7
	5547.6	24040.7	4.7	-29831.1	3054.9	-2011199.1
37.	5392.7	18202.0	-10.5	-33838.8	2220.8	-1225456.2
	5547.6	18233.3	5.0	-28586.2	2875.0	-1229068.7
74.	5392.7	12377.6	-10.5	-32606.4	2608.0	-659687.9
	5547.6	12408.4	4.7	-27354.4	2693.7	-662153.2
111.	5392.7	6541.1	-10.4	-31390.0	2993.4	-309663.1
	5547.6	6571.3	4.1	-26135.8	2529.4	-310999.8
148.	5392.7	697.6	-10.1	-30189.5	3372.7	-175734.8
	5547.6	727.4	3.0	-24930.3	2397.9	-175959.9
185.	5392.7	-5148.0	-9.7	-29004.9	3739.2	-258069.2
	5547.6	-5118.6	1.5	-23738.1	2313.5	-257198.4
222.	5392.7	-10990.9	-8.9	-27836.3	4084.0	-556654.9
	5547.6	-10961.9	-0.2	-22559.0	2288.7	-554702.2
259.	5392.7	-16826.8	-7.8	-26683.6	4395.2	-1071310.7
	5547.6	-16798.0	-2.3	-21393.1	2334.0	-1068288.7
296.	5392.7	-22651.2	-6.3	-25546.9	4658.2	-1801694.4
	5547.6	-22622.8	-4.5	-20240.3	2458.3	-1797615.1
Asta	229	nodì	142	143		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	6929.1	27676.6	-3.7	-23141.7	1691.4	-1784316.4
	6901.5	27689.8	3.4	-19100.3	398.8	-1785714.0
44.	6929.1	20701.2	-1.1	-21792.8	1800.7	-709508.0
	6901.5	20713.9	0.5	-17728.9	310.5	-710330.1
89.	6929.1	13749.5	2.3	-20457.5	1777.7	55852.4
	6901.5	13761.9	-2.7	-16368.0	358.9	55587.1
133.	6929.1	6823.4	6.7	-19135.8	1582.1	512859.9
	6901.5	6835.3	-6.2	-15017.4	556.0	513132.1
178.	6929.1	-75.6	12.0	-17827.6	1170.5	662683.7
	6901.5	-64.2	-9.9	-13677.3	913.4	663473.7
222.	6929.1	-6945.8	18.4	-16533.0	498.2	506567.3
	6901.5	-6934.8	-13.9	-12347.5	1441.2	507854.9
267.	6929.1	-13785.4	25.8	-15251.9	-480.7	45829.4
	6901.5	-13774.9	-18.0	-11028.1	2147.8	47593.8
311.	6929.1	-20592.8	34.2	-13984.4	-1811.3	-718134.8
	6901.5	-20582.9	-22.1	-9719.2	3038.4	-715916.2
356.	6929.1	-27366.2	43.6	-12730.4	-3537.8	-1783853.6
	6901.5	-27356.9	-26.3	-8420.6	4114.8	-1781205.6
Asta	230	nodì	143	144		

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PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	6461.7	22414.8	37.8	-7728.7	-5703.5	-1760457.4
	6257.2	22439.2	-21.5	-6662.3	2614.1	-1762909.8
37.	6461.7	16793.3	46.3	-6689.5	-7261.3	-1033966.2
	6257.2	16817.2	-24.9	-5584.2	3472.5	-1035523.1
74.	6461.7	11201.1	55.4	-5652.1	-9145.5	-515291.6
	6257.2	11224.3	-28.1	-4507.4	4454.9	-515975.0
111.	6461.7	5642.3	64.9	-4616.7	-11374.5	-203272.4
	6257.2	5664.9	-31.2	-3431.8	5555.9	-203106.1
148.	6461.7	121.2	74.7	-3583.2	-13960.6	-96590.3
	6257.2	143.1	-34.1	-2357.5	6767.0	-95599.2
185.	6461.7	-5358.1	84.4	-2551.5	-16907.9	-193772.2
	6257.2	-5336.9	-36.5	-1284.4	8075.7	-191982.8
222.	6461.7	-10791.5	93.7	-1521.8	-20209.2	-493192.7
	6257.2	-10771.1	-38.4	-212.6	9464.6	-490632.9
259.	6461.7	-16175.0	102.3	-493.9	-23844.4	-993076.1
	6257.2	-16155.4	-39.5	858.0	10909.7	-989775.9
297.	6461.7	-21504.6	109.7	532.0	-27777.6	-1691499.1
	6257.2	-21486.0	-39.7	1927.3	12380.1	-1687491.1
Asta	231	nod	144	145		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	5756.9	19590.5	133.4	12327.4	-28518.7	-1743999.3
	5382.6	19619.3	-2.4	8143.9	12113.4	-1744977.6
34.	5756.9	14805.4	138.6	13260.8	-33095.6	-1165857.6
	5382.6	14833.2	-1.6	9116.1	12183.5	-1165884.9
67.	5756.9	10072.3	142.0	14201.3	-37819.5	-747753.1
	5382.6	10099.1	0.4	10093.6	12206.1	-746862.6
101.	5756.9	5395.7	143.1	15148.8	-42621.1	-487861.3
	5382.6	5421.3	3.8	11076.3	12138.9	-486088.8
135.	5756.9	779.6	141.4	16103.3	-47413.7	-384215.0
	5382.6	804.0	8.7	12064.3	11933.4	-381599.6
168.	5756.9	-3772.1	136.1	17064.9	-52090.0	-434712.1
	5382.6	-3748.9	15.3	13057.6	11535.4	-431295.8
202.	5756.9	-8255.5	126.6	18033.5	-56519.4	-637121.9
	5382.6	-8233.8	23.7	14056.2	10884.9	-632950.5
235.	5756.9	-12667.3	112.0	19009.1	-60545.4	-989092.5
	5382.6	-12647.1	34.2	15060.0	9916.7	-984216.0
269.	5756.9	-17004.1	91.4	19991.7	-63982.7	-1488157.8
	5382.6	-16985.6	46.8	16069.1	8560.2	-1482631.0
Asta	232	nod	131	146		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	2105.6	13446.1	-2161.7	190197.2	-61846.5	-162485.9
	3068.1	13765.2	4057.9	185314.2	525401.0	-181235.6
45.	2105.6	8789.7	-1468.8	189534.0	18970.8	333098.1
	3068.1	9019.7	3570.9	184560.1	355694.6	326578.6
89.	2105.6	4089.5	-794.8	189015.0	69343.5	620243.3
	3068.1	4232.1	3164.5	183946.0	205944.2	622021.7
134.	2105.6	-663.2	-137.3	188640.0	90055.3	696792.4
	3068.1	-606.3	2849.6	183472.0	72297.0	703010.6
178.	2105.6	-5473.3	505.1	188409.2	81806.2	560283.8
	3068.1	-5500.4	2632.6	183138.1	-49484.0	567158.2
223.	2105.6	-10342.5	1133.2	188322.4	45249.4	208107.5
	3068.1	-10452.0	2514.7	182944.2	-163805.4	211929.4
267.	2105.6	-15268.8	1746.6	188379.8	-18971.5	-362339.6
	3068.1	-15459.0	2492.6	182890.4	-275029.0	-365201.9
312.	2105.6	-20246.9	2344.4	188581.2	-110185.3	-1153496.8
	3068.1	-20515.9	2558.0	182976.6	-387256.8	-1166596.3
357.	2105.6	-25267.9	2924.7	188926.8	-227656.4	-2167484.5
	3068.1	-25613.8	2697.9	183202.9	-504116.8	-2194292.4
Asta	233	nod	146	119		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	1716.0	16329.6	-2217.3	111061.6	-226730.5	-2176187.0
	2590.2	16634.8	-1815.9	137719.1	-480810.8	-2218092.8
39.	1716.0	11909.7	-1726.1	111460.2	-149889.9	-1625459.0
	2590.2	12149.3	-1645.6	138019.3	-413187.9	-1656747.3
78.	1716.0	7475.5	-1253.5	111925.1	-91853.5	-1247414.8
	2590.2	7651.1	-1441.5	138401.3	-352895.4	-1270615.5
117.	1716.0	3036.7	-802.1	112456.4	-51842.6	-1042427.5
	2590.2	3150.2	-1212.7	138865.2	-301070.5	-1059998.9
156.	1716.0	-1396.7	-374.4	113054.0	-28980.0	-1010482.8
	2590.2	-1343.1	-967.2	139410.8	-258518.5	-1024803.9
195.	1716.0	-5813.8	27.8	113717.9	-22307.0	-1151157.9
	2590.2	-5817.9	-712.0	140038.1	-225751.7	-1164521.7
234.	1716.0	-10203.4	403.2	114448.1	-30800.8	-1463600.9
	2590.2	-10262.6	-453.1	140747.3	-203028.6	-1478208.0
273.	1716.0	-14553.6	750.6	115244.7	-53391.0	-1946509.5
	2590.2	-14665.5	-195.5	141538.3	-190392.7	-1964463.5
312.	1716.0	-18852.1	1069.6	116107.5	-88976.9	-2598110.0
	2590.2	-19014.1	56.8	142411.0	-187711.3	-2621413.2
Asta	234	nod	119	118		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-686.3	35681.6	-1455.1	50083.5	-97000.5	-2964584.6
	-32.0	36055.1	-1851.9	47460.3	-195553.8	-3010469.8
76.	-686.3	27478.1	-915.0	51895.0	-7547.6	-564069.7
	-32.0	27762.1	-1384.6	49303.4	-72693.3	-585017.0
152.	-686.3	19505.2	-481.7	53834.5	44902.6	1221384.5
	-32.0	19711.3	-955.9	51268.8	16058.8	1218998.5
228.	-686.3	11730.4	-151.8	55901.9	68350.4	2408201.9
	-32.0	11870.6	-569.4	53356.6	73799.3	2418903.4
304.	-686.3	4101.5	78.6	58097.3	70521.6	3009587.0

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	-32.0	4188.2	-224.3	55566.8	103728.3	3028839.2
380.	-686.3	-3452.8	214.6	60420.7	58793.3	3034051.9
	-32.0	-3407.4	83.7	57899.4	108860.4	3058251.0
456.	-686.3	-11023.2	262.2	62872.0	40120.4	2483941.9
	-32.0	-11007.9	362.6	60354.3	91735.3	2510377.3
532.	-686.3	-18719.9	228.6	65451.2	20961.9	1353962.3
	-32.0	-18724.7	624.5	62931.7	54129.4	1380738.7
609.	-686.3	-26672.5	121.6	68158.4	7207.1	-370295.9
	-32.0	-26688.9	885.1	65631.4	-3232.9	-344372.8

Asta	236	nod	132	131		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	2386.9	25390.9	392.5	-184304.9	-17324.9	-2127136.9
	4181.1	25036.4	-904.6	-187858.0	38807.2	-2019916.9
53.	2386.9	20192.9	337.7	-182428.3	-36575.1	-926121.8
	4181.1	19826.0	-938.1	-185976.8	87229.4	-837864.4
105.	2386.9	14962.5	278.7	-180741.5	-52840.1	125.7
	4181.1	14572.7	-997.9	-184289.2	138125.5	68499.2
158.	2386.9	9707.0	212.8	-179244.4	-65826.9	650112.7
	4181.1	9282.4	-1078.6	-182795.1	192754.3	697089.6
211.	2386.9	4429.0	137.0	-177937.1	-75094.0	1022609.1
	4181.1	3956.4	-1171.0	-181494.6	251990.6	1046009.7
263.	2386.9	-874.1	47.9	-176819.6	-80031.8	1116380.7
	4181.1	-1408.6	-1262.1	-180387.7	316125.3	1113312.9
316.	2386.9	-6210.1	-58.3	-175891.8	-79842.6	929922.0
	4181.1	-6820.1	-1335.1	-179474.4	384664.5	896766.2
369.	2386.9	-11591.7	-185.6	-175153.9	-73520.4	461189.2
	4181.1	-12290.5	-1369.4	-178754.6	456129.2	393613.1
422.	2386.9	-17036.7	-338.7	-174605.7	-59831.7	-292666.9
	4181.1	-17836.3	-1340.6	-178228.4	527854.7	-399663.1

Asta	237	nod	133	132		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	5029.2	17846.8	401.0	-205107.8	254877.3	-408750.4
	2031.8	17463.8	-1602.4	-213230.8	-472075.7	-308540.4
58.	5029.2	12517.6	524.5	-201087.9	227666.3	472716.7
	2031.8	12187.7	-1508.8	-209127.6	-381493.6	552243.1
116.	5029.2	7184.6	586.4	-197314.3	195158.8	1044782.4
	2031.8	6903.3	-1376.6	-205281.0	-297609.0	1106590.6
174.	5029.2	1822.2	602.9	-193787.0	160448.1	1306453.3
	2031.8	1583.4	-1232.1	-201690.7	-221871.3	1353198.7
232.	5029.2	-3588.9	587.8	-190506.0	125757.5	1255436.2
	2031.8	-3792.9	-1096.6	-198356.9	-154351.5	1289367.3
290.	5029.2	-9061.8	552.0	-187471.4	92593.2	888493.1
	2031.8	-9239.9	-985.6	-195279.6	-94053.1	911374.6
348.	5029.2	-14603.7	504.0	-184683.0	61896.1	201794.8
	2031.8	-14765.6	-909.5	-192458.7	-39223.5	214852.7
406.	5029.2	-20215.7	449.5	-182140.9	34193.8	-808724.3
	2031.8	-20371.4	-873.3	-189894.3	12334.3	-804837.2
465.	5029.2	-25892.6	391.9	-179845.1	9752.6	-2147012.2
	2031.8	-26052.2	-876.5	-187586.3	62950.7	-2152229.4

Asta	238	nod	135	134		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	4627.1	26339.6	583.7	230712.8	58989.4	-2442531.9
	5440.1	26237.8	186.6	220944.1	29723.7	-2413141.2
58.	4627.1	20872.8	422.5	231672.4	29894.9	-1071994.1
	5440.1	20769.2	36.9	221830.9	23326.7	-1048537.0
116.	4627.1	15434.5	286.8	232937.7	9429.8	-18118.4
	5440.1	15322.5	-93.5	223010.3	25066.3	-888.4
174.	4627.1	10036.3	177.9	234508.5	-3927.5	721122.3
	5440.1	9908.8	-203.0	224482.2	33781.7	731434.1
232.	4627.1	4682.1	96.9	236385.0	-11770.4	1148206.0
	5440.1	4531.5	-289.0	226246.6	48187.3	1150482.1
290.	4627.1	-632.3	44.0	238567.1	-15725.2	1265605.2
	5440.1	-813.4	-347.4	228303.5	66806.2	1258289.1
348.	4627.1	-5918.6	18.7	241054.8	-17412.0	1075331.4
	5440.1	-6137.7	-373.4	230652.9	87902.6	1056430.1
406.	4627.1	-11196.5	19.9	243848.1	-18405.7	578478.6
	5440.1	-11460.6	-360.6	233294.8	109414.7	545581.0
465.	4627.1	-16493.7	45.8	246947.1	-20197.7	-225232.4
	5440.1	-16809.0	-301.8	236229.2	128888.0	-274921.7

Asta	239	nod	136	135		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	5587.6	13452.8	1848.7	315202.3	493026.5	-562189.7
	4715.1	13064.0	1513.5	300319.6	295667.9	-480765.1
49.	5587.6	9049.0	1728.8	313724.4	405057.5	-10073.2
	4715.1	8693.6	1327.4	298888.3	225907.3	53104.7
98.	5587.6	4611.9	1567.3	312534.4	324066.9	325198.0
	4715.1	4287.1	1129.5	297731.3	165608.5	371704.1
147.	5587.6	135.3	1381.4	311632.3	251662.6	441820.2
	4715.1	-162.7	928.9	296848.6	115120.0	473067.2
196.	5587.6	-4382.9	1185.1	311018.3	188685.8	337788.7
	4715.1	-4658.4	732.9	296240.2	74386.5	354987.9
245.	5587.6	-8940.9	989.8	310692.2	135355.1	11091.5
	4715.1	-9198.8	547.0	295906.0	43039.4	15226.2
294.	5587.6	-13532.9	803.6	310654.0	91411.4	-540096.1
	4715.1	-13778.2	374.7	295846.1	20488.9	-548285.5
343.	5587.6	-18149.0	631.9	310903.8	56261.9	-1317217.9
	4715.1	-18386.7	217.9	296060.5	6014.6	-1337235.7
393.	5587.6	-22775.7	477.1	311441.6	29125.0	-2321142.8
	4715.1	-23010.3	76.3	296549.2	-1143.0	-2352727.8

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Asta	240	nod	138	129		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-8868.4	17470.8	349.9	88710.9	-3314.5	368008.2
	-10583.1	17642.0	-535.9	117555.7	99183.2	344889.3
39.	-8868.4	12355.6	449.3	92109.5	-18852.0	948893.3
	-10583.1	12525.4	-577.8	120879.0	120858.3	932415.8
78.	-8868.4	7171.9	555.5	95568.2	-38390.2	1329308.5
	-10583.1	7339.7	-621.1	124279.2	144198.1	1319405.6
117.	-8868.4	1909.5	668.2	99086.9	-62193.9	1506383.0
	-10583.1	2074.8	-663.0	127756.2	169205.8	1502967.4
156.	-8868.4	-3440.6	786.5	102665.6	-90501.1	1476871.3
	-10583.1	-3278.1	-700.0	131309.9	195763.7	1479839.5
195.	-8868.4	-8886.0	908.4	106304.4	-123490.7	1237207.5
	-10583.1	-8726.7	-728.1	134940.4	223605.3	1246441.2
234.	-8868.4	-14432.7	1031.0	110003.2	-161250.1	783559.8
	-10583.1	-14277.1	-742.3	138647.7	252287.5	798925.3
273.	-8868.4	-20085.5	1150.8	113762.0	-203743.4	111885.2
	-10583.1	-19934.0	-737.1	142431.8	281163.0	133230.3
312.	-8868.4	-25847.6	1263.5	117580.9	-250779.0	-782015.8
	-10583.1	-25701.1	-706.0	146292.7	309351.9	-754867.8

Asta	241	nod	139	138		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-10258.2	21095.1	-229.7	24601.2	13769.5	120119.6
	-12120.0	21381.5	-417.0	34228.6	-29800.0	36091.6
41.	-10258.2	15887.7	-167.9	27962.6	21931.0	878189.5
	-12120.0	16182.1	-385.9	37457.6	-13380.4	806078.1
82.	-10258.2	10697.2	-103.0	31348.7	27497.1	1423140.3
	-12120.0	10997.2	-366.4	40717.2	2000.0	1363222.4
123.	-10258.2	5512.8	-34.0	34759.7	30320.2	1755444.0
	-12120.0	5816.5	-358.8	44007.6	16824.4	1707907.2
164.	-10258.2	323.2	39.5	38195.3	30224.3	1875117.9
	-12120.0	629.2	-362.9	47328.5	31580.2	1840085.0
205.	-10258.2	-4882.9	118.3	41655.8	27006.7	1781719.3
	-12120.0	-4575.4	-378.3	50680.2	46738.8	1759266.1
246.	-10258.2	-10116.8	202.9	45140.9	20441.1	1474339.6
	-12120.0	-9808.7	-403.6	54062.5	62736.1	1464507.4
287.	-10258.2	-15390.3	293.8	48650.8	10279.7	951598.4
	-12120.0	-15082.2	-437.4	57475.5	79952.7	954400.8
328.	-10258.2	-20714.9	391.4	52185.5	-3744.1	211638.4
	-12120.0	-20407.4	-477.6	60919.1	98694.1	227061.8

Asta	242	nod	128	139		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-7212.2	23797.6	-558.2	-29254.0	-113261.6	-690449.0
	-8867.0	23832.3	-814.9	-30518.1	-209878.3	-766919.7
38.	-7212.2	18502.2	-527.9	-26043.9	-92359.6	122269.1
	-8867.0	18576.9	-754.3	-27427.4	-179694.8	47920.5
77.	-7212.2	13277.3	-490.2	-22843.1	-72772.2	732809.4
	-8867.0	13386.4	-688.1	-24347.2	-151961.8	662010.7
115.	-7212.2	8119.9	-446.9	-19651.8	-54747.8	1143828.0
	-8867.0	8258.4	-620.1	-21277.3	-126819.3	1077802.6
154.	-7212.2	3025.7	-399.6	-16469.8	-38467.8	1357839.5
	-8867.0	3189.0	-553.6	-18217.8	-104271.1	1297626.4
192.	-7212.2	-2010.7	-349.5	-13297.2	-24062.1	1377172.0
	-8867.0	-1826.7	-491.3	-15168.7	-84206.4	1323644.4
231.	-7212.2	-6996.0	-297.4	-10134.1	-11624.0	1203922.9
	-8867.0	-6795.0	-435.3	-12129.9	-66420.8	1157803.7
269.	-7212.2	-11937.8	-243.5	-6980.2	-1225.2	839913.6
	-8867.0	-11723.3	-387.3	-9101.6	-50637.9	801789.7
308.	-7212.2	-16845.2	-187.8	-3835.8	7069.0	286645.6
	-8867.0	-16620.2	-348.3	-6083.6	-36531.1	256978.5

Asta	243	nod	133	129		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	100.8	18181.9	-3696.6	-315617.3	-269520.0	126217.1
	-1794.7	17846.3	3668.2	-315470.3	458452.0	162446.8
45.	100.8	13950.2	-3037.6	-315547.1	-119659.2	843174.5
	-1794.7	13653.6	3152.9	-315415.6	306646.6	865340.5
89.	100.8	9437.9	-2430.6	-315719.1	1978.9	1365359.8
	-1794.7	9174.2	2691.3	-315603.0	176649.8	1375065.9
134.	100.8	4630.6	-1878.1	-316133.5	97776.9	1679945.1
	-1794.7	4393.6	2292.5	-316032.6	65852.5	1678519.5
178.	100.8	-485.4	-1379.9	-316790.1	170169.0	1773476.3
	-1794.7	-702.2	1962.1	-316704.5	-28683.0	1761963.9
223.	100.8	-5923.3	-933.4	-317689.0	221528.5	1631900.9
	-1794.7	-6126.2	1702.1	-317618.6	-110063.9	1611061.3
267.	100.8	-11695.5	-533.6	-318830.2	254055.6	1240596.3
	-1794.7	-11890.7	1511.0	-318774.9	-181406.9	1210908.7
312.	100.8	-17813.9	-172.7	-320213.6	269664.6	584397.7
	-1794.7	-18007.3	1383.6	-320173.5	-245679.2	546072.0
357.	100.8	-24289.6	159.6	-321839.4	269871.3	-352374.0
	-1794.7	-24486.7	1311.2	-321814.2	-305538.2	-399379.9

Asta	244	nod	134	128		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-533.8	17833.7	-788.6	253095.6	-11178.0	132171.6
	-230.3	17941.1	1596.6	243016.5	134277.9	115864.5
45.	-533.8	13645.5	-540.2	252811.5	18483.0	834368.1
	-230.3	13716.9	1370.2	242691.3	68300.7	822005.1
89.	-533.8	9234.3	-276.8	252721.0	36745.5	1345012.2
	-230.3	9281.0	1179.2	242551.8	11633.9	1335239.9
134.	-533.8	4586.1	3.2	252824.0	42903.2	1653854.0
	-230.3	4619.3	1025.5	242598.0	-37348.6	1645819.1

Progetto esecutivo

Relazione Tecnica e di Calcolo - Tabulati struttura esistente

178.	-533.8	-312.6	300.6	253120.7	36199.7	1750029.3
	-230.3	-281.5	909.2	242830.0	-80317.3	1743384.5
223.	-533.8	-5474.9	615.5	253610.9	15853.3	1622080.5
	-230.3	-5434.4	828.8	243247.6	-118912.8	1616988.9
267.	-533.8	-10913.5	947.8	254294.7	-18917.3	1257976.6
	-230.3	-10852.0	781.2	243851.0	-154671.3	1255114.7
312.	-533.8	-16640.5	1296.6	255172.1	-68867.6	645134.0
	-230.3	-16546.4	761.5	244640.1	-188950.4	645693.7
357.	-533.8	-22667.6	1660.5	256243.1	-134702.6	-229562.6
	-230.3	-22529.5	763.1	245614.9	-222854.7	-223874.0
Asta	245	nodì	147	114		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-4634.3	21889.4	5632.4	362337.9	790270.7	-386829.5
	-4526.5	21967.3	5510.8	345791.4	786685.2	-407457.1
76.	-4634.3	16767.8	4289.1	354972.6	413389.9	1083524.9
	-4526.5	16829.4	4108.3	338690.5	421617.3	1068200.3
152.	-4634.3	11565.6	3043.9	348350.3	135287.4	2161931.0
	-4526.5	11611.6	2856.3	332297.9	157874.9	2150690.0
228.	-4634.3	6176.2	1941.2	342470.9	-53294.5	2838198.7
	-4526.5	6207.9	1803.8	326613.7	-17970.6	2829899.4
304.	-4634.3	493.8	1008.1	337334.5	-164336.3	3094061.8
	-4526.5	513.3	981.7	321637.9	-122387.8	3087691.9
380.	-4634.3	-5586.8	254.5	332941.1	-211222.5	2903227.7
	-4526.5	-5577.0	402.5	317370.4	-173490.4	2897948.9
456.	-4634.3	-12170.1	-327.3	329290.5	-207422.4	2231427.6
	-4526.5	-12167.1	60.2	313811.4	-189641.5	2226611.9
532.	-4634.3	-19360.1	-762.1	326383.0	-165172.2	1036466.6
	-4526.5	-19360.6	-69.4	310960.7	-188059.0	1031724.0
609.	-4634.3	-27259.9	-1092.2	324218.4	-94155.0	-731726.2
	-4526.5	-27260.4	-28.8	308818.4	-183419.7	-736528.2
Asta	246	nodì	148	147		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-6852.9	9115.1	674.0	-184579.6	277701.7	287036.6
	-6861.8	9187.7	977.7	-183646.6	219681.8	245184.8
39.	-6852.9	6346.7	218.6	-187676.9	260097.0	588417.6
	-6861.8	6417.2	363.2	-186606.0	193404.1	549363.7
78.	-6852.9	3613.1	-295.7	-190890.1	261415.3	782529.7
	-6861.8	3679.9	-290.6	-189680.5	191865.3	746159.8
117.	-6852.9	908.2	-864.0	-194219.2	283864.1	870609.7
	-6861.8	969.9	-980.3	-192870.1	216538.0	836751.0
156.	-6852.9	-1773.2	-1479.7	-197664.3	329424.6	853673.5
	-6861.8	-1717.7	-1700.8	-196174.8	268729.3	822104.4
195.	-6852.9	-4435.9	-2134.4	-201225.4	399788.0	732541.8
	-6861.8	-4387.4	-2445.1	-199594.5	349509.5	703002.9
234.	-6852.9	-7083.7	-2818.5	-204902.4	496292.6	507867.5
	-6861.8	-7042.9	-3204.4	-203129.3	459641.4	480070.6
273.	-6852.9	-9720.0	-3520.3	-208695.4	619860.5	180162.0
	-6861.8	-9687.3	-3968.0	-206779.2	599508.6	153798.8
312.	-6852.9	-12347.4	-4226.7	-212604.3	770934.9	-250178.2
	-6861.8	-12323.0	-4723.6	-210544.2	769044.6	-275428.1
Asta	247	nodì	136	148		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1510.3	18288.4	-2471.6	-525180.3	-521483.1	-705248.9
	-1749.6	17983.2	-194.7	-496942.5	-325279.7	-677992.9
45.	-1510.3	14362.5	-2284.1	-525616.7	-415742.3	21798.1
	-1749.6	14086.4	-475.3	-497384.5	-310447.2	36117.3
89.	-1510.3	10558.5	-2164.9	-526457.8	-316896.3	576619.4
	-1749.6	10307.3	-788.8	-498209.6	-282426.9	579207.5
134.	-1510.3	6873.2	-2127.9	-527703.9	-221575.4	964585.5
	-1749.6	6642.3	-1146.4	-499417.9	-239490.9	956449.9
178.	-1510.3	3301.3	-2183.1	-529354.8	-125877.4	1190876.8
	-1749.6	3086.2	-1557.0	-501009.3	-179464.4	1172822.4
223.	-1510.3	-164.7	-2336.4	-531410.5	-25547.8	1260386.7
	-1749.6	-368.4	-2026.2	-502984.0	-99852.1	1233017.8
267.	-1510.3	-3534.6	-2589.6	-533871.1	83840.7	1177624.0
	-1749.6	-3731.1	-2556.9	-505341.8	2034.4	1141352.6
312.	-1510.3	-6820.3	-2940.6	-536736.6	206707.4	946616.3
	-1749.6	-7013.4	-3149.3	-508082.8	128950.1	901676.3
357.	-1510.3	-10035.7	-3383.1	-540006.9	347284.6	570812.0
	-1749.6	-10228.7	-3800.5	-511207.0	283589.0	517280.0
Asta	249	nodì	27	25		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	589.0	1468.9	-193.9	1740.0	-37417.9	-179967.7
	552.3	1471.6	-411.5	-2807.3	-70130.9	-180166.5
39.	589.0	1347.3	-193.9	1740.0	-29855.6	-125051.8
	552.3	1350.0	-411.5	-2807.3	-54084.1	-125145.3
78.	589.0	1225.6	-193.9	1740.0	-22293.3	-74881.3
	552.3	1228.3	-411.5	-2807.3	-38037.4	-74869.6
117.	589.0	1103.9	-193.9	1740.0	-14731.0	-29456.4
	552.3	1106.6	-411.5	-2807.3	-21990.7	-29339.5
156.	589.0	982.2	-193.9	1740.0	-7168.6	11222.9
	552.3	984.9	-411.5	-2807.3	-5943.9	11445.1
195.	589.0	860.5	-193.9	1740.0	393.7	47156.8
	552.3	863.2	-411.5	-2807.3	10102.8	47484.2
234.	589.0	738.9	-193.9	1740.0	7956.0	78345.1
	552.3	741.6	-411.5	-2807.3	26149.5	78777.8
273.	589.0	617.2	-193.9	1740.0	15518.3	104787.9
	552.3	619.9	-411.5	-2807.3	42196.3	105325.9
312.	589.0	495.5	-193.9	1740.0	23080.6	126485.2
	552.3	498.2	-411.5	-2807.3	58243.0	127128.4

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Asta	250	nod	28	26		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1313.2	4128.3	-539.0	-1509.1	-97832.3	-281480.7
	-970.0	4106.1	162.8	8013.9	16765.9	-280949.0
39.	-1313.2	3311.6	-539.0	-1509.1	-76811.5	-136401.7
	-970.0	3289.4	162.8	8013.9	10418.2	-136737.8
78.	-1313.2	2495.0	-539.0	-1509.1	-55790.6	-23172.4
	-970.0	2472.7	162.8	8013.9	4070.5	-24376.4
117.	-1313.2	1678.3	-539.0	-1509.1	-34769.8	58207.1
	-970.0	1656.1	162.8	8013.9	-2277.2	56135.3
156.	-1313.2	861.7	-539.0	-1509.1	-13748.9	107736.9
	-970.0	839.4	162.8	8013.9	-8624.9	104797.3
195.	-1313.2	45.0	-539.0	-1509.1	7271.9	125416.9
	-970.0	22.8	162.8	8013.9	-14972.6	121609.5
234.	-1313.2	-771.7	-539.0	-1509.1	28292.8	111247.2
	-970.0	-793.9	162.8	8013.9	-21320.3	106572.0
273.	-1313.2	-1588.3	-539.0	-1509.1	49313.6	65227.8
	-970.0	-1610.6	162.8	8013.9	-27668.0	59684.7
312.	-1313.2	-2405.0	-539.0	-1509.1	70334.5	-12641.4
	-970.0	-2427.2	162.8	8013.9	-34015.7	-19052.3

Asta	252	nod	150	48		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-34043.3	-1100.1	-1526.8	-33393.1	-151601.7	278089.8
	-33284.5	-598.8	-1528.5	-35324.0	-154923.3	197583.3
21.	-33958.7	-1100.1	-1526.8	-33393.1	-119158.1	254713.2
	-33199.9	-598.8	-1528.5	-35324.0	-122441.7	184859.5
43.	-33874.1	-1100.1	-1526.8	-33393.1	-86714.5	231336.6
	-33115.3	-598.8	-1528.5	-35324.0	-89960.2	172135.8
64.	-33789.5	-1100.1	-1526.8	-33393.1	-54270.9	207960.0
	-33030.7	-598.8	-1528.5	-35324.0	-57478.6	159412.1
85.	-33704.9	-1100.1	-1526.8	-33393.1	-21827.3	184583.4
	-32946.1	-598.8	-1528.5	-35324.0	-24997.1	146688.4
106.	-33620.3	-1100.1	-1526.8	-33393.1	10616.3	161206.8
	-32861.5	-598.8	-1528.5	-35324.0	7484.5	133964.6
128.	-33535.7	-1100.1	-1526.8	-33393.1	43059.9	137830.2
	-32776.9	-598.8	-1528.5	-35324.0	39966.0	121240.9
149.	-33451.1	-1100.1	-1526.8	-33393.1	75503.5	114453.6
	-32692.3	-598.8	-1528.5	-35324.0	72447.6	108517.2
170.	-33366.5	-1100.1	-1526.8	-33393.1	107947.1	91077.0
	-32607.7	-598.8	-1528.5	-35324.0	104929.1	95793.5

Asta	254	nod	152	56		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-56261.4	-1525.3	705.4	-31170.4	134042.2	362744.5
	-55601.0	-1751.4	582.0	-32679.0	128619.3	334256.6
21.	-56176.8	-1525.3	705.4	-31170.4	119051.7	330331.7
	-55516.4	-1751.4	582.0	-32679.0	116252.0	297039.3
43.	-56092.2	-1525.3	705.4	-31170.4	104061.3	297918.9
	-55431.8	-1751.4	582.0	-32679.0	103884.7	259821.9
64.	-56007.6	-1525.3	705.4	-31170.4	89070.8	265506.1
	-55347.2	-1751.4	582.0	-32679.0	91517.5	222604.6
85.	-55923.0	-1525.3	705.4	-31170.4	74080.4	233093.3
	-55262.6	-1751.4	582.0	-32679.0	79150.2	185387.3
106.	-55838.4	-1525.3	705.4	-31170.4	59089.9	200680.6
	-55178.0	-1751.4	582.0	-32679.0	66782.9	148170.0
128.	-55753.8	-1525.3	705.4	-31170.4	44099.5	168267.8
	-55093.4	-1751.4	582.0	-32679.0	54415.6	110952.7
149.	-55669.2	-1525.3	705.4	-31170.4	29109.0	135855.0
	-55008.8	-1751.4	582.0	-32679.0	42048.3	73735.4
170.	-55584.6	-1525.3	705.4	-31170.4	14118.5	103442.2
	-54924.2	-1751.4	582.0	-32679.0	29681.0	36518.1

Asta	256	nod	150	152		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	674.6	5786.1	-339.7	3781.0	-53351.8	-350700.6
	609.6	5810.6	-308.4	17124.9	-48687.4	-354331.5
39.	674.6	4506.2	-339.7	3781.0	-40104.5	-150000.5
	609.6	4530.6	-308.4	17124.9	-36658.3	-152678.0
78.	674.6	3226.2	-339.7	3781.0	-26857.3	780.4
	609.6	3250.6	-308.4	17124.9	-24629.2	-943.7
117.	674.6	1946.2	-339.7	3781.0	-13610.0	101642.1
	609.6	1970.7	-308.4	17124.9	-12600.2	100871.3
156.	674.6	666.2	-339.7	3781.0	-362.7	152584.5
	609.6	690.7	-308.4	17124.9	-571.1	152767.1
195.	674.6	-613.8	-339.7	3781.0	12884.5	153607.8
	609.6	-589.3	-308.4	17124.9	11458.0	154743.7
234.	674.6	-1893.7	-339.7	3781.0	26131.8	104711.8
	609.6	-1869.3	-308.4	17124.9	23487.1	106801.1
273.	674.6	-3173.7	-339.7	3781.0	39379.1	5896.6
	609.6	-3149.3	-308.4	17124.9	35516.1	8939.2
312.	674.6	-4453.7	-339.7	3781.0	52626.3	-142837.9
	609.6	-4429.2	-308.4	17124.9	47545.2	-138841.8

Asta	257	nod	148	106		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-19150.8	-4205.0	5342.6	69582.9	283775.4	-355427.3
	-19416.4	-4630.3	5112.2	63907.2	272095.2	-327560.3
10.	-19150.8	-4205.0	5342.6	69582.9	230349.4	-397477.4
	-19416.4	-4630.3	5112.2	63907.2	220972.9	-373862.9
20.	-19150.8	-4205.0	5342.6	69582.9	176923.4	-439527.4
	-19416.4	-4630.3	5112.2	63907.2	169850.6	-420165.4
30.	-19150.8	-4205.0	5342.6	69582.9	123497.4	-481577.5

Progetto esecutivo

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	-19416.4	-4630.3	5112.2	63907.2	118728.4	-466467.9
40.	-19150.8	-4205.0	5342.6	69582.9	70071.3	-523627.6
	-19416.4	-4630.3	5112.2	63907.2	67606.1	-512770.4
50.	-19150.8	-4205.0	5342.6	69582.9	16645.3	-565677.6
	-19416.4	-4630.3	5112.2	63907.2	16483.9	-559072.9
60.	-19150.8	-4205.0	5342.6	69582.9	-36780.7	-607727.7
	-19416.4	-4630.3	5112.2	63907.2	-34638.4	-605375.4
70.	-19150.8	-4205.0	5342.6	69582.9	-90206.7	-649777.8
	-19416.4	-4630.3	5112.2	63907.2	-85760.6	-651677.9
80.	-19150.8	-4205.0	5342.6	69582.9	-143632.8	-691827.8
	-19416.4	-4630.3	5112.2	63907.2	-136882.9	-697980.4
Asta	258	nod	147	105		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-34236.8	-9937.0	-2218.6	-19335.9	136651.3	-574942.2
	-34290.3	-10156.6	-2335.3	-17640.6	132029.0	-556335.7
10.	-34236.8	-9937.0	-2218.6	-19335.9	158837.2	-674311.8
	-34290.3	-10156.6	-2335.3	-17640.6	155381.8	-657901.6
20.	-34236.8	-9937.0	-2218.6	-19335.9	181023.0	-773681.5
	-34290.3	-10156.6	-2335.3	-17640.6	178734.6	-759467.6
30.	-34236.8	-9937.0	-2218.6	-19335.9	203208.9	-873051.1
	-34290.3	-10156.6	-2335.3	-17640.6	202087.4	-861033.6
40.	-34236.8	-9937.0	-2218.6	-19335.9	225394.7	-972420.8
	-34290.3	-10156.6	-2335.3	-17640.6	225440.2	-962599.5
50.	-34236.8	-9937.0	-2218.6	-19335.9	247580.6	-1071790.4
	-34290.3	-10156.6	-2335.3	-17640.6	248793.0	-1064165.5
60.	-34236.8	-9937.0	-2218.6	-19335.9	269766.4	-1171160.1
	-34290.3	-10156.6	-2335.3	-17640.6	272145.8	-1165731.5
70.	-34236.8	-9937.0	-2218.6	-19335.9	291952.3	-1270529.7
	-34290.3	-10156.6	-2335.3	-17640.6	295498.6	-1267297.5
80.	-34236.8	-9937.0	-2218.6	-19335.9	314138.1	-1369899.3
	-34290.3	-10156.6	-2335.3	-17640.6	318851.4	-1368863.4

SOLLECITAZIONI ASTE

CASO DI CARICO : 3 SLU VENTTOY

COMBINAZIONE

N. 11 CONDIZIONI ANALISI STATICA

1	Peso_proprio	+	1.30
2	Pp_solai	+	1.30
3	Perm_tetto	+	1.50
4	Muri_perimetrali	+	1.50
5	Muri_interni	+	1.50
6	Sottofondi	+	1.50
7	Cl_var_scuola	+	1.50
8	Neve	+	1.50
9	Pp_scala	+	1.30
10	Var_scala	+	1.50
36	Autovett_025_(Y)	+-	1.50

1)	+1.30*c001	+1.30*c002	+1.50*c003	+1.50*c004	+1.50*c005
)	+1.50*c006	+1.50*c007	+1.50*c008	+1.30*c009	+1.50*c010
)	+1.50*c036				
2)	+1.30*c001	+1.30*c002	+1.50*c003	+1.50*c004	+1.50*c005
)	+1.50*c006	+1.50*c007	+1.50*c008	+1.30*c009	+1.50*c010
)	-1.50*c036				

Unità di misura: Prog e frecce [cm];NORM,TTY,TZZ [daN]

MZZ,MYT,TORS [daNcm]

Asta	1	nod	1	2		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-28658.9	-1925.4	2070.8	264.1	304331.3	366076.1
	-28664.0	-1925.6	2054.8	19.5	302580.8	366079.9
43.	-28489.7	-1925.4	2070.8	264.1	216320.4	284246.2
	-28494.8	-1925.6	2054.8	19.5	215252.5	284243.7
85.	-28320.5	-1925.4	2070.8	264.1	128309.4	202416.3
	-28325.5	-1925.6	2054.8	19.5	127924.3	202407.6
128.	-28151.3	-1925.4	2070.8	264.1	40298.4	120586.4
	-28156.3	-1925.6	2054.8	19.5	40596.1	120571.4
170.	-27982.1	-1925.4	2070.8	264.1	-47712.6	38756.5
	-27987.1	-1925.6	2054.8	19.5	-46732.2	38735.2
213.	-27812.9	-1925.4	2070.8	264.1	-135723.5	-43073.4
	-27817.9	-1925.6	2054.8	19.5	-134060.4	-43100.9
255.	-27643.7	-1925.4	2070.8	264.1	-223734.5	-124903.3
	-27648.7	-1925.6	2054.8	19.5	-221388.7	-124937.1
298.	-27474.5	-1925.4	2070.8	264.1	-311745.5	-206733.2
	-27479.5	-1925.6	2054.8	19.5	-308716.9	-206773.3
340.	-27305.3	-1925.4	2070.8	264.1	-399756.4	-288563.1
	-27310.3	-1925.6	2054.8	19.5	-396045.1	-288609.4
Asta	2	nod	3	4		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-38016.9	-661.6	-33.8	-538.2	-27775.0	127068.7
	-38017.0	-661.8	-29.9	-698.9	-27432.4	127078.4
43.	-37847.7	-661.6	-33.8	-538.2	-26336.8	98950.0
	-37847.8	-661.8	-29.9	-698.9	-26162.5	98953.4
85.	-37678.5	-661.6	-33.8	-538.2	-24898.7	70831.4
	-37678.6	-661.8	-29.9	-698.9	-24892.6	70828.5

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128.	-37509.3	-661.6	-33.8	-538.2	-23460.5	42712.8
	-37509.4	-661.8	-29.9	-698.9	-23622.7	42703.6
170.	-37340.1	-661.6	-33.8	-538.2	-22022.4	14594.2
	-37340.2	-661.8	-29.9	-698.9	-22352.8	14578.6
213.	-37170.9	-661.6	-33.8	-538.2	-20584.2	-13524.5
	-37171.0	-661.8	-29.9	-698.9	-21082.9	-13546.3
255.	-37001.7	-661.6	-33.8	-538.2	-19146.1	-41643.1
	-37001.8	-661.8	-29.9	-698.9	-19813.1	-41671.2
298.	-36832.5	-661.6	-33.8	-538.2	-17707.9	-69761.7
	-36832.6	-661.8	-29.9	-698.9	-18543.2	-69796.1
340.	-36663.3	-661.6	-33.8	-538.2	-16269.8	-97880.3
	-36663.4	-661.8	-29.9	-698.9	-17273.3	-97921.1

Asta	3	nodì	5	6		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-39915.7	-400.2	-19.5	1288.1	-14067.6	84882.2
	-39915.7	-400.4	-9.5	1414.5	-13503.2	84895.3
43.	-39746.5	-400.2	-19.5	1288.1	-13240.7	67873.2
	-39746.5	-400.4	-9.5	1414.5	-13098.2	67879.5
85.	-39577.3	-400.2	-19.5	1288.1	-12413.7	50864.2
	-39577.3	-400.4	-9.5	1414.5	-12693.3	50863.7
128.	-39408.1	-400.2	-19.5	1288.1	-11586.7	33855.1
	-39408.1	-400.4	-9.5	1414.5	-12288.3	33847.9
170.	-39238.9	-400.2	-19.5	1288.1	-10759.8	16846.1
	-39238.9	-400.4	-9.5	1414.5	-11883.3	16832.2
213.	-39069.7	-400.2	-19.5	1288.1	-9932.8	-162.9
	-39069.7	-400.4	-9.5	1414.5	-11478.3	-183.6
255.	-38900.5	-400.2	-19.5	1288.1	-9105.9	-17171.9
	-38900.5	-400.4	-9.5	1414.5	-11073.4	-17199.4
298.	-38731.3	-400.2	-19.5	1288.1	-8278.9	-34181.0
	-38731.3	-400.4	-9.5	1414.5	-10668.4	-34215.2
340.	-38562.1	-400.2	-19.5	1288.1	-7452.0	-51190.0
	-38562.1	-400.4	-9.5	1414.5	-10263.4	-51230.9

Asta	4	nodì	7	8		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-36464.2	406.6	-1.8	1923.2	-4995.0	-60665.2
	-36464.0	406.4	-3.0	2081.2	-4952.3	-60651.3
43.	-36295.0	406.6	-1.8	1923.2	-4918.4	-43386.3
	-36294.8	406.4	-3.0	2081.2	-4826.0	-43379.0
85.	-36125.8	406.6	-1.8	1923.2	-4841.7	-26107.4
	-36125.6	406.4	-3.0	2081.2	-4699.8	-26106.7
128.	-35956.6	406.6	-1.8	1923.2	-4765.1	-8828.5
	-35956.4	406.4	-3.0	2081.2	-4573.5	-8834.4
170.	-35787.4	406.6	-1.8	1923.2	-4688.5	8450.4
	-35787.2	406.4	-3.0	2081.2	-4447.2	8438.0
213.	-35618.2	406.6	-1.8	1923.2	-4611.9	25729.3
	-35618.0	406.4	-3.0	2081.2	-4321.0	25710.3
255.	-35449.0	406.6	-1.8	1923.2	-4535.3	43008.2
	-35448.8	406.4	-3.0	2081.2	-4194.7	42982.6
298.	-35279.8	406.6	-1.8	1923.2	-4458.6	60287.1
	-35279.6	406.4	-3.0	2081.2	-4068.4	60254.9
340.	-35110.6	406.6	-1.8	1923.2	-4382.0	77566.0
	-35110.4	406.4	-3.0	2081.2	-3942.2	77527.2

Asta	5	nodì	9	10		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-22187.6	1226.4	1652.2	3575.7	263294.5	-216865.0
	-22185.2	1226.4	1647.9	3767.7	262131.6	-216883.9
43.	-22018.4	1226.4	1652.2	3575.7	193074.2	-164742.3
	-22016.0	1226.4	1647.9	3767.7	192094.5	-164761.6
85.	-21849.2	1226.4	1652.2	3575.7	122854.0	-112619.6
	-21846.8	1226.4	1647.9	3767.7	122057.4	-112639.3
128.	-21680.0	1226.4	1652.2	3575.7	52633.8	-60496.9
	-21677.6	1226.4	1647.9	3767.7	52020.3	-60517.0
170.	-21510.8	1226.4	1652.2	3575.7	-17586.4	-8374.2
	-21508.4	1226.4	1647.9	3767.7	-18016.9	-8394.7
213.	-21341.6	1226.4	1652.2	3575.7	-87806.7	43748.5
	-21339.2	1226.4	1647.9	3767.7	-88054.0	43727.6
255.	-21172.4	1226.4	1652.2	3575.7	-158026.9	95871.2
	-21170.0	1226.4	1647.9	3767.7	-158091.1	95849.9
298.	-21003.2	1226.4	1652.2	3575.7	-228247.1	147993.9
	-21000.7	1226.4	1647.9	3767.7	-228128.3	147972.2
340.	-20834.0	1226.4	1652.2	3575.7	-298467.3	200116.6
	-20831.5	1226.4	1647.9	3767.7	-298165.4	200094.4

Asta	6	nodì	11	12		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-35613.3	2111.5	-746.1	-2070.2	-108882.6	-361832.2
	-35610.4	2111.3	-750.4	-2320.0	-109983.5	-361858.2
43.	-35444.1	2111.5	-746.1	-2070.2	-77174.4	-272095.3
	-35441.2	2111.3	-750.4	-2320.0	-78092.1	-272126.1
85.	-35274.9	2111.5	-746.1	-2070.2	-45466.2	-182358.3
	-35272.0	2111.3	-750.4	-2320.0	-46200.7	-182394.0
128.	-35105.7	2111.5	-746.1	-2070.2	-13758.0	-92621.3
	-35102.8	2111.3	-750.4	-2320.0	-14309.3	-92661.8
170.	-34936.5	2111.5	-746.1	-2070.2	17950.1	-2884.4
	-34933.6	2111.3	-750.4	-2320.0	17582.0	-2929.7
213.	-34767.3	2111.5	-746.1	-2070.2	49658.3	86852.6
	-34764.4	2111.3	-750.4	-2320.0	49473.4	86802.4
255.	-34598.1	2111.5	-746.1	-2070.2	81366.5	176589.6
	-34595.2	2111.3	-750.4	-2320.0	81364.8	176534.5
298.	-34428.9	2111.5	-746.1	-2070.2	113074.6	266326.6
	-34425.9	2111.3	-750.4	-2320.0	113256.2	266266.7

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340.	-34259.7 -34256.7	2111.5 2111.3	-746.1 -750.4	-2070.2 -2320.0	144782.8 145147.6	356063.5 355998.8
Asta	7	nodì	13	14		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-33723.9 -33723.3	1039.0 1039.1	-21.4 -30.8	-662.2 -1003.0	6190.4 4562.3	-150200.1 -150251.4
43.	-33554.7 -33554.1	1039.0 1039.1	-21.4 -30.8	-662.2 -1003.0	7099.2 5870.9	-106041.9 -106089.6
85.	-33385.5 -33384.9	1039.0 1039.1	-21.4 -30.8	-662.2 -1003.0	8008.0 7179.4	-61883.6 -61927.7
128.	-33216.3 -33215.7	1039.0 1039.1	-21.4 -30.8	-662.2 -1003.0	8916.8 8488.0	-17725.4 -17765.9
170.	-33047.1 -33046.5	1039.0 1039.1	-21.4 -30.8	-662.2 -1003.0	9825.6 9796.5	26432.9 26395.9
213.	-32877.9 -32877.3	1039.0 1039.1	-21.4 -30.8	-662.2 -1003.0	10734.3 11105.0	70591.1 70557.7
255.	-32708.7 -32708.1	1039.0 1039.1	-21.4 -30.8	-662.2 -1003.0	11643.1 12413.6	114749.4 114719.5
298.	-32539.5 -32538.9	1039.0 1039.1	-21.4 -30.8	-662.2 -1003.0	12551.9 13722.1	158907.6 158881.3
340.	-32370.3 -32369.7	1039.0 1039.1	-21.4 -30.8	-662.2 -1003.0	13460.7 15030.6	203065.9 203043.1
Asta	8	nodì	15	16		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-38782.9 -38782.4	701.3 701.4	11.5 1.6	2430.4 2497.8	8890.9 8265.4	-97127.4 -97167.1
43.	-38613.7 -38613.2	701.3 701.4	11.5 1.6	2430.4 2497.8	8401.2 8195.8	-67320.3 -67359.6
85.	-38444.5 -38444.0	701.3 701.4	11.5 1.6	2430.4 2497.8	7911.6 8126.1	-37513.3 -37552.0
128.	-38275.3 -38274.8	701.3 701.4	11.5 1.6	2430.4 2497.8	7422.0 8056.5	-7706.3 -7744.5
170.	-38106.1 -38105.6	701.3 701.4	11.5 1.6	2430.4 2497.8	6932.3 7986.9	22100.8 22063.0
213.	-37936.9 -37936.4	701.3 701.4	11.5 1.6	2430.4 2497.8	6442.7 7917.3	51907.8 51870.6
255.	-37767.7 -37767.2	701.3 701.4	11.5 1.6	2430.4 2497.8	5953.1 7847.7	81714.8 81678.1
298.	-37598.5 -37597.9	701.3 701.4	11.5 1.6	2430.4 2497.8	5463.5 7778.1	111521.9 111485.7
340.	-37429.3 -37428.7	701.3 701.4	11.5 1.6	2430.4 2497.8	4973.8 7708.4	141328.9 141293.2
Asta	9	nodì	17	18		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-38844.0 -38843.9	-233.4 -233.4	18.0 12.4	4876.4 5566.2	10720.3 10525.7	61150.8 61115.2
43.	-38674.8 -38674.7	-233.4 -233.4	18.0 12.4	4876.4 5566.2	9956.6 9999.6	51230.6 51194.3
85.	-38505.6 -38505.5	-233.4 -233.4	18.0 12.4	4876.4 5566.2	9192.9 9473.5	41310.4 41273.5
128.	-38336.4 -38336.3	-233.4 -233.4	18.0 12.4	4876.4 5566.2	8429.3 8947.4	31390.2 31352.7
170.	-38167.2 -38167.1	-233.4 -233.4	18.0 12.4	4876.4 5566.2	7665.6 8421.3	21470.0 21431.9
213.	-37998.0 -37997.8	-233.4 -233.4	18.0 12.4	4876.4 5566.2	6901.9 7895.2	11549.9 11511.1
255.	-37828.7 -37828.6	-233.4 -233.4	18.0 12.4	4876.4 5566.2	6138.2 7369.1	1629.7 1590.2
298.	-37659.5 -37659.4	-233.4 -233.4	18.0 12.4	4876.4 5566.2	5374.6 6843.0	-8290.5 -8330.6
340.	-37490.3 -37490.2	-233.4 -233.4	18.0 12.4	4876.4 5566.2	4610.9 6316.9	-18210.7 -18251.4
Asta	10	nodì	19	20		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-33462.9 -33462.9	-376.0 -376.0	32.3 37.5	7010.4 7471.9	13771.6 14115.8	89294.3 89260.6
43.	-33293.7 -33293.7	-376.0 -376.0	32.3 37.5	7010.4 7471.9	12399.3 12521.2	73315.2 73280.7
85.	-33124.5 -33124.5	-376.0 -376.0	32.3 37.5	7010.4 7471.9	11027.1 10926.7	57336.0 57300.8
128.	-32955.3 -32955.3	-376.0 -376.0	32.3 37.5	7010.4 7471.9	9654.8 9332.1	41356.9 41320.9
170.	-32786.1 -32786.1	-376.0 -376.0	32.3 37.5	7010.4 7471.9	8282.6 7737.6	25377.7 25341.1
213.	-32616.9 -32616.9	-376.0 -376.0	32.3 37.5	7010.4 7471.9	6910.3 6143.0	9398.6 9361.2
255.	-32447.7 -32447.7	-376.0 -376.0	32.3 37.5	7010.4 7471.9	5538.0 4548.4	-6580.6 -6618.7
298.	-32278.5 -32278.5	-376.0 -376.0	32.3 37.5	7010.4 7471.9	4165.8 2953.9	-22559.7 -22598.6
340.	-32109.3 -32109.3	-376.0 -376.0	32.3 37.5	7010.4 7471.9	2793.5 1359.3	-38538.9 -38578.5
Asta	11	nodì	21	22		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-33468.5 -33468.3	-58.1 -58.1	66.9 77.3	8718.4 8439.5	17522.2 17767.7	44344.2 44316.6
43.	-33299.3 -33299.1	-58.1 -58.1	66.9 77.3	8718.4 8439.5	14679.9 14480.5	41875.8 41845.9
85.	-33130.1	-58.1	66.9	8718.4	11837.5	39407.5

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128.	-33129.9	-58.1	77.3	8439.5	11193.4	39375.1
	-32960.8	-58.1	66.9	8718.4	8995.2	36939.1
	-32960.7	-58.1	77.3	8439.5	7906.3	36904.4
170.	-32791.6	-58.1	66.9	8718.4	6152.9	34470.8
	-32791.5	-58.1	77.3	8439.5	4619.1	34433.7
213.	-32622.4	-58.1	66.9	8718.4	3310.5	32002.4
	-32622.3	-58.1	77.3	8439.5	1332.0	31963.0
255.	-32453.2	-58.1	66.9	8718.4	468.2	29534.1
	-32453.1	-58.1	77.3	8439.5	-1955.2	29492.2
298.	-32284.0	-58.1	66.9	8718.4	-2374.1	27065.7
	-32283.9	-58.1	77.3	8439.5	-5242.3	27021.5
340.	-32114.8	-58.1	66.9	8718.4	-5216.5	24597.4
	-32114.7	-58.1	77.3	8439.5	-8529.4	24550.8
Asta	12	nodì	23	24		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-39754.6	-7.0	141.7	7834.8	22875.8	45884.1
	-39753.5	-7.2	146.8	7303.4	22531.6	45882.0
43.	-39585.4	-7.0	141.7	7834.8	16854.3	45586.9
	-39584.3	-7.2	146.8	7303.4	16294.4	45575.0
85.	-39416.2	-7.0	141.7	7834.8	10832.9	45289.7
	-39415.1	-7.2	146.8	7303.4	10057.2	45268.0
128.	-39247.0	-7.0	141.7	7834.8	4811.5	44992.5
	-39245.9	-7.2	146.8	7303.4	3820.0	44960.9
170.	-39077.8	-7.0	141.7	7834.8	-1209.9	44695.3
	-39076.7	-7.2	146.8	7303.4	-2417.2	44653.9
213.	-38908.6	-7.0	141.7	7834.8	-7231.3	44398.1
	-38907.5	-7.2	146.8	7303.4	-8654.4	44346.9
255.	-38739.4	-7.0	141.7	7834.8	-13252.8	44100.9
	-38738.3	-7.2	146.8	7303.4	-14891.6	44039.8
298.	-38570.2	-7.0	141.7	7834.8	-19274.2	43803.7
	-38569.1	-7.2	146.8	7303.4	-21128.8	43732.8
340.	-38401.0	-7.0	141.7	7834.8	-25295.6	43506.5
	-38399.9	-7.2	146.8	7303.4	-27366.0	43425.8
Asta	13	nodì	25	26		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-43342.0	-683.3	87.8	-3507.1	94.8	147302.0
	-43341.8	-683.3	82.8	-3641.2	-721.3	147275.6
43.	-43172.8	-683.3	87.8	-3507.1	-3635.8	118263.4
	-43172.6	-683.3	82.8	-3641.2	-4238.9	118233.7
85.	-43003.6	-683.3	87.8	-3507.1	-7366.4	89224.7
	-43003.4	-683.3	82.8	-3641.2	-7756.5	89191.8
128.	-42834.4	-683.3	87.8	-3507.1	-11097.1	60186.1
	-42834.2	-683.3	82.8	-3641.2	-11274.1	60149.9
170.	-42665.2	-683.3	87.8	-3507.1	-14827.7	31147.5
	-42665.0	-683.3	82.8	-3641.2	-14791.7	31108.0
213.	-42496.0	-683.3	87.8	-3507.1	-18558.3	2108.8
	-42495.8	-683.3	82.8	-3641.2	-18309.3	2066.1
255.	-42326.8	-683.3	87.8	-3507.1	-22288.9	-26929.8
	-42326.6	-683.3	82.8	-3641.2	-21826.9	-26975.8
298.	-42157.6	-683.3	87.8	-3507.1	-26019.5	-55968.5
	-42157.4	-683.3	82.8	-3641.2	-25344.5	-56017.7
340.	-41988.4	-683.3	87.8	-3507.1	-29750.2	-85007.1
	-41988.2	-683.3	82.8	-3641.2	-28862.2	-85059.5
Asta	14	nodì	27	28		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-29146.0	-483.9	-743.5	-6625.2	-85023.3	104666.1
	-29145.8	-483.2	-753.6	-6603.5	-86266.3	104617.3
43.	-28976.8	-483.9	-743.5	-6625.2	-53424.9	84102.0
	-28976.6	-483.2	-753.6	-6603.5	-54238.0	84080.3
85.	-28807.6	-483.9	-743.5	-6625.2	-21826.5	63538.0
	-28807.4	-483.2	-753.6	-6603.5	-22209.6	63543.3
128.	-28638.4	-483.9	-743.5	-6625.2	9771.9	42973.9
	-28638.2	-483.2	-753.6	-6603.5	9818.7	43006.2
170.	-28469.2	-483.9	-743.5	-6625.2	41370.3	22409.9
	-28469.0	-483.2	-753.6	-6603.5	41847.0	22469.2
213.	-28300.0	-483.9	-743.5	-6625.2	72968.7	1845.8
	-28299.8	-483.2	-753.6	-6603.5	73875.4	1932.2
255.	-28130.8	-483.9	-743.5	-6625.2	104567.1	-18718.2
	-28130.6	-483.2	-753.6	-6603.5	105903.7	-18604.8
298.	-27961.6	-483.9	-743.5	-6625.2	136165.5	-39282.3
	-27961.4	-483.2	-753.6	-6603.5	137932.1	-39141.8
340.	-27792.4	-483.9	-743.5	-6625.2	167763.9	-59846.3
	-27792.2	-483.2	-753.6	-6603.5	169960.4	-59678.9
Asta	15	nodì	29	30		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-29650.3	559.1	304.1	-11845.8	48988.1	-63907.0
	-29648.4	560.2	298.0	-12065.5	47792.8	-64078.1
43.	-29481.1	559.1	304.1	-11845.8	36062.2	-40144.2
	-29479.2	560.2	298.0	-12065.5	35127.7	-40268.9
85.	-29311.9	559.1	304.1	-11845.8	23136.3	-16381.5
	-29310.0	560.2	298.0	-12065.5	22462.6	-16459.7
128.	-29142.7	559.1	304.1	-11845.8	10210.4	7381.3
	-29140.8	560.2	298.0	-12065.5	9797.4	7349.5
170.	-28973.5	559.1	304.1	-11845.8	-2715.5	31144.1
	-28971.6	560.2	298.0	-12065.5	-2867.7	31158.7
213.	-28804.2	559.1	304.1	-11845.8	-15641.4	54906.8
	-28802.4	560.2	298.0	-12065.5	-15532.9	54967.8
255.	-28635.0	559.1	304.1	-11845.8	-28567.3	78669.6
	-28633.2	560.2	298.0	-12065.5	-28198.0	78777.0
298.	-28465.8	559.1	304.1	-11845.8	-41493.2	102432.3

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340.	-28464.0	560.2	298.0	-12065.5	-40863.1	102586.2
	-28296.6	559.1	304.1	-11845.8	-54419.1	126195.1
	-28294.8	560.2	298.0	-12065.5	-53528.3	126395.4

Asta	16	nod	31	32		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-31818.3	-1401.7	166.2	12887.3	2615.8	235851.6
	-31835.6	-1400.6	164.4	13083.8	3107.6	235668.6
43.	-31649.1	-1401.7	166.2	12887.3	-4448.7	176277.7
	-31666.4	-1400.6	164.4	13083.8	-3877.6	176142.5
85.	-31479.9	-1401.7	166.2	12887.3	-11513.2	116703.8
	-31497.2	-1400.6	164.4	13083.8	-10862.8	116616.4
128.	-31310.7	-1401.7	166.2	12887.3	-18577.7	57129.9
	-31328.0	-1400.6	164.4	13083.8	-17848.0	57090.3
170.	-31141.5	-1401.7	166.2	12887.3	-25642.2	-2444.0
	-31158.8	-1400.6	164.4	13083.8	-24833.2	-2435.8
213.	-30972.3	-1401.7	166.2	12887.3	-32706.7	-62017.9
	-30989.6	-1400.6	164.4	13083.8	-31818.4	-61961.9
255.	-30803.1	-1401.7	166.2	12887.3	-39771.1	-121591.8
	-30820.4	-1400.6	164.4	13083.8	-38803.6	-121488.0
298.	-30633.9	-1401.7	166.2	12887.3	-46835.6	-181165.7
	-30651.2	-1400.6	164.4	13083.8	-45788.8	-181014.1
340.	-30464.7	-1401.7	166.2	12887.3	-53900.1	-240739.6
	-30482.0	-1400.6	164.4	13083.8	-52774.0	-240540.2

Asta	17	nod	104	110		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-25304.0	2388.1	368.9	7181.4	65439.4	-393881.6
	-25303.7	2388.2	362.3	7320.5	64063.9	-393797.1
43.	-25134.7	2388.1	368.9	7181.4	49763.2	-292388.0
	-25134.5	2388.2	362.3	7320.5	48666.7	-292298.6
85.	-24965.5	2388.1	368.9	7181.4	34087.1	-190894.4
	-24965.3	2388.2	362.3	7320.5	33269.6	-190800.1
128.	-24796.3	2388.1	368.9	7181.4	18411.0	-89400.7
	-24796.1	2388.2	362.3	7320.5	17872.5	-89301.6
170.	-24627.1	2388.1	368.9	7181.4	2734.8	12092.9
	-24626.9	2388.2	362.3	7320.5	2475.3	12196.9
213.	-24457.9	2388.1	368.9	7181.4	-12941.3	113586.5
	-24457.7	2388.2	362.3	7320.5	-12921.8	113695.4
255.	-24288.7	2388.1	368.9	7181.4	-28617.4	215080.2
	-24288.5	2388.2	362.3	7320.5	-28318.9	215193.9
298.	-24119.5	2388.1	368.9	7181.4	-44293.5	316573.8
	-24119.3	2388.2	362.3	7320.5	-43716.1	316692.5
340.	-23950.3	2388.1	368.9	7181.4	-59969.7	418067.4
	-23950.1	2388.2	362.3	7320.5	-59113.2	418191.0

Asta	18	nod	35	36		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-19994.7	996.2	-431.6	9690.2	-57158.5	-148170.0
	-20000.0	994.7	-436.1	9681.7	-58311.1	-147760.6
43.	-19825.5	996.2	-431.6	9690.2	-38814.4	-105832.4
	-19830.8	994.7	-436.1	9681.7	-39776.7	-105487.9
85.	-19656.3	996.2	-431.6	9690.2	-20470.3	-63494.8
	-19661.6	994.7	-436.1	9681.7	-21242.3	-63215.1
128.	-19487.1	996.2	-431.6	9690.2	-2126.3	-21157.1
	-19492.4	994.7	-436.1	9681.7	-2707.9	-20942.4
170.	-19317.9	996.2	-431.6	9690.2	16217.8	21180.5
	-19323.2	994.7	-436.1	9681.7	15826.5	21330.4
213.	-19148.7	996.2	-431.6	9690.2	34561.9	63518.1
	-19154.0	994.7	-436.1	9681.7	34360.9	63603.1
255.	-18979.5	996.2	-431.6	9690.2	52906.0	105855.7
	-18984.8	994.7	-436.1	9681.7	52895.3	105875.9
298.	-18810.3	996.2	-431.6	9690.2	71250.0	148193.3
	-18815.6	994.7	-436.1	9681.7	71429.7	148148.7
340.	-18641.1	996.2	-431.6	9690.2	89594.1	190531.0
	-18646.4	994.7	-436.1	9681.7	89964.1	190421.4

Asta	19	nod	37	38		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-34235.8	-99.9	-28.5	18542.2	-5240.2	33292.4
	-34236.4	-101.8	-36.7	18724.4	-6412.7	33748.4
43.	-34066.6	-99.9	-28.5	18542.2	-4029.0	29046.4
	-34067.2	-101.8	-36.7	18724.4	-4852.8	29420.5
85.	-33897.4	-99.9	-28.5	18542.2	-2817.7	24800.3
	-33898.0	-101.8	-36.7	18724.4	-3292.8	25092.6
128.	-33728.2	-99.9	-28.5	18542.2	-1606.5	20554.2
	-33728.8	-101.8	-36.7	18724.4	-1732.9	20764.7
170.	-33559.0	-99.9	-28.5	18542.2	-395.3	16308.1
	-33559.6	-101.8	-36.7	18724.4	-173.0	16436.8
213.	-33389.8	-99.9	-28.5	18542.2	816.0	12062.0
	-33390.4	-101.8	-36.7	18724.4	1386.9	12109.0
255.	-33220.6	-99.9	-28.5	18542.2	2027.2	7815.9
	-33221.2	-101.8	-36.7	18724.4	2946.8	7781.1
298.	-33051.4	-99.9	-28.5	18542.2	3238.5	3569.8
	-33052.0	-101.8	-36.7	18724.4	4506.7	3453.2
340.	-32882.2	-99.9	-28.5	18542.2	4449.7	-676.3
	-32882.8	-101.8	-36.7	18724.4	6066.7	-874.7

Asta	20	nod	39	40		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-23367.7	-1790.6	-880.0	8055.4	-161775.0	316903.3
	-23351.8	-1792.1	-881.7	8389.5	-161262.1	317312.1
43.	-23198.5	-1790.6	-880.0	8055.4	-124374.1	240803.6
	-23182.6	-1792.1	-881.7	8389.5	-123788.7	241148.2

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85.	-23029.3	-1790.6	-880.0	8055.4	-86973.1	164704.0
	-23013.4	-1792.1	-881.7	8389.5	-86315.3	164984.3
128.	-22860.1	-1790.6	-880.0	8055.4	-49572.1	88604.4
	-22844.2	-1792.1	-881.7	8389.5	-48841.9	88820.4
170.	-22690.9	-1790.6	-880.0	8055.4	-12171.2	12504.7
	-22675.0	-1792.1	-881.7	8389.5	-11368.5	12656.5
213.	-22521.7	-1790.6	-880.0	8055.4	25229.8	-63594.9
	-22505.8	-1792.1	-881.7	8389.5	26104.9	-63507.5
255.	-22352.5	-1790.6	-880.0	8055.4	62630.8	-139694.5
	-22336.6	-1792.1	-881.7	8389.5	63578.3	-139671.4
298.	-22183.3	-1790.6	-880.0	8055.4	100031.7	-215794.2
	-22167.4	-1792.1	-881.7	8389.5	101051.7	-215835.3
340.	-22014.1	-1790.6	-880.0	8055.4	137432.7	-291893.8
	-21998.2	-1792.1	-881.7	8389.5	138525.0	-291999.2
Asta	21	odi	41	42		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-22347.3	1628.2	-678.3	-10091.4	-106432.8	-262714.5
	-22349.4	1628.6	-684.1	-9983.7	-107601.8	-262675.5
43.	-22178.1	1628.2	-678.3	-10091.4	-77606.6	-193515.5
	-22180.2	1628.6	-684.1	-9983.7	-78527.8	-193458.3
85.	-22008.9	1628.2	-678.3	-10091.4	-48780.3	-124316.5
	-22011.0	1628.6	-684.1	-9983.7	-49453.7	-124241.1
128.	-21839.7	1628.2	-678.3	-10091.4	-19954.0	-55117.5
	-21841.8	1628.6	-684.1	-9983.7	-20379.6	-55023.8
170.	-21670.5	1628.2	-678.3	-10091.4	8872.3	14081.6
	-21672.6	1628.6	-684.1	-9983.7	8694.5	14193.4
213.	-21501.3	1628.2	-678.3	-10091.4	37698.5	83280.6
	-21503.4	1628.6	-684.1	-9983.7	37768.5	83410.6
255.	-21332.1	1628.2	-678.3	-10091.4	66524.8	152479.6
	-21334.2	1628.6	-684.1	-9983.7	66842.6	152627.9
298.	-21162.9	1628.2	-678.3	-10091.4	95351.1	221678.6
	-21165.0	1628.6	-684.1	-9983.7	95916.7	221845.1
340.	-20993.7	1628.2	-678.3	-10091.4	124177.3	290877.6
	-20995.8	1628.6	-684.1	-9983.7	124990.7	291062.3
Asta	22	odi	43	44		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-32832.6	-354.2	119.4	-9779.8	58803.1	65324.3
	-32832.0	-353.9	109.7	-9739.6	57891.2	65364.7
43.	-32663.4	-354.2	119.4	-9779.8	53727.3	50269.3
	-32662.8	-353.9	109.7	-9739.6	53230.0	50323.8
85.	-32494.2	-354.2	119.4	-9779.8	48651.4	35214.3
	-32493.6	-353.9	109.7	-9739.6	48568.9	35282.9
128.	-32324.9	-354.2	119.4	-9779.8	43575.5	20159.3
	-32324.4	-353.9	109.7	-9739.6	43907.8	20242.0
170.	-32155.7	-354.2	119.4	-9779.8	38499.7	5104.2
	-32155.2	-353.9	109.7	-9739.6	39246.6	5201.1
213.	-31986.5	-354.2	119.4	-9779.8	33423.8	-9950.8
	-31986.0	-353.9	109.7	-9739.6	34585.5	-9839.8
255.	-31817.3	-354.2	119.4	-9779.8	28347.9	-25005.8
	-31816.8	-353.9	109.7	-9739.6	29924.4	-24880.7
298.	-31648.1	-354.2	119.4	-9779.8	23272.0	-40060.8
	-31647.6	-353.9	109.7	-9739.6	25263.3	-39921.6
340.	-31478.9	-354.2	119.4	-9779.8	18196.2	-55115.8
	-31478.4	-353.9	109.7	-9739.6	20602.1	-54962.5
Asta	23	odi	45	46		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-21322.6	-823.6	-452.9	-3952.5	16948.4	174040.3
	-21312.5	-823.2	-468.8	-3893.7	15173.8	174077.5
43.	-21153.4	-823.6	-452.9	-3952.5	36194.8	139038.6
	-21143.3	-823.2	-468.8	-3893.7	35098.9	139093.3
85.	-20984.1	-823.6	-452.9	-3952.5	55441.3	104036.9
	-20974.1	-823.2	-468.8	-3893.7	55023.9	104109.2
128.	-20814.9	-823.6	-452.9	-3952.5	74687.7	69035.3
	-20804.9	-823.2	-468.8	-3893.7	74949.0	69125.0
170.	-20645.7	-823.6	-452.9	-3952.5	93934.2	34033.6
	-20635.7	-823.2	-468.8	-3893.7	94874.0	34140.8
213.	-20476.5	-823.6	-452.9	-3952.5	113180.6	-968.0
	-20466.5	-823.2	-468.8	-3893.7	114799.1	-843.4
255.	-20307.3	-823.6	-452.9	-3952.5	132427.1	-35969.7
	-20297.3	-823.2	-468.8	-3893.7	134724.2	-35827.5
298.	-20138.1	-823.6	-452.9	-3952.5	151673.5	-70971.4
	-20128.1	-823.2	-468.8	-3893.7	154649.2	-70811.7
340.	-19968.9	-823.6	-452.9	-3952.5	170920.0	-105973.0
	-19958.9	-823.2	-468.8	-3893.7	174574.3	-105795.9
Asta	24	odi	47	150		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-40133.6	-525.4	-878.2	16600.6	48715.7	337554.7
	-40144.5	-525.4	-892.9	16721.5	48704.6	337647.8
21.	-40049.0	-525.4	-878.2	16600.6	67376.6	326390.9
	-40059.9	-525.4	-892.9	16721.5	67679.5	326483.7
43.	-39964.4	-525.4	-878.2	16600.6	86037.5	315227.1
	-39975.3	-525.4	-892.9	16721.5	86654.4	315319.5
64.	-39879.8	-525.4	-878.2	16600.6	104698.4	304063.3
	-39890.7	-525.4	-892.9	16721.5	105629.3	304155.4
85.	-39795.2	-525.4	-878.2	16600.6	123359.4	292899.5
	-39806.1	-525.4	-892.9	16721.5	124604.3	292991.2
106.	-39710.6	-525.4	-878.2	16600.6	142020.3	281735.7
	-39721.5	-525.4	-892.9	16721.5	143579.2	281827.0
128.	-39626.0	-525.4	-878.2	16600.6	160681.2	270571.9
	-39636.9	-525.4	-892.9	16721.5	162554.1	270662.9

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149.	-39541.4	-525.4	-878.2	16600.6	179342.1	259408.1
	-39552.3	-525.4	-892.9	16721.5	181529.0	259498.7
170.	-39456.8	-525.4	-878.2	16600.6	198003.1	248244.3
	-39467.7	-525.4	-892.9	16721.5	200504.0	248334.6
Asta	25	odi	49	50		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-26407.1	-219.4	-70.4	5689.1	-33369.4	56224.8
	-26407.6	-218.8	-69.3	5776.8	-32603.0	56119.7
43.	-26237.9	-219.4	-70.4	5689.1	-30375.6	46898.4
	-26238.4	-218.8	-69.3	5776.8	-29655.8	46822.4
85.	-26068.6	-219.4	-70.4	5689.1	-27381.8	37572.0
	-26069.2	-218.8	-69.3	5776.8	-26708.6	37525.1
128.	-25899.4	-219.4	-70.4	5689.1	-24388.1	28245.6
	-25900.0	-218.8	-69.3	5776.8	-23761.4	28227.7
170.	-25730.2	-219.4	-70.4	5689.1	-21394.3	18919.2
	-25730.8	-218.8	-69.3	5776.8	-20814.2	18930.4
213.	-25561.0	-219.4	-70.4	5689.1	-18400.6	9592.8
	-25561.6	-218.8	-69.3	5776.8	-17867.0	9633.1
255.	-25391.8	-219.4	-70.4	5689.1	-15406.8	266.4
	-25392.4	-218.8	-69.3	5776.8	-14919.8	335.7
298.	-25222.6	-219.4	-70.4	5689.1	-12413.0	-9060.0
	-25223.2	-218.8	-69.3	5776.8	-11972.6	-8961.6
340.	-25053.4	-219.4	-70.4	5689.1	-9419.3	-18386.4
	-25054.0	-218.8	-69.3	5776.8	-9025.5	-18258.9
Asta	26	odi	51	52		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-26289.6	-101.7	-44.6	-4005.2	-20177.5	35237.5
	-26289.2	-101.0	-42.9	-4532.7	-20079.1	35141.8
43.	-26120.4	-101.7	-44.6	-4005.2	-18280.9	30915.5
	-26120.0	-101.0	-42.9	-4532.7	-18257.5	30847.4
85.	-25951.2	-101.7	-44.6	-4005.2	-16384.3	26593.5
	-25950.8	-101.0	-42.9	-4532.7	-16435.8	26552.9
128.	-25782.0	-101.7	-44.6	-4005.2	-14487.7	22271.6
	-25781.6	-101.0	-42.9	-4532.7	-14614.2	22258.5
170.	-25612.8	-101.7	-44.6	-4005.2	-12591.1	17949.6
	-25612.4	-101.0	-42.9	-4532.7	-12792.5	17964.1
213.	-25443.6	-101.7	-44.6	-4005.2	-10694.5	13627.6
	-25443.2	-101.0	-42.9	-4532.7	-10970.8	13669.7
255.	-25274.4	-101.7	-44.6	-4005.2	-8797.9	9305.7
	-25274.0	-101.0	-42.9	-4532.7	-9149.2	9375.3
298.	-25105.2	-101.7	-44.6	-4005.2	-6901.3	4983.7
	-25104.8	-101.0	-42.9	-4532.7	-7327.5	5080.8
340.	-24936.0	-101.7	-44.6	-4005.2	-5004.7	661.7
	-24935.5	-101.0	-42.9	-4532.7	-5505.9	786.4
Asta	27	odi	53	54		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-32382.4	-123.9	66.9	16913.0	12500.4	60181.7
	-32383.0	-123.3	63.6	17092.3	12413.7	60129.7
43.	-32213.2	-123.9	66.9	16913.0	9655.7	54917.4
	-32213.8	-123.3	63.6	17092.3	9710.4	54891.5
85.	-32044.0	-123.9	66.9	16913.0	6811.0	49653.1
	-32044.6	-123.3	63.6	17092.3	7007.1	49653.2
128.	-31874.8	-123.9	66.9	16913.0	3966.4	44388.7
	-31875.4	-123.3	63.6	17092.3	4303.8	44414.9
170.	-31705.6	-123.9	66.9	16913.0	1121.7	39124.4
	-31706.2	-123.3	63.6	17092.3	1600.4	39176.7
213.	-31536.4	-123.9	66.9	16913.0	-1723.0	33860.1
	-31537.0	-123.3	63.6	17092.3	-1102.9	33938.4
255.	-31367.2	-123.9	66.9	16913.0	-4567.6	28595.7
	-31367.8	-123.3	63.6	17092.3	-3806.2	28700.2
298.	-31198.0	-123.9	66.9	16913.0	-7412.3	23331.4
	-31198.6	-123.3	63.6	17092.3	-6509.5	23461.9
340.	-31028.8	-123.9	66.9	16913.0	-10257.0	18067.0
	-31029.4	-123.3	63.6	17092.3	-9212.8	18223.7
Asta	28	odi	55	152		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-61051.9	-1962.5	8.4	18075.2	-9214.0	671700.2
	-61047.1	-1962.3	-5.1	18247.0	-9256.8	671614.6
21.	-60967.3	-1962.5	8.4	18075.2	-9391.5	629996.5
	-60962.5	-1962.3	-5.1	18247.0	-9147.7	629915.8
43.	-60882.7	-1962.5	8.4	18075.2	-9569.0	588292.8
	-60877.9	-1962.3	-5.1	18247.0	-9038.6	588217.1
64.	-60798.1	-1962.5	8.4	18075.2	-9746.5	546589.1
	-60793.3	-1962.3	-5.1	18247.0	-8929.6	546518.3
85.	-60713.4	-1962.5	8.4	18075.2	-9924.0	504885.4
	-60708.7	-1962.3	-5.1	18247.0	-8820.5	504819.6
106.	-60628.8	-1962.5	8.4	18075.2	-10101.5	463181.7
	-60624.1	-1962.3	-5.1	18247.0	-8711.5	463120.8
128.	-60544.2	-1962.5	8.4	18075.2	-10278.9	421478.0
	-60539.5	-1962.3	-5.1	18247.0	-8602.4	421422.1
149.	-60459.6	-1962.5	8.4	18075.2	-10456.4	379774.3
	-60454.9	-1962.3	-5.1	18247.0	-8493.3	379723.3
170.	-60375.0	-1962.5	8.4	18075.2	-10633.9	338070.6
	-60370.3	-1962.3	-5.1	18247.0	-8384.3	338024.6
Asta	29	odi	57	58		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-33817.5	-380.2	5.0	2096.3	-2420.4	65042.0
	-33817.6	-380.3	-3.2	2328.6	-2795.9	65054.0
43.	-33648.3	-380.2	5.0	2096.3	-2632.5	48883.2

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85.	-33648.4	-380.3	-3.2	2328.6	-2659.5	48889.1
	-33479.1	-380.2	5.0	2096.3	-2844.6	32724.4
	-33479.2	-380.3	-3.2	2328.6	-2523.1	32724.3
128.	-33309.9	-380.2	5.0	2096.3	-3056.8	16565.6
	-33310.0	-380.3	-3.2	2328.6	-2386.7	16559.4
170.	-33140.7	-380.2	5.0	2096.3	-3268.9	406.8
	-33140.8	-380.3	-3.2	2328.6	-2250.3	394.6
213.	-32971.5	-380.2	5.0	2096.3	-3481.1	-15752.0
	-32971.6	-380.3	-3.2	2328.6	-2113.9	-15770.2
255.	-32802.3	-380.2	5.0	2096.3	-3693.2	-31910.9
	-32802.4	-380.3	-3.2	2328.6	-1977.5	-31935.1
298.	-32633.1	-380.2	5.0	2096.3	-3905.4	-48069.7
	-32633.2	-380.3	-3.2	2328.6	-1841.2	-48099.9
340.	-32463.9	-380.2	5.0	2096.3	-4117.5	-64228.5
	-32464.0	-380.3	-3.2	2328.6	-1704.8	-64264.8
Asta	30	odi	59	60		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-33104.3	468.5	3.9	2746.5	-3178.3	-83395.1
	-33104.2	468.4	-5.0	2797.3	-4002.8	-83389.3
43.	-32935.1	468.5	3.9	2746.5	-3344.8	-63485.3
	-32935.0	468.4	-5.0	2797.3	-3789.0	-63484.1
85.	-32765.9	468.5	3.9	2746.5	-3511.3	-43575.5
	-32765.8	468.4	-5.0	2797.3	-3575.2	-43579.0
128.	-32596.7	468.5	3.9	2746.5	-3677.8	-23665.7
	-32596.6	468.4	-5.0	2797.3	-3361.4	-23673.8
170.	-32427.5	468.5	3.9	2746.5	-3844.2	-3755.9
	-32427.4	468.4	-5.0	2797.3	-3147.6	-3768.7
213.	-32258.3	468.5	3.9	2746.5	-4010.7	16153.9
	-32258.2	468.4	-5.0	2797.3	-2933.8	16136.4
255.	-32089.1	468.5	3.9	2746.5	-4177.2	36063.6
	-32089.0	468.4	-5.0	2797.3	-2719.9	36041.6
298.	-31919.9	468.5	3.9	2746.5	-4343.7	55973.4
	-31919.8	468.4	-5.0	2797.3	-2506.1	55946.7
340.	-31750.7	468.5	3.9	2746.5	-4510.2	75883.2
	-31750.5	468.4	-5.0	2797.3	-2292.3	75851.9
Asta	31	odi	61	62		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-26936.0	524.9	-19.7	4459.0	-9709.9	-94229.6
	-26935.9	524.8	-22.3	4276.7	-10266.3	-94232.9
43.	-26766.8	524.9	-19.7	4459.0	-8871.4	-71923.1
	-26766.7	524.8	-22.3	4276.7	-9318.5	-71928.8
85.	-26597.6	524.9	-19.7	4459.0	-8033.0	-49616.5
	-26597.5	524.8	-22.3	4276.7	-8370.8	-49624.7
128.	-26428.4	524.9	-19.7	4459.0	-7194.5	-27310.0
	-26428.3	524.8	-22.3	4276.7	-7423.1	-27320.7
170.	-26259.2	524.9	-19.7	4459.0	-6356.0	-5003.5
	-26259.1	524.8	-22.3	4276.7	-6475.4	-5016.6
213.	-26090.0	524.9	-19.7	4459.0	-5517.5	17303.1
	-26089.9	524.8	-22.3	4276.7	-5527.6	17287.5
255.	-25920.8	524.9	-19.7	4459.0	-4679.0	39609.6
	-25920.7	524.8	-22.3	4276.7	-4579.9	39591.5
298.	-25751.6	524.9	-19.7	4459.0	-3840.5	61916.1
	-25751.5	524.8	-22.3	4276.7	-3632.2	61895.6
340.	-25582.4	524.9	-19.7	4459.0	-3002.1	84222.7
	-25582.2	524.8	-22.3	4276.7	-2684.5	84199.7
Asta	32	odi	63	64		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-26666.5	562.2	-4.1	4703.6	-9865.5	-103325.7
	-26666.3	562.2	-3.3	4717.2	-10325.0	-103340.1
43.	-26497.3	562.2	-4.1	4703.6	-9692.9	-79430.9
	-26497.1	562.2	-3.3	4717.2	-10184.0	-79445.2
85.	-26328.1	562.2	-4.1	4703.6	-9520.4	-55536.2
	-26327.9	562.2	-3.3	4717.2	-10043.1	-55550.3
128.	-26158.9	562.2	-4.1	4703.6	-9347.8	-31641.5
	-26158.7	562.2	-3.3	4717.2	-9902.1	-31655.4
170.	-25989.7	562.2	-4.1	4703.6	-9175.3	-7746.8
	-25989.5	562.2	-3.3	4717.2	-9761.1	-7760.5
213.	-25820.5	562.2	-4.1	4703.6	-9002.7	16147.9
	-25820.3	562.2	-3.3	4717.2	-9620.1	16134.4
255.	-25651.3	562.2	-4.1	4703.6	-8830.2	40042.6
	-25651.1	562.2	-3.3	4717.2	-9479.1	40029.3
298.	-25482.1	562.2	-4.1	4703.6	-8657.6	63937.4
	-25481.9	562.2	-3.3	4717.2	-9338.1	63924.2
340.	-25312.9	562.2	-4.1	4703.6	-8485.1	87832.1
	-25312.7	562.2	-3.3	4717.2	-9197.2	87819.1
Asta	33	odi	2	65		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-10496.6	-2103.4	1994.9	12312.6	407058.4	290138.7
	-10500.6	-2103.0	2014.5	12848.6	411459.3	290051.6
43.	-10327.4	-2103.4	1994.9	12312.6	322273.2	200743.0
	-10331.4	-2103.0	2014.5	12848.6	325843.6	200676.0
85.	-10158.2	-2103.4	1994.9	12312.6	237487.9	111347.3
	-10162.2	-2103.0	2014.5	12848.6	240227.9	111300.4
128.	-9989.0	-2103.4	1994.9	12312.6	152702.7	21951.6
	-9993.0	-2103.0	2014.5	12848.6	154612.2	21924.8
170.	-9819.8	-2103.4	1994.9	12312.6	67917.5	-67444.1
	-9823.8	-2103.0	2014.5	12848.6	68996.5	-67450.8
213.	-9650.6	-2103.4	1994.9	12312.6	-16867.8	-156839.8
	-9654.6	-2103.0	2014.5	12848.6	-16619.2	-156826.4
255.	-9481.4	-2103.4	1994.9	12312.6	-101653.0	-246235.5

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298.	-9485.4	-2103.0	2014.5	12848.6	-102234.9	-246202.0
	-9312.2	-2103.4	1994.9	12312.6	-186438.2	-335631.2
	-9316.2	-2103.0	2014.5	12848.6	-187850.6	-335577.6
340.	-9143.0	-2103.4	1994.9	12312.6	-271223.5	-425026.9
	-9147.0	-2103.0	2014.5	12848.6	-273466.3	-424953.2
Asta	34	nodì	4	66		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-16725.2	-321.5	34.3	2839.9	8103.3	47160.8
	-16725.2	-321.0	30.6	3974.8	7094.8	47073.1
43.	-16556.0	-321.5	34.3	2839.9	6643.6	33496.7
	-16556.0	-321.0	30.6	3974.8	5794.2	33429.2
85.	-16386.8	-321.5	34.3	2839.9	5183.8	19832.6
	-16386.8	-321.0	30.6	3974.8	4493.5	19785.4
128.	-16217.6	-321.5	34.3	2839.9	3724.1	6168.5
	-16217.6	-321.0	30.6	3974.8	3192.9	6141.6
170.	-16048.4	-321.5	34.3	2839.9	2264.3	-7495.6
	-16048.4	-321.0	30.6	3974.8	1892.3	-7502.3
213.	-15879.2	-321.5	34.3	2839.9	804.6	-21159.7
	-15879.2	-321.0	30.6	3974.8	591.6	-21146.1
255.	-15710.0	-321.5	34.3	2839.9	-655.2	-34823.8
	-15710.0	-321.0	30.6	3974.8	-709.0	-34789.9
298.	-15540.7	-321.5	34.3	2839.9	-2114.9	-48487.9
	-15540.8	-321.0	30.6	3974.8	-2009.7	-48433.8
340.	-15371.5	-321.5	34.3	2839.9	-3574.7	-62152.0
	-15371.6	-321.0	30.6	3974.8	-3310.3	-62077.6
Asta	35	nodì	6	67		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-18486.1	-637.7	-17.4	-1050.4	-5731.7	70668.4
	-18486.1	-637.3	-30.1	-1258.8	-8960.5	70592.1
43.	-18316.9	-637.7	-17.4	-1050.4	-4993.4	43566.8
	-18316.9	-637.3	-30.1	-1258.8	-7683.1	43507.7
85.	-18147.7	-637.7	-17.4	-1050.4	-4255.0	16465.2
	-18147.7	-637.3	-30.1	-1258.8	-6405.8	16423.3
128.	-17978.5	-637.7	-17.4	-1050.4	-3516.7	-10636.5
	-17978.5	-637.3	-30.1	-1258.8	-5128.5	-10661.1
170.	-17809.3	-637.7	-17.4	-1050.4	-2778.3	-37738.1
	-17809.3	-637.3	-30.1	-1258.8	-3851.1	-37745.5
213.	-17640.1	-637.7	-17.4	-1050.4	-2040.0	-64839.7
	-17640.1	-637.3	-30.1	-1258.8	-2573.8	-64829.9
255.	-17470.9	-637.7	-17.4	-1050.4	-1301.6	-91941.4
	-17470.9	-637.3	-30.1	-1258.8	-1296.5	-91914.3
298.	-17301.7	-637.7	-17.4	-1050.4	-563.3	-119043.0
	-17301.7	-637.3	-30.1	-1258.8	-19.2	-118998.7
340.	-17132.5	-637.7	-17.4	-1050.4	175.1	-146144.6
	-17132.5	-637.3	-30.1	-1258.8	1258.2	-146083.1
Asta	36	nodì	8	68		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-17672.0	884.1	-8.1	854.6	-3618.9	-131034.8
	-17671.9	884.5	-6.2	-188.8	-3095.5	-131108.7
43.	-17502.8	884.1	-8.1	854.6	-3274.6	-93461.0
	-17502.7	884.5	-6.2	-188.8	-2833.7	-93518.0
85.	-17333.6	884.1	-8.1	854.6	-2930.3	-55887.3
	-17333.5	884.5	-6.2	-188.8	-2572.0	-55927.2
128.	-17164.4	884.1	-8.1	854.6	-2586.0	-18313.5
	-17164.3	884.5	-6.2	-188.8	-2310.2	-18336.5
170.	-16995.2	884.1	-8.1	854.6	-2241.7	19260.3
	-16995.1	884.5	-6.2	-188.8	-2048.4	19254.2
213.	-16826.0	884.1	-8.1	854.6	-1897.4	56834.1
	-16825.9	884.5	-6.2	-188.8	-1786.6	56845.0
255.	-16656.8	884.1	-8.1	854.6	-1553.0	94407.9
	-16656.7	884.5	-6.2	-188.8	-1524.8	94435.7
298.	-16487.6	884.1	-8.1	854.6	-1208.7	131981.7
	-16487.5	884.5	-6.2	-188.8	-1263.0	132026.5
340.	-16318.4	884.1	-8.1	854.6	-864.4	169555.5
	-16318.3	884.5	-6.2	-188.8	-1001.3	169617.2
Asta	37	nodì	10	69		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-7827.1	1302.6	1047.7	5890.8	233187.7	-189647.9
	-7826.4	1303.0	1045.7	5692.4	232847.5	-189716.6
43.	-7657.9	1302.6	1047.7	5890.8	188662.3	-134286.2
	-7657.2	1303.0	1045.7	5692.4	188406.9	-134339.1
85.	-7488.7	1302.6	1047.7	5890.8	144136.9	-78924.5
	-7488.0	1303.0	1045.7	5692.4	143966.3	-78961.5
128.	-7319.5	1302.6	1047.7	5890.8	99611.4	-23562.8
	-7318.8	1303.0	1045.7	5692.4	99525.7	-23583.9
170.	-7150.3	1302.6	1047.7	5890.8	55086.0	31798.9
	-7149.6	1303.0	1045.7	5692.4	55085.1	31793.7
213.	-6981.0	1302.6	1047.7	5890.8	10560.6	87160.6
	-6980.4	1303.0	1045.7	5692.4	10644.4	87171.3
255.	-6811.8	1302.6	1047.7	5890.8	-33964.8	142522.3
	-6811.2	1303.0	1045.7	5692.4	-33796.2	142548.8
298.	-6642.6	1302.6	1047.7	5890.8	-78490.3	197884.0
	-6642.0	1303.0	1045.7	5692.4	-78236.8	197926.4
340.	-6473.4	1302.6	1047.7	5890.8	-123015.7	253245.7
	-6472.8	1303.0	1045.7	5692.4	-122677.4	253304.0
Asta	38	nodì	12	70		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-15658.8	1589.7	-352.6	-1364.9	-101189.2	-238755.8
	-15659.2	1591.2	-363.6	-963.6	-102546.9	-239012.8

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43.	-15489.6	1589.7	-352.6	-1364.9	-86203.1	-171193.2
	-15490.0	1591.2	-363.6	-963.6	-87095.8	-171386.2
85.	-15320.4	1589.7	-352.6	-1364.9	-71217.0	-103630.7
	-15320.8	1591.2	-363.6	-963.6	-71644.7	-103759.7
128.	-15151.2	1589.7	-352.6	-1364.9	-56230.8	-36068.1
	-15151.6	1591.2	-363.6	-963.6	-56193.5	-36133.1
170.	-14982.0	1589.7	-352.6	-1364.9	-41244.7	31494.5
	-14982.4	1591.2	-363.6	-963.6	-40742.4	31493.4
213.	-14812.7	1589.7	-352.6	-1364.9	-26258.5	99057.0
	-14813.2	1591.2	-363.6	-963.6	-25291.3	99120.0
255.	-14643.5	1589.7	-352.6	-1364.9	-11272.4	166619.6
	-14644.0	1591.2	-363.6	-963.6	-9840.1	166746.6
298.	-14474.3	1589.7	-352.6	-1364.9	3713.7	234182.1
	-14474.8	1591.2	-363.6	-963.6	5611.0	234373.1
340.	-14305.1	1589.7	-352.6	-1364.9	18699.9	301744.7
	-14305.6	1591.2	-363.6	-963.6	21062.1	301999.7

Asta	39	nodì	14	71		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-17750.5	661.8	-21.7	1041.5	-9667.8	-101468.8
	-17750.1	663.6	-21.8	1746.6	-8405.9	-101767.2
43.	-17581.3	661.8	-21.7	1041.5	-8747.1	-73340.8
	-17580.9	663.6	-21.8	1746.6	-7480.9	-73564.8
85.	-17412.1	661.8	-21.7	1041.5	-7826.4	-45212.8
	-17411.7	663.6	-21.8	1746.6	-6556.0	-45362.5
128.	-17242.9	661.8	-21.7	1041.5	-6905.7	-17084.8
	-17242.5	663.6	-21.8	1746.6	-5631.0	-17160.2
170.	-17073.7	661.8	-21.7	1041.5	-5984.9	11043.2
	-17073.3	663.6	-21.8	1746.6	-4706.1	11042.2
213.	-16904.5	661.8	-21.7	1041.5	-5064.2	39171.1
	-16904.1	663.6	-21.8	1746.6	-3781.1	39244.5
255.	-16735.3	661.8	-21.7	1041.5	-4143.5	67299.1
	-16734.9	663.6	-21.8	1746.6	-2856.2	67446.9
298.	-16566.1	661.8	-21.7	1041.5	-3222.8	95427.1
	-16565.7	663.6	-21.8	1746.6	-1931.2	95649.2
340.	-16396.9	661.8	-21.7	1041.5	-2302.1	123555.1
	-16396.5	663.6	-21.8	1746.6	-1006.3	123851.5

Asta	40	nodì	16	72		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-20771.4	507.8	3.3	2850.1	-40.7	-60806.9
	-20771.1	509.4	10.3	3282.6	2761.1	-61079.7
43.	-20602.2	507.8	3.3	2850.1	-179.5	-39226.6
	-20601.9	509.4	10.3	3282.6	2321.5	-39431.3
85.	-20433.0	507.8	3.3	2850.1	-318.3	-17646.2
	-20432.7	509.4	10.3	3282.6	1882.0	-17782.8
128.	-20263.8	507.8	3.3	2850.1	-457.2	3934.2
	-20263.5	509.4	10.3	3282.6	1442.5	3865.6
170.	-20094.6	507.8	3.3	2850.1	-596.0	25514.6
	-20094.3	509.4	10.3	3282.6	1003.0	25514.0
213.	-19925.4	507.8	3.3	2850.1	-734.8	47094.9
	-19925.1	509.4	10.3	3282.6	563.4	47162.4
255.	-19756.2	507.8	3.3	2850.1	-873.6	68675.3
	-19755.9	509.4	10.3	3282.6	123.9	68810.8
298.	-19587.0	507.8	3.3	2850.1	-1012.5	90255.7
	-19586.7	509.4	10.3	3282.6	-315.6	90459.2
340.	-19417.8	507.8	3.3	2850.1	-1151.3	111836.1
	-19417.5	509.4	10.3	3282.6	-755.1	112107.7

Asta	41	nodì	18	73		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-19115.9	-933.8	23.9	5186.0	2690.7	153018.4
	-19115.8	-932.2	28.1	4769.8	4656.0	152758.6
43.	-18946.7	-933.8	23.9	5186.0	1673.0	113332.7
	-18946.6	-932.2	28.1	4769.8	3460.5	113138.1
85.	-18777.5	-933.8	23.9	5186.0	655.4	73647.0
	-18777.4	-932.2	28.1	4769.8	2264.9	73517.5
128.	-18608.3	-933.8	23.9	5186.0	-362.3	33961.4
	-18608.2	-932.2	28.1	4769.8	1069.4	33897.0
170.	-18439.1	-933.8	23.9	5186.0	-1380.0	-5724.3
	-18439.0	-932.2	28.1	4769.8	-126.2	-5723.5
213.	-18269.9	-933.8	23.9	5186.0	-2397.6	-45410.0
	-18269.8	-932.2	28.1	4769.8	-1321.7	-45344.0
255.	-18100.7	-933.8	23.9	5186.0	-3415.3	-85095.6
	-18100.6	-932.2	28.1	4769.8	-2517.3	-84964.5
298.	-17931.5	-933.8	23.9	5186.0	-4433.0	-124781.3
	-17931.4	-932.2	28.1	4769.8	-3712.8	-124585.0
340.	-17762.3	-933.8	23.9	5186.0	-5450.6	-164467.0
	-17762.2	-932.2	28.1	4769.8	-4908.4	-164205.5

Asta	42	nodì	20	74		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-12451.4	-989.5	14.8	5972.7	2202.1	161326.1
	-12451.4	-988.1	10.7	4988.6	1119.0	161078.3
43.	-12282.2	-989.5	14.8	5972.7	1573.9	119271.4
	-12282.2	-988.1	10.7	4988.6	662.3	119084.3
85.	-12113.0	-989.5	14.8	5972.7	945.6	77216.7
	-12113.0	-988.1	10.7	4988.6	205.6	77090.2
128.	-11943.8	-989.5	14.8	5972.7	317.4	35162.0
	-11943.8	-988.1	10.7	4988.6	-251.1	35096.2
170.	-11774.6	-989.5	14.8	5972.7	-310.8	-6892.7
	-11774.6	-988.1	10.7	4988.6	-707.8	-6897.8
213.	-11605.4	-989.5	14.8	5972.7	-939.1	-48947.4
	-11605.4	-988.1	10.7	4988.6	-1164.5	-48891.9

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255.	-11436.2	-989.5	14.8	5972.7	-1567.3	-91002.1
	-11436.2	-988.1	10.7	4988.6	-1621.2	-90885.9
298.	-11267.0	-989.5	14.8	5972.7	-2195.5	-133056.8
	-11267.0	-988.1	10.7	4988.6	-2077.9	-132879.9
340.	-11097.7	-989.5	14.8	5972.7	-2823.8	-175111.6
	-11097.8	-988.1	10.7	4988.6	-2534.6	-174873.9
Asta	43	nodì	22	75		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-12399.8	-295.9	4.1	2967.8	-3131.3	54260.4
	-12399.7	-294.5	-9.2	2411.8	-6580.4	54022.7
43.	-12230.6	-295.9	4.1	2967.8	-3306.6	41684.5
	-12230.5	-294.5	-9.2	2411.8	-6191.3	41504.7
85.	-12061.4	-295.9	4.1	2967.8	-3481.9	29108.7
	-12061.3	-294.5	-9.2	2411.8	-5802.2	28986.7
128.	-11892.2	-295.9	4.1	2967.8	-3657.2	16532.9
	-11892.0	-294.5	-9.2	2411.8	-5413.1	16468.6
170.	-11723.0	-295.9	4.1	2967.8	-3832.5	3957.0
	-11722.8	-294.5	-9.2	2411.8	-5024.0	3950.6
213.	-11553.8	-295.9	4.1	2967.8	-4007.8	-8618.8
	-11553.6	-294.5	-9.2	2411.8	-4634.9	-8567.4
255.	-11384.6	-295.9	4.1	2967.8	-4183.1	-21194.6
	-11384.4	-294.5	-9.2	2411.8	-4245.8	-21085.4
298.	-11215.3	-295.9	4.1	2967.8	-4358.4	-33770.5
	-11215.2	-294.5	-9.2	2411.8	-3856.7	-33603.4
340.	-11046.1	-295.9	4.1	2967.8	-4533.7	-46346.3
	-11046.0	-294.5	-9.2	2411.8	-3467.6	-46121.4
Asta	44	nodì	24	76		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-19360.8	160.8	-61.1	-2175.2	-21001.5	-13204.1
	-19360.1	162.0	-72.1	-1621.6	-23613.4	-13416.4
43.	-19191.6	160.8	-61.1	-2175.2	-18405.4	-6371.0
	-19190.9	162.0	-72.1	-1621.6	-20548.5	-6530.1
85.	-19022.4	160.8	-61.1	-2175.2	-15809.3	462.2
	-19021.7	162.0	-72.1	-1621.6	-17483.7	356.1
128.	-18853.2	160.8	-61.1	-2175.2	-13213.1	7295.3
	-18852.5	162.0	-72.1	-1621.6	-14418.8	7242.4
170.	-18684.0	160.8	-61.1	-2175.2	-10617.0	14128.5
	-18683.3	162.0	-72.1	-1621.6	-11353.9	14128.7
213.	-18514.8	160.8	-61.1	-2175.2	-8020.9	20961.6
	-18514.1	162.0	-72.1	-1621.6	-8289.0	21015.0
255.	-18345.6	160.8	-61.1	-2175.2	-5424.8	27794.7
	-18344.8	162.0	-72.1	-1621.6	-5224.1	27901.3
298.	-18176.4	160.8	-61.1	-2175.2	-2828.6	34627.9
	-18175.6	162.0	-72.1	-1621.6	-2159.2	34787.5
340.	-18007.2	160.8	-61.1	-2175.2	-232.5	41461.0
	-18006.4	162.0	-72.1	-1621.6	905.7	41673.8
Asta	45	nodì	26	77		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-22052.0	-741.3	-93.3	2429.1	-29212.0	135032.8
	-22053.2	-740.0	-95.3	3571.0	-29023.4	134792.6
43.	-21882.8	-741.3	-93.3	2429.1	-25245.4	103526.1
	-21884.0	-740.0	-95.3	3571.0	-24973.5	103344.3
85.	-21713.5	-741.3	-93.3	2429.1	-21278.7	72019.4
	-21714.8	-740.0	-95.3	3571.0	-20923.6	71896.1
128.	-21544.3	-741.3	-93.3	2429.1	-17312.0	40512.7
	-21545.6	-740.0	-95.3	3571.0	-16873.8	40447.8
170.	-21375.1	-741.3	-93.3	2429.1	-13345.3	9005.9
	-21376.4	-740.0	-95.3	3571.0	-12823.9	8999.5
213.	-21205.9	-741.3	-93.3	2429.1	-9378.6	-22500.8
	-21207.1	-740.0	-95.3	3571.0	-8774.0	-22448.7
255.	-21036.7	-741.3	-93.3	2429.1	-5412.0	-54007.5
	-21037.9	-740.0	-95.3	3571.0	-4724.2	-53897.0
298.	-20867.5	-741.3	-93.3	2429.1	-1445.3	-85514.2
	-20868.7	-740.0	-95.3	3571.0	-674.3	-85345.2
340.	-20698.3	-741.3	-93.3	2429.1	2521.4	-117020.9
	-20699.5	-740.0	-95.3	3571.0	3375.6	-116793.5
Asta	46	nodì	28	78		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-9330.5	-598.2	-220.8	-9856.8	-65846.2	109526.0
	-9329.2	-598.7	-214.8	-9236.2	-64009.3	109626.0
43.	-9161.3	-598.2	-220.8	-9856.8	-56460.4	84101.8
	-9160.0	-598.7	-214.8	-9236.2	-54881.0	84179.8
85.	-8992.0	-598.2	-220.8	-9856.8	-47074.6	58677.7
	-8990.8	-598.7	-214.8	-9236.2	-45752.8	58733.7
128.	-8822.8	-598.2	-220.8	-9856.8	-37688.9	33253.5
	-8821.6	-598.7	-214.8	-9236.2	-36624.5	33287.6
170.	-8653.6	-598.2	-220.8	-9856.8	-28303.1	7829.4
	-8652.4	-598.7	-214.8	-9236.2	-27496.2	7841.5
213.	-8484.4	-598.2	-220.8	-9856.8	-18917.3	-17594.8
	-8483.2	-598.7	-214.8	-9236.2	-18368.0	-17604.6
255.	-8315.2	-598.2	-220.8	-9856.8	-9531.5	-43019.0
	-8314.0	-598.7	-214.8	-9236.2	-9239.7	-43050.7
298.	-8146.0	-598.2	-220.8	-9856.8	-145.7	-68443.1
	-8144.8	-598.7	-214.8	-9236.2	-111.4	-68496.8
340.	-7976.8	-598.2	-220.8	-9856.8	9240.1	-93867.3
	-7975.6	-598.7	-214.8	-9236.2	9016.8	-93942.9
Asta	47	nodì	30	79		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-11967.9	150.2	327.9	-1609.4	76906.8	-41014.0

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43.	-11968.5	149.9	325.5	-1301.2	76784.7	-40928.2
	-11798.7	150.2	327.9	-1609.4	62973.1	-34631.5
	-11799.3	149.9	325.5	-1301.2	62949.4	-34559.3
85.	-11629.5	150.2	327.9	-1609.4	49039.4	-28249.0
	-11630.1	149.9	325.5	-1301.2	49114.1	-28190.3
128.	-11460.3	150.2	327.9	-1609.4	35105.7	-21866.5
	-11460.9	149.9	325.5	-1301.2	35278.8	-21821.4
170.	-11291.1	150.2	327.9	-1609.4	21172.0	-15484.0
	-11291.7	149.9	325.5	-1301.2	21443.5	-15452.4
213.	-11121.9	150.2	327.9	-1609.4	7238.3	-9101.5
	-11122.5	149.9	325.5	-1301.2	7608.3	-9083.5
255.	-10952.7	150.2	327.9	-1609.4	-6695.4	-2719.0
	-10953.3	149.9	325.5	-1301.2	-6227.0	-2714.5
298.	-10783.5	150.2	327.9	-1609.4	-20629.2	3663.6
	-10784.1	149.9	325.5	-1301.2	-20062.3	3654.4
340.	-10614.3	150.2	327.9	-1609.4	-34562.9	10046.1
	-10614.9	149.9	325.5	-1301.2	-33897.6	10023.4
Asta	48	odi	32	80		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-12634.8	-1701.5	63.5	7769.7	37183.2	306353.4
	-12645.0	-1702.1	77.9	7956.1	39912.3	306483.7
43.	-12465.6	-1701.5	63.5	7769.7	34485.0	234040.3
	-12475.8	-1702.1	77.9	7956.1	36601.8	234145.0
85.	-12296.3	-1701.5	63.5	7769.7	31786.9	161727.2
	-12306.6	-1702.1	77.9	7956.1	33291.4	161806.2
128.	-12127.1	-1701.5	63.5	7769.7	29088.7	89414.1
	-12137.4	-1702.1	77.9	7956.1	29981.0	89467.4
170.	-11957.9	-1701.5	63.5	7769.7	26390.5	17101.0
	-11968.2	-1702.1	77.9	7956.1	26670.6	17128.7
213.	-11788.7	-1701.5	63.5	7769.7	23692.3	-55212.1
	-11799.0	-1702.1	77.9	7956.1	23360.1	-55210.1
255.	-11619.5	-1701.5	63.5	7769.7	20994.1	-127525.2
	-11629.8	-1702.1	77.9	7956.1	20049.7	-127548.9
298.	-11450.3	-1701.5	63.5	7769.7	18295.9	-199838.3
	-11460.6	-1702.1	77.9	7956.1	16739.3	-199887.6
340.	-11281.1	-1701.5	63.5	7769.7	15597.7	-272151.4
	-11291.4	-1702.1	77.9	7956.1	13428.9	-272226.4
Asta	49	odi	110	109		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-7933.1	2334.2	241.5	2497.5	46565.6	-371697.6
	-7931.3	2333.7	233.3	2824.6	45264.6	-371591.3
43.	-7763.9	2334.2	241.5	2497.5	36300.1	-272492.6
	-7762.1	2333.7	233.3	2824.6	35351.0	-272407.5
85.	-7594.7	2334.2	241.5	2497.5	26034.6	-173287.6
	-7592.9	2333.7	233.3	2824.6	25437.4	-173223.6
128.	-7425.5	2334.2	241.5	2497.5	15769.1	-74082.5
	-7423.7	2333.7	233.3	2824.6	15523.8	-74039.7
170.	-7256.3	2334.2	241.5	2497.5	5503.5	25122.5
	-7254.5	2333.7	233.3	2824.6	5610.2	25144.1
213.	-7087.1	2334.2	241.5	2497.5	-4762.0	124327.5
	-7085.3	2333.7	233.3	2824.6	-4303.4	124328.0
255.	-6917.9	2334.2	241.5	2497.5	-15027.5	223532.6
	-6916.1	2333.7	233.3	2824.6	-14217.0	223511.8
298.	-6748.7	2334.2	241.5	2497.5	-25293.0	322737.6
	-6746.9	2333.7	233.3	2824.6	-24130.6	322695.7
340.	-6579.5	2334.2	241.5	2497.5	-35558.5	421942.7
	-6577.7	2333.7	233.3	2824.6	-34044.2	421879.5
Asta	50	odi	36	82		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-8136.4	1815.2	-334.0	3737.7	-76651.0	-270850.6
	-8138.5	1813.2	-338.6	3909.9	-77288.7	-270521.0
43.	-7967.2	1815.2	-334.0	3737.7	-62454.8	-193703.9
	-7969.3	1813.2	-338.6	3909.9	-62898.7	-193462.1
85.	-7798.0	1815.2	-334.0	3737.7	-48258.5	-116557.2
	-7800.0	1813.2	-338.6	3909.9	-48508.8	-116403.3
128.	-7628.8	1815.2	-334.0	3737.7	-34062.3	-39410.4
	-7630.8	1813.2	-338.6	3909.9	-34118.8	-39344.4
170.	-7459.6	1815.2	-334.0	3737.7	-19866.0	37736.3
	-7461.6	1813.2	-338.6	3909.9	-19728.8	37714.5
213.	-7290.4	1815.2	-334.0	3737.7	-5669.8	114883.0
	-7292.4	1813.2	-338.6	3909.9	-5338.8	114773.4
255.	-7121.2	1815.2	-334.0	3737.7	8526.5	192029.7
	-7123.2	1813.2	-338.6	3909.9	9051.2	191832.3
298.	-6951.9	1815.2	-334.0	3737.7	22722.7	269176.4
	-6954.0	1813.2	-338.6	3909.9	23441.2	268891.1
340.	-6782.7	1815.2	-334.0	3737.7	36919.0	346323.1
	-6784.8	1813.2	-338.6	3909.9	37831.1	345950.0
Asta	51	odi	38	83		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-16238.8	48.3	-27.7	17427.0	-6632.8	-9481.1
	-16239.0	45.2	-23.4	17970.5	-5233.1	-8997.9
43.	-16069.6	48.3	-27.7	17427.0	-5453.5	-7430.3
	-16069.8	45.2	-23.4	17970.5	-4236.6	-7078.4
85.	-15900.4	48.3	-27.7	17427.0	-4274.2	-5379.5
	-15900.6	45.2	-23.4	17970.5	-3240.0	-5158.9
128.	-15731.2	48.3	-27.7	17427.0	-3095.0	-3328.8
	-15731.4	45.2	-23.4	17970.5	-2243.4	-3239.4
170.	-15562.0	48.3	-27.7	17427.0	-1915.7	-1278.0
	-15562.2	45.2	-23.4	17970.5	-1246.8	-1319.9
213.	-15392.8	48.3	-27.7	17427.0	-736.4	772.8

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255.	-15393.0	45.2	-23.4	17970.5	-250.3	599.6
	-15223.6	48.3	-27.7	17427.0	442.9	2823.5
	-15223.8	45.2	-23.4	17970.5	746.3	2519.1
298.	-15054.4	48.3	-27.7	17427.0	1622.2	4874.3
	-15054.6	45.2	-23.4	17970.5	1742.9	4438.6
340.	-14885.1	48.3	-27.7	17427.0	2801.5	6925.1
	-14885.4	45.2	-23.4	17970.5	2739.5	6358.2
Asta	52	odi	40	84		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-9658.7	-2586.6	-599.0	634.7	-112254.5	381214.3
	-9649.0	-2588.6	-584.7	942.1	-109521.1	381518.5
43.	-9489.5	-2586.6	-599.0	634.7	-86797.3	271282.3
	-9479.8	-2588.6	-584.7	942.1	-84672.2	271504.9
85.	-9320.3	-2586.6	-599.0	634.7	-61340.1	161350.3
	-9310.6	-2588.6	-584.7	942.1	-59823.3	161491.4
128.	-9151.1	-2586.6	-599.0	634.7	-35882.9	51418.3
	-9141.4	-2588.6	-584.7	942.1	-34974.4	51477.8
170.	-8981.9	-2586.6	-599.0	634.7	-10425.8	-58513.7
	-8972.2	-2588.6	-584.7	942.1	-10125.4	-58535.7
213.	-8812.7	-2586.6	-599.0	634.7	15031.4	-168445.7
	-8803.0	-2588.6	-584.7	942.1	14723.5	-168549.3
255.	-8643.5	-2586.6	-599.0	634.7	40488.6	-278377.7
	-8633.8	-2588.6	-584.7	942.1	39572.4	-278562.9
298.	-8474.3	-2586.6	-599.0	634.7	65945.8	-388309.8
	-8464.5	-2588.6	-584.7	942.1	64421.3	-388576.4
340.	-8305.1	-2586.6	-599.0	634.7	91402.9	-498241.8
	-8295.3	-2588.6	-584.7	942.1	89270.2	-498590.0
Asta	53	odi	42	85		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-9184.5	2331.5	-288.2	-11844.0	-62066.1	-336578.6
	-9183.9	2329.6	-289.6	-11574.6	-62043.7	-336195.0
43.	-9015.3	2331.5	-288.2	-11844.0	-49815.8	-237488.0
	-9014.7	2329.6	-289.6	-11574.6	-49735.0	-237186.8
85.	-8846.1	2331.5	-288.2	-11844.0	-37565.6	-138397.5
	-8845.5	2329.6	-289.6	-11574.6	-37426.3	-138178.6
128.	-8676.9	2331.5	-288.2	-11844.0	-25315.4	-39306.9
	-8676.3	2329.6	-289.6	-11574.6	-25117.6	-39170.5
170.	-8507.7	2331.5	-288.2	-11844.0	-13065.2	59783.7
	-8507.1	2329.6	-289.6	-11574.6	-12808.9	59837.7
213.	-8338.5	2331.5	-288.2	-11844.0	-814.9	158874.3
	-8337.9	2329.6	-289.6	-11574.6	-500.2	158845.9
255.	-8169.3	2331.5	-288.2	-11844.0	11435.3	257964.8
	-8168.7	2329.6	-289.6	-11574.6	11808.6	257854.1
298.	-8000.1	2331.5	-288.2	-11844.0	23685.5	357055.4
	-7999.5	2329.6	-289.6	-11574.6	24117.3	356862.2
340.	-7830.9	2331.5	-288.2	-11844.0	35935.8	456146.0
	-7830.3	2329.6	-289.6	-11574.6	36426.0	455870.4
Asta	54	odi	44	86		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-15615.6	-837.3	-9.6	-8797.3	-3404.3	134544.2
	-15615.2	-840.0	-1.5	-8202.5	-945.2	135034.8
43.	-15446.4	-837.3	-9.6	-8797.3	-2995.0	98960.1
	-15446.0	-840.0	-1.5	-8202.5	-879.4	99332.8
85.	-15277.2	-837.3	-9.6	-8797.3	-2585.8	63376.0
	-15276.8	-840.0	-1.5	-8202.5	-813.5	63630.9
128.	-15108.0	-837.3	-9.6	-8797.3	-2176.5	27791.9
	-15107.6	-840.0	-1.5	-8202.5	-747.7	27928.9
170.	-14938.8	-837.3	-9.6	-8797.3	-1767.3	-7792.2
	-14938.4	-840.0	-1.5	-8202.5	-681.9	-7773.1
213.	-14769.6	-837.3	-9.6	-8797.3	-1358.0	-43376.3
	-14769.2	-840.0	-1.5	-8202.5	-616.1	-43475.0
255.	-14600.4	-837.3	-9.6	-8797.3	-948.8	-78960.4
	-14600.0	-840.0	-1.5	-8202.5	-550.3	-79177.0
298.	-14431.2	-837.3	-9.6	-8797.3	-539.5	-114544.5
	-14430.8	-840.0	-1.5	-8202.5	-484.5	-114879.0
340.	-14262.0	-837.3	-9.6	-8797.3	-130.2	-150128.6
	-14261.6	-840.0	-1.5	-8202.5	-418.6	-150580.9
Asta	55	odi	46	87		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-8328.4	-1415.5	-1074.2	-12527.5	-237568.6	192523.9
	-8320.6	-1417.3	-1054.2	-12383.5	-233057.1	192893.1
43.	-8159.2	-1415.5	-1074.2	-12527.5	-191915.2	132366.5
	-8151.4	-1417.3	-1054.2	-12383.5	-188254.8	132658.5
85.	-7990.0	-1415.5	-1074.2	-12527.5	-146261.7	72209.0
	-7982.2	-1417.3	-1054.2	-12383.5	-143452.5	72423.8
128.	-7820.8	-1415.5	-1074.2	-12527.5	-100608.2	12051.5
	-7813.0	-1417.3	-1054.2	-12383.5	-98650.2	12189.2
170.	-7651.6	-1415.5	-1074.2	-12527.5	-54954.8	-48106.0
	-7643.8	-1417.3	-1054.2	-12383.5	-53847.9	-48045.5
213.	-7482.4	-1415.5	-1074.2	-12527.5	-9301.3	-108263.4
	-7474.6	-1417.3	-1054.2	-12383.5	-9045.6	-108280.1
255.	-7313.2	-1415.5	-1074.2	-12527.5	36352.2	-168420.9
	-7305.4	-1417.3	-1054.2	-12383.5	35756.7	-168514.8
298.	-7144.0	-1415.5	-1074.2	-12527.5	82005.6	-228578.4
	-7136.2	-1417.3	-1054.2	-12383.5	80559.0	-228749.4
340.	-6974.8	-1415.5	-1074.2	-12527.5	127659.1	-288735.9
	-6967.0	-1417.3	-1054.2	-12383.5	125361.3	-288984.1
Asta	56	odi	48	88		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ

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0.	-11485.2	826.5	-478.2	-16705.9	-77047.4	-246640.2
	-11489.1	827.0	-460.5	-16185.5	-73313.9	-246643.6
43.	-11316.0	826.5	-478.2	-16705.9	-56725.5	-211515.3
	-11319.9	827.0	-460.5	-16185.5	-53743.6	-211497.2
85.	-11146.8	826.5	-478.2	-16705.9	-36403.6	-176390.4
	-11150.7	827.0	-460.5	-16185.5	-34173.2	-176350.9
128.	-10977.6	826.5	-478.2	-16705.9	-16081.7	-141265.5
	-10981.5	827.0	-460.5	-16185.5	-14602.9	-141204.5
170.	-10808.4	826.5	-478.2	-16705.9	4240.2	-106140.6
	-10812.3	827.0	-460.5	-16185.5	4967.5	-106058.2
213.	-10639.2	826.5	-478.2	-16705.9	24562.1	-71015.7
	-10643.1	827.0	-460.5	-16185.5	24537.8	-70911.8
255.	-10470.0	826.5	-478.2	-16705.9	44884.0	-35890.8
	-10473.9	827.0	-460.5	-16185.5	44108.2	-35765.5
298.	-10300.8	826.5	-478.2	-16705.9	65205.9	-765.9
	-10304.7	827.0	-460.5	-16185.5	63678.5	-619.1
340.	-10131.6	826.5	-478.2	-16705.9	85527.8	34358.9
	-10135.5	827.0	-460.5	-16185.5	83248.9	34527.2
Asta	57	odi	50	89		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-13763.6	-577.0	-15.5	4565.7	-1663.1	92197.9
	-13763.9	-578.0	-12.3	4046.7	-941.6	92392.8
43.	-13594.3	-577.0	-15.5	4565.7	-1002.7	67677.4
	-13594.7	-578.0	-12.3	4046.7	-420.2	67827.8
85.	-13425.1	-577.0	-15.5	4565.7	-342.2	43156.9
	-13425.5	-578.0	-12.3	4046.7	101.1	43262.7
128.	-13255.9	-577.0	-15.5	4565.7	318.3	18636.4
	-13256.3	-578.0	-12.3	4046.7	622.5	18697.6
170.	-13086.7	-577.0	-15.5	4565.7	978.7	-5884.1
	-13087.1	-578.0	-12.3	4046.7	1143.8	-5867.4
213.	-12917.5	-577.0	-15.5	4565.7	1639.2	-30404.6
	-12917.9	-578.0	-12.3	4046.7	1665.2	-30432.5
255.	-12748.3	-577.0	-15.5	4565.7	2299.6	-54925.1
	-12748.7	-578.0	-12.3	4046.7	2186.5	-54997.6
298.	-12579.1	-577.0	-15.5	4565.7	2960.1	-79445.5
	-12579.5	-578.0	-12.3	4046.7	2707.9	-79562.6
340.	-12409.9	-577.0	-15.5	4565.7	3620.5	-103966.0
	-12410.3	-578.0	-12.3	4046.7	3229.2	-104127.7
Asta	58	odi	52	90		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-13684.9	-396.8	13.5	3462.9	3966.0	69896.8
	-13684.6	-397.8	10.8	2866.8	3386.6	70079.9
43.	-13515.7	-396.8	13.5	3462.9	3391.2	53032.1
	-13515.4	-397.8	10.8	2866.8	2929.3	53173.7
85.	-13346.5	-396.8	13.5	3462.9	2816.5	36167.4
	-13346.2	-397.8	10.8	2866.8	2472.1	36267.5
128.	-13177.3	-396.8	13.5	3462.9	2241.7	19302.7
	-13177.0	-397.8	10.8	2866.8	2014.8	19361.3
170.	-13008.0	-396.8	13.5	3462.9	1667.0	2438.0
	-13007.8	-397.8	10.8	2866.8	1557.6	2455.0
213.	-12838.8	-396.8	13.5	3462.9	1092.3	-14426.8
	-12838.6	-397.8	10.8	2866.8	1100.3	-14451.2
255.	-12669.6	-396.8	13.5	3462.9	517.5	-31291.5
	-12669.4	-397.8	10.8	2866.8	643.1	-31357.4
298.	-12500.4	-396.8	13.5	3462.9	-57.2	-48156.2
	-12500.2	-397.8	10.8	2866.8	185.8	-48263.7
340.	-12331.2	-396.8	13.5	3462.9	-632.0	-65020.9
	-12331.0	-397.8	10.8	2866.8	-271.5	-65169.9
Asta	59	odi	54	91		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-11714.4	-108.2	-9.7	17160.7	724.1	17349.1
	-11714.7	-108.8	-5.8	17770.5	1791.6	17482.7
43.	-11545.2	-108.2	-9.7	17160.7	1137.7	12752.3
	-11545.5	-108.8	-5.8	17770.5	2039.8	12858.2
85.	-11376.0	-108.2	-9.7	17160.7	1551.4	8155.5
	-11376.3	-108.8	-5.8	17770.5	2288.0	8233.7
128.	-11206.8	-108.2	-9.7	17160.7	1965.1	3558.7
	-11207.1	-108.8	-5.8	17770.5	2536.2	3609.2
170.	-11037.6	-108.2	-9.7	17160.7	2378.8	-1038.1
	-11037.9	-108.8	-5.8	17770.5	2784.4	-1015.4
213.	-10868.4	-108.2	-9.7	17160.7	2792.5	-5634.9
	-10868.7	-108.8	-5.8	17770.5	3032.5	-5639.9
255.	-10699.2	-108.2	-9.7	17160.7	3206.1	-10231.8
	-10699.5	-108.8	-5.8	17770.5	3280.7	-10264.4
298.	-10530.0	-108.2	-9.7	17160.7	3619.8	-14828.6
	-10530.3	-108.8	-5.8	17770.5	3528.9	-14888.9
340.	-10360.7	-108.2	-9.7	17160.7	4033.5	-19425.4
	-10361.1	-108.8	-5.8	17770.5	3777.1	-19513.4
Asta	60	odi	56	92		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-26522.1	960.8	-223.2	2125.2	-70967.3	-327782.5
	-26522.9	962.7	-210.5	2902.7	-67520.2	-328097.6
43.	-26352.9	960.8	-223.2	2125.2	-61482.8	-286949.0
	-26353.7	962.7	-210.5	2902.7	-58574.3	-287181.0
85.	-26183.7	960.8	-223.2	2125.2	-51998.3	-246115.4
	-26184.5	962.7	-210.5	2902.7	-49628.4	-246264.4
128.	-26014.5	960.8	-223.2	2125.2	-42513.8	-205281.9
	-26015.3	962.7	-210.5	2902.7	-40682.5	-205347.9
170.	-25845.3	960.8	-223.2	2125.2	-33029.3	-164448.4
	-25846.1	962.7	-210.5	2902.7	-31736.5	-164431.3

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213.	-25676.1	960.8	-223.2	2125.2	-23544.8	-123614.8
	-25676.9	962.7	-210.5	2902.7	-22790.6	-123514.7
255.	-25506.9	960.8	-223.2	2125.2	-14060.3	-82781.3
	-25507.7	962.7	-210.5	2902.7	-13844.7	-82598.1
298.	-25337.7	960.8	-223.2	2125.2	-4575.8	-41947.7
	-25338.5	962.7	-210.5	2902.7	-4898.8	-41681.5
340.	-25168.5	960.8	-223.2	2125.2	4908.7	-1114.2
	-25169.3	962.7	-210.5	2902.7	4047.2	-764.9
Asta	61	nodì	58	93		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-16361.1	-715.1	-8.8	1914.5	-3567.0	104683.9
	-16361.1	-714.7	1.2	1692.8	-856.4	104611.3
43.	-16191.9	-715.1	-8.8	1914.5	-3192.1	74290.3
	-16191.9	-714.7	1.2	1692.8	-907.1	74234.4
85.	-16022.7	-715.1	-8.8	1914.5	-2817.3	43896.7
	-16022.7	-714.7	1.2	1692.8	-957.8	43857.6
128.	-15853.5	-715.1	-8.8	1914.5	-2442.5	13503.1
	-15853.5	-714.7	1.2	1692.8	-1008.6	13480.8
170.	-15684.3	-715.1	-8.8	1914.5	-2067.7	-16890.5
	-15684.3	-714.7	1.2	1692.8	-1059.3	-16896.1
213.	-15515.1	-715.1	-8.8	1914.5	-1692.8	-47284.1
	-15515.1	-714.7	1.2	1692.8	-1110.0	-47272.9
255.	-15345.9	-715.1	-8.8	1914.5	-1318.0	-77677.8
	-15345.9	-714.7	1.2	1692.8	-1160.7	-77649.7
298.	-15176.7	-715.1	-8.8	1914.5	-943.2	-108071.4
	-15176.7	-714.7	1.2	1692.8	-1211.4	-108026.5
340.	-15007.5	-715.1	-8.8	1914.5	-568.4	-138465.0
	-15007.5	-714.7	1.2	1692.8	-1262.1	-138403.4
Asta	62	nodì	60	94		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-15472.1	709.0	-10.7	2822.9	-3719.7	-93886.4
	-15472.0	709.4	-3.0	3513.7	-1465.3	-93960.0
43.	-15302.9	709.0	-10.7	2822.9	-3266.1	-63755.2
	-15302.8	709.4	-3.0	3513.7	-1337.3	-63811.6
85.	-15133.7	709.0	-10.7	2822.9	-2812.5	-33623.9
	-15133.6	709.4	-3.0	3513.7	-1209.3	-33663.1
128.	-14964.5	709.0	-10.7	2822.9	-2358.8	-3492.7
	-14964.4	709.4	-3.0	3513.7	-1081.3	-3514.7
170.	-14795.3	709.0	-10.7	2822.9	-1905.2	26638.5
	-14795.2	709.4	-3.0	3513.7	-953.3	26633.7
213.	-14626.1	709.0	-10.7	2822.9	-1451.6	56769.8
	-14626.0	709.4	-3.0	3513.7	-825.2	56782.1
255.	-14456.9	709.0	-10.7	2822.9	-998.0	86901.0
	-14456.8	709.4	-3.0	3513.7	-697.2	86930.5
298.	-14287.7	709.0	-10.7	2822.9	-544.4	117032.3
	-14287.6	709.4	-3.0	3513.7	-569.2	117078.9
340.	-14118.5	709.0	-10.7	2822.9	-90.8	147163.5
	-14118.4	709.4	-3.0	3513.7	-441.2	147227.3
Asta	63	nodì	62	95		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-11759.1	345.5	-6.1	3000.2	-1287.6	-51352.3
	-11759.0	345.9	-6.2	3645.5	-1081.7	-51434.8
43.	-11589.9	345.5	-6.1	3000.2	-1026.7	-36669.5
	-11589.8	345.9	-6.2	3645.5	-817.2	-36732.2
85.	-11420.7	345.5	-6.1	3000.2	-765.7	-21986.7
	-11420.6	345.9	-6.2	3645.5	-552.6	-22029.6
128.	-11251.5	345.5	-6.1	3000.2	-504.8	-7303.9
	-11251.4	345.9	-6.2	3645.5	-288.1	-7327.0
170.	-11082.3	345.5	-6.1	3000.2	-243.8	7378.9
	-11082.2	345.9	-6.2	3645.5	-23.5	7375.6
213.	-10913.1	345.5	-6.1	3000.2	17.1	22061.7
	-10913.0	345.9	-6.2	3645.5	241.0	22078.2
255.	-10743.9	345.5	-6.1	3000.2	278.1	36744.5
	-10743.8	345.9	-6.2	3645.5	505.6	36780.8
298.	-10574.6	345.5	-6.1	3000.2	539.1	51427.3
	-10574.6	345.9	-6.2	3645.5	770.1	51483.5
340.	-10405.4	345.5	-6.1	3000.2	800.0	66110.2
	-10405.4	345.9	-6.2	3645.5	1034.7	66186.1
Asta	64	nodì	64	96		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-11832.8	331.4	54.4	1694.2	15487.3	-45750.9
	-11832.7	331.9	50.8	1788.0	14681.9	-45847.3
43.	-11663.6	331.4	54.4	1694.2	13175.1	-31667.6
	-11663.5	331.9	50.8	1788.0	12521.0	-31740.2
85.	-11494.4	331.4	54.4	1694.2	10862.9	-17584.4
	-11494.3	331.9	50.8	1788.0	10360.0	-17633.1
128.	-11325.2	331.4	54.4	1694.2	8550.7	-3501.2
	-11325.1	331.9	50.8	1788.0	8199.1	-3526.0
170.	-11156.0	331.4	54.4	1694.2	6238.5	10582.0
	-11155.9	331.9	50.8	1788.0	6038.2	10581.1
213.	-10986.8	331.4	54.4	1694.2	3926.2	24665.2
	-10986.7	331.9	50.8	1788.0	3877.2	24688.2
255.	-10817.6	331.4	54.4	1694.2	1614.0	38748.4
	-10817.5	331.9	50.8	1788.0	1716.3	38795.3
298.	-10648.4	331.4	54.4	1694.2	-698.2	52831.6
	-10648.2	331.9	50.8	1788.0	-444.6	52902.4
340.	-10479.2	331.4	54.4	1694.2	-3010.4	66914.8
	-10479.0	331.9	50.8	1788.0	-2605.6	67009.5
Asta	65	nodì	92	97		

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PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3726.1	-1064.3	0.4	2669.6	-1006.1	156260.5
	-3725.6	-1063.9	11.1	4073.6	1285.4	156201.9
40.	-3566.8	-1064.3	0.4	2669.6	-1020.2	113688.3
	-3566.4	-1063.9	11.1	4073.6	842.1	113647.1
80.	-3407.6	-1064.3	0.4	2669.6	-1034.3	71116.1
	-3407.1	-1063.9	11.1	4073.6	398.8	71092.4
120.	-3248.3	-1064.3	0.4	2669.6	-1048.4	28543.8
	-3247.9	-1063.9	11.1	4073.6	-44.4	28537.6
160.	-3089.1	-1064.3	0.4	2669.6	-1062.5	-14028.4
	-3088.6	-1063.9	11.1	4073.6	-487.7	-14017.2
200.	-2929.8	-1064.3	0.4	2669.6	-1076.6	-56600.7
	-2929.4	-1063.9	11.1	4073.6	-931.0	-56572.0
240.	-2770.6	-1064.3	0.4	2669.6	-1090.7	-99172.9
	-2770.1	-1063.9	11.1	4073.6	-1374.3	-99126.8
280.	-2611.3	-1064.3	0.4	2669.6	-1104.8	-141745.2
	-2610.9	-1063.9	11.1	4073.6	-1817.6	-141681.6
320.	-2452.1	-1064.3	0.4	2669.6	-1118.9	-184317.4
	-2451.6	-1063.9	11.1	4073.6	-2260.8	-184236.4

Asta	66	nod	77	98		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-616.8	-34.6	-13.6	223.9	-1666.9	-26077.6
	-617.6	-34.7	-10.3	1341.6	-650.0	-26025.9
40.	-457.5	-34.6	-13.6	223.9	-1122.4	-27461.1
	-458.4	-34.7	-10.3	1341.6	-237.4	-27413.8
80.	-298.3	-34.6	-13.6	223.9	-577.9	-28844.7
	-299.1	-34.7	-10.3	1341.6	175.3	-28801.6
120.	-139.0	-34.6	-13.6	223.9	-33.5	-30228.2
	-139.9	-34.7	-10.3	1341.6	587.9	-30189.5
160.	20.2	-34.6	-13.6	223.9	511.0	-31611.8
	19.4	-34.7	-10.3	1341.6	1000.6	-31577.3
200.	179.5	-34.6	-13.6	223.9	1055.5	-32995.4
	178.6	-34.7	-10.3	1341.6	1413.2	-32965.2
240.	338.7	-34.6	-13.6	223.9	1599.9	-34378.9
	337.9	-34.7	-10.3	1341.6	1825.8	-34353.0
280.	498.0	-34.6	-13.6	223.9	2144.4	-35762.5
	497.1	-34.7	-10.3	1341.6	2238.5	-35740.9
320.	657.2	-34.6	-13.6	223.9	2688.9	-37146.1
	656.4	-34.7	-10.3	1341.6	2651.1	-37128.7

Asta	67	nod	76	99		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2815.4	1098.9	8.1	-4916.5	1016.9	-203091.1
	-2815.1	1098.6	4.4	-3386.9	1020.6	-203024.5
40.	-2656.2	1098.9	8.1	-4916.5	693.6	-159135.3
	-2655.8	1098.6	4.4	-3386.9	844.2	-159081.8
80.	-2496.9	1098.9	8.1	-4916.5	370.2	-115179.5
	-2496.6	1098.6	4.4	-3386.9	667.9	-115139.2
120.	-2337.7	1098.9	8.1	-4916.5	46.8	-71223.7
	-2337.3	1098.6	4.4	-3386.9	491.5	-71196.6
160.	-2178.4	1098.9	8.1	-4916.5	-276.5	-27267.9
	-2178.1	1098.6	4.4	-3386.9	315.2	-27253.9
200.	-2019.2	1098.9	8.1	-4916.5	-599.9	16687.9
	-2018.8	1098.6	4.4	-3386.9	138.8	16688.7
240.	-1859.9	1098.9	8.1	-4916.5	-923.3	60643.7
	-1859.6	1098.6	4.4	-3386.9	-37.5	60631.4
280.	-1700.7	1098.9	8.1	-4916.5	-1246.6	104599.5
	-1700.3	1098.6	4.4	-3386.9	-213.9	104574.0
320.	-1541.4	1098.9	8.1	-4916.5	-1570.0	148555.3
	-1541.1	1098.6	4.4	-3386.9	-390.3	148516.7

Asta	68	nod	70	100		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3165.0	1298.1	7.1	7320.1	5680.2	-211534.7
	-3165.3	1298.1	9.4	7855.7	6919.9	-211483.6
40.	-3005.7	1298.1	7.1	7320.1	5395.2	-159608.8
	-3006.0	1298.1	9.4	7855.7	6542.3	-159559.8
80.	-2846.5	1298.1	7.1	7320.1	5110.2	-107683.0
	-2846.8	1298.1	9.4	7855.7	6164.7	-107636.0
120.	-2687.2	1298.1	7.1	7320.1	4825.2	-55757.1
	-2687.5	1298.1	9.4	7855.7	5787.1	-55712.3
160.	-2528.0	1298.1	7.1	7320.1	4540.1	-3831.2
	-2528.3	1298.1	9.4	7855.7	5409.6	-3788.5
200.	-2368.7	1298.1	7.1	7320.1	4255.1	48094.7
	-2369.0	1298.1	9.4	7855.7	5032.0	48135.3
240.	-2209.5	1298.1	7.1	7320.1	3970.1	100020.6
	-2209.8	1298.1	9.4	7855.7	4654.4	100059.1
280.	-2050.2	1298.1	7.1	7320.1	3685.1	151946.5
	-2050.5	1298.1	9.4	7855.7	4276.8	151982.9
320.	-1891.0	1298.1	7.1	7320.1	3400.0	203872.4
	-1891.3	1298.1	9.4	7855.7	3899.2	203906.7

Asta	69	nod	71	101		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-926.1	516.6	5.9	3522.7	1061.8	-51644.5
	-925.9	516.7	10.6	4114.7	2450.6	-51629.9
40.	-766.9	516.6	5.9	3522.7	824.8	-30981.1
	-766.7	516.7	10.6	4114.7	2027.5	-30962.4
80.	-607.6	516.6	5.9	3522.7	587.8	-10317.8
	-607.4	516.7	10.6	4114.7	1604.5	-10294.9
120.	-448.4	516.6	5.9	3522.7	350.8	10345.5
	-448.2	516.7	10.6	4114.7	1181.4	10372.6
160.	-289.1	516.6	5.9	3522.7	113.9	31008.8

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200.	-288.9	516.7	10.6	4114.7	758.3	31040.1
	-129.9	516.6	5.9	3522.7	-123.1	51672.1
	-129.7	516.7	10.6	4114.7	335.3	51707.6
240.	29.4	516.6	5.9	3522.7	-360.1	72335.4
	29.6	516.7	10.6	4114.7	-87.8	72375.1
280.	188.6	516.6	5.9	3522.7	-597.0	92998.8
	188.8	516.7	10.6	4114.7	-510.8	93042.6
320.	347.9	516.6	5.9	3522.7	-834.0	113662.1
	348.1	516.7	10.6	4114.7	-933.9	113710.1
Asta	70	nod	72	102		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1606.5	-381.0	3.4	2430.5	-697.4	35066.2
	-1606.5	-381.0	7.1	2695.5	313.0	35097.1
40.	-1447.3	-381.0	3.4	2430.5	-834.6	19826.7
	-1447.3	-381.0	7.1	2695.5	27.7	19857.9
80.	-1288.0	-381.0	3.4	2430.5	-971.7	4587.2
	-1288.0	-381.0	7.1	2695.5	-257.5	4618.7
120.	-1128.8	-381.0	3.4	2430.5	-1108.8	-10652.2
	-1128.8	-381.0	7.1	2695.5	-542.7	-10620.6
160.	-969.5	-381.0	3.4	2430.5	-1246.0	-25891.7
	-969.5	-381.0	7.1	2695.5	-827.9	-25859.8
200.	-810.3	-381.0	3.4	2430.5	-1383.1	-41131.1
	-810.3	-381.0	7.1	2695.5	-1113.2	-41099.1
240.	-651.0	-381.0	3.4	2430.5	-1520.2	-56370.6
	-651.0	-381.0	7.1	2695.5	-1398.4	-56338.3
280.	-491.8	-381.0	3.4	2430.5	-1657.3	-71610.1
	-491.8	-381.0	7.1	2695.5	-1683.6	-71577.5
320.	-332.5	-381.0	3.4	2430.5	-1794.5	-86849.5
	-332.5	-381.0	7.1	2695.5	-1968.8	-86816.8
Asta	71	nod	73	103		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2864.1	-1433.7	-24.9	-219.8	-8751.8	267170.1
	-2863.9	-1433.8	-18.7	1.4	-6976.2	267209.6
40.	-2704.8	-1433.7	-24.9	-219.8	-7754.2	209820.3
	-2704.7	-1433.8	-18.7	1.4	-6228.8	209857.5
80.	-2545.6	-1433.7	-24.9	-219.8	-6756.7	152470.6
	-2545.4	-1433.8	-18.7	1.4	-5481.3	152505.5
120.	-2386.3	-1433.7	-24.9	-219.8	-5759.2	95120.9
	-2386.2	-1433.8	-18.7	1.4	-4733.8	95153.5
160.	-2227.1	-1433.7	-24.9	-219.8	-4761.6	37771.1
	-2226.9	-1433.8	-18.7	1.4	-3986.4	37801.4
200.	-2067.8	-1433.7	-24.9	-219.8	-3764.1	-19578.6
	-2067.7	-1433.8	-18.7	1.4	-3238.9	-19550.6
240.	-1908.6	-1433.7	-24.9	-219.8	-2766.6	-76928.4
	-1908.4	-1433.8	-18.7	1.4	-2491.4	-76902.7
280.	-1749.3	-1433.7	-24.9	-219.8	-1769.1	-134278.1
	-1749.2	-1433.8	-18.7	1.4	-1744.0	-134254.7
320.	-1590.1	-1433.7	-24.9	-219.8	-771.5	-191627.9
	-1589.9	-1433.8	-18.7	1.4	-996.5	-191606.7
Asta	72	nod	63	9		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2747.9	6493.5	-119.5	-23697.1	-14655.7	-253791.2
	-2749.9	6493.5	-117.7	-23763.0	-14625.7	-253786.9
34.	-2747.9	4776.7	-119.5	-23697.1	-10563.5	-60789.0
	-2749.9	4776.7	-117.7	-23763.0	-10594.0	-60785.4
69.	-2747.9	3059.8	-119.5	-23697.1	-6471.3	73411.1
	-2749.9	3059.8	-117.7	-23763.0	-6562.2	73414.0
103.	-2747.9	1343.0	-119.5	-23697.1	-2379.1	148809.0
	-2749.9	1342.9	-117.7	-23763.0	-2530.5	148811.1
137.	-2747.9	-373.9	-119.5	-23697.1	1713.2	165404.6
	-2749.9	-373.9	-117.7	-23763.0	1501.3	165406.0
171.	-2747.9	-2090.7	-119.5	-23697.1	5805.4	123198.0
	-2749.9	-2090.8	-117.7	-23763.0	5533.0	123198.7
206.	-2747.9	-3807.6	-119.5	-23697.1	9897.6	22189.2
	-2749.9	-3807.6	-117.7	-23763.0	9564.7	22189.2
240.	-2747.9	-5524.4	-119.5	-23697.1	13989.8	-137621.8
	-2749.9	-5524.5	-117.7	-23763.0	13596.5	-137622.6
274.	-2747.9	-7241.3	-119.5	-23697.1	18082.1	-356235.1
	-2749.9	-7241.3	-117.7	-23763.0	17628.2	-356236.5
Asta	73	nod	1	3		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3890.9	9997.1	11.4	17204.3	527.7	-653595.5
	-3890.0	9997.1	13.5	17455.6	943.5	-653604.8
50.	-3890.9	7512.6	11.4	17204.3	-36.5	-219683.2
	-3890.0	7512.7	13.5	17455.6	275.0	-219690.5
99.	-3890.9	5028.2	11.4	17204.3	-600.7	91094.7
	-3890.0	5028.3	13.5	17455.6	-393.6	91089.6
149.	-3890.9	2543.8	11.4	17204.3	-1164.9	278738.4
	-3890.0	2543.8	13.5	17455.6	-1062.2	278735.4
198.	-3890.9	59.4	11.4	17204.3	-1729.2	343247.8
	-3890.0	59.4	13.5	17455.6	-1730.8	343246.9
248.	-3890.9	-2425.1	11.4	17204.3	-2293.4	284623.0
	-3890.0	-2425.0	13.5	17455.6	-2399.3	284624.1
297.	-3890.9	-4909.5	11.4	17204.3	-2857.6	102863.8
	-3890.0	-4909.4	13.5	17455.6	-3067.9	102867.0
347.	-3890.9	-7393.9	11.4	17204.3	-3421.8	-202029.7
	-3890.0	-7393.9	13.5	17455.6	-3736.5	-202024.4
397.	-3890.9	-9878.3	11.4	17204.3	-3986.1	-630057.4
	-3890.0	-9878.3	13.5	17455.6	-4405.1	-630050.0

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Asta PROGR.	74 NORM	nod TY	3 TZZ	5 TORS	MY	MZ
0.	-4345.2	10184.3	-21.3	-2187.7	-4637.3	-698699.1
	-4344.7	10184.4	-21.0	-2111.4	-4897.4	-698707.8
50.	-4345.2	7678.0	-21.3	-2187.7	-3571.3	-252141.3
	-4344.7	7678.0	-21.0	-2111.4	-3848.6	-252147.9
100.	-4345.2	5171.6	-21.3	-2187.7	-2505.4	69098.8
	-4344.7	5171.7	-21.0	-2111.4	-2799.8	69094.3
150.	-4345.2	2665.3	-21.3	-2187.7	-1439.4	265021.1
	-4344.7	2665.3	-21.0	-2111.4	-1750.9	265018.7
200.	-4345.2	158.9	-21.3	-2187.7	-373.4	335625.7
	-4344.7	159.0	-21.0	-2111.4	-702.1	335625.3
250.	-4345.2	-2347.4	-21.3	-2187.7	692.6	280912.5
	-4344.7	-2347.4	-21.0	-2111.4	346.8	280914.2
300.	-4345.2	-4853.8	-21.3	-2187.7	1758.5	100881.6
	-4344.7	-4853.8	-21.0	-2111.4	1395.6	100885.3
350.	-4345.2	-7360.2	-21.3	-2187.7	2824.5	-204467.1
	-4344.7	-7360.1	-21.0	-2111.4	2444.5	-204461.3
400.	-4345.2	-9866.5	-21.3	-2187.7	3890.5	-635133.5
	-4344.7	-9866.5	-21.0	-2111.4	3493.3	-635125.6
Asta PROGR.	75 NORM	nod TY	5 TZZ	7 TORS	MY	MZ
0.	-4513.7	10252.0	-2.1	-2130.6	-114.9	-701747.9
	-4513.5	10252.0	-3.7	-2367.6	-558.0	-701756.5
50.	-4513.7	7730.0	-2.1	-2130.6	-8.2	-249388.7
	-4513.5	7730.0	-3.7	-2367.6	-372.3	-249395.2
101.	-4513.7	5208.0	-2.1	-2130.6	98.5	76081.3
	-4513.5	5208.0	-3.7	-2367.6	-186.6	76076.9
151.	-4513.7	2685.9	-2.1	-2130.6	205.1	274662.3
	-4513.5	2686.0	-3.7	-2367.6	-0.9	274660.0
201.	-4513.7	163.9	-2.1	-2130.6	311.8	346354.1
	-4513.5	164.0	-3.7	-2367.6	184.8	346353.9
252.	-4513.7	-2358.1	-2.1	-2130.6	418.5	291156.8
	-4513.5	-2358.1	-3.7	-2367.6	370.5	291158.7
302.	-4513.7	-4880.1	-2.1	-2130.6	525.2	109070.4
	-4513.5	-4880.1	-3.7	-2367.6	556.3	109074.4
352.	-4513.7	-7402.1	-2.1	-2130.6	631.8	-199905.1
	-4513.5	-7402.1	-3.7	-2367.6	742.0	-199899.0
403.	-4513.7	-9924.2	-2.1	-2130.6	738.5	-635769.8
	-4513.5	-9924.1	-3.7	-2367.6	927.7	-635761.6
Asta PROGR.	76 NORM	nod TY	7 TZZ	57 TORS	MY	MZ
0.	-3540.6	7563.3	-3.0	-1494.9	-441.7	-395836.0
	-3540.9	7563.4	-4.0	-1711.5	-457.4	-395847.2
37.	-3540.6	5708.6	-3.0	-1494.9	-329.3	-150304.8
	-3540.9	5708.7	-4.0	-1711.5	-307.8	-150313.2
74.	-3540.6	3853.9	-3.0	-1494.9	-217.0	26602.4
	-3540.9	3854.0	-4.0	-1711.5	-158.2	26596.8
111.	-3540.6	1999.2	-3.0	-1494.9	-104.7	134885.6
	-3540.9	1999.3	-4.0	-1711.5	-8.5	134882.9
148.	-3540.6	144.5	-3.0	-1494.9	7.7	174544.8
	-3540.9	144.6	-4.0	-1711.5	141.1	174544.9
185.	-3540.6	-1710.2	-3.0	-1494.9	120.0	145579.9
	-3540.9	-1710.1	-4.0	-1711.5	290.7	145582.9
222.	-3540.6	-3564.9	-3.0	-1494.9	232.3	47991.1
	-3540.9	-3564.8	-4.0	-1711.5	440.3	47996.9
259.	-3540.6	-5419.6	-3.0	-1494.9	344.7	-118221.7
	-3540.9	-5419.5	-4.0	-1711.5	589.9	-118213.0
296.	-3540.6	-7274.3	-3.0	-1494.9	457.0	-353058.5
	-3540.9	-7274.2	-4.0	-1711.5	739.5	-353047.0
Asta PROGR.	77 NORM	nod TY	57 TZZ	59 TORS	MY	MZ
0.	-4605.2	8909.9	0.7	-1173.4	157.8	-519063.9
	-4606.0	8909.9	1.0	-1207.6	437.3	-519072.4
44.	-4605.2	6682.3	0.7	-1173.4	124.8	-172625.2
	-4606.0	6682.4	1.0	-1207.6	394.4	-172631.4
89.	-4605.2	4454.8	0.7	-1173.4	91.8	74827.9
	-4606.0	4454.9	1.0	-1207.6	351.5	74823.9
133.	-4605.2	2227.3	0.7	-1173.4	58.7	223295.5
	-4606.0	2227.3	1.0	-1207.6	308.6	223293.8
178.	-4605.2	-0.2	0.7	-1173.4	25.7	272777.6
	-4606.0	-0.2	1.0	-1207.6	265.7	272778.0
222.	-4605.2	-2227.8	0.7	-1173.4	-7.3	223274.1
	-4606.0	-2227.7	1.0	-1207.6	222.8	223276.8
267.	-4605.2	-4455.3	0.7	-1173.4	-40.3	74785.0
	-4606.0	-4455.2	1.0	-1207.6	179.9	74789.9
311.	-4605.2	-6682.8	0.7	-1173.4	-73.4	-172689.6
	-4606.0	-6682.8	1.0	-1207.6	137.0	-172682.5
356.	-4605.2	-8910.3	0.7	-1173.4	-106.4	-519149.8
	-4606.0	-8910.3	1.0	-1207.6	94.1	-519140.4
Asta PROGR.	78 NORM	nod TY	59 TZZ	61 TORS	MY	MZ
0.	-4517.5	7455.4	0.3	-1032.2	744.8	-370438.6
	-4518.8	7455.5	1.5	-851.8	1120.3	-370445.5
37.	-4517.5	5597.6	0.3	-1032.2	732.6	-128549.7
	-4518.8	5597.6	1.5	-851.8	1063.1	-128554.7
74.	-4517.5	3739.8	0.3	-1032.2	720.4	44483.1
	-4518.8	3739.8	1.5	-851.8	1005.9	44480.0
111.	-4517.5	1881.9	0.3	-1032.2	708.2	148659.9
	-4518.8	1882.0	1.5	-851.8	948.7	148658.7

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148.	-4517.5	24.1	0.3	-1032.2	696.1	183980.7
	-4518.8	24.1	1.5	-851.8	891.5	183981.4
185.	-4517.5	-1833.7	0.3	-1032.2	683.9	150445.4
	-4518.8	-1833.7	1.5	-851.8	834.3	150448.1
222.	-4517.5	-3691.6	0.3	-1032.2	671.7	48054.1
	-4518.8	-3691.5	1.5	-851.8	777.1	48058.7
259.	-4517.5	-5549.4	0.3	-1032.2	659.5	-123193.2
	-4518.8	-5549.4	1.5	-851.8	719.9	-123186.7
297.	-4517.5	-7407.3	0.3	-1032.2	647.3	-363296.5
	-4518.8	-7407.2	1.5	-851.8	662.6	-363288.2
Asta	79	odi	61	63		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-4252.4	6438.5	51.9	-2473.4	4447.9	-260875.7
	-4254.2	6438.5	52.9	-2319.8	4590.0	-260876.7
34.	-4252.4	4753.0	51.9	-2473.4	2701.1	-72718.2
	-4254.2	4753.0	52.9	-2319.8	2812.2	-72718.7
67.	-4252.4	3067.5	51.9	-2473.4	954.3	58763.6
	-4254.2	3067.5	52.9	-2319.8	1034.4	58763.6
101.	-4252.4	1382.0	51.9	-2473.4	-792.4	133569.6
	-4254.2	1382.0	52.9	-2319.8	-743.4	133570.1
135.	-4252.4	-303.6	51.9	-2473.4	-2539.2	151699.9
	-4254.2	-303.6	52.9	-2319.8	-2521.2	151700.9
168.	-4252.4	-1989.1	51.9	-2473.4	-4286.0	113154.4
	-4254.2	-1989.1	52.9	-2319.8	-4299.0	113156.0
202.	-4252.4	-3674.6	51.9	-2473.4	-6032.8	17933.3
	-4254.2	-3674.6	52.9	-2319.8	-6076.8	17935.3
235.	-4252.4	-5360.1	51.9	-2473.4	-7779.5	-133963.7
	-4254.2	-5360.1	52.9	-2319.8	-7854.6	-133961.1
269.	-4252.4	-7045.7	51.9	-2473.4	-9526.3	-342536.3
	-4254.2	-7045.7	52.9	-2319.8	-9632.3	-342533.3
Asta	80	odi	49	31		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	2061.5	5739.9	44.4	-7843.2	-1178.0	-344761.0
	2058.6	5740.0	37.9	-7990.0	-1679.6	-344770.4
39.	2061.5	4395.4	44.4	-7843.2	-2906.0	-147439.9
	2058.6	4395.4	37.9	-7990.0	-3156.2	-147445.8
78.	2061.5	3050.8	44.4	-7843.2	-4634.0	-2472.4
	2058.6	3050.9	37.9	-7990.0	-4632.8	-2475.0
117.	2061.5	1706.2	44.4	-7843.2	-6362.0	90141.2
	2058.6	1706.3	37.9	-7990.0	-6109.4	90142.1
156.	2061.5	361.7	44.4	-7843.2	-8090.0	130401.2
	2058.6	361.8	37.9	-7990.0	-7586.0	130405.4
195.	2061.5	-982.9	44.4	-7843.2	-9818.0	118307.3
	2058.6	-982.8	37.9	-7990.0	-9062.6	118315.0
234.	2061.5	-2327.4	44.4	-7843.2	-11546.0	53859.8
	2058.6	-2327.3	37.9	-7990.0	-10539.2	53870.9
273.	2061.5	-3672.0	44.4	-7843.2	-13274.0	-62941.6
	2058.6	-3671.9	37.9	-7990.0	-12015.8	-62927.1
312.	2061.5	-5016.6	44.4	-7843.2	-15001.9	-232096.7
	2058.6	-5016.5	37.9	-7990.0	-13492.4	-232078.7
Asta	81	odi	51	49		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	3304.2	5674.5	21.5	1708.0	-461.2	-312362.1
	3304.4	5674.5	20.8	1664.9	-904.4	-312354.1
41.	3304.2	4258.7	21.5	1708.0	-1342.1	-108730.1
	3304.4	4258.7	20.8	1664.9	-1758.1	-108724.0
82.	3304.2	2843.0	21.5	1708.0	-2223.0	36855.0
	3304.4	2842.9	20.8	1664.9	-2611.8	36859.1
123.	3304.2	1427.2	21.5	1708.0	-3103.9	124393.1
	3304.4	1427.1	20.8	1664.9	-3465.5	124395.3
164.	3304.2	11.4	21.5	1708.0	-3984.8	153884.3
	3304.4	11.4	20.8	1664.9	-4319.2	153884.5
205.	3304.2	-1404.4	21.5	1708.0	-4865.7	125328.5
	3304.4	-1404.4	20.8	1664.9	-5172.9	125326.8
246.	3304.2	-2820.2	21.5	1708.0	-5746.6	38725.8
	3304.4	-2820.2	20.8	1664.9	-6026.6	38722.1
287.	3304.2	-4235.9	21.5	1708.0	-6627.5	-105923.9
	3304.4	-4236.0	20.8	1664.9	-6880.3	-105929.5
328.	3304.2	-5651.7	21.5	1708.0	-7508.4	-308620.5
	3304.4	-5651.8	20.8	1664.9	-7733.9	-308628.1
Asta	82	odi	29	51		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	52.2	4929.7	33.7	11396.1	7284.8	-218751.3
	54.7	4929.8	31.7	11620.4	6575.6	-218761.9
38.	52.2	3602.5	33.7	11396.1	5987.9	-54773.0
	54.7	3602.5	31.7	11620.4	5357.5	-54782.3
77.	52.2	2275.2	33.7	11396.1	4691.1	58187.5
	54.7	2275.2	31.7	11620.4	4139.4	58179.5
115.	52.2	947.9	33.7	11396.1	3394.2	120130.2
	54.7	947.9	31.7	11620.4	2921.3	120123.4
154.	52.2	-379.4	33.7	11396.1	2097.4	131055.1
	54.7	-379.4	31.7	11620.4	1703.2	131049.6
192.	52.2	-1706.7	33.7	11396.1	800.5	90962.1
	54.7	-1706.7	31.7	11620.4	485.1	90957.9
231.	52.2	-3034.0	33.7	11396.1	-496.3	-148.7
	54.7	-3034.0	31.7	11620.4	-733.0	-151.7
269.	52.2	-4361.3	33.7	11396.1	-1793.2	-142277.3
	54.7	-4361.3	31.7	11620.4	-1951.1	-142279.0
308.	52.2	-5688.6	33.7	11396.1	-3090.0	-335423.7
	54.7	-5688.6	31.7	11620.4	-3169.2	-335424.2

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Asta	83	nod	37	35		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1353.9	8041.0	-7.1	-7463.6	-2679.6	-594376.0
	-1350.2	8041.6	-4.3	-7339.3	-2182.4	-594493.3
53.	-1353.9	6098.3	-7.1	-7463.6	-2304.7	-221893.1
	-1350.2	6098.9	-4.3	-7339.3	-1956.8	-221981.0
105.	-1353.9	4155.6	-7.1	-7463.6	-1929.9	48234.5
	-1350.2	4156.2	-4.3	-7339.3	-1731.1	48175.8
158.	-1353.9	2212.9	-7.1	-7463.6	-1555.0	216006.6
	-1350.2	2213.5	-4.3	-7339.3	-1505.5	215977.3
211.	-1353.9	270.3	-7.1	-7463.6	-1180.1	281423.4
	-1350.2	270.8	-4.3	-7339.3	-1279.9	281423.3
263.	-1353.9	-1672.4	-7.1	-7463.6	-805.3	244484.8
	-1350.2	-1671.9	-4.3	-7339.3	-1054.2	244514.0
316.	-1353.9	-3615.1	-7.1	-7463.6	-430.4	105190.9
	-1350.2	-3614.6	-4.3	-7339.3	-828.6	105249.3
369.	-1353.9	-5557.8	-7.1	-7463.6	-55.6	-136458.5
	-1350.2	-5557.3	-4.3	-7339.3	-602.9	-136370.8
422.	-1353.9	-7500.5	-7.1	-7463.6	319.3	-480463.3
	-1350.2	-7499.9	-4.3	-7339.3	-377.3	-480346.3

Asta	84	nod	39	37		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1700.5	8536.7	-24.5	-16634.2	-6935.5	-644311.9
	-1698.3	8537.1	-24.5	-16755.2	-6767.3	-644410.6
58.	-1700.5	6395.8	-24.5	-16634.2	-5511.0	-210803.8
	-1698.3	6396.2	-24.5	-16755.2	-5342.4	-210877.9
116.	-1700.5	4254.9	-24.5	-16634.2	-4086.5	98399.8
	-1698.3	4255.3	-24.5	-16755.2	-3917.5	98350.2
174.	-1700.5	2114.0	-24.5	-16634.2	-2662.0	283298.9
	-1698.3	2114.5	-24.5	-16755.2	-2492.6	283273.8
232.	-1700.5	-26.8	-24.5	-16634.2	-1237.5	343893.5
	-1698.3	-26.4	-24.5	-16755.2	-1067.7	343892.8
290.	-1700.5	-2167.7	-24.5	-16634.2	187.0	280183.5
	-1698.3	-2167.3	-24.5	-16755.2	357.1	280207.4
348.	-1700.5	-4308.6	-24.5	-16634.2	1611.6	92168.9
	-1698.3	-4308.2	-24.5	-16755.2	1782.0	92217.3
406.	-1700.5	-6449.5	-24.5	-16634.2	3036.1	-220150.1
	-1698.3	-6449.0	-24.5	-16755.2	3206.9	-220077.2
465.	-1700.5	-8590.3	-24.5	-16634.2	4460.6	-656773.7
	-1698.3	-8589.9	-24.5	-16755.2	4631.8	-656676.3

Asta	85	nod	43	41		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2812.6	8582.2	74.9	17152.7	9736.2	-653449.6
	-2810.4	8582.2	76.5	17252.6	10016.0	-653447.1
58.	-2812.6	6441.3	74.9	17152.7	5384.6	-217296.9
	-2810.4	6441.3	76.5	17252.6	5574.8	-217295.5
116.	-2812.6	4300.5	74.9	17152.7	1033.1	94551.2
	-2810.4	4300.4	76.5	17252.6	1133.6	94551.7
174.	-2812.6	2159.6	74.9	17152.7	-3318.4	282094.9
	-2810.4	2159.6	76.5	17252.6	-3307.6	282094.3
232.	-2812.6	18.7	74.9	17152.7	-7670.0	345334.0
	-2810.4	18.7	76.5	17252.6	-7748.8	345332.3
290.	-2812.6	-2122.2	74.9	17152.7	-12021.5	284268.5
	-2810.4	-2122.2	76.5	17252.6	-12190.0	284265.8
348.	-2812.6	-4263.0	74.9	17152.7	-16373.0	98898.5
	-2810.4	-4263.0	76.5	17252.6	-16631.2	98894.8
406.	-2812.6	-6403.9	74.9	17152.7	-20724.6	-210776.0
	-2810.4	-6403.9	76.5	17252.6	-21072.5	-210780.7
465.	-2812.6	-8544.8	74.9	17152.7	-25076.1	-644755.1
	-2810.4	-8544.8	76.5	17252.6	-25513.7	-644760.8

Asta	86	nod	45	43		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3283.5	7023.6	81.9	6082.4	21353.5	-423194.5
	-3283.1	7023.5	81.8	6031.7	21434.3	-423173.5
49.	-3283.5	5214.6	81.9	6082.4	17334.9	-122977.7
	-3283.1	5214.5	81.8	6031.7	17422.0	-122961.7
98.	-3283.5	3405.5	81.9	6082.4	13316.2	88483.8
	-3283.1	3405.4	81.8	6031.7	13409.7	88494.6
147.	-3283.5	1596.5	81.9	6082.4	9297.6	211189.8
	-3283.1	1596.4	81.8	6031.7	9397.4	211195.5
196.	-3283.5	-212.5	81.9	6082.4	5279.0	245140.4
	-3283.1	-212.6	81.8	6031.7	5385.1	245141.1
245.	-3283.5	-2021.6	81.9	6082.4	1260.4	190335.5
	-3283.1	-2021.7	81.8	6031.7	1372.8	190331.2
294.	-3283.5	-3830.6	81.9	6082.4	-2758.2	46775.3
	-3283.1	-3830.7	81.8	6031.7	-2639.5	46765.9
343.	-3283.5	-5639.6	81.9	6082.4	-6776.9	-185540.3
	-3283.1	-5639.7	81.8	6031.7	-6651.8	-185554.9
393.	-3283.5	-7448.6	81.9	6082.4	-10795.5	-506611.4
	-3283.1	-7448.7	81.8	6031.7	-10664.1	-506631.0

Asta	87	nod	35	104		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1319.9	3225.4	13.6	12867.4	7833.6	-185446.7
	-1318.2	3226.7	9.5	12817.4	7011.7	-185660.1
45.	-1319.9	2418.0	13.6	12867.4	7228.1	-59704.4
	-1318.2	2419.2	9.5	12817.4	6586.7	-59863.9
89.	-1319.9	1610.5	13.6	12867.4	6622.5	30055.0
	-1318.2	1611.7	9.5	12817.4	6161.7	29949.4
134.	-1319.9	803.0	13.6	12867.4	6017.0	83831.3

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178.	-1318.2	804.2	9.5	12817.4	5736.8	83779.6
	-1319.9	-4.4	13.6	12867.4	5411.4	101624.7
	-1318.2	-3.2	9.5	12817.4	5311.8	101626.8
223.	-1319.9	-811.9	13.6	12867.4	4805.8	83435.0
	-1318.2	-810.7	9.5	12817.4	4886.9	83491.1
267.	-1319.9	-1619.4	13.6	12867.4	4200.3	29262.4
	-1318.2	-1618.2	9.5	12817.4	4461.9	29372.3
312.	-1319.9	-2426.9	13.6	12867.4	3594.7	-60893.2
	-1318.2	-2425.7	9.5	12817.4	4036.9	-60729.5
357.	-1319.9	-3234.3	13.6	12867.4	2989.2	-187031.9
	-1318.2	-3233.1	9.5	12817.4	3612.0	-186814.2
Asta	88	odi	104	11		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1242.3	2366.4	201.8	-243.2	37331.5	-85344.2
	-1245.1	2368.4	190.1	-199.2	35858.4	-85641.6
39.	-1242.3	1659.8	201.8	-243.2	29461.5	-6833.6
	-1245.1	1661.7	190.1	-199.2	28443.0	-7055.5
78.	-1242.3	953.1	201.8	-243.2	21591.6	44116.5
	-1245.1	955.0	190.1	-199.2	21027.6	43970.2
117.	-1242.3	246.4	201.8	-243.2	13721.6	67506.0
	-1245.1	248.3	190.1	-199.2	13612.2	67435.3
156.	-1242.3	-460.3	201.8	-243.2	5851.7	63335.0
	-1245.1	-458.3	190.1	-199.2	6196.9	63340.0
195.	-1242.3	-1167.0	201.8	-243.2	-2018.3	31603.6
	-1245.1	-1165.0	190.1	-199.2	-1218.5	31684.1
234.	-1242.3	-1873.6	201.8	-243.2	-9888.2	-27688.5
	-1245.1	-1871.7	190.1	-199.2	-8633.9	-27532.4
273.	-1242.3	-2580.3	201.8	-243.2	-17758.2	-114541.0
	-1245.1	-2578.4	190.1	-199.2	-16049.3	-114309.3
312.	-1242.3	-3287.0	201.8	-243.2	-25628.1	-228954.0
	-1245.1	-3285.1	190.1	-199.2	-23464.7	-228646.8
Asta	89	odi	11	9		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	1858.4	5461.0	32.4	-5879.3	7144.0	-532207.9
	1865.2	5461.5	29.9	-5878.8	6189.9	-532373.2
76.	1858.4	4082.8	32.4	-5879.3	4677.9	-169246.3
	1865.2	4083.3	29.9	-5878.8	3916.7	-169372.3
152.	1858.4	2704.5	32.4	-5879.3	2211.8	88882.0
	1865.2	2705.0	29.9	-5878.8	1643.6	88795.3
228.	1858.4	1326.3	32.4	-5879.3	-254.3	242176.9
	1865.2	1326.8	29.9	-5878.8	-629.5	242129.6
304.	1858.4	-52.0	32.4	-5879.3	-2720.4	290638.5
	1865.2	-51.5	29.9	-5878.8	-2902.7	290630.6
380.	1858.4	-1430.2	32.4	-5879.3	-5186.5	234266.8
	1865.2	-1429.7	29.9	-5878.8	-5175.8	234298.2
456.	1858.4	-2808.5	32.4	-5879.3	-7652.6	73061.8
	1865.2	-2808.0	29.9	-5878.8	-7448.9	73132.4
532.	1858.4	-4186.8	32.4	-5879.3	-10118.8	-192976.6
	1865.2	-4186.2	29.9	-5878.8	-9722.1	-192866.6
609.	1858.4	-5565.0	32.4	-5879.3	-12584.9	-563848.3
	1865.2	-5564.5	29.9	-5878.8	-11995.2	-563699.0
Asta	90	odi	105	1		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	6680.9	5593.1	91.8	66352.4	28573.1	-574286.4
	6666.4	5594.4	90.3	66347.9	28252.8	-574652.4
76.	6680.9	4214.8	91.8	66352.4	21593.9	-201279.3
	6666.4	4216.1	90.3	66347.9	21381.0	-201547.2
152.	6680.9	2836.6	91.8	66352.4	14614.8	66894.5
	6666.4	2837.9	90.3	66347.9	14509.3	66724.6
228.	6680.9	1458.3	91.8	66352.4	7635.7	230234.9
	6666.4	1459.6	90.3	66347.9	7637.6	230163.0
304.	6680.9	80.1	91.8	66352.4	656.6	288742.0
	6666.4	81.4	90.3	66347.9	765.8	288768.2
380.	6680.9	-1298.2	91.8	66352.4	-6322.5	242415.8
	6666.4	-1296.9	90.3	66347.9	-6105.9	242540.0
456.	6680.9	-2676.4	91.8	66352.4	-13301.6	91256.2
	6666.4	-2675.1	90.3	66347.9	-12977.7	91478.5
532.	6680.9	-4054.7	91.8	66352.4	-20280.7	-164736.7
	6666.4	-4053.4	90.3	66347.9	-19849.4	-164416.3
609.	6680.9	-5432.9	91.8	66352.4	-27259.8	-525562.9
	6666.4	-5431.6	90.3	66347.9	-26721.1	-525144.5
Asta	91	odi	106	105		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	9145.0	2341.2	-279.9	-59448.7	-40532.8	-92138.3
	9146.9	2344.7	-283.3	-59394.5	-41070.0	-92690.1
39.	9145.0	1634.5	-279.9	-59448.7	-29617.4	-14613.5
	9146.9	1638.0	-283.3	-59394.5	-30020.9	-15026.5
78.	9145.0	927.8	-279.9	-59448.7	-18701.9	35350.7
	9146.9	931.4	-283.3	-59394.5	-18971.9	35076.6
117.	9145.0	221.1	-279.9	-59448.7	-7786.5	57754.4
	9146.9	224.7	-283.3	-59394.5	-7922.8	57619.1
156.	9145.0	-485.6	-279.9	-59448.7	3129.0	52597.6
	9146.9	-482.0	-283.3	-59394.5	3126.3	52601.1
195.	9145.0	-1192.2	-279.9	-59448.7	14044.4	19880.3
	9146.9	-1188.7	-283.3	-59394.5	14175.3	20022.6
234.	9145.0	-1898.9	-279.9	-59448.7	24959.9	-40397.5
	9146.9	-1895.4	-283.3	-59394.5	25224.4	-40116.4
273.	9145.0	-2605.6	-279.9	-59448.7	35875.3	-128235.9
	9146.9	-2602.0	-283.3	-59394.5	36273.5	-127815.9
312.	9145.0	-3312.3	-279.9	-59448.7	46790.7	-243634.8

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	9146.9	-3308.7	-283.3	-59394.5	47322.5	-243076.0
Asta	92	odi	45	106		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	3679.5	2733.0	-287.9	-66727.2	-54240.9	-96544.5
	3700.5	2736.3	-289.1	-66758.4	-54461.5	-97178.0
45.	3679.5	1925.5	-287.9	-66727.2	-41410.1	7251.8
	3700.5	1928.8	-289.1	-66758.4	-41578.9	6765.7
89.	3679.5	1118.0	-287.9	-66727.2	-28579.3	75065.0
	3700.5	1121.3	-289.1	-66758.4	-28696.3	74726.5
134.	3679.5	310.5	-287.9	-66727.2	-15748.5	106895.3
	3700.5	313.9	-289.1	-66758.4	-15813.6	106704.3
178.	3679.5	-496.9	-287.9	-66727.2	-2917.7	102742.6
	3700.5	-493.6	-289.1	-66758.4	-2931.0	102699.1
223.	3679.5	-1304.4	-287.9	-66727.2	9913.1	62606.9
	3700.5	-1301.1	-289.1	-66758.4	9951.6	62710.9
267.	3679.5	-2111.9	-287.9	-66727.2	22744.0	-13511.8
	3700.5	-2108.6	-289.1	-66758.4	22834.3	-13260.3
312.	3679.5	-2919.3	-287.9	-66727.2	35574.8	-125613.5
	3700.5	-2916.0	-289.1	-66758.4	35716.9	-125214.4
357.	3679.5	-3726.8	-287.9	-66727.2	48405.6	-273698.2
	3700.5	-3723.5	-289.1	-66758.4	48599.6	-273151.6
Asta	93	odi	87	107		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1118.0	911.4	-93.0	63595.3	-5396.1	-122355.1
	-1110.9	902.3	-87.4	63619.8	-4650.1	-120182.2
45.	-1118.0	772.4	-93.0	63595.3	-1252.7	-84836.5
	-1110.9	763.3	-87.4	63619.8	-754.1	-83069.5
89.	-1118.0	633.4	-93.0	63595.3	2890.6	-53513.6
	-1110.9	624.3	-87.4	63619.8	3141.9	-52152.5
134.	-1118.0	494.3	-93.0	63595.3	7034.0	-28386.5
	-1110.9	485.2	-87.4	63619.8	7038.0	-27431.3
178.	-1118.0	355.3	-93.0	63595.3	11177.4	-9455.2
	-1110.9	346.2	-87.4	63619.8	10934.0	-8905.8
223.	-1118.0	216.3	-93.0	63595.3	15320.7	3280.4
	-1110.9	207.2	-87.4	63619.8	14830.1	3424.0
267.	-1118.0	77.2	-93.0	63595.3	19464.1	9820.3
	-1110.9	68.1	-87.4	63619.8	18726.1	9557.9
312.	-1118.0	-61.8	-93.0	63595.3	23607.5	10164.4
	-1110.9	-70.9	-87.4	63619.8	22622.2	9496.2
357.	-1118.0	-200.8	-93.0	63595.3	27750.8	4312.7
	-1110.9	-209.9	-87.4	63619.8	26518.2	3238.7
Asta	94	odi	107	108		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1719.4	1065.5	-81.3	12049.8	-41792.1	-81879.5
	-1706.4	1059.3	-65.4	12004.3	-39488.3	-81031.9
39.	-1719.4	943.8	-81.3	12049.8	-38621.1	-42698.8
	-1706.4	937.6	-65.4	12004.3	-36936.9	-42091.0
78.	-1719.4	822.1	-81.3	12049.8	-35450.2	-8263.6
	-1706.4	816.0	-65.4	12004.3	-34385.6	-7895.8
117.	-1719.4	700.4	-81.3	12049.8	-32279.2	21426.1
	-1706.4	694.3	-65.4	12004.3	-31834.3	21554.0
156.	-1719.4	578.8	-81.3	12049.8	-29108.2	46370.2
	-1706.4	572.6	-65.4	12004.3	-29283.0	46258.3
195.	-1719.4	457.1	-81.3	12049.8	-25937.3	66568.8
	-1706.4	450.9	-65.4	12004.3	-26731.6	66217.0
234.	-1719.4	335.4	-81.3	12049.8	-22766.3	82021.9
	-1706.4	329.2	-65.4	12004.3	-24180.3	81430.2
273.	-1719.4	213.7	-81.3	12049.8	-19595.4	92729.5
	-1706.4	207.6	-65.4	12004.3	-21629.0	91897.9
312.	-1719.4	92.0	-81.3	12049.8	-16424.4	98691.5
	-1706.4	85.9	-65.4	12004.3	-19077.7	97620.1
Asta	95	odi	108	65		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2008.4	348.8	-118.4	-49924.7	-49778.3	90675.3
	-2012.5	344.6	-113.4	-49954.5	-48008.1	91693.0
76.	-2008.4	111.5	-118.4	-49924.7	-40774.9	108178.0
	-2012.5	107.2	-113.4	-49954.5	-39381.5	108875.2
152.	-2008.4	-125.9	-118.4	-49924.7	-31771.4	107630.0
	-2012.5	-130.1	-113.4	-49954.5	-30754.8	108006.5
228.	-2008.4	-363.2	-118.4	-49924.7	-22768.0	89031.1
	-2012.5	-367.4	-113.4	-49954.5	-22128.2	89087.1
304.	-2008.4	-600.5	-118.4	-49924.7	-13764.5	52381.5
	-2012.5	-604.7	-113.4	-49954.5	-13501.5	52116.9
380.	-2008.4	-837.8	-118.4	-49924.7	-4761.0	-2318.8
	-2012.5	-842.0	-113.4	-49954.5	-4874.8	-2904.0
456.	-2008.4	-1075.1	-118.4	-49924.7	4242.4	-75070.0
	-2012.5	-1079.3	-113.4	-49954.5	3751.8	-75975.7
532.	-2008.4	-1312.4	-118.4	-49924.7	13245.9	-165871.9
	-2012.5	-1316.7	-113.4	-49954.5	12378.5	-167098.2
609.	-2008.4	-1549.8	-118.4	-49924.7	22249.3	-274724.6
	-2012.5	-1554.0	-113.4	-49954.5	21005.1	-276271.5
Asta	96	odi	70	69		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1076.9	854.1	-86.9	-7037.9	-39223.8	-68761.5
	-1079.9	855.2	-87.9	-7032.7	-39586.7	-68993.0
76.	-1076.9	616.8	-86.9	-7037.9	-32616.9	-12819.7
	-1079.9	617.9	-87.9	-7032.7	-32903.8	-12966.2
152.	-1076.9	379.5	-86.9	-7037.9	-26010.0	25071.5
	-1079.9	380.6	-87.9	-7032.7	-26220.9	25009.9

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228.	-1076.9	142.2	-86.9	-7037.9	-19403.1	44911.8
	-1079.9	143.3	-87.9	-7032.7	-19538.0	44935.3
304.	-1076.9	-95.1	-86.9	-7037.9	-12796.2	46701.3
	-1079.9	-94.0	-87.9	-7032.7	-12855.1	46809.8
380.	-1076.9	-332.4	-86.9	-7037.9	-6189.3	30440.1
	-1079.9	-331.3	-87.9	-7032.7	-6172.2	30633.6
456.	-1076.9	-569.8	-86.9	-7037.9	417.6	-3871.9
	-1079.9	-568.6	-87.9	-7032.7	510.7	-3593.4
532.	-1076.9	-807.1	-86.9	-7037.9	7024.5	-56234.6
	-1079.9	-806.0	-87.9	-7032.7	7193.6	-55871.2
609.	-1076.9	-1044.4	-86.9	-7037.9	13631.4	-126648.1
	-1079.9	-1043.3	-87.9	-7032.7	13876.5	-126199.7
Asta	97	nodì	109	70		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-658.0	230.5	796.4	-3993.1	150067.9	17164.9
	-664.8	232.6	798.2	-4024.1	151177.0	16730.3
39.	-658.0	108.8	796.4	-3993.1	119007.4	23781.2
	-664.8	110.9	798.2	-4024.1	120045.5	23427.7
78.	-658.0	-12.9	796.4	-3993.1	87947.0	25652.1
	-664.8	-10.8	798.2	-4024.1	88913.9	25379.6
117.	-658.0	-134.5	796.4	-3993.1	56886.6	22777.5
	-664.8	-132.5	798.2	-4024.1	57782.4	22586.0
156.	-658.0	-256.2	796.4	-3993.1	25826.2	15157.3
	-664.8	-254.2	798.2	-4024.1	26650.8	15046.9
195.	-658.0	-377.9	796.4	-3993.1	-5234.3	2791.6
	-664.8	-375.8	798.2	-4024.1	-4480.8	2762.3
234.	-658.0	-499.6	796.4	-3993.1	-36294.7	-14319.6
	-664.8	-497.5	798.2	-4024.1	-35612.3	-14267.9
273.	-658.0	-621.3	796.4	-3993.1	-67355.1	-36176.4
	-664.8	-619.2	798.2	-4024.1	-66743.9	-36043.6
312.	-658.0	-742.9	796.4	-3993.1	-98415.5	-62778.6
	-664.8	-740.9	798.2	-4024.1	-97875.4	-62564.7
Asta	98	nodì	82	109		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-512.5	542.0	266.5	4591.1	57910.5	-29024.0
	-508.9	545.5	263.9	4540.1	56944.4	-29691.1
45.	-512.5	402.9	266.5	4591.1	46035.1	-7970.7
	-508.9	406.5	263.9	4540.1	45184.8	-8479.4
89.	-512.5	263.9	266.5	4591.1	34159.7	6886.8
	-508.9	267.4	263.9	4540.1	33425.2	6536.6
134.	-512.5	124.9	266.5	4591.1	22284.3	15548.6
	-508.9	128.4	263.9	4540.1	21665.6	15356.8
178.	-512.5	-14.2	266.5	4591.1	10408.9	18014.7
	-508.9	-10.6	263.9	4540.1	9906.0	17981.3
223.	-512.5	-153.2	266.5	4591.1	-1466.5	14285.0
	-508.9	-149.7	263.9	4540.1	-1853.6	14410.0
267.	-512.5	-292.2	266.5	4591.1	-13341.9	4359.6
	-508.9	-288.7	263.9	4540.1	-13613.2	4642.9
312.	-512.5	-431.3	266.5	4591.1	-25217.3	-11761.6
	-508.9	-427.7	263.9	4540.1	-25372.8	-11319.8
357.	-512.5	-570.3	266.5	4591.1	-37092.8	-34078.6
	-508.9	-566.8	263.9	4540.1	-37132.4	-33478.4
Asta	99	nodì	84	80		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-449.2	945.5	456.7	25995.5	61904.6	-102099.4
	-437.0	934.6	466.3	25940.8	63835.6	-100149.8
45.	-449.2	806.5	456.7	25995.5	41553.9	-63063.1
	-437.0	795.6	466.3	25940.8	43053.9	-61599.9
89.	-449.2	667.4	456.7	25995.5	21203.2	-30222.5
	-437.0	656.5	466.3	25940.8	22272.2	-29245.9
134.	-449.2	528.4	456.7	25995.5	852.6	-3577.7
	-437.0	517.5	466.3	25940.8	1490.6	-3087.5
178.	-449.2	389.4	456.7	25995.5	-19498.1	16871.4
	-437.0	378.5	466.3	25940.8	-19291.1	16875.1
223.	-449.2	250.3	456.7	25995.5	-39848.7	31124.8
	-437.0	239.4	466.3	25940.8	-40072.8	30641.9
267.	-449.2	111.3	456.7	25995.5	-60199.4	39182.4
	-437.0	100.4	466.3	25940.8	-60854.5	38213.0
312.	-449.2	-27.7	456.7	25995.5	-80550.0	41044.2
	-437.0	-38.7	466.3	25940.8	-81636.2	39588.3
357.	-449.2	-166.8	456.7	25995.5	-100900.7	36710.3
	-437.0	-177.7	466.3	25940.8	-102417.9	34767.9
Asta	100	nodì	84	83		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2130.0	7359.5	-143.8	-10696.5	-62539.3	-524237.3
	-2122.2	7360.8	-153.8	-10879.5	-64777.7	-524530.8
58.	-2130.0	5492.8	-143.8	-10696.5	-54191.0	-151117.7
	-2122.2	5494.0	-153.8	-10879.5	-55849.0	-151340.9
116.	-2130.0	3626.1	-143.8	-10696.5	-45842.7	113613.8
	-2122.2	3627.3	-153.8	-10879.5	-46920.2	113461.0
174.	-2130.0	1759.3	-143.8	-10696.5	-37494.5	269957.4
	-2122.2	1760.5	-153.8	-10879.5	-37991.4	269874.9
232.	-2130.0	-107.4	-143.8	-10696.5	-29146.2	317912.9
	-2122.2	-106.2	-153.8	-10879.5	-29062.6	317900.7
290.	-2130.0	-1974.2	-143.8	-10696.5	-20797.9	257480.4
	-2122.2	-1973.0	-153.8	-10879.5	-20133.9	257538.6
348.	-2130.0	-3840.9	-143.8	-10696.5	-12449.6	88660.0
	-2122.2	-3839.7	-153.8	-10879.5	-11205.1	88788.5
406.	-2130.0	-5707.7	-143.8	-10696.5	-4101.4	-188548.5
	-2122.2	-5706.5	-153.8	-10879.5	-2276.3	-188349.7

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465.	-2130.0 -2122.2	-7574.4 -7573.2	-143.8 -153.8	-10696.5 -10879.5	4246.9 6652.4	-574145.0 -573875.8
Asta	101	nodì	83	82		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2081.7 -2077.0	7310.7 7312.2	-177.5 -171.2	-7895.0 -8140.1	-13180.1 -11318.1	-567219.9 -567517.7
53.	-2081.7 -2077.0	5616.8 5618.2	-177.5 -171.2	-7895.0 -8140.1	-3826.6 -2296.5	-226661.2 -226881.5
105.	-2081.7 -2077.0	3922.8 3924.3	-177.5 -171.2	-7895.0 -8140.1	5527.0 6725.0	24648.1 24505.2
158.	-2081.7 -2077.0	2228.9 2230.4	-177.5 -171.2	-7895.0 -8140.1	14880.5 15746.6	186708.0 186642.7
211.	-2081.7 -2077.0	535.0 536.4	-177.5 -171.2	-7895.0 -8140.1	24234.1 24768.1	259518.7 259530.8
263.	-2081.7 -2077.0	-1159.0 -1157.5	-177.5 -171.2	-7895.0 -8140.1	33587.6 33789.7	243080.0 243169.6
316.	-2081.7 -2077.0	-2852.9 -2851.4	-177.5 -171.2	-7895.0 -8140.1	42941.2 42811.2	137392.0 137559.1
369.	-2081.7 -2077.0	-4546.8 -4545.4	-177.5 -171.2	-7895.0 -8140.1	52294.7 51832.8	-57545.3 -57300.7
422.	-2081.7 -2077.0	-6240.8 -6239.3	-177.5 -171.2	-7895.0 -8140.1	61648.3 60854.3	-341732.0 -341409.9
Asta	102	nodì	86	85		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2345.7 -2344.8	7706.2 7707.1	46.3 43.1	5173.8 4760.4	6509.6 5970.4	-599112.5 -599323.8
58.	-2345.7 -2344.8	5839.4 5840.4	46.3 43.1	5173.8 4760.4	3823.6 3465.5	-205867.9 -206023.4
116.	-2345.7 -2344.8	3972.7 3973.6	46.3 43.1	5173.8 4760.4	1137.7 960.6	78988.7 78889.0
174.	-2345.7 -2344.8	2105.9 2106.9	46.3 43.1	5173.8 4760.4	-1548.2 -1544.2	255457.3 255413.3
232.	-2345.7 -2344.8	239.2 240.1	46.3 43.1	5173.8 4760.4	-4234.2 -4049.1	323537.9 323549.7
290.	-2345.7 -2344.8	-1627.6 -1626.6	46.3 43.1	5173.8 4760.4	-6920.1 -6554.0	283230.5 283298.0
348.	-2345.7 -2344.8	-3494.3 -3493.4	46.3 43.1	5173.8 4760.4	-9606.0 -9058.9	134535.0 134658.4
406.	-2345.7 -2344.8	-5361.1 -5360.1	46.3 43.1	5173.8 4760.4	-12291.9 -11563.7	-122548.4 -122369.2
465.	-2345.7 -2344.8	-7227.8 -7226.9	46.3 43.1	5173.8 4760.4	-14977.9 -14068.6	-488019.8 -487784.9
Asta	103	nodì	87	86		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1508.4 -1504.7	6063.3 6064.6	51.5 49.1	5304.1 5179.1	17923.7 17033.7	-352331.2 -352603.9
49.	-1508.4 -1504.7	4485.9 4487.2	51.5 49.1	5304.1 5179.1	15397.2 14625.4	-93545.1 -93753.6
98.	-1508.4 -1504.7	2908.5 2909.8	51.5 49.1	5304.1 5179.1	12870.8 12217.2	87850.2 87705.9
147.	-1508.4 -1504.7	1331.1 1332.5	51.5 49.1	5304.1 5179.1	10344.4 9809.0	191854.7 191774.7
196.	-1508.4 -1504.7	-246.2 -244.9	51.5 49.1	5304.1 5179.1	7818.0 7400.8	218468.5 218452.7
245.	-1508.4 -1504.7	-1823.6 -1822.3	51.5 49.1	5304.1 5179.1	5291.5 4992.6	167691.5 167740.0
294.	-1508.4 -1504.7	-3401.0 -3399.7	51.5 49.1	5304.1 5179.1	2765.1 2584.4	39523.8 39636.4
343.	-1508.4 -1504.7	-4978.4 -4977.1	51.5 49.1	5304.1 5179.1	238.7 176.1	-166034.7 -165857.8
393.	-1508.4 -1504.7	-6555.8 -6554.5	51.5 49.1	5304.1 5179.1	-2287.7 -2232.1	-448983.9 -448742.8
Asta	104	nodì	85	79		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-247.2 -241.3	603.0 603.4	14.2 15.2	-31873.8 -31914.5	-3133.9 -2494.0	-41109.6 -41186.4
45.	-247.2 -241.3	464.0 464.4	14.2 15.2	-31873.8 -31914.5	-3765.8 -3169.4	-17334.9 -17395.8
89.	-247.2 -241.3	325.0 325.3	14.2 15.2	-31873.8 -31914.5	-4397.6 -3844.9	244.1 199.1
134.	-247.2 -241.3	185.9 186.3	14.2 15.2	-31873.8 -31914.5	-5029.5 -4520.3	11627.3 11598.3
178.	-247.2 -241.3	46.9 47.2	14.2 15.2	-31873.8 -31914.5	-5661.3 -5195.7	16814.8 16801.7
223.	-247.2 -241.3	-92.1 -91.8	14.2 15.2	-31873.8 -31914.5	-6293.2 -5871.1	15806.5 15809.3
267.	-247.2 -241.3	-231.2 -230.8	14.2 15.2	-31873.8 -31914.5	-6925.0 -6546.6	8602.5 8621.3
312.	-247.2 -241.3	-370.2 -369.9	14.2 15.2	-31873.8 -31914.5	-7556.8 -7222.0	-4797.3 -4762.6
357.	-247.2 -241.3	-509.2 -508.9	14.2 15.2	-31873.8 -31914.5	-8188.7 -7897.4	-24392.8 -24342.2
Asta	105	nodì	79	90		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	375.9 385.0	5692.0 5692.6	-12.9 0.4	-1594.3 -1560.3	-19835.6 -16317.3	-283900.7 -284011.1
38.	375.9 385.0	4242.4 4243.1	-12.9 0.4	-1594.3 -1560.3	-19341.4 -16332.9	-92973.9 -93059.6
77.	375.9	2792.9	-12.9	-1594.3	-18847.1	42236.8

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115.	385.0	2793.6	0.4	-1560.3	-16348.5	42175.8
	375.9	1343.4	-12.9	-1594.3	-18352.9	121731.4
	385.0	1344.0	0.4	-1560.3	-16364.1	121695.2
154.	375.9	-106.1	-12.9	-1594.3	-17858.6	145509.9
	385.0	-105.5	0.4	-1560.3	-16379.7	145498.4
192.	375.9	-1555.7	-12.9	-1594.3	-17364.3	113572.3
	385.0	-1555.0	0.4	-1560.3	-16395.3	113585.6
231.	375.9	-3005.2	-12.9	-1594.3	-16870.1	25918.7
	385.0	-3004.5	0.4	-1560.3	-16410.9	25956.7
269.	375.9	-4454.7	-12.9	-1594.3	-16375.8	-117451.1
	385.0	-4454.1	0.4	-1560.3	-16426.5	-117388.3
308.	375.9	-5904.2	-12.9	-1594.3	-15881.5	-316536.9
	385.0	-5903.6	0.4	-1560.3	-16442.1	-316449.4
Asta	106	nodì	90	89		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-20.9	6427.0	1.7	-2226.3	-19344.5	-381557.8
	-12.8	6427.4	10.1	-1831.7	-19309.0	-381619.3
41.	-20.9	4880.8	1.7	-2226.3	-19415.4	-149746.9
	-12.8	4881.2	10.1	-1831.7	-19723.1	-149793.3
82.	-20.9	3334.7	1.7	-2226.3	-19486.3	18671.5
	-12.8	3335.1	10.1	-1831.7	-20137.2	18640.2
123.	-20.9	1788.5	1.7	-2226.3	-19557.2	123697.4
	-12.8	1788.9	10.1	-1831.7	-20551.3	123681.1
164.	-20.9	242.4	1.7	-2226.3	-19628.1	165330.8
	-12.8	242.7	10.1	-1831.7	-20965.3	165329.6
205.	-20.9	-1303.8	1.7	-2226.3	-19699.0	143571.6
	-12.8	-1303.4	10.1	-1831.7	-21379.4	143585.4
246.	-20.9	-2850.0	1.7	-2226.3	-19770.0	58419.9
	-12.8	-2849.6	10.1	-1831.7	-21793.5	58448.8
287.	-20.9	-4396.1	1.7	-2226.3	-19840.9	-90124.4
	-12.8	-4395.7	10.1	-1831.7	-22207.6	-90080.4
328.	-20.9	-5942.3	1.7	-2226.3	-19911.8	-302061.1
	-12.8	-5941.9	10.1	-1831.7	-22621.7	-302002.0
Asta	107	nodì	89	80		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-597.8	6467.7	-3.3	1394.2	-24477.5	-406027.2
	-590.8	6468.4	-12.7	1397.5	-26668.4	-406129.8
39.	-597.8	4999.3	-3.3	1394.2	-24348.0	-182780.3
	-590.8	5000.0	-12.7	1397.5	-26175.7	-182855.3
78.	-597.8	3530.9	-3.3	1394.2	-24218.5	-16708.4
	-590.8	3531.6	-12.7	1397.5	-25683.1	-16755.9
117.	-597.8	2062.5	-3.3	1394.2	-24089.0	92188.5
	-590.8	2063.2	-12.7	1397.5	-25190.4	92168.4
156.	-597.8	594.1	-3.3	1394.2	-23959.5	143910.2
	-590.8	594.8	-12.7	1397.5	-24697.8	143917.8
195.	-597.8	-874.2	-3.3	1394.2	-23830.0	138457.0
	-590.8	-873.5	-12.7	1397.5	-24205.1	138492.0
234.	-597.8	-2342.6	-3.3	1394.2	-23700.6	75828.7
	-590.8	-2341.9	-12.7	1397.5	-23712.5	75891.3
273.	-597.8	-3811.0	-3.3	1394.2	-23571.1	-43974.6
	-590.8	-3810.3	-12.7	1397.5	-23219.8	-43884.5
312.	-597.8	-5279.4	-3.3	1394.2	-23441.6	-220953.0
	-590.8	-5278.7	-12.7	1397.5	-22727.2	-220835.4
Asta	108	nodì	96	69		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1389.5	5072.2	30.2	-3632.4	522.0	-197324.5
	-1390.9	5071.8	33.3	-3522.3	937.0	-197268.4
34.	-1389.5	3759.6	30.2	-3632.4	-510.8	-46079.8
	-1390.9	3759.1	33.3	-3522.3	-203.2	-46038.6
69.	-1389.5	2446.9	30.2	-3632.4	-1543.7	60206.4
	-1390.9	2446.5	33.3	-3522.3	-1343.3	60232.6
103.	-1389.5	1134.3	30.2	-3632.4	-2576.5	121533.9
	-1390.9	1133.8	33.3	-3522.3	-2483.4	121545.2
137.	-1389.5	-178.4	30.2	-3632.4	-3609.3	137902.8
	-1390.9	-178.8	33.3	-3522.3	-3623.6	137899.1
171.	-1389.5	-1491.1	30.2	-3632.4	-4642.1	109313.1
	-1390.9	-1491.5	33.3	-3522.3	-4763.7	109294.4
206.	-1389.5	-2803.7	30.2	-3632.4	-5674.9	35764.7
	-1390.9	-2804.2	33.3	-3522.3	-5903.9	35731.2
240.	-1389.5	-4116.4	30.2	-3632.4	-6707.7	-82742.2
	-1390.9	-4116.8	33.3	-3522.3	-7044.0	-82790.7
274.	-1389.5	-5429.0	30.2	-3632.4	-7740.5	-246207.8
	-1390.9	-5429.5	33.3	-3522.3	-8184.1	-246271.2
Asta	109	nodì	65	66		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1985.1	7593.3	-3.3	3501.1	9936.7	-474951.6
	-1989.5	7593.0	-8.1	2805.3	8156.6	-474907.7
50.	-1985.1	5693.7	-3.3	3501.1	10099.0	-145683.1
	-1989.5	5693.5	-8.1	2805.3	8558.9	-145649.9
99.	-1985.1	3794.2	-3.3	3501.1	10261.3	89440.2
	-1989.5	3794.0	-8.1	2805.3	8961.2	89462.6
149.	-1985.1	1894.7	-3.3	3501.1	10423.6	230418.4
	-1989.5	1894.5	-8.1	2805.3	9363.5	230430.0
198.	-1985.1	-4.8	-3.3	3501.1	10585.9	277251.3
	-1989.5	-5.1	-8.1	2805.3	9765.8	277252.1
248.	-1985.1	-1904.4	-3.3	3501.1	10748.2	229939.0
	-1989.5	-1904.6	-8.1	2805.3	10168.1	229929.1
297.	-1985.1	-3803.9	-3.3	3501.1	10910.5	88481.5
	-1989.5	-3804.1	-8.1	2805.3	10570.4	88460.8
347.	-1985.1	-5703.4	-3.3	3501.1	11072.8	-147121.2

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397.	-1989.5	-5703.6	-8.1	2805.3	10972.7	-147152.7
	-1985.1	-7602.9	-3.3	3501.1	11235.1	-476869.2
	-1989.5	-7603.2	-8.1	2805.3	11375.0	-476911.4
Asta	110	nodì	66	67		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2306.6	7768.6	31.6	-73.6	8395.2	-539021.2
	-2310.6	7768.4	22.0	-505.0	7400.2	-538989.0
50.	-2306.6	5852.3	31.6	-73.6	6816.1	-198498.0
	-2310.6	5852.2	22.0	-505.0	6301.4	-198473.9
100.	-2306.6	3936.0	31.6	-73.6	5236.9	46210.5
	-2310.6	3935.9	22.0	-505.0	5202.6	46226.5
150.	-2306.6	2019.7	31.6	-73.6	3657.8	195104.4
	-2310.6	2019.6	22.0	-505.0	4103.7	195112.4
200.	-2306.6	103.4	31.6	-73.6	2078.7	248183.6
	-2310.6	103.3	22.0	-505.0	3004.9	248183.6
250.	-2306.6	-1812.9	31.6	-73.6	499.6	205448.3
	-2310.6	-1813.0	22.0	-505.0	1906.1	205440.1
300.	-2306.6	-3729.1	31.6	-73.6	-1079.5	66898.3
	-2310.6	-3729.3	22.0	-505.0	807.3	66882.1
350.	-2306.6	-5645.4	31.6	-73.6	-2658.7	-167466.3
	-2310.6	-5645.6	22.0	-505.0	-291.5	-167490.6
400.	-2306.6	-7561.7	31.6	-73.6	-4237.8	-497645.6
	-2310.6	-7561.9	22.0	-505.0	-1390.3	-497677.9
Asta	111	nodì	67	68		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2944.3	9570.8	-2.5	101.5	-3187.4	-643790.2
	-2947.9	9570.6	8.6	753.1	-131.5	-643761.0
50.	-2944.3	7224.4	-2.5	101.5	-3062.3	-221286.4
	-2947.9	7224.3	8.6	753.1	-565.1	-221264.3
101.	-2944.3	4878.0	-2.5	101.5	-2937.3	83165.9
	-2947.9	4877.9	8.6	753.1	-998.6	83180.8
151.	-2944.3	2531.7	-2.5	101.5	-2812.2	269566.6
	-2947.9	2531.5	8.6	753.1	-1432.1	269574.4
201.	-2944.3	185.3	-2.5	101.5	-2687.2	337915.7
	-2947.9	185.2	8.6	753.1	-1865.6	337916.4
252.	-2944.3	-2161.1	-2.5	101.5	-2562.2	288213.3
	-2947.9	-2161.2	8.6	753.1	-2299.1	288206.9
302.	-2944.3	-4507.4	-2.5	101.5	-2437.1	120459.4
	-2947.9	-4507.6	8.6	753.1	-2732.6	120445.8
352.	-2944.3	-6853.8	-2.5	101.5	-2312.1	-165346.1
	-2947.9	-6853.9	8.6	753.1	-3166.1	-165366.8
403.	-2944.3	-9200.2	-2.5	101.5	-2187.0	-569203.1
	-2947.9	-9200.3	8.6	753.1	-3599.6	-569231.0
Asta	112	nodì	68	93		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2060.2	7118.2	-7.2	-762.9	-3041.6	-399647.7
	-2063.4	7118.0	-0.9	-248.1	-3410.8	-399613.8
37.	-2060.2	5392.7	-7.2	-762.9	-2774.2	-168195.7
	-2063.4	5392.5	-0.9	-248.1	-3377.4	-168170.1
74.	-2060.2	3667.2	-7.2	-762.9	-2506.8	-588.1
	-2063.4	3666.9	-0.9	-248.1	-3344.0	-570.9
111.	-2060.2	1941.6	-7.2	-762.9	-2239.4	103175.0
	-2063.4	1941.4	-0.9	-248.1	-3310.6	103183.8
148.	-2060.2	216.1	-7.2	-762.9	-1972.0	143093.6
	-2063.4	215.9	-0.9	-248.1	-3277.2	143094.0
185.	-2060.2	-1509.4	-7.2	-762.9	-1704.6	119167.7
	-2063.4	-1509.6	-0.9	-248.1	-3243.7	119159.8
222.	-2060.2	-3234.9	-7.2	-762.9	-1437.2	31397.3
	-2063.4	-3235.2	-0.9	-248.1	-3210.3	31381.1
259.	-2060.2	-4960.5	-7.2	-762.9	-1169.8	-120217.5
	-2063.4	-4960.7	-0.9	-248.1	-3176.9	-120242.1
296.	-2060.2	-6686.0	-7.2	-762.9	-902.4	-335676.9
	-2063.4	-6686.2	-0.9	-248.1	-3143.5	-335709.8
Asta	113	nodì	93	94		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2775.3	8321.5	-4.3	-1331.3	-2816.9	-474141.9
	-2778.1	8321.3	-11.5	-1510.2	-4836.3	-474113.2
44.	-2775.3	6249.1	-4.3	-1331.3	-2627.1	-150402.6
	-2778.1	6248.9	-11.5	-1510.2	-4326.0	-150381.0
89.	-2775.3	4176.7	-4.3	-1331.3	-2437.3	81245.3
	-2778.1	4176.5	-11.5	-1510.2	-3815.6	81259.8
133.	-2775.3	2104.3	-4.3	-1331.3	-2247.5	220801.7
	-2778.1	2104.2	-11.5	-1510.2	-3305.2	220809.2
178.	-2775.3	31.9	-4.3	-1331.3	-2057.7	268266.7
	-2778.1	31.8	-11.5	-1510.2	-2794.9	268267.2
222.	-2775.3	-2040.4	-4.3	-1331.3	-1867.9	223640.3
	-2778.1	-2040.6	-11.5	-1510.2	-2284.5	223633.8
267.	-2775.3	-4112.8	-4.3	-1331.3	-1678.1	86922.5
	-2778.1	-4113.0	-11.5	-1510.2	-1774.1	86908.9
311.	-2775.3	-6185.2	-4.3	-1331.3	-1488.3	-141886.7
	-2778.1	-6185.4	-11.5	-1510.2	-1263.8	-141907.3
356.	-2775.3	-8257.6	-4.3	-1331.3	-1298.5	-462787.3
	-2778.1	-8257.7	-11.5	-1510.2	-753.4	-462815.0
Asta	114	nodì	94	95		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2066.3	5860.9	-12.1	-1422.1	-4121.4	-315623.8
	-2068.7	5860.6	-17.4	-1951.4	-4267.2	-315587.7
37.	-2066.3	4440.4	-12.1	-1422.1	-3674.2	-124727.7
	-2068.7	4440.2	-17.4	-1951.4	-3623.1	-124700.4

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74.	-2066.3	3020.0	-12.1	-1422.1	-3227.1	13522.8
	-2068.7	3019.7	-17.4	-1951.4	-2979.1	13541.4
111.	-2066.3	1599.5	-12.1	-1422.1	-2779.9	99127.8
	-2068.7	1599.3	-17.4	-1951.4	-2335.1	99137.7
148.	-2066.3	179.1	-12.1	-1422.1	-2332.8	132087.3
	-2068.7	178.8	-17.4	-1951.4	-1691.0	132088.6
185.	-2066.3	-1241.4	-12.1	-1422.1	-1885.7	112401.4
	-2068.7	-1241.6	-17.4	-1951.4	-1047.0	112393.9
222.	-2066.3	-2661.8	-12.1	-1422.1	-1438.5	40069.9
	-2068.7	-2662.1	-17.4	-1951.4	-403.0	40053.7
259.	-2066.3	-4082.3	-12.1	-1422.1	-991.4	-84907.1
	-2068.7	-4082.5	-17.4	-1951.4	241.1	-84931.9
297.	-2066.3	-5502.7	-12.1	-1422.1	-544.2	-262529.5
	-2068.7	-5503.0	-17.4	-1951.4	885.1	-262563.1

Asta	115	nod	95	96		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1720.9	4902.7	-21.4	-622.1	-3544.4	-196419.4
	-1722.8	4902.4	-20.4	-916.8	-2760.4	-196377.0
34.	-1720.9	3614.0	-21.4	-622.1	-2824.3	-53232.2
	-1722.8	3613.7	-20.4	-916.8	-2074.7	-53199.9
67.	-1720.9	2325.3	-21.4	-622.1	-2104.3	46622.2
	-1722.8	2325.0	-20.4	-916.8	-1389.1	46644.3
101.	-1720.9	1036.6	-21.4	-622.1	-1384.2	103143.9
	-1722.8	1036.3	-20.4	-916.8	-703.4	103155.9
135.	-1720.9	-252.1	-21.4	-622.1	-664.1	116332.8
	-1722.8	-252.4	-20.4	-916.8	-17.7	116334.6
168.	-1720.9	-1540.8	-21.4	-622.1	55.9	86188.9
	-1722.8	-1541.1	-20.4	-916.8	668.0	86180.6
202.	-1720.9	-2829.5	-21.4	-622.1	776.0	12712.2
	-1722.8	-2829.8	-20.4	-916.8	1353.6	12693.9
235.	-1720.9	-4118.2	-21.4	-622.1	1496.1	-104097.2
	-1722.8	-4118.5	-20.4	-916.8	2039.3	-104125.7
269.	-1720.9	-5406.9	-21.4	-622.1	2216.1	-264239.3
	-1722.8	-5407.2	-20.4	-916.8	2725.0	-264278.0

Asta	116	nod	39	31		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	1151.2	3453.4	25.7	2859.1	1033.9	-223197.3
	1152.1	3455.1	25.4	2840.2	847.4	-223503.2
45.	1151.2	2645.9	25.7	2859.1	-111.0	-87296.4
	1152.1	2647.6	25.4	2840.2	-285.4	-87526.2
89.	1151.2	1838.5	25.7	2859.1	-1256.0	12621.5
	1152.1	1840.2	25.4	2840.2	-1418.2	12467.9
134.	1151.2	1031.0	25.7	2859.1	-2400.9	76556.4
	1152.1	1032.7	25.4	2840.2	-2551.0	76479.0
178.	1151.2	223.5	25.7	2859.1	-3545.9	104508.3
	1152.1	225.2	25.4	2840.2	-3683.8	104507.1
223.	1151.2	-584.0	25.7	2859.1	-4690.8	96477.3
	1152.1	-582.2	25.4	2840.2	-4816.6	96552.2
267.	1151.2	-1391.4	25.7	2859.1	-5835.8	52463.2
	1152.1	-1389.7	25.4	2840.2	-5949.4	52614.3
312.	1151.2	-2198.9	25.7	2859.1	-6980.7	-27533.9
	1152.1	-2197.2	25.4	2840.2	-7082.2	-27306.6
357.	1151.2	-3006.4	25.7	2859.1	-8125.7	-143513.9
	1152.1	-3004.7	25.4	2840.2	-8215.0	-143210.5

Asta	117	nod	41	29		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	1267.1	3326.4	-188.1	-9675.9	-27889.2	-200852.2
	1266.8	3327.9	-191.2	-9671.0	-28366.1	-201122.3
45.	1267.1	2518.9	-188.1	-9675.9	-19506.2	-70612.9
	1266.8	2520.4	-191.2	-9671.0	-19843.6	-70815.1
89.	1267.1	1711.4	-188.1	-9675.9	-11123.1	23643.5
	1266.8	1712.9	-191.2	-9671.0	-11321.1	23509.0
134.	1267.1	903.9	-188.1	-9675.9	-2740.0	81916.8
	1266.8	905.5	-191.2	-9671.0	-2798.7	81850.2
178.	1267.1	96.5	-188.1	-9675.9	5643.0	104207.2
	1266.8	98.0	-191.2	-9671.0	5723.8	104208.4
223.	1267.1	-711.0	-188.1	-9675.9	14026.1	90514.5
	1266.8	-709.5	-191.2	-9671.0	14246.3	90583.6
267.	1267.1	-1518.5	-188.1	-9675.9	22409.1	40838.9
	1266.8	-1517.0	-191.2	-9671.0	22768.8	40975.8
312.	1267.1	-2325.9	-188.1	-9675.9	30792.2	-44819.8
	1266.8	-2324.4	-191.2	-9671.0	31291.3	-44615.0
357.	1267.1	-3133.4	-188.1	-9675.9	39175.3	-166461.4
	1266.8	-3131.9	-191.2	-9671.0	39813.7	-166188.8

Asta	118	nod	64	10		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	99.9	6302.8	-60.9	-27870.7	-4675.4	-227941.6
	97.4	6302.4	-65.0	-27859.5	-5752.1	-227892.2
34.	99.9	4585.9	-60.9	-27870.7	-2589.2	-41473.4
	97.4	4585.5	-65.0	-27859.5	-3527.0	-41436.8
69.	99.9	2869.0	-60.9	-27870.7	-503.0	86192.5
	97.4	2868.7	-65.0	-27859.5	-1302.0	86216.4
103.	99.9	1152.2	-60.9	-27870.7	1583.2	155056.2
	97.4	1151.8	-65.0	-27859.5	923.0	155067.3
137.	99.9	-564.7	-60.9	-27870.7	3669.3	165117.7
	97.4	-565.0	-65.0	-27859.5	3148.0	165116.0
171.	99.9	-2281.5	-60.9	-27870.7	5755.5	116377.0
	97.4	-2281.9	-65.0	-27859.5	5373.1	116362.5
206.	99.9	-3998.4	-60.9	-27870.7	7841.7	8834.0
	97.4	-3998.7	-65.0	-27859.5	7598.1	8806.8

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240.	99.9	-5715.2	-60.9	-27870.7	9927.9	-157511.1
	97.4	-5715.6	-65.0	-27859.5	9823.1	-157551.1
274.	99.9	-7432.1	-60.9	-27870.7	12014.0	-382658.5
	97.4	-7432.4	-65.0	-27859.5	12048.1	-382711.3
Asta	119	nodì	2	4		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	175.4	10272.4	42.8	26013.5	7714.3	-715817.2
	176.7	10272.3	52.4	25815.3	9517.1	-715787.7
50.	175.4	7788.0	42.8	26013.5	5593.9	-268258.2
	176.7	7787.8	52.4	25815.3	6920.4	-268235.9
99.	175.4	5303.6	42.8	26013.5	3473.4	56166.5
	176.7	5303.4	52.4	25815.3	4323.7	56181.7
149.	175.4	2819.1	42.8	26013.5	1352.9	257456.9
	176.7	2819.0	52.4	25815.3	1727.0	257464.9
198.	175.4	334.7	42.8	26013.5	-767.6	335613.1
	176.7	334.6	52.4	25815.3	-869.7	335613.9
248.	175.4	-2149.7	42.8	26013.5	-2888.1	290634.9
	176.7	-2149.9	52.4	25815.3	-3466.4	290628.6
297.	175.4	-4634.1	42.8	26013.5	-5008.6	122522.5
	176.7	-4634.3	52.4	25815.3	-6063.1	122509.0
347.	175.4	-7118.6	42.8	26013.5	-7129.1	-168724.3
	176.7	-7118.7	52.4	25815.3	-8659.9	-168744.8
397.	175.4	-9603.0	42.8	26013.5	-9249.6	-583105.3
	176.7	-9603.1	52.4	25815.3	-11256.6	-583133.0
Asta	120	nodì	4	6		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-164.7	10335.1	-16.6	1640.4	-5871.5	-728146.4
	-164.0	10335.0	-16.9	1447.2	-6582.9	-728127.1
50.	-164.7	7828.7	-16.6	1640.4	-5039.4	-274050.4
	-164.0	7828.6	-16.9	1447.2	-5740.4	-274035.9
100.	-164.7	5322.4	-16.6	1640.4	-4207.3	54727.8
	-164.0	5322.3	-16.9	1447.2	-4897.9	54737.5
150.	-164.7	2816.0	-16.6	1640.4	-3375.2	258188.3
	-164.0	2815.9	-16.9	1447.2	-4055.3	258193.2
200.	-164.7	309.7	-16.6	1640.4	-2543.1	336331.0
	-164.0	309.6	-16.9	1447.2	-3212.8	336331.1
250.	-164.7	-2196.7	-16.6	1640.4	-1711.1	289156.0
	-164.0	-2196.8	-16.9	1447.2	-2370.3	289151.3
300.	-164.7	-4703.0	-16.6	1640.4	-879.0	116663.2
	-164.0	-4703.1	-16.9	1447.2	-1527.8	116653.8
350.	-164.7	-7209.4	-16.6	1640.4	-46.9	-181147.3
	-164.0	-7209.5	-16.9	1447.2	-685.3	-181161.5
400.	-164.7	-9715.7	-16.6	1640.4	785.2	-604275.6
	-164.0	-9715.8	-16.9	1447.2	157.2	-604294.6
Asta	121	nodì	6	8		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	72.7	10360.2	-5.5	-79.8	-1553.3	-726134.0
	72.9	10360.1	-9.5	144.2	-2516.0	-726117.7
50.	72.7	7838.2	-5.5	-79.8	-1274.5	-268331.6
	72.9	7838.1	-9.5	144.2	-2037.6	-268319.3
101.	72.7	5316.1	-5.5	-79.8	-995.7	62581.6
	72.9	5316.1	-9.5	144.2	-1559.2	62589.9
151.	72.7	2794.1	-5.5	-79.8	-716.8	266605.8
	72.9	2794.0	-9.5	144.2	-1080.8	266610.0
201.	72.7	272.1	-5.5	-79.8	-438.0	343740.8
	72.9	272.0	-9.5	144.2	-602.3	343741.0
252.	72.7	-2249.9	-5.5	-79.8	-159.2	293986.7
	72.9	-2250.0	-9.5	144.2	-123.9	293982.9
302.	72.7	-4771.9	-5.5	-79.8	119.6	117343.5
	72.9	-4772.0	-9.5	144.2	354.5	117335.7
352.	72.7	-7294.0	-5.5	-79.8	398.4	-186188.9
	72.9	-7294.0	-9.5	144.2	833.0	-186200.7
403.	72.7	-9816.0	-5.5	-79.8	677.2	-616610.3
	72.9	-9816.1	-9.5	144.2	1311.4	-616626.1
Asta	122	nodì	8	58		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-404.8	7622.6	-0.8	-842.9	-391.4	-408009.5
	-405.2	7622.5	-4.7	-702.4	-958.6	-407990.2
37.	-404.8	5767.9	-0.8	-842.9	-361.1	-160286.1
	-405.2	5767.7	-4.7	-702.4	-783.0	-160271.5
74.	-404.8	3913.2	-0.8	-842.9	-330.8	18813.3
	-405.2	3913.0	-4.7	-702.4	-607.4	18823.1
111.	-404.8	2058.5	-0.8	-842.9	-300.6	129288.8
	-405.2	2058.3	-4.7	-702.4	-431.8	129293.8
148.	-404.8	203.8	-0.8	-842.9	-270.3	171140.2
	-405.2	203.6	-4.7	-702.4	-256.3	171140.4
185.	-404.8	-1650.9	-0.8	-842.9	-240.0	144367.6
	-405.2	-1651.1	-4.7	-702.4	-80.7	144363.1
222.	-404.8	-3505.6	-0.8	-842.9	-209.7	48971.1
	-405.2	-3505.8	-4.7	-702.4	94.9	48961.8
259.	-404.8	-5360.3	-0.8	-842.9	-179.5	-115049.5
	-405.2	-5360.5	-4.7	-702.4	270.5	-115063.6
296.	-404.8	-7215.0	-0.8	-842.9	-149.2	-347694.1
	-405.2	-7215.2	-4.7	-702.4	446.1	-347712.9
Asta	123	nodì	58	60		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-69.9	8887.8	2.9	-1393.4	-331.0	-516606.5
	-70.8	8887.7	1.0	-1550.8	-189.7	-516589.0
44.	-69.9	6660.2	2.9	-1393.4	-459.1	-171148.9

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89.	-70.8	6660.2	1.0	-1550.8	-232.5	-171135.7
	-69.9	4432.7	2.9	-1393.4	-587.2	75323.2
	-70.8	4432.6	1.0	-1550.8	-275.2	75332.0
133.	-69.9	2205.2	2.9	-1393.4	-715.3	222809.6
	-70.8	2205.1	1.0	-1550.8	-318.0	222814.2
178.	-69.9	-22.3	2.9	-1393.4	-843.4	271310.6
	-70.8	-22.4	1.0	-1550.8	-360.7	271310.8
222.	-69.9	-2249.8	2.9	-1393.4	-971.5	220825.9
	-70.8	-2249.9	1.0	-1550.8	-403.5	220821.9
267.	-69.9	-4477.4	2.9	-1393.4	-1099.7	71355.8
	-70.8	-4477.5	1.0	-1550.8	-446.2	71347.4
311.	-69.9	-6704.9	2.9	-1393.4	-1227.8	-177100.0
	-70.8	-6705.0	1.0	-1550.8	-489.0	-177112.7
356.	-69.9	-8932.4	2.9	-1393.4	-1355.9	-524541.2
	-70.8	-8932.5	1.0	-1550.8	-531.7	-524558.3
Asta	124	nodì	60	62		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-310.4	7346.2	5.2	-2183.9	-1279.5	-354771.6
	-311.8	7346.0	11.2	-2377.8	184.8	-354746.4
37.	-310.4	5488.4	5.2	-2183.9	-1471.8	-116931.3
	-311.8	5488.2	11.2	-2377.8	-231.4	-116912.2
74.	-310.4	3630.5	5.2	-2183.9	-1664.1	52053.0
	-311.8	3630.4	11.2	-2377.8	-647.5	52065.9
111.	-310.4	1772.7	5.2	-2183.9	-1856.4	152181.3
	-311.8	1772.5	11.2	-2377.8	-1063.7	152188.0
148.	-310.4	-85.1	5.2	-2183.9	-2048.7	183453.5
	-311.8	-85.3	11.2	-2377.8	-1479.8	183454.1
185.	-310.4	-1943.0	5.2	-2183.9	-2241.0	145869.7
	-311.8	-1943.1	11.2	-2377.8	-1895.9	145864.2
222.	-310.4	-3800.8	5.2	-2183.9	-2433.3	39429.9
	-311.8	-3801.0	11.2	-2377.8	-2312.1	39418.2
259.	-310.4	-5658.7	5.2	-2183.9	-2625.6	-135866.0
	-311.8	-5658.8	11.2	-2377.8	-2728.2	-135883.8
297.	-310.4	-7516.5	5.2	-2183.9	-2817.9	-380017.9
	-311.8	-7516.7	11.2	-2377.8	-3144.4	-380041.9
Asta	125	nodì	62	64		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-131.0	6306.8	-9.7	-3898.4	-4276.7	-244442.8
	-132.9	6306.6	-3.5	-3980.5	-3775.6	-244407.4
34.	-131.0	4621.3	-9.7	-3898.4	-3950.4	-60713.0
	-132.9	4621.1	-3.5	-3980.5	-3656.5	-60686.2
67.	-131.0	2935.8	-9.7	-3898.4	-3624.0	66341.2
	-132.9	2935.5	-3.5	-3980.5	-3537.4	66359.3
101.	-131.0	1250.3	-9.7	-3898.4	-3297.7	136719.5
	-132.9	1250.0	-3.5	-3980.5	-3418.3	136729.0
135.	-131.0	-435.2	-9.7	-3898.4	-2971.3	150422.2
	-132.9	-435.5	-3.5	-3980.5	-3299.2	150422.9
168.	-131.0	-2120.8	-9.7	-3898.4	-2645.0	107449.1
	-132.9	-2121.0	-3.5	-3980.5	-3180.2	107441.2
202.	-131.0	-3806.3	-9.7	-3898.4	-2318.6	7800.3
	-132.9	-3806.6	-3.5	-3980.5	-3061.1	7783.7
235.	-131.0	-5491.8	-9.7	-3898.4	-1992.3	-148524.2
	-132.9	-5492.1	-3.5	-3980.5	-2942.0	-148549.6
269.	-131.0	-7177.3	-9.7	-3898.4	-1666.0	-361524.5
	-132.9	-7177.6	-3.5	-3980.5	-2822.9	-361558.5
Asta	126	nodì	36	110		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-149.5	3132.5	34.2	9401.6	14845.3	-164140.3
	-150.5	3137.5	26.8	9334.1	13241.4	-165074.3
45.	-149.5	2325.0	34.2	9401.6	13322.9	-42540.0
	-150.5	2330.0	26.8	9334.1	12045.9	-43251.5
89.	-149.5	1517.5	34.2	9401.6	11800.5	43077.4
	-150.5	1522.5	26.8	9334.1	10850.4	42588.2
134.	-149.5	710.1	34.2	9401.6	10278.1	92711.7
	-150.5	715.1	26.8	9334.1	9654.9	92445.0
178.	-149.5	-97.4	34.2	9401.6	8755.7	106363.0
	-150.5	-92.4	26.8	9334.1	8459.3	106318.8
223.	-149.5	-904.9	34.2	9401.6	7233.2	84031.3
	-150.5	-899.9	26.8	9334.1	7263.8	84209.6
267.	-149.5	-1712.3	34.2	9401.6	5710.8	25716.7
	-150.5	-1707.3	26.8	9334.1	6068.3	26117.4
312.	-149.5	-2519.8	34.2	9401.6	4188.4	-68581.0
	-150.5	-2514.8	26.8	9334.1	4872.8	-67957.7
357.	-149.5	-3327.3	34.2	9401.6	2666.0	-198861.6
	-150.5	-3322.3	26.8	9334.1	3677.3	-198015.9
Asta	127	nodì	12	10		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-549.5	5451.2	23.7	-7105.9	69.8	-521897.0
	-531.5	5453.3	20.8	-7099.8	-1341.2	-522540.7
76.	-549.5	4072.9	23.7	-7105.9	-1730.1	-159684.0
	-531.5	4075.1	20.8	-7099.8	-2920.1	-160165.5
152.	-549.5	2694.7	23.7	-7105.9	-3530.0	97695.8
	-531.5	2696.8	20.8	-7099.8	-4499.1	97376.4
228.	-549.5	1316.4	23.7	-7105.9	-5329.8	250242.2
	-531.5	1318.5	20.8	-7099.8	-6078.0	250084.9
304.	-549.5	-61.8	23.7	-7105.9	-7129.7	297955.2
	-531.5	-59.7	20.8	-7099.8	-7657.0	297960.1
380.	-549.5	-1440.1	23.7	-7105.9	-8929.6	240835.0
	-531.5	-1438.0	20.8	-7099.8	-9235.9	241002.0
456.	-549.5	-2818.3	23.7	-7105.9	-10729.4	78881.4

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532.	-531.5	-2816.2	20.8	-7099.8	-10814.9	79210.5
	-549.5	-4196.6	23.7	-7105.9	-12529.3	-187905.5
	-531.5	-4194.5	20.8	-7099.8	-12393.9	-187414.3
609.	-549.5	-5574.8	23.7	-7105.9	-14329.2	-559525.8
	-531.5	-5572.7	20.8	-7099.8	-13972.8	-558872.4
Asta	128	nodì	110	12		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-127.6	2260.5	345.9	-6769.8	73909.1	-74933.1
	-132.7	2267.2	332.6	-6790.9	72773.0	-75928.8
39.	-127.6	1553.8	345.9	-6769.8	60417.6	-552.8
	-132.7	1560.5	332.6	-6790.9	59800.0	-1287.4
78.	-127.6	847.2	345.9	-6769.8	46926.1	46267.1
	-132.7	853.9	332.6	-6790.9	46826.9	45793.5
117.	-127.6	140.5	345.9	-6769.8	33434.6	65526.4
	-132.7	147.2	332.6	-6790.9	33853.8	65313.9
156.	-127.6	-566.2	345.9	-6769.8	19943.1	57225.3
	-132.7	-559.5	332.6	-6790.9	20880.7	57273.8
195.	-127.6	-1272.9	345.9	-6769.8	6451.7	21363.6
	-132.7	-1266.2	332.6	-6790.9	7907.6	21673.1
234.	-127.6	-1979.6	345.9	-6769.8	-7039.8	-42058.7
	-132.7	-1972.9	332.6	-6790.9	-5065.4	-41488.1
273.	-127.6	-2686.2	345.9	-6769.8	-20531.3	-133041.4
	-132.7	-2679.5	332.6	-6790.9	-18038.5	-132209.8
312.	-127.6	-3392.9	345.9	-6769.8	-34022.8	-251584.7
	-132.7	-3386.2	332.6	-6790.9	-31011.6	-250492.0
Asta	130	nodì	38	36		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	784.9	8169.3	-56.9	-2104.9	-3197.6	-619962.9
	791.7	8171.0	-47.9	-2178.5	-1182.4	-620322.1
53.	784.9	6226.6	-56.9	-2104.9	-198.2	-240721.2
	791.7	6228.3	-47.9	-2178.5	1342.1	-240989.1
105.	784.9	4283.9	-56.9	-2104.9	2801.2	36165.2
	791.7	4285.6	-47.9	-2178.5	3866.5	35988.6
158.	784.9	2341.2	-56.9	-2104.9	5800.6	210696.1
	791.7	2343.0	-47.9	-2178.5	6391.0	210610.9
211.	784.9	398.5	-56.9	-2104.9	8800.1	282871.7
	791.7	400.3	-47.9	-2178.5	8915.4	282877.9
263.	784.9	-1544.2	-56.9	-2104.9	11799.5	252691.9
	791.7	-1542.4	-47.9	-2178.5	11439.9	252789.4
316.	784.9	-3486.8	-56.9	-2104.9	14798.9	120156.7
	791.7	-3485.1	-47.9	-2178.5	13964.3	120345.6
369.	784.9	-5429.5	-56.9	-2104.9	17798.3	-114733.9
	791.7	-5427.8	-47.9	-2178.5	16488.8	-114453.7
422.	784.9	-7372.2	-56.9	-2104.9	20797.8	-451979.9
	791.7	-7370.5	-47.9	-2178.5	19013.2	-451608.3
Asta	131	nodì	44	42		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	932.8	8632.6	102.5	8480.7	16464.0	-662737.0
	937.6	8633.3	105.9	8310.0	17099.5	-662899.0
58.	932.8	6491.8	102.5	8480.7	10510.2	-223657.1
	937.6	6492.5	105.9	8310.0	10949.8	-223778.0
116.	932.8	4350.9	102.5	8480.7	4556.4	91118.3
	937.6	4351.6	105.9	8310.0	4800.2	91038.4
174.	932.8	2210.0	102.5	8480.7	-1397.4	281589.1
	937.6	2210.7	105.9	8310.0	-1349.4	281550.4
232.	932.8	69.1	102.5	8480.7	-7351.2	347755.3
	937.6	69.8	105.9	8310.0	-7499.1	347757.7
290.	932.8	-2071.7	102.5	8480.7	-13304.9	289617.1
	937.6	-2071.0	105.9	8310.0	-13648.7	289660.6
348.	932.8	-4212.6	102.5	8480.7	-19258.7	107174.2
	937.6	-4211.9	105.9	8310.0	-19798.3	107258.9
406.	932.8	-6353.5	102.5	8480.7	-25212.5	-199573.1
	937.6	-6352.8	105.9	8310.0	-25948.0	-199447.4
465.	932.8	-8494.4	102.5	8480.7	-31166.3	-630625.0
	937.6	-8493.7	105.9	8310.0	-32097.6	-630458.1
Asta	132	nodì	40	38		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	933.0	8652.8	-42.6	-13187.4	-21850.2	-670266.2
	938.7	8654.3	-48.3	-13478.3	-22853.9	-670602.2
58.	933.0	6512.0	-42.6	-13187.4	-19379.2	-230013.0
	938.7	6513.4	-48.3	-13478.3	-20050.7	-230266.7
116.	933.0	4371.1	-42.6	-13187.4	-16908.2	85935.6
	938.7	4372.5	-48.3	-13478.3	-17247.6	85764.2
174.	933.0	2230.2	-42.6	-13187.4	-14437.3	277579.7
	938.7	2231.6	-48.3	-13478.3	-14444.4	277490.6
232.	933.0	89.3	-42.6	-13187.4	-11966.3	344919.3
	938.7	90.8	-48.3	-13478.3	-11641.2	344912.5
290.	933.0	-2051.5	-42.6	-13187.4	-9495.4	287954.4
	938.7	-2050.1	-48.3	-13478.3	-8838.0	288029.8
348.	933.0	-4192.4	-42.6	-13187.4	-7024.4	106684.9
	938.7	-4191.0	-48.3	-13478.3	-6034.9	106842.6
406.	933.0	-6333.3	-42.6	-13187.4	-4553.4	-198889.2
	938.7	-6331.9	-48.3	-13478.3	-3231.7	-198649.1
465.	933.0	-8474.2	-42.6	-13187.4	-2082.5	-628767.7
	938.7	-8472.7	-48.3	-13478.3	-428.5	-628445.4
Asta	133	nodì	46	44		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	449.7	7241.5	-16.0	-13119.8	9187.3	-475197.4
	451.5	7242.4	-15.8	-13237.3	9363.6	-475377.8

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49.	449.7	5432.5	-16.0	-13119.8	9974.1	-164288.4
	451.5	5433.4	-15.8	-13237.3	10138.4	-164424.3
98.	449.7	3623.5	-16.0	-13119.8	10760.9	57865.2
	451.5	3624.4	-15.8	-13237.3	10913.3	57773.7
147.	449.7	1814.4	-16.0	-13119.8	11547.6	191263.4
	451.5	1815.3	-15.8	-13237.3	11688.1	191216.3
196.	449.7	5.4	-16.0	-13119.8	12334.4	235906.2
	451.5	6.3	-15.8	-13237.3	12463.0	235903.6
245.	449.7	-1803.6	-16.0	-13119.8	13121.2	191793.5
	451.5	-1802.7	-15.8	-13237.3	13237.8	191835.4
294.	449.7	-3612.7	-16.0	-13119.8	13907.9	58925.4
	451.5	-3611.7	-15.8	-13237.3	14012.7	59011.7
343.	449.7	-5421.7	-16.0	-13119.8	14694.7	-162698.0
	451.5	-5420.8	-15.8	-13237.3	14787.5	-162567.3
393.	449.7	-7230.7	-16.0	-13119.8	15481.4	-473076.9
	451.5	-7229.8	-15.8	-13237.3	15562.4	-472901.7
Asta	134	nodì	40	32		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-246.6	3702.6	137.0	-2841.9	14429.5	-262874.6
	-240.7	3695.0	142.2	-2915.6	15406.5	-261524.5
45.	-246.6	2895.1	137.0	-2841.9	8325.4	-115870.8
	-240.7	2887.5	142.2	-2915.6	9069.6	-114859.1
89.	-246.6	2087.6	137.0	-2841.9	2221.3	-4850.1
	-240.7	2080.0	142.2	-2915.6	2732.6	-4176.7
134.	-246.6	1280.1	137.0	-2841.9	-3882.9	70187.7
	-240.7	1272.5	142.2	-2915.6	-3604.4	70522.6
178.	-246.6	472.7	137.0	-2841.9	-9987.0	109242.5
	-240.7	465.1	142.2	-2915.6	-9941.4	109239.0
223.	-246.6	-334.8	137.0	-2841.9	-16091.1	112314.3
	-240.7	-342.4	142.2	-2915.6	-16278.4	111972.4
267.	-246.6	-1142.3	137.0	-2841.9	-22195.2	79403.0
	-240.7	-1149.9	142.2	-2915.6	-22615.4	78722.8
312.	-246.6	-1949.7	137.0	-2841.9	-28299.4	10508.8
	-240.7	-1957.3	142.2	-2915.6	-28952.3	9490.2
357.	-246.6	-2757.2	137.0	-2841.9	-34403.5	-94368.4
	-240.7	-2764.8	142.2	-2915.6	-35289.3	-95725.4
Asta	135	nodì	42	30		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-288.2	3314.8	-229.5	-3168.7	-32918.8	-194724.1
	-287.8	3318.3	-236.7	-3200.9	-33688.5	-195344.5
45.	-288.2	2507.4	-229.5	-3168.7	-22693.7	-64998.7
	-287.8	2510.8	-236.7	-3200.9	-23141.7	-65465.9
89.	-288.2	1699.9	-229.5	-3168.7	-12468.6	28743.7
	-287.8	1703.3	-236.7	-3200.9	-12594.8	28429.6
134.	-288.2	892.4	-229.5	-3168.7	-2243.5	86503.1
	-287.8	895.8	-236.7	-3200.9	-2048.0	86342.2
178.	-288.2	84.9	-229.5	-3168.7	7981.6	108279.5
	-287.8	88.4	-236.7	-3200.9	8498.9	108271.7
223.	-288.2	-722.5	-229.5	-3168.7	18206.7	94072.9
	-287.8	-719.1	-236.7	-3200.9	19045.7	94218.3
267.	-288.2	-1530.0	-229.5	-3168.7	28431.8	43883.3
	-287.8	-1526.6	-236.7	-3200.9	29592.6	44181.9
312.	-288.2	-2337.5	-229.5	-3168.7	38656.9	-42289.3
	-287.8	-2334.0	-236.7	-3200.9	40139.5	-41837.5
357.	-288.2	-3145.0	-229.5	-3168.7	48882.0	-164444.9
	-287.8	-3141.5	-236.7	-3200.9	50686.3	-163840.0
Asta	136	nodì	50	32		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-512.7	5892.5	-26.2	-9697.2	-23153.5	-377121.0
	-505.1	5892.8	-38.5	-9744.1	-24734.4	-377167.7
39.	-512.7	4548.0	-26.2	-9697.2	-22133.0	-173857.9
	-505.1	4548.3	-38.5	-9744.1	-23234.2	-173892.2
78.	-512.7	3203.4	-26.2	-9697.2	-21112.5	-22948.6
	-505.1	3203.7	-38.5	-9744.1	-21734.0	-22970.4
117.	-512.7	1858.8	-26.2	-9697.2	-20092.0	75607.0
	-505.1	1859.2	-38.5	-9744.1	-20233.8	75597.7
156.	-512.7	514.3	-26.2	-9697.2	-19071.5	121808.9
	-505.1	514.6	-38.5	-9744.1	-18733.6	121812.0
195.	-512.7	-830.3	-26.2	-9697.2	-18051.0	115657.0
	-505.1	-830.0	-38.5	-9744.1	-17233.4	115672.5
234.	-512.7	-2174.8	-26.2	-9697.2	-17030.5	57151.3
	-505.1	-2174.5	-38.5	-9744.1	-15733.1	57179.3
273.	-512.7	-3519.4	-26.2	-9697.2	-16010.1	-53708.1
	-505.1	-3519.1	-38.5	-9744.1	-14232.9	-53667.7
312.	-512.7	-4863.9	-26.2	-9697.2	-14989.6	-216921.2
	-505.1	-4863.6	-38.5	-9744.1	-12732.7	-216868.4
Asta	137	nodì	52	50		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-870.2	5928.9	24.4	-1941.0	-14030.8	-353705.2
	-864.3	5929.0	22.9	-1660.2	-15507.7	-353728.0
41.	-870.2	4513.1	24.4	-1941.0	-15030.7	-139644.8
	-864.3	4513.2	22.9	-1660.2	-16444.8	-139662.2
82.	-870.2	3097.3	24.4	-1941.0	-16030.6	16368.6
	-864.3	3097.4	22.9	-1660.2	-17381.9	16356.7
123.	-870.2	1681.5	24.4	-1941.0	-17030.5	114335.1
	-864.3	1681.7	22.9	-1660.2	-18318.9	114328.6
164.	-870.2	265.8	24.4	-1941.0	-18030.4	154254.6
	-864.3	265.9	22.9	-1660.2	-19256.0	154253.6
205.	-870.2	-1150.0	24.4	-1941.0	-19030.3	136127.2
	-864.3	-1149.9	22.9	-1660.2	-20193.1	136131.6

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246.	-870.2	-2565.8	24.4	-1941.0	-20030.2	59952.8
	-864.3	-2565.7	22.9	-1660.2	-21130.1	59962.7
287.	-870.2	-3981.6	24.4	-1941.0	-21030.1	-74268.5
	-864.3	-3981.4	22.9	-1660.2	-22067.2	-74253.2
328.	-870.2	-5397.4	24.4	-1941.0	-22030.0	-266536.7
	-864.3	-5397.2	22.9	-1660.2	-23004.3	-266516.0

Asta	138	nod	30	52		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1165.3	5296.1	74.7	7029.7	1459.7	-280456.6
	-1161.1	5296.4	84.4	7232.2	3030.8	-280503.3
38.	-1165.3	3968.8	74.7	7029.7	-1410.1	-102395.9
	-1161.1	3969.1	84.4	7232.2	-211.4	-102432.4
77.	-1165.3	2641.5	74.7	7029.7	-4280.0	24647.0
	-1161.1	2641.8	84.4	7232.2	-3453.7	24620.8
115.	-1165.3	1314.2	74.7	7029.7	-7149.8	100672.0
	-1161.1	1314.5	84.4	7232.2	-6696.0	100656.2
154.	-1165.3	-13.1	74.7	7029.7	-10019.6	125679.2
	-1161.1	-12.8	84.4	7232.2	-9938.2	125673.7
192.	-1165.3	-1340.3	74.7	7029.7	-12889.5	99668.6
	-1161.1	-1340.1	84.4	7232.2	-13180.5	99673.4
231.	-1165.3	-2667.6	74.7	7029.7	-15759.3	22640.2
	-1161.1	-2667.4	84.4	7232.2	-16422.8	22655.2
269.	-1165.3	-3994.9	74.7	7029.7	-18629.1	-105406.1
	-1161.1	-3994.7	84.4	7232.2	-19665.0	-105380.7
308.	-1165.3	-5322.2	74.7	7029.7	-21499.0	-284470.2
	-1161.1	-5322.0	84.4	7232.2	-22907.3	-284434.5

Asta	139	nod	111	2		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-20.6	4489.8	2.7	-137115.4	-2717.6	-210211.7
	-0.4	4488.6	0.7	-137126.7	-2896.6	-209960.0
76.	-20.6	3111.6	2.7	-137115.4	-2919.7	78877.9
	-0.4	3110.3	0.7	-137126.7	-2948.5	79036.7
152.	-20.6	1733.3	2.7	-137115.4	-3121.8	263134.1
	-0.4	1732.1	0.7	-137126.7	-3000.4	263200.1
228.	-20.6	355.1	2.7	-137115.4	-3323.9	342557.0
	-0.4	353.8	0.7	-137126.7	-3052.3	342530.1
304.	-20.6	-1023.2	2.7	-137115.4	-3525.9	317146.6
	-0.4	-1024.4	0.7	-137126.7	-3104.2	317026.8
380.	-20.6	-2401.5	2.7	-137115.4	-3728.0	186902.9
	-0.4	-2402.7	0.7	-137126.7	-3156.2	186690.1
456.	-20.6	-3779.7	2.7	-137115.4	-3930.1	-48174.2
	-0.4	-3780.9	0.7	-137126.7	-3208.1	-48479.8
532.	-20.6	-5158.0	2.7	-137115.4	-4132.1	-388084.6
	-0.4	-5159.2	0.7	-137126.7	-3260.0	-388483.1
609.	-20.6	-6536.2	2.7	-137115.4	-4334.2	-832828.3
	-0.4	-6537.4	0.7	-137126.7	-3311.9	-833319.8

Asta	140	nod	112	111		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-218.4	3027.3	-200.5	61289.4	-38405.2	-165593.8
	-224.3	3024.9	-197.5	61278.5	-38092.8	-165195.6
39.	-218.4	2320.6	-200.5	61289.4	-30585.7	-61311.3
	-224.3	2318.2	-197.5	61278.5	-30391.1	-61006.2
78.	-218.4	1613.9	-200.5	61289.4	-22766.1	15410.7
	-224.3	1611.5	-197.5	61278.5	-22689.4	15622.7
117.	-218.4	907.2	-200.5	61289.4	-14946.6	64572.2
	-224.3	904.8	-197.5	61278.5	-14987.7	64691.0
156.	-218.4	200.5	-200.5	61289.4	-7127.1	86173.2
	-224.3	198.1	-197.5	61278.5	-7286.1	86198.8
195.	-218.4	-506.1	-200.5	61289.4	692.4	80213.6
	-224.3	-508.5	-197.5	61278.5	415.6	80146.1
234.	-218.4	-1212.8	-200.5	61289.4	8511.9	46693.5
	-224.3	-1215.2	-197.5	61278.5	8117.3	46532.9
273.	-218.4	-1919.5	-200.5	61289.4	16331.5	-14387.1
	-224.3	-1921.9	-197.5	61278.5	15819.0	-14640.9
312.	-218.4	-2626.2	-200.5	61289.4	24151.0	-103028.2
	-224.3	-2628.6	-197.5	61278.5	23520.7	-103375.2

Asta	141	nod	46	112		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	628.4	4399.0	-142.2	176700.5	-17762.3	-421608.4
	610.1	4395.8	-142.6	176688.8	-17853.4	-420868.7
45.	628.4	3591.6	-142.2	176700.5	-11427.6	-243568.2
	610.1	3588.4	-142.6	176688.8	-11497.3	-242970.4
89.	628.4	2784.1	-142.2	176700.5	-5092.9	-101511.1
	610.1	2780.9	-142.6	176688.8	-5141.2	-101055.2
134.	628.4	1976.6	-142.2	176700.5	1241.8	4563.1
	610.1	1973.4	-142.6	176688.8	1214.8	4877.1
178.	628.4	1169.1	-142.2	176700.5	7576.5	74654.2
	610.1	1166.0	-142.6	176688.8	7570.9	74826.4
223.	628.4	361.7	-142.2	176700.5	13911.2	108762.4
	610.1	358.5	-142.6	176688.8	13927.0	108792.7
267.	628.4	-445.8	-142.2	176700.5	20245.9	106887.6
	610.1	-449.0	-142.6	176688.8	20283.1	106775.9
312.	628.4	-1253.3	-142.2	176700.5	26580.6	69029.8
	610.1	-1256.5	-142.6	176688.8	26639.1	68776.2
357.	628.4	-2060.8	-142.2	176700.5	32915.3	-4811.0
	610.1	-2063.9	-142.6	176688.8	32995.2	-5206.5

Asta	142	nod	13	11		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	62.0	5863.6	-169.5	17110.4	-2940.8	-41677.7

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	57.1	5863.7	-140.5	17426.0	687.6	-41689.0
34.	62.0	3865.2	-169.5	17110.4	2863.0	124927.8
	57.1	3865.3	-140.5	17426.0	5500.9	124919.2
69.	62.0	1866.7	-169.5	17110.4	8666.7	223087.0
	57.1	1866.8	-140.5	17426.0	10314.1	223081.0
103.	62.0	-131.7	-169.5	17110.4	14470.5	252799.9
	57.1	-131.6	-140.5	17426.0	15127.4	252796.6
137.	62.0	-2130.1	-169.5	17110.4	20274.3	214066.5
	57.1	-2130.0	-140.5	17426.0	19940.6	214065.9
171.	62.0	-4128.5	-169.5	17110.4	26078.0	106886.8
	57.1	-4128.5	-140.5	17426.0	24753.9	106889.0
206.	62.0	-6127.0	-169.5	17110.4	31881.8	-68739.1
	57.1	-6126.9	-140.5	17426.0	29567.2	-68734.3
240.	62.0	-8125.4	-169.5	17110.4	37685.6	-312811.3
	57.1	-8125.3	-140.5	17426.0	34380.4	-312803.8
274.	62.0	-10123.8	-169.5	17110.4	43489.3	-625329.8
	57.1	-10123.8	-140.5	17426.0	39193.7	-625319.6
Asta	143	nod	15	13		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3012.3	6625.1	0.4	-1410.7	282.9	-182364.4
	-3015.8	6625.3	-0.7	-722.6	2279.0	-182390.8
34.	-3012.3	4663.2	0.4	-1410.7	269.6	7419.7
	-3015.8	4663.4	-0.7	-722.6	2303.0	7400.4
67.	-3012.3	2701.2	0.4	-1410.7	256.3	131232.7
	-3015.8	2701.4	-0.7	-722.6	2327.1	131220.4
101.	-3012.3	739.2	0.4	-1410.7	242.9	189074.8
	-3015.8	739.4	-0.7	-722.6	2351.1	189069.5
135.	-3012.3	-1222.7	0.4	-1410.7	229.6	180945.8
	-3015.8	-1222.5	-0.7	-722.6	2375.1	180947.5
168.	-3012.3	-3184.7	0.4	-1410.7	216.3	106845.8
	-3015.8	-3184.5	-0.7	-722.6	2399.1	106854.5
202.	-3012.3	-5146.7	0.4	-1410.7	203.0	-33225.3
	-3015.8	-5146.5	-0.7	-722.6	2423.2	-33209.5
235.	-3012.3	-7108.6	0.4	-1410.7	189.7	-239267.4
	-3015.8	-7108.4	-0.7	-722.6	2447.2	-239244.6
269.	-3012.3	-9070.6	0.4	-1410.7	176.4	-511280.5
	-3015.8	-9070.4	-0.7	-722.6	2471.2	-511250.7
Asta	144	nod	17	15		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-5789.5	9306.8	6.7	-3256.8	2680.7	-466199.7
	-5791.8	9306.9	3.1	-3706.3	3269.1	-466217.6
41.	-5789.5	6918.2	6.7	-3256.8	2404.5	-134094.2
	-5791.8	6918.3	3.1	-3706.3	3142.3	-134107.4
82.	-5789.5	4529.5	6.7	-3256.8	2128.3	100226.5
	-5791.8	4529.7	3.1	-3706.3	3015.5	100217.9
123.	-5789.5	2140.9	6.7	-3256.8	1852.1	236762.4
	-5791.8	2141.0	3.1	-3706.3	2888.7	236758.5
164.	-5789.5	-247.7	6.7	-3256.8	1575.9	275513.5
	-5791.8	-247.6	3.1	-3706.3	2761.9	275514.3
205.	-5789.5	-2636.4	6.7	-3256.8	1299.7	216479.9
	-5791.8	-2636.2	3.1	-3706.3	2635.1	216485.3
246.	-5789.5	-5025.0	6.7	-3256.8	1023.5	59661.4
	-5791.8	-5024.9	3.1	-3706.3	2508.3	59671.5
287.	-5789.5	-7413.6	6.7	-3256.8	747.3	-194941.9
	-5791.8	-7413.5	3.1	-3706.3	2381.5	-194927.1
328.	-5789.5	-9802.3	6.7	-3256.8	471.1	-547329.9
	-5791.8	-9802.2	3.1	-3706.3	2254.7	-547310.4
Asta	145	nod	19	17		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-6731.2	9941.6	5.8	-5262.9	3689.7	-582819.4
	-6732.4	9941.7	0.3	-6200.4	2655.3	-582838.2
41.	-6731.2	7556.6	5.8	-5262.9	3452.3	-225201.5
	-6732.4	7556.7	0.3	-6200.4	2645.1	-225215.4
82.	-6731.2	5171.6	5.8	-5262.9	3214.9	34930.0
	-6732.4	5171.7	0.3	-6200.4	2634.9	34921.0
123.	-6731.2	2786.6	5.8	-5262.9	2977.5	197575.0
	-6732.4	2786.7	0.3	-6200.4	2624.6	197570.9
164.	-6731.2	401.6	5.8	-5262.9	2740.1	262733.6
	-6732.4	401.7	0.3	-6200.4	2614.4	262734.4
204.	-6731.2	-1983.4	5.8	-5262.9	2502.7	230405.7
	-6732.4	-1983.3	0.3	-6200.4	2604.1	230411.5
245.	-6731.2	-4368.4	5.8	-5262.9	2265.3	100591.4
	-6732.4	-4368.3	0.3	-6200.4	2593.9	100602.1
286.	-6731.2	-6753.4	5.8	-5262.9	2027.9	-126709.3
	-6732.4	-6753.2	0.3	-6200.4	2583.6	-126693.7
327.	-6731.2	-9138.4	5.8	-5262.9	1790.5	-451496.5
	-6732.4	-9138.2	0.3	-6200.4	2573.4	-451476.0
Asta	146	nod	21	19		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-8218.7	9325.5	0.6	-7897.6	3233.8	-486728.1
	-8218.8	9325.6	-1.3	-8249.0	1882.4	-486750.3
41.	-8218.7	6933.2	0.6	-7897.6	3209.5	-153424.9
	-8218.8	6933.3	-1.3	-8249.0	1937.0	-153441.3
82.	-8218.7	4540.9	0.6	-7897.6	3185.3	81794.7
	-8218.8	4541.1	-1.3	-8249.0	1991.6	81784.0
123.	-8218.7	2148.6	0.6	-7897.6	3161.0	218930.6
	-8218.8	2148.8	-1.3	-8249.0	2046.2	218925.7
164.	-8218.7	-243.6	0.6	-7897.6	3136.8	257983.0
	-8218.8	-243.5	-1.3	-8249.0	2100.8	257983.9
205.	-8218.7	-2635.9	0.6	-7897.6	3112.5	198951.8

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246.	-8218.8	-2635.8	-1.3	-8249.0	2155.4	198958.4
	-8218.7	-5028.2	0.6	-7897.6	3088.3	41837.0
	-8218.8	-5028.1	-1.3	-8249.0	2210.0	41849.4
287.	-8218.7	-7420.5	0.6	-7897.6	3064.0	-213361.4
	-8218.8	-7420.4	-1.3	-8249.0	2264.6	-213343.3
328.	-8218.7	-9812.8	0.6	-7897.6	3039.8	-566643.5
	-8218.8	-9812.6	-1.3	-8249.0	2319.2	-566619.6
Asta	147	nod	23	21		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-11637.2	8495.2	-25.9	-9727.8	-4868.5	-349388.6
	-11636.2	8495.4	-22.7	-9236.5	-5018.1	-349426.5
41.	-11637.2	6113.8	-25.9	-9727.8	-3809.7	-51273.8
	-11636.2	6114.1	-22.7	-9236.5	-4090.3	-51301.7
82.	-11637.2	3732.5	-25.9	-9727.8	-2750.8	149652.4
	-11636.2	3732.7	-22.7	-9236.5	-3162.4	149634.5
122.	-11637.2	1351.1	-25.9	-9727.8	-1692.0	253390.2
	-11636.2	1351.4	-22.7	-9236.5	-2234.6	253382.2
163.	-11637.2	-1030.2	-25.9	-9727.8	-633.1	259939.3
	-11636.2	-1030.0	-22.7	-9236.5	-1306.7	259941.3
204.	-11637.2	-3411.5	-25.9	-9727.8	425.7	169300.0
	-11636.2	-3411.3	-22.7	-9236.5	-378.9	169311.9
245.	-11637.2	-5792.9	-25.9	-9727.8	1484.6	-18528.0
	-11636.2	-5792.6	-22.7	-9236.5	548.9	-18506.0
286.	-11637.2	-8174.2	-25.9	-9727.8	2543.4	-303544.4
	-11636.2	-8174.0	-22.7	-9236.5	1476.8	-303512.5
327.	-11637.2	-10555.6	-25.9	-9727.8	3602.3	-685749.4
	-11636.2	-10555.3	-22.7	-9236.5	2404.6	-685707.6
Asta	148	nod	25	23		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-16710.2	8679.9	-36.9	-10027.6	-16311.9	-369890.6
	-16707.4	8680.6	-33.1	-9400.2	-15389.6	-369998.3
41.	-16710.2	6280.3	-36.9	-10027.6	-14793.5	-62270.2
	-16707.4	6281.0	-33.1	-9400.2	-14027.2	-62351.5
82.	-16710.2	3880.8	-36.9	-10027.6	-13275.0	146667.5
	-16707.4	3881.4	-33.1	-9400.2	-12664.8	146612.8
123.	-16710.2	1481.2	-36.9	-10027.6	-11756.6	256922.7
	-16707.4	1481.8	-33.1	-9400.2	-11302.4	256894.6
165.	-16710.2	-918.4	-36.9	-10027.6	-10238.1	268495.4
	-16707.4	-917.7	-33.1	-9400.2	-9940.0	268493.7
206.	-16710.2	-3318.0	-36.9	-10027.6	-8719.6	181385.4
	-16707.4	-3317.3	-33.1	-9400.2	-8577.6	181410.2
247.	-16710.2	-5717.5	-36.9	-10027.6	-7201.2	-4407.2
	-16707.4	-5716.9	-33.1	-9400.2	-7215.2	-4355.8
288.	-16710.2	-8117.1	-36.9	-10027.6	-5682.7	-288882.3
	-16707.4	-8116.5	-33.1	-9400.2	-5852.8	-288804.4
329.	-16710.2	-10516.7	-36.9	-10027.6	-4164.3	-672040.0
	-16707.4	-10516.0	-33.1	-9400.2	-4490.4	-671935.6
Asta	149	nod	55	25		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-24154.4	9584.5	246.8	16942.4	35181.1	-368483.9
	-24155.8	9584.5	248.2	17364.1	35399.9	-368486.7
45.	-24154.4	6966.2	246.8	16942.4	24107.8	2872.1
	-24155.8	6966.1	248.2	17364.1	24263.4	2868.6
90.	-24154.4	4347.8	246.8	16942.4	13034.4	256728.2
	-24155.8	4347.8	248.2	17364.1	13126.9	256724.0
135.	-24154.4	1729.4	246.8	16942.4	1961.1	393084.3
	-24155.8	1729.4	248.2	17364.1	1990.3	393079.5
180.	-24154.4	-889.0	246.8	16942.4	-9112.3	411940.5
	-24155.8	-889.0	248.2	17364.1	-9146.2	411935.0
224.	-24154.4	-3507.4	246.8	16942.4	-20185.6	313296.8
	-24155.8	-3507.4	248.2	17364.1	-20282.7	313290.6
269.	-24154.4	-6125.8	246.8	16942.4	-31259.0	97153.2
	-24155.8	-6125.8	248.2	17364.1	-31419.2	97146.3
314.	-24154.4	-8744.1	246.8	16942.4	-42332.4	-236490.4
	-24155.8	-8744.2	248.2	17364.1	-42555.7	-236498.0
359.	-24154.4	-11362.5	246.8	16942.4	-53405.7	-687634.0
	-24155.8	-11362.5	248.2	17364.1	-53692.2	-687642.2
Asta	150	nod	105	55		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-9673.6	25359.7	189.8	-13959.1	36527.9	-1495175.4
	-9674.6	25358.9	200.8	-15279.5	37736.0	-1495130.8
19.	-9673.6	24265.7	189.8	-13959.1	32968.3	-1029937.2
	-9674.6	24264.8	200.8	-15279.5	33971.2	-1029908.4
38.	-9673.6	23171.7	189.8	-13959.1	29408.7	-585212.0
	-9674.6	23170.8	200.8	-15279.5	30206.4	-585199.1
56.	-9673.6	22077.6	189.8	-13959.1	25849.1	-161000.0
	-9674.6	22076.8	200.8	-15279.5	26441.6	-161002.9
75.	-9673.6	20983.6	189.8	-13959.1	22289.5	242698.9
	-9674.6	20982.7	200.8	-15279.5	22676.8	242680.2
94.	-9673.6	19889.6	189.8	-13959.1	18729.9	625884.8
	-9674.6	19888.7	200.8	-15279.5	18912.0	625850.2
113.	-9673.6	18795.5	189.8	-13959.1	15170.3	988557.5
	-9674.6	18794.7	200.8	-15279.5	15147.2	988507.1
131.	-9673.6	17701.5	189.8	-13959.1	11610.7	1330717.1
	-9674.6	17700.7	200.8	-15279.5	11382.4	1330650.9
150.	-9673.6	16607.5	189.8	-13959.1	8051.1	1652363.7
	-9674.6	16606.6	200.8	-15279.5	7617.7	1652281.6
Asta	151	nod	27	29		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ

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0.	-8828.2	7309.9	129.9	4799.7	8325.4	-348686.0
	-8827.7	7308.5	141.0	5034.8	10319.4	-348424.4
44.	-8828.2	5348.3	129.9	4799.7	2676.0	-73369.3
	-8827.7	5347.0	141.0	5034.8	4183.8	-73168.1
87.	-8828.2	3386.8	129.9	4799.7	-2973.3	116620.0
	-8827.7	3385.4	141.0	5034.8	-1951.8	116760.8
131.	-8828.2	1425.2	129.9	4799.7	-8622.7	221281.9
	-8827.7	1423.9	141.0	5034.8	-8087.4	221362.3
174.	-8828.2	-536.3	129.9	4799.7	-14272.0	240616.4
	-8827.7	-537.7	141.0	5034.8	-14223.0	240636.4
218.	-8828.2	-2497.9	129.9	4799.7	-19921.4	174623.4
	-8827.7	-2499.2	141.0	5034.8	-20358.6	174583.0
261.	-8828.2	-4459.4	129.9	4799.7	-25570.7	23303.1
	-8827.7	-4460.8	141.0	5034.8	-26494.2	23202.2
305.	-8828.2	-6421.0	129.9	4799.7	-31220.1	-213344.7
	-8827.7	-6422.3	141.0	5034.8	-32629.8	-213505.9
348.	-8828.2	-8382.5	129.9	4799.7	-36869.4	-535319.9
	-8827.7	-8383.9	141.0	5034.8	-38765.4	-535541.5
Asta	152	odi	47	27		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-13057.6	7512.4	383.7	26932.4	80857.8	-323544.0
	-13056.2	7511.3	383.1	27318.8	80956.5	-323329.9
45.	-13057.6	5488.9	383.7	26932.4	63638.4	-31827.3
	-13056.2	5487.8	383.1	27318.8	63763.6	-31662.3
90.	-13057.6	3465.3	383.7	26932.4	46419.0	169082.5
	-13056.2	3464.2	383.1	27318.8	46570.7	169198.4
135.	-13057.6	1441.8	383.7	26932.4	29199.6	279185.4
	-13056.2	1440.7	383.1	27318.8	29377.9	279252.2
180.	-13057.6	-581.8	383.7	26932.4	11980.1	298481.3
	-13056.2	-582.9	383.1	27318.8	12185.0	298499.0
224.	-13057.6	-2605.3	383.7	26932.4	-5239.3	226970.3
	-13056.2	-2606.4	383.1	27318.8	-5007.9	226938.8
269.	-13057.6	-4628.9	383.7	26932.4	-22458.7	64652.3
	-13056.2	-4630.0	383.1	27318.8	-22200.8	64571.8
314.	-13057.6	-6652.4	383.7	26932.4	-39678.1	-188472.6
	-13056.2	-6653.5	383.1	27318.8	-39393.7	-188602.2
359.	-13057.6	-8676.0	383.7	26932.4	-56897.6	-532404.4
	-13056.2	-8677.1	383.1	27318.8	-56586.6	-532583.1
Asta	153	odi	106	47		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-4411.0	13213.7	-233.3	41433.0	22064.9	-702101.8
	-4410.4	13217.3	-223.7	40072.8	23053.0	-702348.9
19.	-4411.0	12368.2	-233.3	41433.0	26440.0	-462271.3
	-4410.4	12371.8	-223.7	40072.8	27247.0	-462450.3
38.	-4411.0	11522.7	-233.3	41433.0	30815.2	-238293.9
	-4410.4	11526.3	-223.7	40072.8	31441.0	-238404.9
56.	-4411.0	10677.2	-233.3	41433.0	35190.4	-30169.6
	-4410.4	10680.8	-223.7	40072.8	35635.1	-30212.5
75.	-4411.0	9831.7	-233.3	41433.0	39565.5	162101.8
	-4410.4	9835.4	-223.7	40072.8	39829.1	162126.9
94.	-4411.0	8986.2	-233.3	41433.0	43940.7	338520.1
	-4410.4	8989.9	-223.7	40072.8	44023.2	338613.3
113.	-4411.0	8140.7	-233.3	41433.0	48315.9	499085.3
	-4410.4	8144.4	-223.7	40072.8	48217.2	499246.6
131.	-4411.0	7295.2	-233.3	41433.0	52691.0	643797.5
	-4410.4	7298.9	-223.7	40072.8	52411.3	644026.8
150.	-4411.0	6449.7	-233.3	41433.0	57066.2	772656.7
	-4410.4	6453.4	-223.7	40072.8	56605.3	772954.0
Asta	154	odi	53	104		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2622.1	9412.4	2.6	-18275.1	16452.0	-567753.8
	-2626.1	9411.6	11.8	-18187.7	17824.9	-567602.3
56.	-2622.1	6898.4	2.6	-18275.1	16304.7	-113090.8
	-2626.1	6897.7	11.8	-18187.7	17169.5	-112981.8
112.	-2622.1	4384.5	2.6	-18275.1	16157.3	201419.9
	-2626.1	4383.7	11.8	-18187.7	16514.1	201486.5
167.	-2622.1	1870.5	2.6	-18275.1	16010.0	375778.5
	-2626.1	1869.8	11.8	-18187.7	15858.7	375802.6
223.	-2622.1	-643.4	2.6	-18275.1	15862.7	409984.9
	-2626.1	-644.2	11.8	-18187.7	15203.3	409966.6
279.	-2622.1	-3157.3	2.6	-18275.1	15715.4	304039.2
	-2626.1	-3158.1	11.8	-18187.7	14547.9	303978.3
335.	-2622.1	-5671.3	2.6	-18275.1	15568.0	57941.2
	-2626.1	-5672.0	11.8	-18187.7	13892.5	57837.9
390.	-2622.1	-8185.2	2.6	-18275.1	15420.7	-328308.9
	-2626.1	-8186.0	11.8	-18187.7	13237.1	-328454.6
446.	-2622.1	-10699.2	2.6	-18275.1	15273.4	-854711.1
	-2626.1	-10699.9	11.8	-18187.7	12581.7	-854899.4
Asta	156	odi	31	53		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-5551.2	9995.3	-100.7	-21243.5	-21967.7	-737662.1
	-5558.2	9994.8	-95.7	-21353.2	-19802.3	-737565.7
55.	-5551.2	7515.2	-100.7	-21243.5	-16428.2	-256122.3
	-5558.2	7514.7	-95.7	-21353.2	-14540.3	-256054.3
110.	-5551.2	5035.1	-100.7	-21243.5	-10888.7	89010.9
	-5558.2	5034.6	-95.7	-21353.2	-9278.2	89050.5
165.	-5551.2	2555.0	-100.7	-21243.5	-5349.1	297737.5
	-5558.2	2554.5	-95.7	-21353.2	-4016.2	297748.6
220.	-5551.2	74.8	-100.7	-21243.5	190.4	370057.5
	-5558.2	74.3	-95.7	-21353.2	1245.8	370040.1

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275.	-5551.2	-2405.3	-100.7	-21243.5	5729.9	305970.8
	-5558.2	-2405.8	-95.7	-21353.2	6507.8	305925.0
330.	-5551.2	-4885.4	-100.7	-21243.5	11269.4	105477.5
	-5558.2	-4885.9	-95.7	-21353.2	11769.8	105403.2
385.	-5551.2	-7365.5	-100.7	-21243.5	16808.9	-231422.4
	-5558.2	-7366.0	-95.7	-21353.2	17031.8	-231525.1
440.	-5551.2	-9845.6	-100.7	-21243.5	22348.5	-704729.0
	-5558.2	-9846.2	-95.7	-21353.2	22293.8	-704860.1
Asta	157	nodì	14	12		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-199.5	6230.6	-35.6	24340.3	23644.0	-112067.6
	-208.2	6229.5	-4.8	24354.2	26985.6	-111915.2
34.	-199.5	4232.2	-35.6	24340.3	24861.9	67108.4
	-208.2	4231.0	-4.8	24354.2	27151.7	67221.1
69.	-199.5	2233.8	-35.6	24340.3	26079.8	177838.1
	-208.2	2232.6	-4.8	24354.2	27317.7	177911.2
103.	-199.5	235.3	-35.6	24340.3	27297.7	220121.5
	-208.2	234.2	-4.8	24354.2	27483.8	220154.9
137.	-199.5	-1763.1	-35.6	24340.3	28515.7	193958.7
	-208.2	-1764.3	-4.8	24354.2	27649.8	193952.4
171.	-199.5	-3761.5	-35.6	24340.3	29733.6	99349.6
	-208.2	-3762.7	-4.8	24354.2	27815.9	99303.6
206.	-199.5	-5760.0	-35.6	24340.3	30951.5	-63705.8
	-208.2	-5761.1	-4.8	24354.2	27981.9	-63791.5
240.	-199.5	-7758.4	-35.6	24340.3	32169.4	-295207.5
	-208.2	-7759.5	-4.8	24354.2	28148.0	-295332.8
274.	-199.5	-9756.8	-35.6	24340.3	33387.3	-595155.5
	-208.2	-9758.0	-4.8	24354.2	28314.0	-595320.5
Asta	158	nodì	16	14		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-576.7	7306.5	-24.3	1211.8	15398.1	-270989.6
	-583.8	7305.6	-7.3	917.7	22260.9	-270862.0
34.	-576.7	5344.6	-24.3	1211.8	16215.9	-58292.6
	-583.8	5343.6	-7.3	917.7	22507.8	-58196.3
67.	-576.7	3382.6	-24.3	1211.8	17033.7	88433.4
	-583.8	3381.7	-7.3	917.7	22754.6	88498.3
101.	-576.7	1420.7	-24.3	1211.8	17851.4	169188.4
	-583.8	1419.7	-7.3	917.7	23001.5	169221.9
135.	-576.7	-541.3	-24.3	1211.8	18669.2	183972.3
	-583.8	-542.2	-7.3	917.7	23248.4	183974.5
168.	-576.7	-2503.3	-24.3	1211.8	19487.0	132785.2
	-583.8	-2504.2	-7.3	917.7	23495.3	132756.1
202.	-576.7	-4465.2	-24.3	1211.8	20304.7	15627.1
	-583.8	-4466.2	-7.3	917.7	23742.2	15566.6
235.	-576.7	-6427.2	-24.3	1211.8	21122.5	-167502.1
	-583.8	-6428.1	-7.3	917.7	23989.1	-167593.9
269.	-576.7	-8389.2	-24.3	1211.8	21940.3	-416602.3
	-583.8	-8390.1	-7.3	917.7	24236.0	-416725.4
Asta	159	nodì	18	16		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-770.2	9757.8	-8.7	-3802.7	12131.1	-539680.3
	-775.7	9757.1	-22.5	-4029.7	14101.2	-539568.8
41.	-770.2	7369.1	-8.7	-3802.7	12487.0	-189114.2
	-775.7	7368.5	-22.5	-4029.7	15023.0	-189030.3
82.	-770.2	4980.5	-8.7	-3802.7	12842.9	63667.2
	-775.7	4979.8	-22.5	-4029.7	15944.9	63723.4
123.	-770.2	2591.9	-8.7	-3802.7	13198.9	218663.7
	-775.7	2591.2	-22.5	-4029.7	16866.7	218692.4
164.	-770.2	203.2	-8.7	-3802.7	13554.8	275875.5
	-775.7	202.5	-22.5	-4029.7	17788.6	275876.5
205.	-770.2	-2185.4	-8.7	-3802.7	13910.7	235302.4
	-775.7	-2186.1	-22.5	-4029.7	18710.5	235275.8
246.	-770.2	-4574.1	-8.7	-3802.7	14266.6	96944.6
	-775.7	-4574.7	-22.5	-4029.7	19632.3	96890.4
287.	-770.2	-6962.7	-8.7	-3802.7	14622.6	-139198.1
	-775.7	-6963.4	-22.5	-4029.7	20554.2	-139279.9
328.	-770.2	-9351.3	-8.7	-3802.7	14978.5	-473125.5
	-775.7	-9352.0	-22.5	-4029.7	21476.0	-473234.9
Asta	160	nodì	20	18		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1470.6	10463.2	8.5	-5723.0	14591.8	-670356.2
	-1474.6	10462.6	-18.0	-5690.6	9025.6	-670248.6
41.	-1470.6	8078.2	8.5	-5723.0	14245.5	-291415.5
	-1474.6	8077.6	-18.0	-5690.6	9759.6	-291334.8
82.	-1470.6	5693.2	8.5	-5723.0	13899.2	-9961.3
	-1474.6	5692.6	-18.0	-5690.6	10493.6	-9907.5
123.	-1470.6	3308.2	8.5	-5723.0	13552.9	174006.5
	-1474.6	3307.6	-18.0	-5690.6	11227.6	174033.4
164.	-1470.6	923.3	8.5	-5723.0	13206.6	260487.8
	-1474.6	922.6	-18.0	-5690.6	11961.5	260487.8
204.	-1470.6	-1461.7	8.5	-5723.0	12860.3	249482.7
	-1474.6	-1462.4	-18.0	-5690.6	12695.5	249455.8
245.	-1470.6	-3846.7	8.5	-5723.0	12514.0	140991.2
	-1474.6	-3847.4	-18.0	-5690.6	13429.5	140937.4
286.	-1470.6	-6231.7	8.5	-5723.0	12167.8	-64986.8
	-1474.6	-6232.4	-18.0	-5690.6	14163.5	-65067.5
327.	-1470.6	-8616.7	8.5	-5723.0	11821.5	-368451.3
	-1474.6	-8617.4	-18.0	-5690.6	14897.5	-368558.8
Asta	161	nodì	22	20		

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PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2084.1	9943.5	-25.2	-6314.4	7347.7	-593300.1
	-2086.7	9942.9	-28.5	-5930.9	2155.9	-593197.3
41.	-2084.1	7551.3	-25.2	-6314.4	8382.9	-234656.4
	-2086.7	7550.6	-28.5	-5930.9	3325.0	-234579.0
82.	-2084.1	5159.0	-25.2	-6314.4	9418.1	25903.7
	-2086.7	5158.4	-28.5	-5930.9	4494.1	25955.7
123.	-2084.1	2766.7	-25.2	-6314.4	10453.3	188380.2
	-2086.7	2766.1	-28.5	-5930.9	5663.2	188406.8
164.	-2084.1	374.4	-25.2	-6314.4	11488.6	252773.2
	-2086.7	373.8	-28.5	-5930.9	6832.4	252774.3
205.	-2084.1	-2017.9	-25.2	-6314.4	12523.8	219082.5
	-2086.7	-2018.5	-28.5	-5930.9	8001.5	219058.1
246.	-2084.1	-4410.1	-25.2	-6314.4	13559.0	87308.2
	-2086.7	-4410.8	-28.5	-5930.9	9170.6	87258.4
287.	-2084.1	-6802.4	-25.2	-6314.4	14594.3	-142549.7
	-2086.7	-6803.1	-28.5	-5930.9	10339.7	-142624.9
328.	-2084.1	-9194.7	-25.2	-6314.4	15629.5	-470491.2
	-2086.7	-9195.3	-28.5	-5930.9	11508.9	-470591.8

Asta	162	nod	24	22		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2322.0	9279.2	-110.7	-4229.3	-23044.7	-483271.2
	-2323.1	9278.7	-92.3	-3981.8	-21958.9	-483173.9
41.	-2322.0	6897.9	-110.7	-4229.3	-18526.9	-153157.0
	-2323.1	6897.3	-92.3	-3981.8	-18191.1	-153082.9
82.	-2322.0	4516.5	-110.7	-4229.3	-14009.0	79768.6
	-2323.1	4516.0	-92.3	-3981.8	-14423.3	79819.5
122.	-2322.0	2135.2	-110.7	-4229.3	-9491.1	215505.7
	-2323.1	2134.6	-92.3	-3981.8	-10655.5	215533.4
163.	-2322.0	-246.1	-110.7	-4229.3	-4973.2	254054.2
	-2323.1	-246.7	-92.3	-3981.8	-6887.7	254058.7
204.	-2322.0	-2627.5	-110.7	-4229.3	-455.4	195414.2
	-2323.1	-2628.1	-92.3	-3981.8	-3119.9	195395.5
245.	-2322.0	-5008.8	-110.7	-4229.3	4062.5	39585.7
	-2323.1	-5009.4	-92.3	-3981.8	648.0	39543.8
286.	-2322.0	-7390.2	-110.7	-4229.3	8580.4	-213431.4
	-2323.1	-7390.7	-92.3	-3981.8	4415.8	-213496.5
327.	-2322.0	-9771.5	-110.7	-4229.3	13098.2	-563637.1
	-2323.1	-9772.1	-92.3	-3981.8	8183.6	-563725.4

Asta	163	nod	26	24		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2154.2	9435.7	-319.1	64.8	-118024.8	-486471.5
	-2153.8	9435.5	-305.5	-229.2	-113555.9	-486442.8
41.	-2154.2	7036.1	-319.1	64.8	-104901.0	-147771.2
	-2153.8	7035.9	-305.5	-229.2	-100990.6	-147750.4
82.	-2154.2	4636.5	-319.1	64.8	-91777.3	92246.5
	-2153.8	4636.3	-305.5	-229.2	-88425.4	92259.4
123.	-2154.2	2236.9	-319.1	64.8	-78653.5	233581.5
	-2153.8	2236.7	-305.5	-229.2	-75860.1	233586.6
165.	-2154.2	-162.6	-319.1	64.8	-65529.7	276234.0
	-2153.8	-162.8	-305.5	-229.2	-63294.9	276231.2
206.	-2154.2	-2562.2	-319.1	64.8	-52406.0	220204.0
	-2153.8	-2562.4	-305.5	-229.2	-50729.7	220193.3
247.	-2154.2	-4961.8	-319.1	64.8	-39282.2	65491.3
	-2153.8	-4962.0	-305.5	-229.2	-38164.4	65472.8
288.	-2154.2	-7361.4	-319.1	64.8	-26158.4	-187904.0
	-2153.8	-7361.6	-305.5	-229.2	-25599.2	-187930.4
329.	-2154.2	-9761.0	-319.1	64.8	-13034.7	-539981.8
	-2153.8	-9761.1	-305.5	-229.2	-13033.9	-540016.1

Asta	164	nod	56	26		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2396.1	12863.4	650.5	-15470.6	92149.4	-1127647.0
	-2402.8	12862.6	648.9	-16010.5	93272.2	-1127516.0
45.	-2396.1	10245.0	650.5	-15470.6	62960.1	-609153.3
	-2402.8	10244.2	648.9	-16010.5	64152.8	-609055.6
90.	-2396.1	7626.6	650.5	-15470.6	33770.9	-208159.6
	-2402.8	7625.9	648.9	-16010.5	35033.4	-208095.2
135.	-2396.1	5008.2	650.5	-15470.6	4581.6	75334.3
	-2402.8	5007.5	648.9	-16010.5	5914.0	75365.3
180.	-2396.1	2389.8	650.5	-15470.6	-24607.7	241328.1
	-2402.8	2389.1	648.9	-16010.5	-23205.4	241325.8
224.	-2396.1	-228.5	650.5	-15470.6	-53796.9	289822.1
	-2402.8	-229.3	648.9	-16010.5	-52324.8	289786.4
269.	-2396.1	-2846.9	650.5	-15470.6	-82986.2	220816.1
	-2402.8	-2847.7	648.9	-16010.5	-81444.2	220747.1
314.	-2396.1	-5465.3	650.5	-15470.6	-112175.5	34310.2
	-2402.8	-5466.1	648.9	-16010.5	-110563.6	34207.9
359.	-2396.1	-8083.7	650.5	-15470.6	-141364.8	-269695.7
	-2402.8	-8084.4	648.9	-16010.5	-139683.0	-269831.3

Asta	165	nod	111	56		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	203.2	-7116.0	-207.5	-107183.5	26868.6	198404.8
	198.2	-7117.2	-214.2	-106584.8	26417.3	198405.2
19.	203.2	-8210.0	-207.5	-107183.5	30759.8	54723.2
	198.2	-8211.2	-214.2	-106584.8	30433.4	54701.7
38.	203.2	-9304.1	-207.5	-107183.5	34651.0	-109471.4
	198.2	-9305.2	-214.2	-106584.8	34449.5	-109514.8
56.	203.2	-10398.1	-207.5	-107183.5	38542.2	-294179.2
	198.2	-10399.3	-214.2	-106584.8	38465.6	-294244.4
75.	203.2	-11492.1	-207.5	-107183.5	42433.4	-499400.0

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94.	198.2	-11493.3	-214.2	-106584.8	42481.8	-499487.2
	203.2	-12586.2	-207.5	-107183.5	46324.6	-725134.0
113.	198.2	-12587.3	-214.2	-106584.8	46497.9	-725243.0
	203.2	-13680.2	-207.5	-107183.5	50215.8	-971381.0
131.	198.2	-13681.4	-214.2	-106584.8	50514.0	-971511.9
	203.2	-14774.2	-207.5	-107183.5	54107.0	-1238141.1
150.	198.2	-14775.4	-214.2	-106584.8	54530.1	-1238293.9
	203.2	-15868.3	-207.5	-107183.5	57998.1	-1525414.4
	198.2	-15869.4	-214.2	-106584.8	58546.2	-1525589.0
Asta	166	nodì	28	30		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1803.7	7804.8	387.6	-26089.2	77236.3	-430075.6
	-1808.1	7804.0	398.7	-26294.8	80320.6	-429954.9
44.	-1803.7	5843.2	387.6	-26089.2	60374.4	-133232.3
	-1808.1	5842.5	398.7	-26294.8	62978.0	-133142.8
87.	-1803.7	3881.7	387.6	-26089.2	43512.6	78283.6
	-1808.1	3880.9	398.7	-26294.8	45635.5	78341.8
131.	-1803.7	1920.1	387.6	-26089.2	26650.7	204472.0
	-1808.1	1919.4	398.7	-26294.8	28293.0	204499.1
174.	-1803.7	-41.4	387.6	-26089.2	9788.8	245333.1
	-1808.1	-42.2	398.7	-26294.8	10950.4	245328.9
218.	-1803.7	-2003.0	387.6	-26089.2	-7073.0	200866.7
	-1808.1	-2003.7	398.7	-26294.8	-6392.1	200831.2
261.	-1803.7	-3964.5	387.6	-26089.2	-23934.9	71072.9
	-1808.1	-3965.3	398.7	-26294.8	-23734.7	71006.2
305.	-1803.7	-5926.1	387.6	-26089.2	-40796.8	-144048.3
	-1808.1	-5926.8	398.7	-26294.8	-41077.2	-144146.2
348.	-1803.7	-7887.6	387.6	-26089.2	-57658.6	-444497.0
	-1808.1	-7888.4	398.7	-26294.8	-58419.7	-444626.1
Asta	167	nodì	48	28		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1734.2	9647.5	-215.7	21438.6	-36929.7	-815056.7
	-1731.2	9647.6	-219.7	21027.2	-37024.9	-815082.9
45.	-1734.2	7623.9	-215.7	21438.6	-27248.6	-427530.2
	-1731.2	7624.1	-219.7	21027.2	-27167.4	-427549.5
90.	-1734.2	5600.4	-215.7	21438.6	-17567.4	-130810.7
	-1731.2	5600.5	-219.7	21027.2	-17309.8	-130823.0
135.	-1734.2	3576.8	-215.7	21438.6	-7886.3	75101.9
	-1731.2	3577.0	-219.7	21027.2	-7452.3	75096.6
180.	-1734.2	1553.3	-215.7	21438.6	1794.8	190207.6
	-1731.2	1553.4	-219.7	21027.2	2405.2	190209.3
224.	-1734.2	-470.3	-215.7	21438.6	11476.0	214506.3
	-1731.2	-470.1	-219.7	21027.2	12262.8	214515.0
269.	-1734.2	-2493.9	-215.7	21438.6	21157.1	147998.1
	-1731.2	-2493.7	-219.7	21027.2	22120.3	148013.8
314.	-1734.2	-4517.4	-215.7	21438.6	30838.2	-9317.0
	-1731.2	-4517.3	-219.7	21027.2	31977.9	-9294.4
359.	-1734.2	-6541.0	-215.7	21438.6	40519.4	-257439.1
	-1731.2	-6540.8	-219.7	21027.2	41835.4	-257409.4
Asta	168	nodì	112	48		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-58.3	-5088.0	839.7	-160782.7	71320.5	115411.1
	-54.8	-5088.8	841.6	-159989.1	71088.0	115410.3
19.	-58.3	-5933.5	839.7	-160782.7	55576.1	12084.5
	-54.8	-5934.3	841.6	-159989.1	55308.8	12068.8
38.	-58.3	-6779.0	839.7	-160782.7	39831.8	-107095.1
	-54.8	-6779.8	841.6	-159989.1	39529.5	-107125.8
56.	-58.3	-7624.5	839.7	-160782.7	24087.4	-242127.8
	-54.8	-7625.3	841.6	-159989.1	23750.3	-242173.4
75.	-58.3	-8470.0	839.7	-160782.7	8343.1	-393013.5
	-54.8	-8470.8	841.6	-159989.1	7971.0	-393074.0
94.	-58.3	-9315.5	839.7	-160782.7	-7401.3	-559752.3
	-54.8	-9316.3	841.6	-159989.1	-7808.2	-559827.7
113.	-58.3	-10161.0	839.7	-160782.7	-23145.6	-742344.1
	-54.8	-10161.8	841.6	-159989.1	-23587.5	-742434.4
131.	-58.3	-11006.5	839.7	-160782.7	-38890.0	-940789.0
	-54.8	-11007.3	841.6	-159989.1	-39366.7	-940894.2
150.	-58.3	-11852.0	839.7	-160782.7	-54634.3	-1155086.9
	-54.8	-11852.8	841.6	-159989.1	-55146.0	-1155207.0
Asta	169	nodì	54	110		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-365.6	9682.2	-112.4	-17393.2	25790.6	-639308.6
	-360.3	9682.3	-104.2	-17709.4	27096.4	-639330.9
56.	-365.6	7168.2	-112.4	-17393.2	32057.7	-169604.5
	-360.3	7168.3	-104.2	-17709.4	32908.3	-169620.3
112.	-365.6	4654.3	-112.4	-17393.2	38324.7	159947.4
	-360.3	4654.4	-104.2	-17709.4	38720.2	159938.1
167.	-365.6	2140.3	-112.4	-17393.2	44591.8	349347.2
	-360.3	2140.5	-104.2	-17709.4	44532.1	349344.3
223.	-365.6	-373.6	-112.4	-17393.2	50858.8	398594.8
	-360.3	-373.5	-104.2	-17709.4	50344.0	398598.3
279.	-365.6	-2887.5	-112.4	-17393.2	57125.8	307690.3
	-360.3	-2887.4	-104.2	-17709.4	56155.9	307700.1
335.	-365.6	-5401.5	-112.4	-17393.2	63392.9	76633.5
	-360.3	-5401.4	-104.2	-17709.4	61967.8	76649.8
390.	-365.6	-7915.4	-112.4	-17393.2	69659.9	-294575.4
	-360.3	-7915.3	-104.2	-17709.4	67779.7	-294552.7
446.	-365.6	-10429.4	-112.4	-17393.2	75926.9	-805936.4
	-360.3	-10429.3	-104.2	-17709.4	73591.6	-805907.3

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Asta	170	nod	32	54		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-349.9	10208.7	-181.9	-6412.2	-54510.7	-766856.1
	-345.8	10208.5	-180.8	-6704.9	-53149.8	-766807.8
55.	-349.9	7728.6	-181.9	-6412.2	-44504.0	-273579.2
	-345.8	7728.4	-180.8	-6704.9	-43203.8	-273542.6
110.	-349.9	5248.5	-181.9	-6412.2	-34497.3	83291.1
	-345.8	5248.3	-180.8	-6704.9	-33257.8	83315.9
165.	-349.9	2768.4	-181.9	-6412.2	-24490.6	303754.7
	-345.8	2768.2	-180.8	-6704.9	-23311.8	303767.9
220.	-349.9	288.2	-181.9	-6412.2	-14483.9	387811.7
	-345.8	288.0	-180.8	-6704.9	-13365.8	387813.2
275.	-349.9	-2191.9	-181.9	-6412.2	-4477.2	335462.1
	-345.8	-2192.1	-180.8	-6704.9	-3419.8	335451.9
330.	-349.9	-4672.0	-181.9	-6412.2	5529.6	146705.8
	-345.8	-4672.2	-180.8	-6704.9	6526.2	146683.9
385.	-349.9	-7152.1	-181.9	-6412.2	15536.3	-178457.0
	-345.8	-7152.3	-180.8	-6704.9	16472.2	-178490.6
440.	-349.9	-9632.2	-181.9	-6412.2	25543.0	-640026.6
	-345.8	-9632.4	-180.8	-6704.9	26418.2	-640071.8

Asta	171	nod	71	70		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	591.7	7222.2	-57.7	-7036.7	34696.6	-198365.3
	593.0	7221.0	-43.5	-7713.9	37559.0	-198210.2
34.	591.7	5126.5	-57.7	-7036.7	36672.9	13106.9
	593.0	5125.4	-43.5	-7713.9	39047.8	13221.6
69.	591.7	3030.9	-57.7	-7036.7	38649.2	152802.8
	593.0	3029.7	-43.5	-7713.9	40536.6	152877.2
103.	591.7	935.2	-57.7	-7036.7	40625.4	220722.4
	593.0	934.0	-43.5	-7713.9	42025.4	220756.4
137.	591.7	-1160.4	-57.7	-7036.7	42601.7	216865.7
	593.0	-1161.6	-43.5	-7713.9	43514.2	216859.4
171.	591.7	-3256.1	-57.7	-7036.7	44577.9	141232.7
	593.0	-3257.3	-43.5	-7713.9	45003.0	141186.0
206.	591.7	-5351.8	-57.7	-7036.7	46554.2	-6176.7
	593.0	-5352.9	-43.5	-7713.9	46491.8	-6263.7
240.	591.7	-7447.4	-57.7	-7036.7	48530.4	-225362.3
	593.0	-7448.6	-43.5	-7713.9	47980.6	-225489.7
274.	591.7	-9543.1	-57.7	-7036.7	50506.7	-516324.3
	593.0	-9544.2	-43.5	-7713.9	49469.4	-516492.0

Asta	172	nod	72	71		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	446.5	8210.8	-20.5	-3672.9	26689.4	-368482.8
	446.1	8209.8	-20.7	-4257.1	29622.9	-368352.1
34.	446.5	6153.4	-20.5	-3672.9	27380.2	-126985.8
	446.1	6152.4	-20.7	-4257.1	30318.9	-126887.3
67.	446.5	4095.9	-20.5	-3672.9	28070.9	45330.5
	446.1	4095.0	-20.7	-4257.1	31014.9	45396.8
101.	446.5	2038.5	-20.5	-3672.9	28761.7	148466.2
	446.1	2037.6	-20.7	-4257.1	31710.9	148500.3
135.	446.5	-18.9	-20.5	-3672.9	29452.4	182421.3
	446.1	-19.8	-20.7	-4257.1	32406.9	182423.2
168.	446.5	-2076.3	-20.5	-3672.9	30143.2	147195.7
	446.1	-2077.3	-20.7	-4257.1	33102.9	147165.4
202.	446.5	-4133.7	-20.5	-3672.9	30833.9	42789.5
	446.1	-4134.7	-20.7	-4257.1	33798.9	42727.0
235.	446.5	-6191.1	-20.5	-3672.9	31524.7	-130797.4
	446.1	-6192.1	-20.7	-4257.1	34494.9	-130892.0
269.	446.5	-8248.6	-20.5	-3672.9	32215.4	-373564.9
	446.1	-8249.5	-20.7	-4257.1	35190.9	-373691.7

Asta	173	nod	73	72		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-442.3	10438.3	-12.9	-3219.1	22880.7	-582447.3
	-444.3	10437.6	-31.4	-3189.0	19933.2	-582336.9
41.	-442.3	7933.5	-12.9	-3219.1	23409.3	-206400.3
	-444.3	7932.8	-31.4	-3189.0	21217.8	-206317.4
82.	-442.3	5428.6	-12.9	-3219.1	23937.8	67104.5
	-444.3	5427.9	-31.4	-3189.0	22502.4	67159.8
123.	-442.3	2923.8	-12.9	-3219.1	24466.3	238067.1
	-444.3	2923.1	-31.4	-3189.0	23787.0	238094.9
164.	-442.3	418.9	-12.9	-3219.1	24994.9	306487.5
	-444.3	418.2	-31.4	-3189.0	25071.6	306487.8
205.	-442.3	-2085.9	-12.9	-3219.1	25523.4	272365.8
	-444.3	-2086.6	-31.4	-3189.0	26356.2	272338.5
246.	-442.3	-4590.8	-12.9	-3219.1	26051.9	135701.8
	-444.3	-4591.5	-31.4	-3189.0	27640.8	135647.0
287.	-442.3	-7095.6	-12.9	-3219.1	26580.5	-103504.3
	-444.3	-7096.3	-31.4	-3189.0	28925.4	-103586.7
328.	-442.3	-9600.5	-12.9	-3219.1	27109.0	-445252.7
	-444.3	-9601.1	-31.4	-3189.0	30210.1	-445362.6

Asta	174	nod	74	73		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-942.3	6130.7	-68.6	-6520.2	5843.2	-423985.8
	-945.8	6130.0	-71.4	-5256.9	1367.8	-423867.4
41.	-942.3	4806.9	-68.6	-6520.2	8648.7	-200449.4
	-945.8	4806.2	-71.4	-5256.9	4284.5	-200359.7
82.	-942.3	3483.0	-68.6	-6520.2	11454.1	-31024.2
	-945.8	3482.3	-71.4	-5256.9	7201.3	-30963.3
123.	-942.3	2159.2	-68.6	-6520.2	14259.5	84289.6
	-945.8	2158.5	-71.4	-5256.9	10118.0	84321.8

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164.	-942.3	835.4	-68.6	-6520.2	17064.9	145492.2
	-945.8	834.7	-71.4	-5256.9	13034.7	145495.6
204.	-942.3	-488.4	-68.6	-6520.2	19870.3	152583.5
	-945.8	-489.1	-71.4	-5256.9	15951.4	152558.2
245.	-942.3	-1812.2	-68.6	-6520.2	22675.7	105563.5
	-945.8	-1813.0	-71.4	-5256.9	18868.1	105509.5
286.	-942.3	-3136.1	-68.6	-6520.2	25481.1	4432.2
	-945.8	-3136.8	-71.4	-5256.9	21784.9	4349.5
327.	-942.3	-4459.9	-68.6	-6520.2	28286.6	-150810.3
	-945.8	-4460.6	-71.4	-5256.9	24701.6	-150921.8
Asta	175	75	74			
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	47.3	5655.9	-91.6	-3696.4	-18225.9	-361847.4
	42.3	5655.2	-73.9	-2722.3	-17892.0	-361724.4
41.	47.3	4328.0	-91.6	-3696.4	-14470.7	-157176.1
	42.3	4327.3	-73.9	-2722.3	-14861.0	-157083.5
82.	47.3	3000.2	-91.6	-3696.4	-10715.4	-6947.6
	42.3	2999.4	-73.9	-2722.3	-11829.9	-6885.2
123.	47.3	1672.3	-91.6	-3696.4	-6960.2	88838.1
	42.3	1671.6	-73.9	-2722.3	-8798.9	88870.2
164.	47.3	344.4	-91.6	-3696.4	-3205.0	130181.1
	42.3	343.7	-73.9	-2722.3	-5767.8	130183.0
205.	47.3	-983.4	-91.6	-3696.4	550.2	117081.4
	42.3	-984.2	-73.9	-2722.3	-2736.8	117053.0
246.	47.3	-2311.3	-91.6	-3696.4	4305.5	49539.0
	42.3	-2312.1	-73.9	-2722.3	294.3	49480.2
287.	47.3	-3639.2	-91.6	-3696.4	8060.7	-72446.3
	42.3	-3639.9	-73.9	-2722.3	3325.3	-72535.2
328.	47.3	-4967.1	-91.6	-3696.4	11815.9	-248874.2
	42.3	-4967.8	-73.9	-2722.3	6356.4	-248993.5
Asta	176	76	75			
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	343.2	5184.2	-91.8	837.3	-45216.4	-281861.6
	336.8	5183.5	-68.7	745.3	-37921.4	-281758.3
41.	343.2	3862.4	-91.8	837.3	-41471.6	-97255.8
	336.8	3861.7	-68.7	745.3	-35116.3	-97178.2
82.	343.2	2540.6	-91.8	837.3	-37726.8	33404.1
	336.8	2539.9	-68.7	745.3	-32311.1	33456.1
122.	343.2	1218.8	-91.8	837.3	-33982.0	110118.0
	336.8	1218.1	-68.7	745.3	-29506.0	110144.4
163.	343.2	-103.0	-91.8	837.3	-30237.3	132886.1
	336.8	-103.7	-68.7	745.3	-26700.8	132886.8
204.	343.2	-1424.8	-91.8	837.3	-26492.5	101708.2
	336.8	-1425.5	-68.7	745.3	-23895.7	101683.2
245.	343.2	-2746.6	-91.8	837.3	-22747.7	16584.4
	336.8	-2747.3	-68.7	745.3	-21090.5	16533.7
286.	343.2	-4068.4	-91.8	837.3	-19002.9	-122485.4
	336.8	-4069.1	-68.7	745.3	-18285.4	-122561.7
327.	343.2	-5390.2	-91.8	837.3	-15258.1	-315501.0
	336.8	-5390.9	-68.7	745.3	-15480.2	-315603.0
Asta	177	77	76			
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	1281.3	10123.0	-3.7	2086.8	-43692.8	-545399.0
	1273.4	10122.7	-11.1	860.2	-39805.9	-545354.1
41.	1281.3	7606.7	-3.7	2086.8	-43540.6	-180833.0
	1273.4	7606.4	-11.1	860.2	-39349.7	-180799.1
82.	1281.3	5090.3	-3.7	2086.8	-43388.3	80249.3
	1273.4	5090.1	-11.1	860.2	-38893.5	80272.3
123.	1281.3	2574.0	-3.7	2086.8	-43236.1	237848.0
	1273.4	2573.8	-11.1	860.2	-38437.2	237859.9
165.	1281.3	57.7	-3.7	2086.8	-43083.9	291963.0
	1273.4	57.4	-11.1	860.2	-37981.0	291963.9
206.	1281.3	-2458.6	-3.7	2086.8	-42931.7	242594.3
	1273.4	-2458.9	-11.1	860.2	-37524.8	242584.3
247.	1281.3	-4974.9	-3.7	2086.8	-42779.5	89741.9
	1273.4	-4975.2	-11.1	860.2	-37068.5	89721.0
288.	1281.3	-7491.3	-3.7	2086.8	-42627.3	-166594.1
	1273.4	-7491.5	-11.1	860.2	-36612.3	-166626.0
329.	1281.3	-10007.6	-3.7	2086.8	-42475.1	-526413.7
	1273.4	-10007.8	-11.1	860.2	-36156.1	-526456.6
Asta	178	92	77			
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	1988.0	12007.6	86.5	-2101.5	-10442.8	-822265.4
	1978.6	12007.0	63.4	-3165.3	-14806.4	-822163.6
45.	1988.0	9261.9	86.5	-2101.5	-14323.4	-345031.4
	1978.6	9261.2	63.4	-3165.3	-17652.7	-344958.7
90.	1988.0	6516.1	86.5	-2101.5	-18204.0	8986.1
	1978.6	6515.4	63.4	-3165.3	-20498.9	9029.7
135.	1988.0	3770.3	86.5	-2101.5	-22084.6	239787.1
	1978.6	3769.7	63.4	-3165.3	-23345.2	239801.6
180.	1988.0	1024.5	86.5	-2101.5	-25965.2	347371.6
	1978.6	1023.9	63.4	-3165.3	-26191.4	347357.0
224.	1988.0	-1721.2	86.5	-2101.5	-29845.8	331739.6
	1978.6	-1721.9	63.4	-3165.3	-29037.7	331695.9
269.	1988.0	-4467.0	86.5	-2101.5	-33726.4	192891.0
	1978.6	-4467.7	63.4	-3165.3	-31884.0	192818.3
314.	1988.0	-7212.8	86.5	-2101.5	-37607.0	-69174.0
	1978.6	-7213.4	63.4	-3165.3	-34730.2	-69275.9
359.	1988.0	-9958.5	86.5	-2101.5	-41487.6	-454455.6
	1978.6	-9959.2	63.4	-3165.3	-37576.5	-454586.5

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Asta	179	nod	108	92		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-37.1	-256.7	295.6	-8016.2	33353.9	61974.5
	-48.0	-258.7	299.4	-5927.1	28930.5	61958.8
19.	-37.1	-1404.0	295.6	-8016.2	27811.3	46405.2
	-48.0	-1405.9	299.4	-5927.1	23317.0	46353.1
38.	-37.1	-2551.3	295.6	-8016.2	22268.6	9324.8
	-48.0	-2553.2	299.4	-5927.1	17703.5	9236.4
56.	-37.1	-3698.5	295.6	-8016.2	16726.0	-49266.7
	-48.0	-3700.4	299.4	-5927.1	12090.0	-49391.4
75.	-37.1	-4845.8	295.6	-8016.2	11183.3	-129369.3
	-48.0	-4847.7	299.4	-5927.1	6476.6	-129530.2
94.	-37.1	-5993.0	295.6	-8016.2	5640.7	-230983.0
	-48.0	-5995.0	299.4	-5927.1	863.1	-231180.2
113.	-37.1	-7140.3	295.6	-8016.2	98.0	-354107.8
	-48.0	-7142.2	299.4	-5927.1	-4750.4	-354341.3
131.	-37.1	-8287.5	295.6	-8016.2	-5444.6	-498743.7
	-48.0	-8289.5	299.4	-5927.1	-10363.9	-499013.5
150.	-37.1	-9434.8	295.6	-8016.2	-10987.3	-664890.7
	-48.0	-9436.7	299.4	-5927.1	-15977.4	-665196.8

Asta	180	nod	78	79		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	239.9	4218.0	-86.0	8575.7	-43187.7	-228120.5
	250.3	4217.7	-91.4	7995.1	-41519.4	-228061.0
44.	239.9	3139.1	-86.0	8575.7	-39446.2	-68105.0
	250.3	3138.8	-91.4	7995.1	-37544.6	-68058.8
87.	239.9	2060.2	-86.0	8575.7	-35704.8	44979.2
	250.3	2059.9	-91.4	7995.1	-33569.8	45012.1
131.	239.9	981.3	-86.0	8575.7	-31963.4	111132.1
	250.3	981.0	-91.4	7995.1	-29595.1	111151.7
174.	239.9	-97.6	-86.0	8575.7	-28222.0	130353.7
	250.3	-97.9	-91.4	7995.1	-25620.3	130359.9
218.	239.9	-1176.4	-86.0	8575.7	-24480.6	102644.0
	250.3	-1176.8	-91.4	7995.1	-21645.5	102636.9
261.	239.9	-2255.3	-86.0	8575.7	-20739.2	28003.0
	250.3	-2255.6	-91.4	7995.1	-17670.7	27982.6
305.	239.9	-3334.2	-86.0	8575.7	-16997.8	-93569.4
	250.3	-3334.5	-91.4	7995.1	-13695.9	-93603.1
348.	239.9	-4413.1	-86.0	8575.7	-13256.3	-262073.0
	250.3	-4413.4	-91.4	7995.1	-9721.1	-262120.0

Asta	181	nod	88	78		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	838.1	5145.0	135.0	-664.4	-4564.2	-383061.9
	849.0	5145.9	123.2	-1021.7	-6527.4	-383267.2
45.	838.1	4032.0	135.0	-664.4	-10624.2	-177152.9
	849.0	4033.0	123.2	-1021.7	-12055.9	-177315.6
90.	838.1	2919.0	135.0	-664.4	-16684.2	-21189.0
	849.0	2920.0	123.2	-1021.7	-17584.4	-21309.2
135.	838.1	1806.0	135.0	-664.4	-22744.3	84829.7
	849.0	1807.0	123.2	-1021.7	-23113.0	84752.1
180.	838.1	693.1	135.0	-664.4	-28804.3	140903.4
	849.0	694.0	123.2	-1021.7	-28641.5	140868.3
224.	838.1	-419.9	135.0	-664.4	-34864.3	147031.9
	849.0	-419.0	123.2	-1021.7	-34170.0	147039.4
269.	838.1	-1532.9	135.0	-664.4	-40924.4	103215.3
	849.0	-1532.0	123.2	-1021.7	-39698.5	103265.3
314.	838.1	-2645.9	135.0	-664.4	-46984.4	9453.6
	849.0	-2644.9	123.2	-1021.7	-45227.0	9546.2
359.	838.1	-3758.9	135.0	-664.4	-53044.5	-134253.2
	849.0	-3757.9	123.2	-1021.7	-50755.6	-134118.1

Asta	182	nod	107	88		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	11.7	-1266.3	605.4	-86192.2	69542.9	51545.5
	22.0	-1269.3	591.5	-84270.6	66006.5	51615.5
19.	11.7	-1731.3	605.4	-86192.2	58191.3	23442.6
	22.0	-1734.3	591.5	-84270.6	54916.6	23457.2
38.	11.7	-2196.4	605.4	-86192.2	46839.7	-13379.7
	22.0	-2199.3	591.5	-84270.6	43826.6	-13420.5
56.	11.7	-2661.4	605.4	-86192.2	35488.0	-58921.3
	22.0	-2664.4	591.5	-84270.6	32736.7	-59017.7
75.	11.7	-3126.4	605.4	-86192.2	24136.4	-113182.4
	22.0	-3129.4	591.5	-84270.6	21646.8	-113334.2
94.	11.7	-3591.5	605.4	-86192.2	12784.8	-176162.9
	22.0	-3594.4	591.5	-84270.6	10556.9	-176370.2
113.	11.7	-4056.5	605.4	-86192.2	1433.2	-247862.8
	22.0	-4059.5	591.5	-84270.6	-533.0	-248125.5
131.	11.7	-4521.5	605.4	-86192.2	-9918.5	-328282.1
	22.0	-4524.5	591.5	-84270.6	-11622.9	-328600.2
150.	11.7	-4986.6	605.4	-86192.2	-21270.1	-417420.8
	22.0	-4989.5	591.5	-84270.6	-22712.8	-417794.4

Asta	183	nod	91	109		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2864.2	5282.9	-386.0	-15684.9	17520.5	-319963.0
	-2868.1	5283.3	-390.3	-16164.5	17048.5	-320040.1
56.	-2864.2	3900.2	-386.0	-15684.9	39037.7	-63983.5
	-2868.1	3900.6	-390.3	-16164.5	38809.2	-64040.6
112.	-2864.2	2517.5	-386.0	-15684.9	60554.9	114910.3
	-2868.1	2517.9	-390.3	-16164.5	60569.9	114873.2
167.	-2864.2	1134.8	-386.0	-15684.9	82072.1	216718.3

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223.	-2868.1	1135.2	-390.3	-16164.5	82330.6	216701.3
	-2864.2	-247.9	-386.0	-15684.9	103589.3	241440.7
	-2868.1	-247.5	-390.3	-16164.5	104091.3	241443.7
279.	-2864.2	-1630.6	-386.0	-15684.9	125106.5	189077.4
	-2868.1	-1630.2	-390.3	-16164.5	125852.0	189100.4
335.	-2864.2	-3013.3	-386.0	-15684.9	146623.7	59628.4
	-2868.1	-3012.9	-390.3	-16164.5	147612.7	59671.3
390.	-2864.2	-4396.0	-386.0	-15684.9	168140.9	-146906.4
	-2868.1	-4395.7	-390.3	-16164.5	169373.4	-146843.4
446.	-2864.2	-5778.7	-386.0	-15684.9	189658.2	-430526.8
	-2868.1	-5778.4	-390.3	-16164.5	191134.1	-430443.8
Asta	185	nodì	80	91		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2756.0	5835.0	-379.1	-19718.4	-132112.0	-467108.8
	-2759.3	5835.0	-381.6	-19941.6	-133101.1	-467120.9
55.	-2756.0	4470.9	-379.1	-19718.4	-111262.8	-183697.8
	-2759.3	4470.9	-381.6	-19941.6	-112111.1	-183707.1
110.	-2756.0	3106.8	-379.1	-19718.4	-90413.7	24687.6
	-2759.3	3106.8	-381.6	-19941.6	-91121.1	24681.2
165.	-2756.0	1742.7	-379.1	-19718.4	-69564.6	158047.4
	-2759.3	1742.7	-381.6	-19941.6	-70131.0	158043.9
220.	-2756.0	378.6	-379.1	-19718.4	-48715.4	216381.6
	-2759.3	378.6	-381.6	-19941.6	-49141.0	216381.0
275.	-2756.0	-985.5	-379.1	-19718.4	-27866.3	199690.2
	-2759.3	-985.5	-381.6	-19941.6	-28151.0	199692.4
330.	-2756.0	-2349.6	-379.1	-19718.4	-7017.1	107973.2
	-2759.3	-2349.6	-381.6	-19941.6	-7161.0	107978.3
385.	-2756.0	-3713.7	-379.1	-19718.4	13832.0	-58769.4
	-2759.3	-3713.7	-381.6	-19941.6	13829.0	-58761.4
440.	-2756.0	-5077.8	-379.1	-19718.4	34681.2	-300537.6
	-2759.3	-5077.8	-381.6	-19941.6	34819.1	-300526.7
Asta	186	nodì	113	97		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	0.0	1.7	0.0	0.0	0.0
	0.0	0.0	-1.7	0.0	0.0	0.0
19.	0.0	-74.6	1.7	0.0	-32.6	-699.8
	0.0	-74.6	-1.7	0.0	32.6	-699.8
38.	0.0	-149.3	1.7	0.0	-65.3	-2799.3
	0.0	-149.3	-1.7	0.0	65.2	-2799.3
56.	0.0	-223.9	1.7	0.0	-97.9	-6298.5
	0.0	-223.9	-1.7	0.0	97.9	-6298.5
75.	0.0	-298.6	1.7	0.0	-130.5	-11197.3
	0.0	-298.6	-1.7	0.0	130.5	-11197.3
94.	0.0	-373.2	1.7	0.0	-163.1	-17495.7
	0.0	-373.2	-1.7	0.0	163.1	-17495.7
113.	0.0	-447.9	1.7	0.0	-195.8	-25193.8
	0.0	-447.9	-1.7	0.0	195.7	-25193.8
131.	0.0	-522.5	1.7	0.0	-228.4	-34291.6
	0.0	-522.5	-1.7	0.0	228.4	-34291.6
150.	0.0	-597.2	1.7	0.0	-261.0	-44789.1
	0.0	-597.2	-1.7	0.0	261.0	-44789.1
Asta	187	nodì	97	98		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1064.3	1854.9	9.0	-1118.9	-2930.6	-229106.5
	-1063.9	1854.4	2.5	-2260.8	-3812.6	-229025.5
45.	-1064.3	1676.2	9.0	-1118.9	-3332.8	-149876.7
	-1063.9	1675.8	2.5	-2260.8	-3923.5	-149817.3
90.	-1064.3	1497.6	9.0	-1118.9	-3735.0	-78664.2
	-1063.9	1497.1	2.5	-2260.8	-4034.5	-78626.5
135.	-1064.3	1318.9	9.0	-1118.9	-4137.2	-15469.0
	-1063.9	1318.4	2.5	-2260.8	-4145.4	-15453.0
180.	-1064.3	1140.3	9.0	-1118.9	-4539.4	39708.9
	-1063.9	1139.8	2.5	-2260.8	-4256.3	39703.2
224.	-1064.3	961.6	9.0	-1118.9	-4941.6	86869.4
	-1063.9	961.1	2.5	-2260.8	-4367.2	86842.1
269.	-1064.3	782.9	9.0	-1118.9	-5343.8	126012.7
	-1063.9	782.5	2.5	-2260.8	-4478.2	125963.7
314.	-1064.3	604.3	9.0	-1118.9	-5746.0	157138.6
	-1063.9	603.8	2.5	-2260.8	-4589.1	157068.0
359.	-1064.3	425.6	9.0	-1118.9	-6148.1	180247.3
	-1063.9	425.1	2.5	-2260.8	-4700.0	180155.0
Asta	188	nodì	98	99		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1098.9	-231.6	-4.4	1570.0	-6372.1	143101.3
	-1098.6	-231.2	-8.1	390.3	-6041.6	143026.2
41.	-1098.9	-395.3	-4.4	1570.0	-6190.1	130210.9
	-1098.6	-395.0	-8.1	390.3	-5709.8	130150.1
82.	-1098.9	-559.0	-4.4	1570.0	-6008.2	110587.2
	-1098.6	-558.7	-8.1	390.3	-5377.9	110540.6
123.	-1098.9	-722.8	-4.4	1570.0	-5826.2	84230.2
	-1098.6	-722.4	-8.1	390.3	-5046.1	84197.8
165.	-1098.9	-886.5	-4.4	1570.0	-5644.3	51139.8
	-1098.6	-886.1	-8.1	390.3	-4714.3	51121.6
206.	-1098.9	-1050.2	-4.4	1570.0	-5462.3	11316.0
	-1098.6	-1049.9	-8.1	390.3	-4382.4	11312.0
247.	-1098.9	-1214.0	-4.4	1570.0	-5280.4	-35241.1
	-1098.6	-1213.6	-8.1	390.3	-4050.6	-35230.8
288.	-1098.9	-1377.7	-4.4	1570.0	-5098.4	-88531.5
	-1098.6	-1377.3	-8.1	390.3	-3718.8	-88507.1
329.	-1098.9	-1541.4	-4.4	1570.0	-4916.5	-148555.3

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	-1098.6	-1541.1	-8.1	390.3	-3386.9	-148516.7
Asta	189	nodì	103	102		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1433.7	1590.1	-21.2	-771.5	219.8	-191627.9
	-1433.8	1589.9	-22.4	-996.5	-1.4	-191606.7
41.	-1433.7	1427.1	-21.2	-771.5	1089.6	-129871.1
	-1433.8	1427.0	-22.4	-996.5	914.7	-129854.8
82.	-1433.7	1264.1	-21.2	-771.5	1959.5	-74786.5
	-1433.8	1264.0	-22.4	-996.5	1830.7	-74775.0
123.	-1433.7	1101.1	-21.2	-771.5	2829.3	-26373.9
	-1433.8	1101.0	-22.4	-996.5	2746.8	-26367.2
164.	-1433.7	938.1	-21.2	-771.5	3699.2	15366.5
	-1433.8	938.0	-22.4	-996.5	3662.8	15368.4
205.	-1433.7	775.1	-21.2	-771.5	4569.0	50434.9
	-1433.8	775.0	-22.4	-996.5	4578.9	50432.0
246.	-1433.7	612.2	-21.2	-771.5	5438.9	78831.1
	-1433.8	612.0	-22.4	-996.5	5494.9	78823.5
287.	-1433.7	449.2	-21.2	-771.5	6308.7	100555.3
	-1433.8	449.1	-22.4	-996.5	6411.0	100542.8
328.	-1433.7	286.2	-21.2	-771.5	7178.6	115607.4
	-1433.8	286.1	-22.4	-996.5	7327.0	115590.1
Asta	190	nodì	102	101		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1814.7	618.7	-14.9	-2566.0	4748.1	28757.9
	-1814.8	618.6	-18.2	-2965.3	4631.5	28773.3
34.	-1814.7	484.8	-14.9	-2566.0	5248.9	47311.5
	-1814.8	484.8	-18.2	-2965.3	5242.5	47323.8
67.	-1814.7	351.0	-14.9	-2566.0	5749.7	61363.8
	-1814.8	350.9	-18.2	-2965.3	5853.5	61372.9
101.	-1814.7	217.1	-14.9	-2566.0	6250.6	70914.7
	-1814.8	217.0	-18.2	-2965.3	6464.5	70920.6
135.	-1814.7	83.2	-14.9	-2566.0	6751.4	75964.2
	-1814.8	83.1	-18.2	-2965.3	7075.5	75967.0
168.	-1814.7	-50.6	-14.9	-2566.0	7252.3	76512.4
	-1814.8	-50.7	-18.2	-2965.3	7686.5	76512.0
202.	-1814.7	-184.5	-14.9	-2566.0	7753.1	72559.2
	-1814.8	-184.6	-18.2	-2965.3	8297.5	72555.7
235.	-1814.7	-318.4	-14.9	-2566.0	8254.0	64104.7
	-1814.8	-318.5	-18.2	-2965.3	8908.5	64098.0
269.	-1814.7	-452.2	-14.9	-2566.0	8754.8	51148.8
	-1814.8	-452.3	-18.2	-2965.3	9519.5	51138.9
Asta	191	nodì	101	100		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1298.1	-800.1	-7.6	-3400.0	5232.1	164810.8
	-1298.1	-800.4	-8.9	-3899.2	5404.8	164849.0
34.	-1298.1	-936.5	-7.6	-3400.0	5493.1	135071.3
	-1298.1	-936.8	-8.9	-3899.2	5711.2	135100.4
69.	-1298.1	-1072.8	-7.6	-3400.0	5754.1	100661.6
	-1298.1	-1073.1	-8.9	-3899.2	6017.5	100681.6
103.	-1298.1	-1209.2	-7.6	-3400.0	6015.1	61581.5
	-1298.1	-1209.5	-8.9	-3899.2	6323.9	61592.5
137.	-1298.1	-1345.6	-7.6	-3400.0	6276.1	17831.3
	-1298.1	-1345.8	-8.9	-3899.2	6630.2	17833.2
171.	-1298.1	-1481.9	-7.6	-3400.0	6537.1	-30589.3
	-1298.1	-1482.2	-8.9	-3899.2	6936.6	-30596.4
206.	-1298.1	-1618.3	-7.6	-3400.0	6798.1	-83680.1
	-1298.1	-1618.5	-8.9	-3899.2	7243.0	-83696.2
240.	-1298.1	-1754.6	-7.6	-3400.0	7059.1	-141441.1
	-1298.1	-1754.9	-8.9	-3899.2	7549.3	-141466.3
274.	-1298.1	-1891.0	-7.6	-3400.0	7320.1	-203872.4
	-1298.1	-1891.3	-8.9	-3899.2	7855.7	-203906.7
Asta	192	nodì	114	1		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-44407.4	-5724.6	-4592.0	-27523.4	-571389.6	104096.0
	-44411.2	-5725.2	-4604.8	-27645.2	-573494.3	104141.3
10.	-44367.6	-5724.6	-4592.0	-27523.4	-525469.3	46850.0
	-44371.4	-5725.2	-4604.8	-27645.2	-527446.1	46889.5
20.	-44327.8	-5724.6	-4592.0	-27523.4	-479549.0	-10396.0
	-44331.6	-5725.2	-4604.8	-27645.2	-481397.8	-10362.2
30.	-44287.9	-5724.6	-4592.0	-27523.4	-433628.7	-67641.9
	-44291.8	-5725.2	-4604.8	-27645.2	-435349.5	-67614.0
40.	-44248.1	-5724.6	-4592.0	-27523.4	-387708.4	-124887.9
	-44252.0	-5725.2	-4604.8	-27645.2	-389301.2	-124865.7
50.	-44208.3	-5724.6	-4592.0	-27523.4	-341788.1	-182133.9
	-44212.1	-5725.2	-4604.8	-27645.2	-343252.9	-182117.5
60.	-44168.5	-5724.6	-4592.0	-27523.4	-295867.8	-239379.8
	-44172.3	-5725.2	-4604.8	-27645.2	-297204.7	-239369.3
70.	-44128.7	-5724.6	-4592.0	-27523.4	-249947.5	-296625.8
	-44132.5	-5725.2	-4604.8	-27645.2	-251156.4	-296621.0
80.	-44088.9	-5724.6	-4592.0	-27523.4	-204027.2	-353871.8
	-44092.7	-5725.2	-4604.8	-27645.2	-205108.1	-353872.8
Asta	193	nodì	115	3		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-58398.0	-1115.9	-70.3	113.0	-52789.3	147699.4
	-58398.2	-1116.5	-60.6	-206.5	-51848.3	147740.2
10.	-58358.2	-1115.9	-70.3	113.0	-52086.5	136540.4
	-58358.3	-1116.5	-60.6	-206.5	-51242.2	136575.2
20.	-58318.4	-1115.9	-70.3	113.0	-51383.7	125381.3
	-58318.5	-1116.5	-60.6	-206.5	-50636.0	125410.3

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30.	-58278.6	-1115.9	-70.3	113.0	-50680.9	114222.2
	-58278.7	-1116.5	-60.6	-206.5	-50029.9	114245.3
40.	-58238.8	-1115.9	-70.3	113.0	-49978.2	103063.2
	-58238.9	-1116.5	-60.6	-206.5	-49423.8	103080.4
50.	-58199.0	-1115.9	-70.3	113.0	-49275.4	91904.1
	-58199.1	-1116.5	-60.6	-206.5	-48817.7	91915.4
60.	-58159.2	-1115.9	-70.3	113.0	-48572.6	80745.1
	-58159.3	-1116.5	-60.6	-206.5	-48211.6	80750.5
70.	-58119.4	-1115.9	-70.3	113.0	-47869.8	69586.0
	-58119.5	-1116.5	-60.6	-206.5	-47605.5	69585.5
80.	-58079.5	-1115.9	-70.3	113.0	-47167.1	58426.9
	-58079.7	-1116.5	-60.6	-206.5	-46999.4	58420.6
Asta	194	nodì	116	5		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-60352.7	-568.7	-9.0	5293.5	-14733.2	63761.1
	-60352.7	-569.2	16.5	5465.8	-12436.9	63801.6
10.	-60312.9	-568.7	-9.0	5293.5	-14642.8	58074.4
	-60312.9	-569.2	16.5	5465.8	-12602.2	58109.4
20.	-60273.1	-568.7	-9.0	5293.5	-14552.5	52387.8
	-60273.1	-569.2	16.5	5465.8	-12767.5	52417.3
30.	-60233.3	-568.7	-9.0	5293.5	-14462.2	46701.1
	-60233.3	-569.2	16.5	5465.8	-12932.8	46725.1
40.	-60193.4	-568.7	-9.0	5293.5	-14371.8	41014.5
	-60193.5	-569.2	16.5	5465.8	-13098.1	41033.0
50.	-60153.6	-568.7	-9.0	5293.5	-14281.5	35327.8
	-60153.7	-569.2	16.5	5465.8	-13263.5	35340.8
60.	-60113.8	-568.7	-9.0	5293.5	-14191.2	29641.1
	-60113.9	-569.2	16.5	5465.8	-13428.8	29648.7
70.	-60074.0	-568.7	-9.0	5293.5	-14100.8	23954.5
	-60074.0	-569.2	16.5	5465.8	-13594.1	23956.5
80.	-60034.2	-568.7	-9.0	5293.5	-14010.5	18267.8
	-60034.2	-569.2	16.5	5465.8	-13759.4	18264.4
Asta	195	nodì	117	7		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-54270.2	1379.6	-1.6	3103.4	-4485.6	68897.0
	-54270.1	1379.0	-4.5	3466.3	-4653.3	68939.5
10.	-54230.4	1379.6	-1.6	3103.4	-4469.8	82693.5
	-54230.3	1379.0	-4.5	3466.3	-4608.6	82729.9
20.	-54190.5	1379.6	-1.6	3103.4	-4454.0	96489.9
	-54190.4	1379.0	-4.5	3466.3	-4564.0	96520.4
30.	-54150.7	1379.6	-1.6	3103.4	-4438.2	110286.4
	-54150.6	1379.0	-4.5	3466.3	-4519.4	110310.8
40.	-54110.9	1379.6	-1.6	3103.4	-4422.4	124082.8
	-54110.8	1379.0	-4.5	3466.3	-4474.7	124101.2
50.	-54071.1	1379.6	-1.6	3103.4	-4406.7	137879.3
	-54071.0	1379.0	-4.5	3466.3	-4430.1	137891.7
60.	-54031.3	1379.6	-1.6	3103.4	-4390.9	151675.7
	-54031.2	1379.0	-4.5	3466.3	-4385.5	151682.1
70.	-53991.5	1379.6	-1.6	3103.4	-4375.1	165472.2
	-53991.4	1379.0	-4.5	3466.3	-4340.8	165472.6
80.	-53951.7	1379.6	-1.6	3103.4	-4359.3	179268.7
	-53951.6	1379.0	-4.5	3466.3	-4296.2	179263.0
Asta	196	nodì	118	9		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-35312.4	4006.7	-99.3	9072.9	-284800.9	-175286.9
	-35309.5	4006.2	-86.9	9400.7	-284754.0	-175267.4
10.	-35272.6	4006.7	-99.3	9072.9	-283807.9	-135219.9
	-35269.7	4006.2	-86.9	9400.7	-283885.3	-135205.0
20.	-35232.8	4006.7	-99.3	9072.9	-282814.9	-95152.9
	-35229.9	4006.2	-86.9	9400.7	-283016.6	-95142.7
30.	-35193.0	4006.7	-99.3	9072.9	-281821.9	-55085.8
	-35190.0	4006.2	-86.9	9400.7	-282147.9	-55080.3
40.	-35153.2	4006.7	-99.3	9072.9	-280828.8	-15018.8
	-35150.2	4006.2	-86.9	9400.7	-281279.2	-15018.0
50.	-35113.3	4006.7	-99.3	9072.9	-279835.8	25048.2
	-35110.4	4006.2	-86.9	9400.7	-280410.5	25044.3
60.	-35073.5	4006.7	-99.3	9072.9	-278842.8	65115.3
	-35070.6	4006.2	-86.9	9400.7	-279541.8	65106.7
70.	-35033.7	4006.7	-99.3	9072.9	-277849.8	105182.3
	-35030.8	4006.2	-86.9	9400.7	-278673.1	105169.0
80.	-34993.9	4006.7	-99.3	9072.9	-276856.8	145249.3
	-34991.0	4006.2	-86.9	9400.7	-277804.4	145231.4
Asta	197	nodì	119	11		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-54803.7	2218.8	2507.9	8647.0	377891.8	80354.8
	-54799.2	2214.5	2516.5	7219.1	377639.3	80619.9
10.	-54763.8	2218.8	2507.9	8647.0	352812.9	102543.1
	-54759.4	2214.5	2516.5	7219.1	352474.0	102765.1
20.	-54724.0	2218.8	2507.9	8647.0	327734.1	124731.5
	-54719.6	2214.5	2516.5	7219.1	327308.7	124910.4
30.	-54684.2	2218.8	2507.9	8647.0	302655.2	146919.8
	-54679.8	2214.5	2516.5	7219.1	302143.4	147055.6
40.	-54644.4	2218.8	2507.9	8647.0	277576.3	169108.1
	-54640.0	2214.5	2516.5	7219.1	276978.1	169200.9
50.	-54604.6	2218.8	2507.9	8647.0	252497.5	191296.4
	-54600.2	2214.5	2516.5	7219.1	251812.8	191346.1
60.	-54564.8	2218.8	2507.9	8647.0	227418.6	213484.8
	-54560.4	2214.5	2516.5	7219.1	226647.5	213491.4
70.	-54525.0	2218.8	2507.9	8647.0	202339.7	235673.1
	-54520.5	2214.5	2516.5	7219.1	201482.2	235636.6

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80.	-54485.2 -54480.7	2218.8 2214.5	2507.9 2516.5	8647.0 7219.1	177260.9 176316.9	257861.4 257781.9
Asta	198	nodì	120	13		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-48976.6 -48975.9	4113.3 4112.0	-192.2 -169.6	2455.0 780.6	9332.5 9142.7	-9661.4 -9646.0
10.	-48936.8 -48936.1	4113.3 4112.0	-192.2 -169.6	2455.0 780.6	11254.9 10838.7	31471.6 31473.5
20.	-48897.0 -48896.2	4113.3 4112.0	-192.2 -169.6	2455.0 780.6	13177.2 12534.7	72604.6 72593.1
30.	-48857.2 -48856.4	4113.3 4112.0	-192.2 -169.6	2455.0 780.6	15099.6 14230.8	113737.6 113712.6
40.	-48817.4 -48816.6	4113.3 4112.0	-192.2 -169.6	2455.0 780.6	17022.0 15926.8	154870.6 154832.2
50.	-48777.6 -48776.8	4113.3 4112.0	-192.2 -169.6	2455.0 780.6	18944.4 17622.8	196003.6 195951.7
60.	-48737.7 -48737.0	4113.3 4112.0	-192.2 -169.6	2455.0 780.6	20866.7 19318.8	237136.7 237071.3
70.	-48697.9 -48697.2	4113.3 4112.0	-192.2 -169.6	2455.0 780.6	22789.1 21014.9	278269.7 278190.8
80.	-48658.1 -48657.4	4113.3 4112.0	-192.2 -169.6	2455.0 780.6	24711.5 22710.9	319402.7 319310.4
Asta	199	nodì	121	15		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-55528.8 -55528.4	3478.6 3477.4	10.5 -7.5	2618.6 2473.6	11577.8 10648.0	-10449.7 -10436.6
10.	-55489.0 -55488.5	3478.6 3477.4	10.5 -7.5	2618.6 2473.6	11472.7 10723.1	24336.3 24337.1
20.	-55449.2 -55448.7	3478.6 3477.4	10.5 -7.5	2618.6 2473.6	11367.6 10798.2	59122.3 59110.7
30.	-55409.3 -55408.9	3478.6 3477.4	10.5 -7.5	2618.6 2473.6	11262.5 10873.4	93908.3 93884.3
40.	-55369.5 -55369.1	3478.6 3477.4	10.5 -7.5	2618.6 2473.6	11157.4 10948.5	128694.2 128658.0
50.	-55329.7 -55329.3	3478.6 3477.4	10.5 -7.5	2618.6 2473.6	11052.3 11023.7	163480.2 163431.6
60.	-55289.9 -55289.5	3478.6 3477.4	10.5 -7.5	2618.6 2473.6	10947.2 11098.8	198266.2 198205.3
70.	-55250.1 -55249.7	3478.6 3477.4	10.5 -7.5	2618.6 2473.6	10842.1 11173.9	233052.1 232978.9
80.	-55210.3 -55209.9	3478.6 3477.4	10.5 -7.5	2618.6 2473.6	10737.0 11249.1	267838.1 267752.6
Asta	200	nodì	122	17		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-57607.6 -57607.5	708.3 707.2	22.0 12.2	3986.2 4870.4	14482.6 13994.3	-10215.2 -10204.1
10.	-57567.8 -57567.7	708.3 707.2	22.0 12.2	3986.2 4870.4	14263.0 13872.5	-3132.4 -3131.9
20.	-57528.0 -57527.9	708.3 707.2	22.0 12.2	3986.2 4870.4	14043.5 13750.7	3950.5 3940.3
30.	-57488.2 -57488.1	708.3 707.2	22.0 12.2	3986.2 4870.4	13824.0 13628.9	11033.3 11012.5
40.	-57448.4 -57448.3	708.3 707.2	22.0 12.2	3986.2 4870.4	13604.4 13507.1	18116.2 18084.7
50.	-57408.6 -57408.5	708.3 707.2	22.0 12.2	3986.2 4870.4	13384.9 13385.3	25199.0 25156.9
60.	-57368.8 -57368.7	708.3 707.2	22.0 12.2	3986.2 4870.4	13165.4 13263.5	32281.9 32229.1
70.	-57329.0 -57328.8	708.3 707.2	22.0 12.2	3986.2 4870.4	12945.9 13141.6	39364.7 39301.3
80.	-57289.1 -57289.0	708.3 707.2	22.0 12.2	3986.2 4870.4	12726.3 13019.8	46447.5 46373.5
Asta	201	nodì	123	19		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-53535.8 -53535.7	1111.5 1110.4	34.1 42.6	6360.5 7135.8	19130.6 19568.5	-15797.7 -15787.4
10.	-53495.9 -53495.9	1111.5 1110.4	34.1 42.6	6360.5 7135.8	18790.0 19143.0	-4683.2 -4683.7
20.	-53456.1 -53456.1	1111.5 1110.4	34.1 42.6	6360.5 7135.8	18449.5 18717.5	6431.3 6420.0
30.	-53416.3 -53416.3	1111.5 1110.4	34.1 42.6	6360.5 7135.8	18109.0 18292.0	17545.8 17523.6
40.	-53376.5 -53376.5	1111.5 1110.4	34.1 42.6	6360.5 7135.8	17768.4 17866.5	28660.3 28627.3
50.	-53336.7 -53336.7	1111.5 1110.4	34.1 42.6	6360.5 7135.8	17427.9 17441.0	39774.8 39730.9
60.	-53296.9 -53296.9	1111.5 1110.4	34.1 42.6	6360.5 7135.8	17087.3 17015.5	50889.3 50834.6
70.	-53257.1 -53257.1	1111.5 1110.4	34.1 42.6	6360.5 7135.8	16746.8 16589.9	62003.8 61938.3
80.	-53217.3 -53217.2	1111.5 1110.4	34.1 42.6	6360.5 7135.8	16406.2 16164.4	73118.3 73041.9
Asta	202	nodì	124	21		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-53668.0 -53667.8	3360.5 3359.2	87.4 104.8	9086.8 8961.7	26340.8 27139.8	-25474.1 -25463.5
10.	-53628.2 -53627.9	3360.5 3359.2	87.4 104.8	9086.8 8961.7	25467.2 26091.7	8130.9 8128.6
20.	-53588.4	3360.5	87.4	9086.8	24593.7	41735.8

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	-53588.1	3359.2	104.8	8961.7	25043.6	41720.8
30.	-53548.6	3360.5	87.4	9086.8	23720.1	75340.8
	-53548.3	3359.2	104.8	8961.7	23995.6	75313.0
40.	-53508.8	3360.5	87.4	9086.8	22846.6	108945.7
	-53508.5	3359.2	104.8	8961.7	22947.5	108905.2
50.	-53469.0	3360.5	87.4	9086.8	21973.1	142550.7
	-53468.7	3359.2	104.8	8961.7	21899.4	142497.3
60.	-53429.1	3360.5	87.4	9086.8	21099.5	176155.6
	-53428.9	3359.2	104.8	8961.7	20851.3	176089.5
70.	-53389.3	3360.5	87.4	9086.8	20226.0	209760.6
	-53389.1	3359.2	104.8	8961.7	19803.3	209681.7
80.	-53349.5	3360.5	87.4	9086.8	19352.4	243365.5
	-53349.3	3359.2	104.8	8961.7	18755.2	243273.9
Asta	203	nodì	125	23		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-59084.9	5066.0	149.9	8539.1	35163.9	-36743.6
	-59083.5	5064.0	160.0	7831.1	35491.7	-36731.2
10.	-59045.1	5066.0	149.9	8539.1	33665.3	13916.3
	-59043.6	5064.0	160.0	7831.1	33892.2	13909.1
20.	-59005.3	5066.0	149.9	8539.1	32166.8	64576.1
	-59003.8	5064.0	160.0	7831.1	32292.6	64549.4
30.	-58965.5	5066.0	149.9	8539.1	30668.3	115236.0
	-58964.0	5064.0	160.0	7831.1	30693.0	115189.7
40.	-58925.7	5066.0	149.9	8539.1	29169.7	165895.9
	-58924.2	5064.0	160.0	7831.1	29093.5	165830.0
50.	-58885.9	5066.0	149.9	8539.1	27671.2	216555.8
	-58884.4	5064.0	160.0	7831.1	27493.9	216470.3
60.	-58846.1	5066.0	149.9	8539.1	26172.6	267215.7
	-58844.6	5064.0	160.0	7831.1	25894.3	267110.6
70.	-58806.3	5066.0	149.9	8539.1	24674.1	317875.6
	-58804.8	5064.0	160.0	7831.1	24294.7	317750.9
80.	-58766.4	5066.0	149.9	8539.1	23175.5	368535.5
	-58765.0	5064.0	160.0	7831.1	22695.2	368391.2
Asta	204	nodì	126	25		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-63209.0	6461.3	-764.2	-386.5	38357.5	-51315.0
	-63203.7	6459.3	-771.7	-834.5	38029.2	-51300.4
10.	-63169.2	6461.3	-764.2	-386.5	45999.0	13298.0
	-63163.8	6459.3	-771.7	-834.5	45746.0	13292.5
20.	-63129.4	6461.3	-764.2	-386.5	53640.5	77910.9
	-63124.0	6459.3	-771.7	-834.5	53462.8	77885.5
30.	-63089.6	6461.3	-764.2	-386.5	61282.0	142523.9
	-63084.2	6459.3	-771.7	-834.5	61179.5	142478.5
40.	-63049.8	6461.3	-764.2	-386.5	68923.6	207136.9
	-63044.4	6459.3	-771.7	-834.5	68896.3	207071.4
50.	-63010.0	6461.3	-764.2	-386.5	76565.1	271749.9
	-63004.6	6459.3	-771.7	-834.5	76613.1	271664.4
60.	-62970.2	6461.3	-764.2	-386.5	84206.6	336362.8
	-62964.8	6459.3	-771.7	-834.5	84329.8	336257.4
70.	-62930.3	6461.3	-764.2	-386.5	91848.1	400975.8
	-62925.0	6459.3	-771.7	-834.5	92046.6	400850.4
80.	-62890.5	6461.3	-764.2	-386.5	99489.6	465588.8
	-62885.2	6459.3	-771.7	-834.5	99763.3	465443.3
Asta	205	nodì	127	27		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-46917.8	4045.1	-426.7	-18587.6	38306.3	-35769.4
	-46923.1	4051.1	-424.9	-19221.2	37990.8	-35832.1
10.	-46877.9	4045.1	-426.7	-18587.6	42573.3	4682.0
	-46883.3	4051.1	-424.9	-19221.2	42240.2	4678.4
20.	-46838.1	4045.1	-426.7	-18587.6	46840.2	45133.3
	-46843.5	4051.1	-424.9	-19221.2	46489.6	45188.9
30.	-46798.3	4045.1	-426.7	-18587.6	51107.2	85584.6
	-46803.7	4051.1	-424.9	-19221.2	50739.0	85699.5
40.	-46758.5	4045.1	-426.7	-18587.6	55374.1	126035.9
	-46763.9	4051.1	-424.9	-19221.2	54988.4	126210.0
50.	-46718.7	4045.1	-426.7	-18587.6	59641.1	166487.2
	-46724.1	4051.1	-424.9	-19221.2	59237.8	166720.5
60.	-46678.9	4045.1	-426.7	-18587.6	63908.0	206938.5
	-46684.3	4051.1	-424.9	-19221.2	63487.2	207231.1
70.	-46639.1	4045.1	-426.7	-18587.6	68175.0	247389.8
	-46644.4	4051.1	-424.9	-19221.2	67736.6	247741.6
80.	-46599.3	4045.1	-426.7	-18587.6	72441.9	287841.1
	-46604.6	4051.1	-424.9	-19221.2	71986.0	288252.1
Asta	206	nodì	128	29		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-46414.4	9251.4	-1072.5	-16824.7	-196678.0	-477775.8
	-46412.5	9251.3	-1064.7	-17592.7	-196986.5	-477734.8
10.	-46374.6	9251.4	-1072.5	-16824.7	-185952.9	-385261.7
	-46372.7	9251.3	-1064.7	-17592.7	-186339.5	-385221.4
20.	-46334.8	9251.4	-1072.5	-16824.7	-175227.7	-292747.5
	-46332.9	9251.3	-1064.7	-17592.7	-175692.4	-292708.0
30.	-46295.0	9251.4	-1072.5	-16824.7	-164502.6	-200233.3
	-46293.0	9251.3	-1064.7	-17592.7	-165045.4	-200194.6
40.	-46255.2	9251.4	-1072.5	-16824.7	-153777.5	-107719.1
	-46253.2	9251.3	-1064.7	-17592.7	-154398.4	-107681.2
50.	-46215.4	9251.4	-1072.5	-16824.7	-143052.3	-15205.0
	-46213.4	9251.3	-1064.7	-17592.7	-143751.4	-15167.8
60.	-46175.6	9251.4	-1072.5	-16824.7	-132327.2	77309.2
	-46173.6	9251.3	-1064.7	-17592.7	-133104.4	77345.7
70.	-46135.8	9251.4	-1072.5	-16824.7	-121602.0	169823.4

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80.	-46133.8	9251.3	-1064.7	-17592.7	-122457.4	169859.1
	-46095.9	9251.4	-1072.5	-16824.7	-110876.9	262337.6
	-46094.0	9251.3	-1064.7	-17592.7	-111810.4	262372.5
Asta	207	nodì	129	31		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-50155.0	-8988.8	-1107.9	11727.4	-242934.2	446530.7
	-50170.0	-8992.0	-1143.5	11178.6	-244946.1	446699.3
10.	-50115.2	-8988.8	-1107.9	11727.4	-231854.7	356642.7
	-50130.2	-8992.0	-1143.5	11178.6	-233511.1	356779.6
20.	-50075.4	-8988.8	-1107.9	11727.4	-220775.3	266754.8
	-50090.4	-8992.0	-1143.5	11178.6	-222076.1	266859.8
30.	-50035.6	-8988.8	-1107.9	11727.4	-209695.8	176866.8
	-50050.6	-8992.0	-1143.5	11178.6	-210641.1	176940.1
40.	-49995.8	-8988.8	-1107.9	11727.4	-198616.3	86978.8
	-50010.8	-8992.0	-1143.5	11178.6	-199206.1	87020.4
50.	-49956.0	-8988.8	-1107.9	11727.4	-187536.9	-2909.1
	-49971.0	-8992.0	-1143.5	11178.6	-187771.2	-2899.3
60.	-49916.2	-8988.8	-1107.9	11727.4	-176457.4	-92797.1
	-49931.2	-8992.0	-1143.5	11178.6	-176336.2	-92819.1
70.	-49876.4	-8988.8	-1107.9	11727.4	-165378.0	-182685.1
	-49891.4	-8992.0	-1143.5	11178.6	-164901.2	-182738.8
80.	-49836.5	-8988.8	-1107.9	11727.4	-154298.5	-272573.1
	-49851.5	-8992.0	-1143.5	11178.6	-153466.2	-272658.5
Asta	208	nodì	146	104		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-41922.4	4822.0	428.0	-11887.5	16267.9	61962.5
	-41923.6	4833.7	439.5	-12344.3	16235.0	61386.5
10.	-41882.6	4822.0	428.0	-11887.5	11987.8	110182.1
	-41883.8	4833.7	439.5	-12344.3	11840.5	109723.9
20.	-41842.8	4822.0	428.0	-11887.5	7707.7	158401.6
	-41844.0	4833.7	439.5	-12344.3	7446.0	158061.3
30.	-41802.9	4822.0	428.0	-11887.5	3427.5	206621.2
	-41804.2	4833.7	439.5	-12344.3	3051.5	206398.7
40.	-41763.1	4822.0	428.0	-11887.5	-852.6	254840.7
	-41764.4	4833.7	439.5	-12344.3	-1343.0	254736.1
50.	-41723.3	4822.0	428.0	-11887.5	-5132.8	303060.3
	-41724.6	4833.7	439.5	-12344.3	-5737.5	303073.5
60.	-41683.5	4822.0	428.0	-11887.5	-9412.9	351279.8
	-41684.8	4833.7	439.5	-12344.3	-10132.0	351410.9
70.	-41643.7	4822.0	428.0	-11887.5	-13693.0	399499.4
	-41644.9	4833.7	439.5	-12344.3	-14526.5	399748.3
80.	-41603.9	4822.0	428.0	-11887.5	-17973.2	447718.9
	-41605.1	4833.7	439.5	-12344.3	-18921.0	448085.7
Asta	209	nodì	131	35		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-31039.1	2336.5	-1755.6	2175.8	-4697.5	158238.1
	-31045.1	2335.3	-1738.8	2292.7	-4415.1	158580.4
10.	-30999.3	2336.5	-1755.6	2175.8	12858.6	181603.4
	-31005.3	2335.3	-1738.8	2292.7	12972.9	181933.3
20.	-30959.5	2336.5	-1755.6	2175.8	30414.8	204968.8
	-30965.5	2335.3	-1738.8	2292.7	30360.8	205286.1
30.	-30919.7	2336.5	-1755.6	2175.8	47971.0	228334.1
	-30925.7	2335.3	-1738.8	2292.7	47748.7	228638.9
40.	-30879.9	2336.5	-1755.6	2175.8	65527.1	251699.4
	-30885.9	2335.3	-1738.8	2292.7	65136.6	251991.7
50.	-30840.1	2336.5	-1755.6	2175.8	83083.3	275064.7
	-30846.1	2335.3	-1738.8	2292.7	82524.5	275344.5
60.	-30800.3	2336.5	-1755.6	2175.8	100639.5	298430.0
	-30806.3	2335.3	-1738.8	2292.7	99912.4	298697.4
70.	-30760.5	2336.5	-1755.6	2175.8	118195.6	321795.3
	-30766.5	2335.3	-1738.8	2292.7	117300.4	322050.2
80.	-30720.6	2336.5	-1755.6	2175.8	135751.8	345160.7
	-30726.6	2335.3	-1738.8	2292.7	134688.3	345403.0
Asta	210	nodì	132	37		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-51185.7	246.6	-8.5	25682.3	3250.4	75958.8
	-51186.4	246.3	-19.0	25538.6	1481.2	76228.9
10.	-51145.9	246.6	-8.5	25682.3	3335.4	78425.2
	-51146.6	246.3	-19.0	25538.6	1671.4	78691.7
20.	-51106.1	246.6	-8.5	25682.3	3420.4	80891.6
	-51106.8	246.3	-19.0	25538.6	1861.7	81154.5
30.	-51066.2	246.6	-8.5	25682.3	3505.4	83358.1
	-51067.0	246.3	-19.0	25538.6	2051.9	83617.3
40.	-51026.4	246.6	-8.5	25682.3	3590.4	85824.5
	-51027.1	246.3	-19.0	25538.6	2242.2	86080.2
50.	-50986.6	246.6	-8.5	25682.3	3675.4	88290.9
	-50987.3	246.3	-19.0	25538.6	2432.5	88543.0
60.	-50946.8	246.6	-8.5	25682.3	3760.4	90757.3
	-50947.5	246.3	-19.0	25538.6	2622.7	91005.8
70.	-50907.0	246.6	-8.5	25682.3	3845.4	93223.7
	-50907.7	246.3	-19.0	25538.6	2813.0	93468.6
80.	-50867.2	246.6	-8.5	25682.3	3930.4	95690.1
	-50867.9	246.3	-19.0	25538.6	3003.2	95931.4
Asta	211	nodì	133	39		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-35676.3	-3516.8	261.5	13957.0	65709.7	-43208.4
	-35662.5	-3515.8	231.0	14309.3	63965.0	-42994.8
10.	-35636.5	-3516.8	261.5	13957.0	63094.5	-78376.1
	-35622.7	-3515.8	231.0	14309.3	61655.1	-78152.7

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20.	-35596.7	-3516.8	261.5	13957.0	60479.3	-113543.7
	-35582.9	-3515.8	231.0	14309.3	59345.2	-113310.6
30.	-35556.8	-3516.8	261.5	13957.0	57864.1	-148711.3
	-35543.1	-3515.8	231.0	14309.3	57035.3	-148468.6
40.	-35517.0	-3516.8	261.5	13957.0	55248.8	-183879.0
	-35503.3	-3515.8	231.0	14309.3	54725.5	-183626.5
50.	-35477.2	-3516.8	261.5	13957.0	52633.6	-219046.6
	-35463.5	-3515.8	231.0	14309.3	52415.6	-218784.4
60.	-35437.4	-3516.8	261.5	13957.0	50018.4	-254214.3
	-35423.6	-3515.8	231.0	14309.3	50105.7	-253942.3
70.	-35397.6	-3516.8	261.5	13957.0	47403.2	-289381.9
	-35383.8	-3515.8	231.0	14309.3	47795.8	-289100.3
80.	-35357.8	-3516.8	261.5	13957.0	44788.0	-324549.5
	-35344.0	-3515.8	231.0	14309.3	45485.9	-324258.2
Asta	212	nodì	134	41		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-34536.9	4628.9	503.7	-7278.3	117566.3	2050.6
	-34540.6	4630.3	516.3	-7131.2	117573.9	1991.4
10.	-34497.1	4628.9	503.7	-7278.3	112528.9	48339.9
	-34500.8	4630.3	516.3	-7131.2	112410.6	48294.3
20.	-34457.3	4628.9	503.7	-7278.3	107491.4	94629.1
	-34461.0	4630.3	516.3	-7131.2	107247.4	94597.1
30.	-34417.5	4628.9	503.7	-7278.3	102454.0	140918.4
	-34421.2	4630.3	516.3	-7131.2	102084.1	140900.0
40.	-34377.7	4628.9	503.7	-7278.3	97416.5	187207.6
	-34381.3	4630.3	516.3	-7131.2	96920.9	187202.9
50.	-34337.9	4628.9	503.7	-7278.3	92379.0	233496.8
	-34341.5	4630.3	516.3	-7131.2	91757.6	233505.7
60.	-34298.1	4628.9	503.7	-7278.3	87341.6	279786.1
	-34301.7	4630.3	516.3	-7131.2	86594.3	279808.6
70.	-34258.2	4628.9	503.7	-7278.3	82304.1	326075.3
	-34261.9	4630.3	516.3	-7131.2	81431.1	326111.5
80.	-34218.4	4628.9	503.7	-7278.3	77266.7	372364.6
	-34222.1	4630.3	516.3	-7131.2	76267.8	372414.4
Asta	213	nodì	135	43		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-49181.9	116.6	114.3	-30311.5	79017.4	-90844.1
	-49181.5	118.8	102.6	-30419.6	77316.5	-90958.4
10.	-49142.1	116.6	114.3	-30311.5	77874.4	-89677.8
	-49141.6	118.8	102.6	-30419.6	76290.9	-89770.0
20.	-49102.3	116.6	114.3	-30311.5	76731.4	-88511.5
	-49101.8	118.8	102.6	-30419.6	75265.4	-88581.7
30.	-49062.5	116.6	114.3	-30311.5	75588.4	-87345.3
	-49062.0	118.8	102.6	-30419.6	74239.8	-87393.3
40.	-49022.7	116.6	114.3	-30311.5	74445.4	-86179.0
	-49022.2	118.8	102.6	-30419.6	73214.3	-86204.9
50.	-48982.8	116.6	114.3	-30311.5	73302.4	-85012.7
	-48982.4	118.8	102.6	-30419.6	72188.8	-85016.6
60.	-48943.0	116.6	114.3	-30311.5	72159.4	-83846.5
	-48942.6	118.8	102.6	-30419.6	71163.2	-83828.2
70.	-48903.2	116.6	114.3	-30311.5	71016.4	-82680.2
	-48902.8	118.8	102.6	-30419.6	70137.7	-82639.8
80.	-48863.4	116.6	114.3	-30311.5	69873.4	-81513.9
	-48863.0	118.8	102.6	-30419.6	69112.1	-81451.5
Asta	214	nodì	136	45		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-31397.6	-3819.1	3313.2	28934.9	384629.4	-10353.9
	-31390.7	-3817.2	3308.8	29133.5	383090.4	-10478.0
10.	-31357.8	-3819.1	3313.2	28934.9	351497.6	-48544.8
	-31350.9	-3817.2	3308.8	29133.5	350002.0	-48650.1
20.	-31318.0	-3819.1	3313.2	28934.9	318365.9	-86735.8
	-31311.1	-3817.2	3308.8	29133.5	316913.6	-86822.1
30.	-31278.2	-3819.1	3313.2	28934.9	285234.1	-124926.7
	-31271.3	-3817.2	3308.8	29133.5	283825.3	-124994.2
40.	-31238.4	-3819.1	3313.2	28934.9	252102.4	-163117.7
	-31231.5	-3817.2	3308.8	29133.5	250736.9	-163166.2
50.	-31198.5	-3819.1	3313.2	28934.9	218970.6	-201308.6
	-31191.7	-3817.2	3308.8	29133.5	217648.6	-201338.3
60.	-31158.7	-3819.1	3313.2	28934.9	185838.9	-239499.6
	-31151.9	-3817.2	3308.8	29133.5	184560.2	-239510.3
70.	-31118.9	-3819.1	3313.2	28934.9	152707.1	-277690.6
	-31112.0	-3817.2	3308.8	29133.5	151471.9	-277682.4
80.	-31079.1	-3819.1	3313.2	28934.9	119575.3	-315881.5
	-31072.2	-3817.2	3308.8	29133.5	118383.5	-315854.4
Asta	215	nodì	137	47		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-41514.8	-9172.0	-257.2	-7191.0	13641.6	-24888.3
	-41520.9	-9171.2	-290.1	-7629.7	12746.0	-24941.7
10.	-41475.0	-9172.0	-257.2	-7191.0	16213.3	-116608.0
	-41481.1	-9171.2	-290.1	-7629.7	15646.6	-116653.5
20.	-41435.2	-9172.0	-257.2	-7191.0	18785.0	-208327.7
	-41441.3	-9171.2	-290.1	-7629.7	18547.2	-208365.3
30.	-41395.4	-9172.0	-257.2	-7191.0	21356.7	-300047.4
	-41401.5	-9171.2	-290.1	-7629.7	21447.7	-300077.1
40.	-41355.6	-9172.0	-257.2	-7191.0	23928.4	-391767.1
	-41361.7	-9171.2	-290.1	-7629.7	24348.3	-391788.9
50.	-41315.7	-9172.0	-257.2	-7191.0	26500.1	-483486.8
	-41321.9	-9171.2	-290.1	-7629.7	27248.9	-483500.7
60.	-41275.9	-9172.0	-257.2	-7191.0	29071.7	-575206.5
	-41282.1	-9171.2	-290.1	-7629.7	30149.4	-575212.5

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70.	-41236.1	-9172.0	-257.2	-7191.0	31643.4	-666926.2
	-41242.3	-9171.2	-290.1	-7629.7	33050.0	-666924.3
80.	-41196.3	-9172.0	-257.2	-7191.0	34215.1	-758645.9
	-41202.4	-9171.2	-290.1	-7629.7	35950.6	-758636.1
Asta	216	nodì	138	49		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-38117.2	-1462.1	-47.5	-641.2	-46724.4	137054.9
	-38117.8	-1464.6	-52.2	-277.6	-46437.5	137142.4
10.	-38077.4	-1462.1	-47.5	-641.2	-46248.9	122433.6
	-38078.0	-1464.6	-52.2	-277.6	-45915.0	122496.8
20.	-38037.6	-1462.1	-47.5	-641.2	-45773.4	107812.2
	-38038.2	-1464.6	-52.2	-277.6	-45392.6	107851.2
30.	-37997.7	-1462.1	-47.5	-641.2	-45297.9	93190.9
	-37998.4	-1464.6	-52.2	-277.6	-44870.1	93205.5
40.	-37957.9	-1462.1	-47.5	-641.2	-44822.4	78569.6
	-37958.6	-1464.6	-52.2	-277.6	-44347.7	78559.9
50.	-37918.1	-1462.1	-47.5	-641.2	-44347.0	63948.2
	-37918.8	-1464.6	-52.2	-277.6	-43825.2	63914.3
60.	-37878.3	-1462.1	-47.5	-641.2	-43871.5	49326.9
	-37879.0	-1464.6	-52.2	-277.6	-43302.8	49268.7
70.	-37838.5	-1462.1	-47.5	-641.2	-43396.0	34705.6
	-37839.2	-1464.6	-52.2	-277.6	-42780.3	34623.0
80.	-37798.7	-1462.1	-47.5	-641.2	-42920.5	20084.2
	-37799.3	-1464.6	-52.2	-277.6	-42257.9	19977.4
Asta	217	nodì	139	51		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-37971.2	3150.4	-66.3	-6634.0	-35170.9	-193729.2
	-37970.7	3148.7	-44.3	-6797.5	-33578.3	-193683.7
10.	-37931.4	3150.4	-66.3	-6634.0	-34507.7	-162225.7
	-37930.9	3148.7	-44.3	-6797.5	-33135.4	-162196.8
20.	-37891.6	3150.4	-66.3	-6634.0	-33844.6	-130722.1
	-37891.1	3148.7	-44.3	-6797.5	-32692.4	-130709.8
30.	-37851.8	3150.4	-66.3	-6634.0	-33181.4	-99218.6
	-37851.3	3148.7	-44.3	-6797.5	-32249.4	-99222.9
40.	-37812.0	3150.4	-66.3	-6634.0	-32518.3	-67715.1
	-37811.5	3148.7	-44.3	-6797.5	-31806.5	-67735.9
50.	-37772.1	3150.4	-66.3	-6634.0	-31855.1	-36211.5
	-37771.6	3148.7	-44.3	-6797.5	-31363.5	-36249.0
60.	-37732.3	3150.4	-66.3	-6634.0	-31192.0	-4708.0
	-37731.8	3148.7	-44.3	-6797.5	-30920.6	-4762.0
70.	-37692.5	3150.4	-66.3	-6634.0	-30528.8	26795.5
	-37692.0	3148.7	-44.3	-6797.5	-30477.6	26724.9
80.	-37652.7	3150.4	-66.3	-6634.0	-29865.7	58299.1
	-37652.2	3148.7	-44.3	-6797.5	-30034.6	58211.9
Asta	218	nodì	140	53		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-51958.9	2805.3	172.7	22809.5	29286.7	-27264.1
	-51959.3	2808.8	168.6	21561.2	29067.8	-27316.1
10.	-51919.1	2805.3	172.7	22809.5	27559.5	788.6
	-51919.5	2808.8	168.6	21561.2	27381.7	771.9
20.	-51879.3	2805.3	172.7	22809.5	25832.2	28841.2
	-51879.6	2808.8	168.6	21561.2	25695.7	28859.8
30.	-51839.4	2805.3	172.7	22809.5	24105.0	56893.8
	-51839.8	2808.8	168.6	21561.2	24009.6	56947.8
40.	-51799.6	2805.3	172.7	22809.5	22377.7	84946.4
	-51800.0	2808.8	168.6	21561.2	22323.5	85035.8
50.	-51759.8	2805.3	172.7	22809.5	20650.5	112999.1
	-51760.2	2808.8	168.6	21561.2	20637.5	113123.7
60.	-51720.0	2805.3	172.7	22809.5	18923.2	141051.7
	-51720.4	2808.8	168.6	21561.2	18951.4	141211.7
70.	-51680.2	2805.3	172.7	22809.5	17196.0	169104.3
	-51680.6	2808.8	168.6	21561.2	17265.3	169299.6
80.	-51640.4	2805.3	172.7	22809.5	15468.8	197157.0
	-51640.8	2808.8	168.6	21561.2	15579.3	197387.6
Asta	219	nodì	141	55		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-54347.4	-16443.3	69.9	-9054.9	27278.4	-33685.9
	-54343.5	-16443.5	37.6	-9535.2	26396.9	-33675.4
10.	-54307.6	-16443.3	69.9	-9054.9	26579.5	-198118.6
	-54303.7	-16443.5	37.6	-9535.2	26020.6	-198110.2
20.	-54267.8	-16443.3	69.9	-9054.9	25880.7	-362551.3
	-54263.9	-16443.5	37.6	-9535.2	25644.4	-362545.0
30.	-54228.0	-16443.3	69.9	-9054.9	25181.8	-526983.9
	-54224.0	-16443.5	37.6	-9535.2	25268.1	-526979.8
40.	-54188.2	-16443.3	69.9	-9054.9	24482.9	-691416.6
	-54184.2	-16443.5	37.6	-9535.2	24891.9	-691414.6
50.	-54148.4	-16443.3	69.9	-9054.9	23784.1	-855849.3
	-54144.4	-16443.5	37.6	-9535.2	24515.6	-855849.4
60.	-54108.5	-16443.3	69.9	-9054.9	23085.2	-1020282.0
	-54104.6	-16443.5	37.6	-9535.2	24139.3	-1020284.2
70.	-54068.7	-16443.3	69.9	-9054.9	22386.3	-1184714.6
	-54064.8	-16443.5	37.6	-9535.2	23763.1	-1184719.0
80.	-54028.9	-16443.3	69.9	-9054.9	21687.5	-1349147.3
	-54025.0	-16443.5	37.6	-9535.2	23386.8	-1349153.8
Asta	220	nodì	142	57		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-50320.2	-1444.8	14.5	2395.5	-942.4	14617.4
	-50320.2	-1445.4	-3.9	2630.9	-2602.8	14661.7
10.	-50280.3	-1444.8	14.5	2395.5	-1086.9	169.8

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	-50280.4	-1445.4	-3.9	2630.9	-2564.0	207.6
20.	-50240.5	-1444.8	14.5	2395.5	-1231.5	-14277.8
	-50240.6	-1445.4	-3.9	2630.9	-2525.1	-14246.6
30.	-50200.7	-1444.8	14.5	2395.5	-1376.1	-28725.4
	-50200.8	-1445.4	-3.9	2630.9	-2486.3	-28700.7
40.	-50160.9	-1444.8	14.5	2395.5	-1520.6	-43173.0
	-50161.0	-1445.4	-3.9	2630.9	-2447.4	-43154.8
50.	-50121.1	-1444.8	14.5	2395.5	-1665.2	-57620.6
	-50121.2	-1445.4	-3.9	2630.9	-2408.6	-57609.0
60.	-50081.3	-1444.8	14.5	2395.5	-1809.7	-72068.2
	-50081.4	-1445.4	-3.9	2630.9	-2369.7	-72063.1
70.	-50041.5	-1444.8	14.5	2395.5	-1954.3	-86515.8
	-50041.5	-1445.4	-3.9	2630.9	-2330.9	-86517.2
80.	-50001.7	-1444.8	14.5	2395.5	-2098.8	-100963.4
	-50001.7	-1445.4	-3.9	2630.9	-2292.0	-100971.4
Asta	221	nodì	143	59		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-49788.6	556.1	6.1	1895.3	-2548.0	20825.3
	-49788.4	555.5	-7.1	1771.1	-4212.1	20866.7
10.	-49748.8	556.1	6.1	1895.3	-2609.2	26386.7
	-49748.6	555.5	-7.1	1771.1	-4141.4	26421.6
20.	-49709.0	556.1	6.1	1895.3	-2670.3	31948.0
	-49708.8	555.5	-7.1	1771.1	-4070.8	31976.4
30.	-49669.1	556.1	6.1	1895.3	-2731.4	37509.4
	-49669.0	555.5	-7.1	1771.1	-4000.2	37531.3
40.	-49629.3	556.1	6.1	1895.3	-2792.6	43070.7
	-49629.2	555.5	-7.1	1771.1	-3929.5	43086.1
50.	-49589.5	556.1	6.1	1895.3	-2853.7	48632.0
	-49589.4	555.5	-7.1	1771.1	-3858.9	48641.0
60.	-49549.7	556.1	6.1	1895.3	-2914.8	54193.4
	-49549.6	555.5	-7.1	1771.1	-3788.3	54195.9
70.	-49509.9	556.1	6.1	1895.3	-2976.0	59754.7
	-49509.7	555.5	-7.1	1771.1	-3717.7	59750.7
80.	-49470.1	556.1	6.1	1895.3	-3037.1	65316.1
	-49469.9	555.5	-7.1	1771.1	-3647.0	65305.6
Asta	222	nodì	144	61		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-41100.3	790.0	27.0	658.4	-8988.7	-55007.4
	-41100.1	789.5	33.9	349.4	-9023.2	-54979.3
10.	-41060.5	790.0	27.0	658.4	-9259.0	-47107.6
	-41060.3	789.5	33.9	349.4	-9362.1	-47084.5
20.	-41020.7	790.0	27.0	658.4	-9529.3	-39207.7
	-41020.5	789.5	33.9	349.4	-9701.0	-39189.8
30.	-40980.9	790.0	27.0	658.4	-9799.6	-31307.9
	-40980.7	789.5	33.9	349.4	-10039.8	-31295.1
40.	-40941.1	790.0	27.0	658.4	-10069.9	-23408.1
	-40940.9	789.5	33.9	349.4	-10378.7	-23400.3
50.	-40901.2	790.0	27.0	658.4	-10340.2	-15508.2
	-40901.1	789.5	33.9	349.4	-10717.6	-15505.6
60.	-40861.4	790.0	27.0	658.4	-10610.6	-7608.4
	-40861.2	789.5	33.9	349.4	-11056.5	-7610.9
70.	-40821.6	790.0	27.0	658.4	-10880.9	291.4
	-40821.4	789.5	33.9	349.4	-11395.4	283.9
80.	-40781.8	790.0	27.0	658.4	-11151.2	8191.2
	-40781.6	789.5	33.9	349.4	-11734.3	8178.6
Asta	223	nodì	145	63		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-40524.2	2066.7	-186.0	9833.0	-45968.4	-179918.9
	-40523.9	2066.5	-163.4	9710.5	-44840.5	-179910.1
10.	-40484.4	2066.7	-186.0	9833.0	-44108.5	-159251.6
	-40484.1	2066.5	-163.4	9710.5	-43206.4	-159245.6
20.	-40444.6	2066.7	-186.0	9833.0	-42248.6	-138584.3
	-40444.3	2066.5	-163.4	9710.5	-41572.4	-138581.0
30.	-40404.8	2066.7	-186.0	9833.0	-40388.7	-117917.0
	-40404.5	2066.5	-163.4	9710.5	-39938.4	-117916.5
40.	-40365.0	2066.7	-186.0	9833.0	-38528.8	-97249.8
	-40364.7	2066.5	-163.4	9710.5	-38304.3	-97251.9
50.	-40325.2	2066.7	-186.0	9833.0	-36668.9	-76582.5
	-40324.9	2066.5	-163.4	9710.5	-36670.3	-76587.4
60.	-40285.3	2066.7	-186.0	9833.0	-34809.0	-55915.2
	-40285.1	2066.5	-163.4	9710.5	-35036.3	-55922.8
70.	-40245.5	2066.7	-186.0	9833.0	-32949.1	-35247.9
	-40245.2	2066.5	-163.4	9710.5	-33402.2	-35258.3
80.	-40205.7	2066.7	-186.0	9833.0	-31089.2	-14580.6
	-40205.4	2066.5	-163.4	9710.5	-31768.2	-14593.7
Asta	224	nodì	145	118		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	3502.1	23529.2	-112.0	63338.4	-37359.1	-1665218.4
	3504.2	23529.2	-99.2	63531.3	-37607.0	-1665399.4
34.	3502.1	19191.5	-115.6	64371.7	-33468.3	-933866.8
	3504.2	19191.7	-108.4	64563.7	-34060.6	-934043.0
69.	3502.1	14940.5	-122.0	65435.6	-29407.1	-349610.2
	3504.2	14940.9	-121.0	65626.9	-30141.5	-349775.6
103.	3502.1	10780.4	-131.7	66530.1	-25071.7	90596.4
	3504.2	10781.0	-137.5	66720.8	-25725.3	90448.4
137.	3502.1	6713.6	-145.1	67655.3	-20341.8	389912.3
	3504.2	6714.4	-158.4	67845.4	-20670.3	389788.9
171.	3502.1	2740.9	-162.6	68811.2	-15083.5	551551.8
	3504.2	2741.9	-184.0	69000.8	-14821.2	551461.0
206.	3502.1	-1138.8	-184.4	69997.6	-9152.8	578725.1

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240.	3504.2	-1137.4	-214.4	70186.9	-8013.1	578675.7
	3502.1	-4928.0	-210.7	71214.8	-2399.1	474579.7
	3504.2	-4926.4	-250.0	71403.7	-74.6	474581.0
274.	3502.1	-8631.2	-241.5	72462.5	5331.4	242141.0
	3504.2	-8629.3	-290.6	72651.3	9168.0	242203.1
Asta	225	nodì	114	115		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	5165.3	17149.0	1.9	-162257.7	-109457.1	-212423.0
	5163.5	17149.3	-37.9	-161112.8	-112949.1	-212376.5
50.	5165.3	11690.5	-86.9	-158624.1	-107220.0	502750.0
	5163.5	11690.6	-118.0	-157478.5	-108961.6	502806.8
99.	5165.3	6102.4	-147.1	-155130.8	-101312.2	944252.3
	5163.5	6102.5	-170.7	-153983.5	-101706.9	944314.9
149.	5165.3	368.5	-183.8	-151777.9	-93024.4	1105237.5
	5163.5	368.5	-201.1	-150627.8	-92412.9	1105302.0
198.	5165.3	-5522.1	-201.3	-148565.4	-83411.3	978186.8
	5163.5	-5522.2	-213.7	-147411.3	-82070.0	978249.9
248.	5165.3	-11575.0	-203.9	-145493.2	-73314.4	555172.8
	5163.5	-11575.1	-212.7	-144334.0	-71454.8	555231.6
297.	5165.3	-17790.4	-195.2	-142561.3	-63384.5	-171875.4
	5163.5	-17790.6	-201.5	-141396.0	-61155.5	-171823.1
347.	5165.3	-24163.3	-178.2	-139769.8	-54104.8	-1210907.9
	5163.5	-24163.5	-183.3	-138597.3	-51595.9	-1210864.2
397.	5165.3	-30683.1	-155.7	-137118.6	-45812.7	-2569489.6
	5163.5	-30683.3	-160.6	-135937.8	-43059.9	-2569456.1
Asta	226	nodì	115	116		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	6281.2	27715.0	-226.9	-84329.4	-45925.8	-2421790.2
	6280.0	27714.9	-220.3	-84089.6	-42853.4	-2421715.9
50.	6281.2	21002.8	-201.0	-81761.4	-35218.8	-1203304.1
	6280.0	21002.7	-194.9	-81512.5	-32467.3	-1203236.1
100.	6281.2	14165.4	-173.5	-79265.0	-25853.5	-323594.1
	6280.0	14165.2	-168.9	-79006.9	-23371.8	-323533.4
150.	6281.2	7211.3	-146.2	-76840.3	-17863.0	211292.2
	6280.0	7211.2	-143.6	-76572.5	-15565.5	211344.9
200.	6281.2	149.4	-120.1	-74487.1	-11212.5	395741.8
	6280.0	149.2	-120.0	-74209.5	-8985.4	395785.9
250.	6281.2	-7011.8	-96.2	-72205.6	-5815.7	224576.4
	6280.0	-7012.0	-98.9	-71917.8	-3523.2	224611.7
300.	6281.2	-14263.5	-74.9	-69995.6	-1551.2	-306946.7
	6280.0	-14263.7	-80.8	-69697.5	958.3	-306920.6
350.	6281.2	-21596.9	-56.5	-67857.3	1720.8	-1203134.7
	6280.0	-21597.1	-65.7	-67548.5	4608.5	-1203117.9
400.	6281.2	-29003.5	-40.8	-65790.6	4142.2	-2467858.5
	6280.0	-29003.6	-53.3	-65470.8	7572.4	-2467851.2
Asta	227	nodì	116	117		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	6849.8	31349.2	-52.4	-51057.4	-1151.3	-2404097.4
	6849.3	31349.1	-34.2	-53034.0	2106.6	-2404049.6
50.	6849.8	23831.0	-39.1	-49034.8	1141.8	-1015708.2
	6849.3	23830.9	-24.0	-51001.2	3560.9	-1015668.0
101.	6849.8	16253.4	-28.1	-47054.3	2822.2	-7096.2
	6849.3	16253.2	-15.9	-49012.4	4555.9	-7063.6
151.	6849.8	8621.2	-19.2	-45115.8	4003.5	618874.5
	6849.3	8621.0	-9.6	-47067.5	5189.3	618899.5
201.	6849.8	938.5	-12.5	-43219.4	4793.6	859565.2
	6849.3	938.4	-4.9	-45166.6	5548.6	859582.6
252.	6849.8	-6791.4	-7.6	-41365.1	5292.7	712520.6
	6849.3	-6791.6	-1.7	-43309.7	5709.8	712530.2
302.	6849.8	-14566.2	-4.5	-39552.8	5591.1	175426.0
	6849.3	-14566.4	0.4	-41496.7	5736.7	175427.9
352.	6849.8	-22384.4	-2.7	-37782.6	5767.1	-753934.6
	6849.3	-22384.6	1.7	-39727.7	5679.5	-753940.6
403.	6849.8	-30245.2	-2.1	-36054.5	5884.8	-2077721.1
	6849.3	-30245.4	2.4	-38002.7	5574.3	-2077735.2
Asta	228	nodì	117	142		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	5470.2	24024.9	-3.4	-31568.9	2781.4	-2008824.0
	5470.2	24024.7	-2.3	-33349.4	2108.1	-2008795.8
37.	5470.2	18217.8	-3.5	-30320.5	2908.9	-1227271.7
	5470.2	18217.5	-2.0	-32104.5	2186.9	-1227253.2
74.	5470.2	12393.1	-4.0	-29086.2	3045.9	-660924.8
	5470.2	12392.8	-1.8	-30874.6	2255.8	-660916.3
111.	5470.2	6556.3	-4.7	-27866.0	3205.3	-310330.6
	5470.2	6556.1	-1.6	-29659.7	2317.5	-310332.3
148.	5470.2	712.6	-5.7	-26659.9	3397.4	-175841.2
	5470.2	712.3	-1.4	-28459.9	2373.2	-175853.5
185.	5470.2	-5133.2	-6.9	-25467.9	3630.4	-257622.3
	5470.2	-5133.4	-1.2	-27275.1	2422.3	-257645.3
222.	5470.2	-10976.3	-8.2	-24289.9	3910.1	-555661.5
	5470.2	-10976.6	-0.9	-26105.3	2462.6	-555695.5
259.	5470.2	-16812.2	-9.6	-23126.1	4239.2	-1069777.0
	5470.2	-16812.5	-0.5	-24950.6	2490.0	-1069822.4
296.	5470.2	-22636.8	-10.9	-21976.3	4617.8	-1799626.2
	5470.2	-22637.2	0.1	-23810.9	2498.8	-1799683.3
Asta	229	nodì	142	143		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	6914.9	27683.3	5.0	-21033.9	2222.3	-1785008.7
	6915.6	27683.1	-5.2	-21208.1	-132.1	-1785021.6

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44.	6914.9	20707.7	3.6	-19667.4	2032.8	-709906.9
	6915.6	20707.4	-4.2	-19854.4	78.3	-709931.1
89.	6914.9	13755.8	2.4	-18312.8	1900.6	55737.8
	6915.6	13755.6	-2.8	-18512.7	236.0	55701.7
133.	6914.9	6829.5	1.6	-16970.1	1812.6	513020.3
	6915.6	6829.2	-1.1	-17183.1	325.5	512971.8
178.	6914.9	-69.7	1.2	-15639.3	1753.1	663109.4
	6915.6	-70.0	0.9	-15865.6	330.8	663048.1
222.	6914.9	-6940.1	1.2	-14320.3	1703.4	507248.3
	6915.6	-6940.5	3.4	-14560.1	236.0	507173.9
267.	6914.9	-13780.0	1.7	-13013.3	1642.2	46755.6
	6915.6	-13780.3	6.2	-13266.8	24.9	46667.6
311.	6914.9	-20587.7	2.8	-11718.2	1545.7	-716974.6
	6915.6	-20588.0	9.3	-11985.4	-318.6	-717076.4
356.	6914.9	-27361.4	4.5	-10434.9	1387.5	-1782471.8
	6915.6	-27361.7	12.9	-10716.2	-810.5	-1782587.4
Asta	230	nodì	143	144		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	6358.8	22427.2	10.6	-7886.9	-507.8	-1761646.5
	6360.1	22426.8	5.8	-6504.1	-2581.6	-1761720.7
37.	6358.8	16805.5	12.5	-6822.5	-933.9	-1034699.2
	6360.1	16805.0	9.0	-5451.1	-2854.9	-1034790.0
74.	6358.8	11212.9	14.9	-5760.1	-1439.8	-515579.7
	6360.1	11212.5	12.4	-4399.4	-3250.8	-515686.9
111.	6358.8	5653.8	17.7	-4699.6	-2042.7	-203127.7
	6360.1	5653.4	16.0	-3348.9	-3775.9	-203250.8
148.	6358.8	132.3	21.0	-3641.1	-2758.7	-96025.6
	6360.1	131.9	19.6	-2299.6	-4435.0	-96163.9
185.	6358.8	-5347.3	24.6	-2584.4	-3602.5	-192801.2
	6360.1	-5347.7	23.3	-1251.5	-5229.6	-192953.8
222.	6358.8	-10781.1	28.5	-1529.7	-4586.5	-491829.8
	6360.1	-10781.5	26.8	-204.6	-6158.1	-491995.7
259.	6358.8	-16165.1	32.7	-477.0	-5720.2	-991337.2
	6360.1	-16165.4	30.1	841.0	-7214.5	-991514.8
297.	6358.8	-21495.2	36.9	573.9	-7009.2	-1689401.3
	6360.1	-21495.4	33.1	1885.5	-8388.2	-1689588.9
Asta	231	nodì	144	145		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	5568.8	19605.1	61.7	9562.6	-7667.7	-1744408.7
	5570.7	19604.7	69.3	10908.7	-8737.7	-1744568.2
34.	5568.8	14819.5	65.5	10518.0	-9806.3	-1165784.6
	5570.7	14819.1	71.5	11858.9	-11105.8	-1165957.9
67.	5568.8	10085.9	69.2	11479.3	-12071.9	-747215.4
	5570.7	10085.6	73.2	12815.6	-13541.4	-747400.3
101.	5568.8	5408.6	72.7	12446.4	-14458.6	-486877.9
	5570.7	5408.4	74.3	13778.7	-16023.7	-487072.1
135.	5568.8	791.9	75.7	13419.4	-16954.6	-382807.0
	5570.7	791.7	74.4	14748.2	-18525.7	-383007.6
168.	5568.8	-3760.5	78.0	14398.3	-19541.5	-432902.0
	5570.7	-3760.5	73.3	15724.2	-21013.1	-433105.9
202.	5568.8	-8244.7	79.4	15383.0	-22192.3	-634934.4
	5570.7	-8244.6	70.9	16706.6	-23442.2	-635137.9
235.	5568.8	-12657.3	79.6	16373.6	-24870.0	-986554.8
	5570.7	-12657.1	66.6	17695.5	-25758.8	-986753.7
269.	5568.8	-16995.1	78.1	17370.0	-27526.1	-1485299.5
	5570.7	-16994.7	60.2	18690.8	-27896.4	-1485489.3
Asta	232	nodì	131	146		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	2571.0	13604.6	940.9	187859.2	228321.8	-172094.9
	2602.6	13606.7	955.4	187652.2	235232.7	-171626.6
45.	2571.0	8904.0	1042.7	187151.1	184225.5	329565.0
	2602.6	8905.4	1059.3	186943.0	190440.0	330111.8
89.	2571.0	4160.4	1175.9	186585.2	134922.1	620835.8
	2602.6	4161.2	1193.8	186375.8	140365.6	621429.1
134.	2571.0	-634.8	1346.9	186161.4	78861.7	699595.2
	2602.6	-634.6	1365.4	185950.7	83490.5	700207.8
178.	2571.0	-5486.7	1559.4	185879.7	14264.4	563416.4
	2602.6	-5487.0	1578.3	185667.5	18057.8	564025.6
223.	2571.0	-10396.9	1814.5	185740.3	-60754.2	209724.7
	2602.6	-10397.6	1833.3	185526.3	-57801.8	210312.1
267.	2571.0	-15363.4	2110.2	185743.0	-148058.2	-364046.3
	2602.6	-15364.4	2128.9	185527.2	-145942.3	-363495.1
312.	2571.0	-20380.8	2442.0	185887.8	-249365.7	-1160298.7
	2602.6	-20382.0	2460.4	185670.0	-248076.4	-1159794.4
357.	2571.0	-25440.2	2802.2	186174.9	-366124.0	-2181113.5
	2602.6	-25441.5	2820.3	185954.8	-365649.1	-2180663.4
Asta	233	nodì	146	119		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	2149.5	16482.2	-2019.7	124212.3	-354236.5	-2197381.4
	2156.7	16482.2	-2013.4	124568.3	-353304.9	-2196898.4
39.	2149.5	12029.5	-1688.9	124562.7	-281883.6	-1641343.4
	2156.7	12029.4	-1682.8	124916.8	-281194.2	-1640862.9
78.	2149.5	7563.4	-1350.4	124987.0	-222603.1	-1259253.5
	2156.7	7563.3	-1344.6	125339.4	-222145.8	-1258776.7
117.	2149.5	3093.4	-1010.2	125485.3	-176573.9	-1051450.1
	2156.7	3093.4	-1004.6	125836.2	-176339.2	-1050976.3
156.	2149.5	-1369.9	-673.5	126057.5	-143759.4	-1017879.9
	2156.7	-1369.9	-668.1	126407.2	-143739.0	-1017406.9
195.	2149.5	-5815.9	-344.7	126703.7	-123935.8	-1158077.9
	2156.7	-5815.8	-339.5	127052.3	-124122.9	-1157601.7

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234.	2149.5	-10233.2	-27.5	127423.8	-116720.1	-1471146.8
	2156.7	-10232.9	-22.4	127771.6	-117109.3	-1470662.2
273.	2149.5	-14609.8	275.0	128217.9	-121598.3	-1955736.3
	2156.7	-14609.3	280.1	128565.0	-122185.4	-1955236.7
312.	2149.5	-18933.5	560.7	129086.0	-137953.2	-2610022.8
	2156.7	-18932.8	565.7	129432.6	-138735.0	-2609500.5

Asta	234	nod	119	118		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-349.4	35870.2	-1658.1	48731.1	-146600.2	-2987914.6
	-368.8	35866.5	-1648.9	48812.7	-145954.0	-2987139.7
76.	-349.4	27621.7	-1154.3	50558.7	-40094.1	-574797.6
	-368.8	27618.5	-1145.2	50639.7	-40146.8	-574289.1
152.	-349.4	19609.6	-723.3	52511.4	30851.0	1220051.3
	-368.8	19606.9	-714.3	52591.9	30110.3	1220331.7
228.	-349.4	11801.6	-365.0	54589.1	71783.4	2413505.4
	-368.8	11799.4	-356.2	54669.4	70366.4	2413599.9
304.	-349.4	4145.6	-77.0	56791.9	88160.5	3019236.6
	-368.8	4144.1	-68.7	56872.2	86089.5	3019189.6
380.	-349.4	-3429.6	145.4	59119.8	85164.7	3046222.8
	-368.8	-3430.6	152.8	59200.2	82489.0	3046080.1
456.	-349.4	-11015.4	309.6	61572.8	67517.5	2497255.3
	-368.8	-11015.7	315.3	61653.5	64338.1	2497063.9
532.	-349.4	-18722.5	425.3	64150.9	39294.8	1367446.4
	-368.8	-18722.1	427.8	64232.0	35796.5	1367254.5
609.	-349.4	-26681.2	504.6	66854.0	3741.5	-357263.4
	-368.8	-26680.2	502.0	66935.8	232.7	-357405.2

Asta	236	nod	132	131		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	3277.4	25213.4	-257.0	-186476.6	11544.1	-2073686.0
	3290.6	25214.0	-255.2	-185686.4	9938.2	-2073367.9
53.	3277.4	20009.3	-300.4	-184593.8	26163.1	-882165.0
	3290.6	20009.7	-300.0	-183811.4	24491.2	-881821.2
105.	3277.4	14767.6	-358.2	-182903.0	43451.2	34134.3
	3290.6	14767.6	-361.0	-182127.6	41834.2	34490.6
158.	3277.4	9494.9	-428.9	-181404.4	64134.3	673425.8
	3290.6	9494.6	-436.9	-180635.1	62793.1	673776.5
211.	3277.4	4193.1	-509.4	-180097.8	88818.1	1034148.4
	3290.6	4192.3	-524.6	-179333.9	88078.5	1034470.4
263.	3277.4	-1140.7	-594.9	-178983.4	117899.3	1114714.4
	3290.6	-1142.1	-619.3	-178223.9	118194.2	1114979.2
316.	3277.4	-6514.1	-678.8	-178061.0	151477.0	913257.4
	3290.6	-6516.2	-714.5	-177305.2	153344.9	913430.8
369.	3277.4	-11939.6	-753.1	-177330.6	189263.9	427380.2
	3290.6	-11942.5	-801.8	-176577.8	193344.9	427422.1
422.	3277.4	-17434.6	-807.9	-176792.4	230497.6	-346097.3
	3290.6	-17438.4	-871.3	-176041.7	237525.4	-346232.6

Asta	237	nod	133	132		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	3524.0	17656.1	-578.8	-208696.2	-106560.4	-358753.4
	3536.9	17654.5	-622.6	-209642.4	-110638.0	-358537.4
58.	3524.0	12353.2	-477.1	-204634.8	-75943.5	512409.9
	3536.9	12352.1	-507.2	-205580.8	-77883.8	512549.9
116.	3524.0	7044.3	-385.9	-200824.1	-50954.1	1075641.6
	3536.9	7043.6	-404.2	-201771.2	-51496.0	1075731.4
174.	3524.0	1703.0	-310.5	-197264.2	-30820.9	1329795.7
	3536.9	1702.6	-318.7	-198213.5	-30602.4	1329856.3
232.	3524.0	-3690.8	-254.4	-193955.1	-14520.1	1272378.1
	3536.9	-3691.0	-254.4	-194907.9	-14074.0	1272425.5
290.	3524.0	-9150.9	-220.0	-190896.7	-854.9	899911.5
	3536.9	-9150.9	-213.6	-191854.2	-604.9	899956.3
348.	3524.0	-14684.7	-208.1	-188089.1	11465.2	208299.9
	3536.9	-14684.6	-197.4	-189052.6	11207.5	208347.6
406.	3524.0	-20293.5	-218.4	-185532.3	23745.5	-806806.0
	3536.9	-20293.5	-205.3	-186502.9	22782.7	-806755.5
465.	3524.0	-25972.3	-249.1	-183226.2	37226.5	-2149644.8
	3536.9	-25972.4	-235.5	-184205.2	35476.8	-2149596.8

Asta	238	nod	135	134		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	5035.6	26288.3	385.7	225447.1	44507.2	-2427975.6
	5031.6	26289.0	384.6	226209.8	44205.9	-2427697.5
58.	5035.6	20820.8	229.5	226375.0	26757.4	-1060421.8
	5031.6	20821.3	230.0	227128.4	26464.2	-1060109.2
116.	5035.6	15378.4	96.3	227601.5	17416.3	-9670.6
	5031.6	15378.7	97.0	228346.5	17079.8	-9336.2
174.	5035.6	9972.6	-12.4	229126.5	15103.5	726107.7
	5031.6	9972.6	-12.8	229864.2	14750.7	726448.7
232.	5035.6	4607.0	-94.6	230950.1	18339.6	1149179.0
	5031.6	4606.6	-97.5	231681.5	18077.3	1149509.0
290.	5035.6	-722.5	-148.3	233072.3	25532.8	1261798.1
	5031.6	-723.2	-155.1	233798.2	25548.1	1262096.2
348.	5035.6	-6027.5	-171.3	235493.1	34965.5	1065759.9
	5031.6	-6028.7	-183.4	236214.5	35525.1	1066001.7
406.	5035.6	-11327.7	-161.0	238212.5	44780.9	561951.2
	5031.6	-11329.4	-179.7	238930.4	46228.2	562108.4
465.	5035.6	-16650.2	-114.8	241230.5	52969.5	-250097.2
	5031.6	-16652.5	-141.2	241945.7	55720.9	-250056.9

Asta	239	nod	136	135		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	5152.2	13257.2	1698.2	308210.9	395867.3	-521336.1

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49.	5150.5	13259.5	1664.0	307311.1	392827.2	-521618.8
	5152.2	8870.3	1540.8	306757.2	316274.0	21603.3
	5150.5	8872.4	1515.4	305855.6	314690.8	21428.3
98.	5152.2	4448.5	1357.1	305585.0	245107.5	348488.0
	5150.5	4450.5	1339.7	304680.7	244567.9	348414.1
147.	5152.2	-14.6	1160.3	304694.4	183324.0	457433.4
	5150.5	-12.8	1150.0	303786.5	183458.6	457454.0
196.	5152.2	-4521.6	961.1	304085.3	131293.6	346334.1
	5150.5	-4519.8	956.9	303173.1	131778.6	346442.5
245.	5152.2	-9070.7	767.9	303757.8	88918.0	13064.1
	5150.5	-9069.1	768.9	302840.3	89476.5	13253.7
294.	5152.2	-13656.2	586.6	303711.9	55748.9	-544322.9
	5150.5	-13654.8	591.8	302788.3	56151.3	-544058.7
343.	5152.2	-18268.5	420.7	303947.4	31106.1	-1327392.8
	5150.5	-18267.2	429.1	303016.9	31170.4	-1327060.9
393.	5152.2	-22893.6	271.4	304464.5	14195.7	-2337131.5
	5150.5	-22892.4	282.1	303526.2	13786.3	-2336739.1
Asta	240	nodì	138	129		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-9729.3	17556.3	-95.9	103415.7	47669.7	356380.9
	-9722.2	17556.4	-90.1	102850.8	48199.0	356516.7
39.	-9729.3	12440.5	-68.9	106775.0	50883.3	940585.4
	-9722.2	12440.4	-59.7	106213.6	51123.0	940723.7
78.	-9729.3	7256.0	-39.6	110202.8	53004.5	1324291.1
	-9722.2	7255.7	-26.0	109644.6	52803.5	1324422.9
117.	-9729.3	1992.4	-6.8	113699.1	53921.0	1504617.6
	-9722.2	1991.9	12.1	113143.9	53090.9	1504732.8
156.	-9729.3	-3358.9	30.7	117264.1	53473.7	1478311.9
	-9722.2	-3359.8	55.8	116711.4	51788.9	1478398.9
195.	-9729.3	-8805.7	73.9	120897.6	51457.9	1241801.5
	-9722.2	-8807.0	106.3	120347.2	48656.8	1241847.2
234.	-9729.3	-14354.1	124.2	124599.7	47625.3	791247.6
	-9722.2	-14355.7	164.5	124051.2	43412.2	791237.6
273.	-9729.3	-20008.7	182.3	128370.3	41685.7	122598.6
	-9722.2	-20010.8	231.4	127823.5	35733.9	122516.9
312.	-9729.3	-25773.1	249.5	132209.6	33308.2	-768356.4
	-9722.2	-25775.6	308.0	131664.0	25264.7	-768527.2
Asta	241	nodì	139	138		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-11191.4	21238.3	-330.6	29572.7	-9774.9	78072.5
	-11186.8	21238.3	-316.1	29257.1	-6255.6	78138.6
41.	-11191.4	16034.8	-282.5	32865.2	2777.7	842099.6
	-11186.8	16034.9	-271.3	32555.0	5773.0	842168.0
82.	-11191.4	10847.2	-239.0	36185.5	13453.5	1393145.3
	-11186.8	10847.3	-230.3	35880.5	16043.5	1393217.4
123.	-11191.4	5664.6	-199.8	39533.6	22434.6	1731637.6
	-11186.8	5664.7	-193.0	39233.6	24710.0	1731713.6
164.	-11191.4	476.2	-164.6	42909.6	29892.0	1857562.2
	-11186.8	476.2	-158.8	42614.3	31912.5	1857640.7
205.	-11191.4	-4729.1	-132.7	46313.3	35976.9	1770453.5
	-11186.8	-4729.2	-127.2	46022.6	37768.6	1770531.9
246.	-11191.4	-9962.7	-103.5	49744.9	40812.1	1469386.3
	-11186.8	-9962.9	-97.2	49458.6	42365.1	1469460.6
287.	-11191.4	-15236.1	-75.8	53204.2	44483.0	952967.3
	-11186.8	-15236.4	-67.9	52922.1	45749.4	953032.0
328.	-11191.4	-20560.9	-48.4	56691.4	47028.5	219326.0
	-11186.8	-20561.4	-37.9	56413.3	47921.4	219374.2
Asta	242	nodì	128	139		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-8041.1	23815.3	-696.6	-30515.6	-163213.3	-728697.4
	-8038.1	23814.5	-676.6	-29256.5	-159926.6	-728671.3
38.	-8041.1	18539.8	-648.4	-27365.1	-137339.2	85095.5
	-8038.1	18539.2	-633.9	-26106.2	-134715.2	85094.1
77.	-8041.1	13332.0	-593.7	-24224.8	-113451.9	697419.7
	-8038.1	13331.7	-584.6	-22965.5	-111282.1	697400.5
115.	-8041.1	8189.2	-535.5	-21094.8	-91742.5	1110829.4
	-8038.1	8189.1	-531.5	-19834.3	-89824.5	1110801.3
154.	-8041.1	3107.3	-476.1	-17975.0	-72300.0	1327747.6
	-8038.1	3107.4	-477.1	-16712.6	-70439.0	1327718.2
192.	-8041.1	-1918.8	-417.6	-14865.4	-55128.7	1350420.3
	-8038.1	-1918.6	-423.2	-13600.5	-53139.8	1350396.1
231.	-8041.1	-6895.7	-361.4	-11766.1	-40167.5	1180870.0
	-8038.1	-6895.3	-371.3	-10497.9	-37877.3	1180856.6
269.	-8041.1	-11830.8	-308.4	-8677.0	-27307.1	820850.7
	-8038.1	-11830.3	-322.3	-7404.8	-24556.0	820852.6
308.	-8041.1	-16732.9	-259.3	-5598.2	-16408.9	271801.7
	-8038.1	-16732.4	-276.8	-4321.2	-13053.1	271822.3
Asta	243	nodì	133	129		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-850.3	18020.2	-7.3	-315545.0	92603.4	142986.5
	-843.6	18008.0	-21.1	-315542.6	96328.6	145677.4
45.	-850.3	13807.8	63.6	-315482.2	91346.9	853179.4
	-843.6	13796.0	51.8	-315480.4	95640.5	855335.5
89.	-850.3	9311.8	135.6	-315661.7	86920.1	1369394.8
	-843.6	9300.3	125.1	-315660.4	91708.6	1371030.9
134.	-850.3	4517.8	212.2	-316083.4	79193.6	1678669.0
	-843.6	4506.4	202.2	-316082.7	84435.8	1679795.6
178.	-850.3	-588.2	296.0	-316747.4	67902.9	1767409.0
	-843.6	-599.5	286.2	-316747.2	73583.1	1768031.2
223.	-850.3	-6019.0	389.3	-317653.6	52672.2	1621422.7

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267.	-843.6	-6030.4	379.3	-317654.0	58792.5	1621539.5
	-850.3	-11787.3	493.8	-318802.0	33038.6	1225950.3
	-843.6	-11798.9	483.6	-318803.0	39610.1	1225554.7
312.	-850.3	-17904.6	610.7	-320192.8	8476.1	565695.5
	-843.6	-17916.6	600.3	-320194.3	15509.2	564774.1
357.	-850.3	-24381.9	740.5	-321825.7	-21580.8	-375143.8
	-843.6	-24394.4	730.3	-321827.9	-14086.1	-376610.1
Asta	244	nodì	134	128		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-381.8	17886.7	406.6	248046.6	60247.8	123664.2
	-382.3	17888.1	401.3	248065.5	62852.1	124371.9
45.	-381.8	13680.7	416.5	247742.2	41998.7	827807.7
	-382.3	13681.7	413.5	247760.6	44785.1	828565.5
89.	-381.8	9257.3	451.8	247627.5	22750.4	1339729.9
	-382.3	9257.9	450.6	247645.3	25629.0	1340522.1
134.	-381.8	4602.5	514.3	247702.4	1325.5	1649428.3
	-382.3	4603.0	514.4	247719.7	4229.2	1650244.7
178.	-381.8	-297.2	604.4	247966.9	-23498.9	1746289.2
	-382.3	-296.8	605.3	247983.7	-20618.7	1747124.7
223.	-381.8	-5454.8	721.4	248421.1	-52940.8	1619107.5
	-382.3	-5454.4	723.0	248437.4	-50118.7	1619961.8
267.	-381.8	-10883.0	863.5	249065.0	-88163.9	1256107.0
	-382.3	-10882.4	865.5	249080.8	-85424.6	1256984.2
312.	-381.8	-16593.9	1027.8	249898.4	-130227.8	644959.8
	-382.3	-16593.0	1030.3	249913.8	-127590.1	645868.0
357.	-381.8	-22599.1	1210.4	250921.6	-180038.0	-227193.6
	-382.3	-22598.0	1213.2	250936.5	-177519.3	-226242.9
Asta	245	nodì	147	114		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-4590.3	21931.1	5567.9	354066.2	788384.0	-397870.2
	-4570.5	21925.6	5575.3	354063.1	788571.9	-396416.4
76.	-4590.3	16801.1	4195.0	346832.9	417692.9	1075334.9
	-4570.5	16796.2	4202.5	346830.1	417314.2	1076390.3
152.	-4590.3	11590.8	2946.2	340325.4	147061.5	2155960.9
	-4570.5	11586.4	2954.0	340322.8	146100.8	2156660.1
228.	-4590.3	6194.1	1868.5	334543.5	-34852.7	2833858.7
	-4570.5	6190.1	1876.5	334541.2	-36412.4	2834239.4
304.	-4590.3	505.4	991.0	329487.2	-142279.4	3090830.8
	-4570.5	501.7	998.9	329485.2	-144444.7	3090922.9
380.	-4590.3	-5580.2	324.9	325156.7	-190982.7	2900676.4
	-4570.5	-5583.6	332.1	325154.8	-193730.1	2900500.1
456.	-4590.3	-12166.9	-136.4	321551.8	-196907.1	2229237.3
	-4570.5	-12170.3	-130.7	321550.2	-200156.9	2228802.2
532.	-4590.3	-19358.6	-417.1	318672.5	-174824.4	1034442.2
	-4570.5	-19362.1	-414.4	318671.2	-178406.7	1033748.4
609.	-4590.3	-27258.4	-559.3	316519.0	-136980.5	-733647.3
	-4570.5	-27262.0	-561.6	316517.8	-140594.3	-734607.1
Asta	246	nodì	148	147		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-6856.1	9153.6	823.6	-184225.8	248085.2	265663.8
	-6858.5	9149.2	828.1	-184000.5	249298.3	266557.7
39.	-6856.1	6384.1	288.6	-187253.7	226233.0	568528.1
	-6858.5	6379.8	293.2	-187029.2	227268.1	569253.1
78.	-6856.1	3648.5	-295.4	-190397.2	226211.2	764062.4
	-6858.5	3644.5	-290.9	-190173.4	227069.3	764627.1
117.	-6856.1	940.9	-924.4	-193656.2	249859.5	853473.6
	-6858.5	937.2	-919.9	-193433.1	250542.7	853887.1
156.	-6856.1	-1743.7	-1592.4	-197030.9	298821.6	837752.9
	-6858.5	-1747.2	-1588.0	-196808.2	299332.3	838025.0
195.	-6856.1	-4410.0	-2291.9	-200521.1	374478.6	717701.9
	-6858.5	-4413.3	-2287.6	-200298.7	374818.9	717842.8
234.	-6856.1	-7061.8	-3013.6	-204127.0	477881.5	493959.0
	-6858.5	-7064.8	-3009.3	-203904.8	478052.5	493979.1
273.	-6856.1	-9702.3	-3746.3	-207848.4	609683.6	167025.5
	-6858.5	-9705.0	-3742.0	-207626.2	609685.6	166935.3
312.	-6856.1	-12334.0	-4477.4	-211685.4	770073.8	-262708.4
	-6858.5	-12336.4	-4473.0	-211463.2	769905.7	-262898.0
Asta	247	nodì	136	148		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1617.7	18140.4	-1333.1	-510982.2	-424802.2	-692840.3
	-1642.1	18131.2	-1333.3	-511140.7	-421960.7	-690401.5
45.	-1617.7	14229.1	-1380.8	-511421.2	-364492.5	27942.7
	-1642.1	14219.9	-1378.6	-511579.9	-361697.0	29972.7
89.	-1617.7	10437.5	-1478.8	-512254.3	-300991.1	577103.3
	-1642.1	10428.3	-1474.9	-512413.2	-298332.1	578723.5
134.	-1617.7	6762.3	-1639.8	-513481.2	-231760.7	959911.6
	-1642.1	6753.2	-1634.6	-513640.5	-229305.7	961123.8
178.	-1617.7	3198.3	-1873.1	-515102.2	-153771.9	1181445.4
	-1642.1	3189.3	-1867.0	-515262.0	-151569.9	1182253.8
223.	-1617.7	-262.2	-2184.7	-517117.1	-63657.5	1246497.2
	-1642.1	-271.0	-2177.9	-517277.5	-61742.4	1246907.3
267.	-1617.7	-3628.5	-2576.8	-519525.9	42134.5	1159479.0
	-1642.1	-3637.2	-2569.7	-519687.0	43740.7	1159497.6
312.	-1617.7	-6912.6	-3048.6	-522328.7	167186.6	924328.9
	-1642.1	-6921.1	-3041.3	-522490.7	168470.9	923963.6
357.	-1617.7	-10128.1	-3595.5	-525525.5	314958.7	544416.2
	-1642.1	-10136.4	-3588.1	-525688.4	315914.9	543675.8
Asta	249	nodì	27	25		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ

Progetto esecutivo

Relazione Tecnica e di Calcolo - Tabulati struttura esistente

0.	569.6	1467.4	-299.6	-543.4	-53260.5	-179597.8
	571.8	1473.2	-305.8	-523.9	-54288.3	-180536.3
39.	569.6	1345.7	-299.6	-543.4	-41576.1	-124743.2
	571.8	1351.5	-305.8	-523.9	-42363.6	-125453.8
78.	569.6	1224.0	-299.6	-543.4	-29891.8	-74634.1
	571.8	1229.9	-305.8	-523.9	-30438.9	-75116.9
117.	569.6	1102.3	-299.6	-543.4	-18207.4	-29270.5
	571.8	1108.2	-305.8	-523.9	-18514.2	-29525.5
156.	569.6	980.6	-299.6	-543.4	-6523.1	11347.6
	571.8	986.5	-305.8	-523.9	-6589.5	11320.4
195.	569.6	859.0	-299.6	-543.4	5161.3	47220.2
	571.8	864.8	-305.8	-523.9	5335.2	47420.8
234.	569.6	737.3	-299.6	-543.4	16845.7	78347.2
	571.8	743.1	-305.8	-523.9	17259.9	78775.7
273.	569.6	615.6	-299.6	-543.4	28530.0	104728.8
	571.8	621.5	-305.8	-523.9	29184.5	105385.0
312.	569.6	493.9	-299.6	-543.4	40214.4	126364.8
	571.8	499.8	-305.8	-523.9	41109.2	127248.9
Asta	250	nodì	28	26		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1137.2	4116.2	-183.8	3264.2	-39948.6	-281137.9
	-1145.9	4118.2	-192.4	3240.6	-41117.9	-281291.7
39.	-1137.2	3299.5	-183.8	3264.2	-32779.5	-136530.8
	-1145.9	3301.5	-192.4	3240.6	-33613.8	-136608.7
78.	-1137.2	2482.9	-183.8	3264.2	-25610.5	-23773.4
	-1145.9	2484.8	-192.4	3240.6	-26109.7	-23775.4
117.	-1137.2	1666.2	-183.8	3264.2	-18441.4	57134.3
	-1145.9	1668.2	-192.4	3240.6	-18605.6	57208.2
156.	-1137.2	849.6	-183.8	3264.2	-11272.4	106192.2
	-1145.9	851.5	-192.4	3240.6	-11101.5	106342.0
195.	-1137.2	32.9	-183.8	3264.2	-4103.3	123400.4
	-1145.9	34.9	-192.4	3240.6	-3597.4	123626.1
234.	-1137.2	-783.8	-183.8	3264.2	3065.7	108758.8
	-1145.9	-781.8	-192.4	3240.6	3906.7	109060.4
273.	-1137.2	-1600.4	-183.8	3264.2	10234.8	62267.5
	-1145.9	-1598.5	-192.4	3240.6	11410.8	62645.0
312.	-1137.2	-2417.1	-183.8	3264.2	17403.8	-16073.6
	-1145.9	-2415.1	-192.4	3240.6	18914.9	-15620.1
Asta	252	nodì	150	48		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-33661.4	-849.4	-1524.9	-34410.6	-154056.0	237793.6
	-33666.3	-849.4	-1530.4	-34306.5	-152469.0	237879.4
21.	-33576.8	-849.4	-1524.9	-34410.6	-121652.3	219743.2
	-33581.7	-849.4	-1530.4	-34306.5	-119947.6	219829.5
43.	-33492.2	-849.4	-1524.9	-34410.6	-89248.5	201692.7
	-33497.1	-849.4	-1530.4	-34306.5	-87426.2	201779.6
64.	-33407.6	-849.4	-1524.9	-34410.6	-56844.8	183642.3
	-33412.5	-849.4	-1530.4	-34306.5	-54904.7	183729.8
85.	-33323.0	-849.4	-1524.9	-34410.6	-24441.1	165591.8
	-33327.9	-849.4	-1530.4	-34306.5	-22383.3	165679.9
106.	-33238.4	-849.4	-1524.9	-34410.6	7962.7	147541.4
	-33243.3	-849.4	-1530.4	-34306.5	10138.1	147630.0
128.	-33153.8	-849.4	-1524.9	-34410.6	40366.4	129490.9
	-33158.7	-849.4	-1530.4	-34306.5	42659.5	129580.2
149.	-33069.2	-849.4	-1524.9	-34410.6	72770.1	111440.4
	-33074.1	-849.4	-1530.4	-34306.5	75181.0	111530.3
170.	-32984.6	-849.4	-1524.9	-34410.6	105173.9	93390.0
	-32989.5	-849.4	-1530.4	-34306.5	107702.4	93480.4
Asta	254	nodì	152	56		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-55930.6	-1638.4	646.7	-32026.1	130685.0	348521.2
	-55931.8	-1638.3	640.7	-31823.3	131976.5	348479.8
21.	-55846.0	-1638.4	646.7	-32026.1	116942.5	313704.2
	-55847.2	-1638.3	640.7	-31823.3	118361.2	313666.8
43.	-55761.4	-1638.4	646.7	-32026.1	103200.1	278887.1
	-55762.6	-1638.3	640.7	-31823.3	104745.9	278853.7
64.	-55676.8	-1638.4	646.7	-32026.1	89457.7	244070.1
	-55678.0	-1638.3	640.7	-31823.3	91130.6	244040.7
85.	-55592.2	-1638.4	646.7	-32026.1	75715.2	209253.1
	-55593.4	-1638.3	640.7	-31823.3	77515.3	209227.6
106.	-55507.6	-1638.4	646.7	-32026.1	61972.8	174436.0
	-55508.8	-1638.3	640.7	-31823.3	63900.0	174414.6
128.	-55423.0	-1638.4	646.7	-32026.1	48230.4	139619.0
	-55424.2	-1638.3	640.7	-31823.3	50284.6	139601.5
149.	-55338.4	-1638.4	646.7	-32026.1	34487.9	104801.9
	-55339.6	-1638.3	640.7	-31823.3	36669.3	104788.5
170.	-55253.8	-1638.4	646.7	-32026.1	20745.5	69984.9
	-55255.0	-1638.3	640.7	-31823.3	23054.0	69975.5
Asta	256	nodì	150	152		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	642.5	5795.4	-324.1	10450.7	-51011.2	-352059.0
	641.7	5801.4	-324.0	10455.2	-51028.0	-352973.0
39.	642.5	4515.4	-324.1	10450.7	-38372.1	-150999.3
	641.7	4521.4	-324.0	10455.2	-38390.7	-151679.2
78.	642.5	3235.4	-324.1	10450.7	-25733.1	141.3
	641.7	3241.4	-324.0	10455.2	-25753.4	-304.6
117.	642.5	1955.4	-324.1	10450.7	-13094.0	101362.7
	641.7	1961.4	-324.0	10455.2	-13116.2	101150.7
156.	642.5	675.4	-324.1	10450.7	-455.0	152664.8
	641.7	681.4	-324.0	10455.2	-478.9	152686.9

Progetto esecutivo

Relazione Tecnica e di Calcolo - Tabulati struttura esistente

195.	642.5	-604.5	-324.1	10450.7	12184.1	154047.7
	641.7	-598.5	-324.0	10455.2	12158.4	154303.8
234.	642.5	-1884.5	-324.1	10450.7	24823.1	105511.4
	641.7	-1878.5	-324.0	10455.2	24795.7	106001.5
273.	642.5	-3164.5	-324.1	10450.7	37462.2	7055.9
	641.7	-3158.5	-324.0	10455.2	37433.0	7779.9
312.	642.5	-4444.5	-324.1	10450.7	50101.2	-141318.9
	641.7	-4438.5	-324.0	10455.2	50070.3	-140360.8
Asta	257	nodì	148	106		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-19281.7	-4419.0	5236.0	66873.5	278752.5	-341299.7
	-19285.6	-4416.2	5218.8	66616.6	277118.1	-341688.0
10.	-19281.7	-4419.0	5236.0	66873.5	226392.5	-385490.1
	-19285.6	-4416.2	5218.8	66616.6	224929.7	-385850.1
20.	-19281.7	-4419.0	5236.0	66873.5	174032.6	-429680.6
	-19285.6	-4416.2	5218.8	66616.6	172741.4	-430012.2
30.	-19281.7	-4419.0	5236.0	66873.5	121672.7	-473871.0
	-19285.6	-4416.2	5218.8	66616.6	120553.0	-474174.4
40.	-19281.7	-4419.0	5236.0	66873.5	69312.8	-518061.4
	-19285.6	-4416.2	5218.8	66616.6	68364.7	-518336.5
50.	-19281.7	-4419.0	5236.0	66873.5	16952.9	-562251.9
	-19285.6	-4416.2	5218.8	66616.6	16176.3	-562498.6
60.	-19281.7	-4419.0	5236.0	66873.5	-35407.1	-606442.3
	-19285.6	-4416.2	5218.8	66616.6	-36012.0	-606660.7
70.	-19281.7	-4419.0	5236.0	66873.5	-87767.0	-650632.8
	-19285.6	-4416.2	5218.8	66616.6	-88200.4	-650822.9
80.	-19281.7	-4419.0	5236.0	66873.5	-140126.9	-694823.2
	-19285.6	-4416.2	5218.8	66616.6	-140388.7	-694985.0
Asta	258	nodì	147	105		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-34265.1	-10045.3	-2269.1	-18310.2	135161.8	-565751.6
	-34262.0	-10048.3	-2284.7	-18666.2	133518.5	-565526.3
10.	-34265.1	-10045.3	-2269.1	-18310.2	157853.2	-666204.4
	-34262.0	-10048.3	-2284.7	-18666.2	156365.8	-666009.1
20.	-34265.1	-10045.3	-2269.1	-18310.2	180544.5	-766657.2
	-34262.0	-10048.3	-2284.7	-18666.2	179213.1	-766491.8
30.	-34265.1	-10045.3	-2269.1	-18310.2	203235.9	-867110.1
	-34262.0	-10048.3	-2284.7	-18666.2	202060.4	-866974.6
40.	-34265.1	-10045.3	-2269.1	-18310.2	225927.2	-967562.9
	-34262.0	-10048.3	-2284.7	-18666.2	224907.7	-967457.4
50.	-34265.1	-10045.3	-2269.1	-18310.2	248618.5	-1068015.8
	-34262.0	-10048.3	-2284.7	-18666.2	247755.0	-1067940.1
60.	-34265.1	-10045.3	-2269.1	-18310.2	271309.9	-1168468.6
	-34262.0	-10048.3	-2284.7	-18666.2	270602.3	-1168422.9
70.	-34265.1	-10045.3	-2269.1	-18310.2	294001.2	-1268921.5
	-34262.0	-10048.3	-2284.7	-18666.2	293449.6	-1268905.7
80.	-34265.1	-10045.3	-2269.1	-18310.2	316692.6	-1369374.3
	-34262.0	-10048.3	-2284.7	-18666.2	316296.9	-1369388.4

INVILUPPI SOLLECITAZIONI MEMBRATURE SISMORESISTENTI

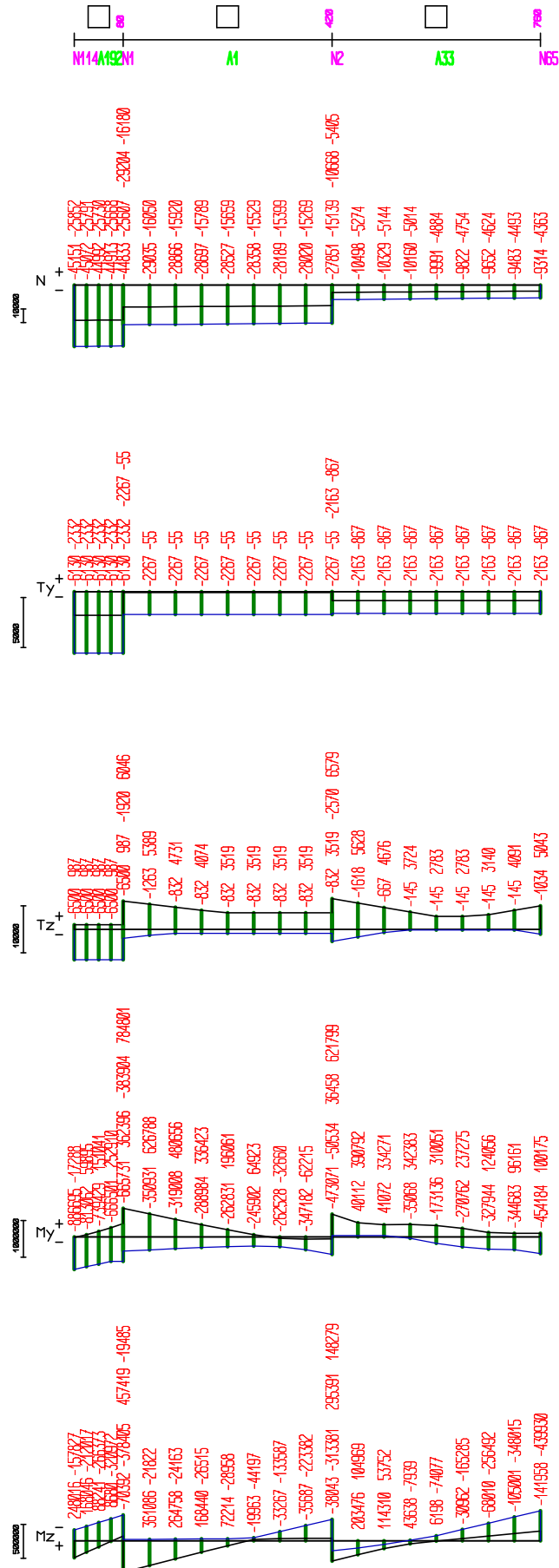
Si riportano nel seguito i diagrammi di inviluppo delle sollecitazioni di tutti i casi di carico considerati (comprese naturalmente le azioni sismiche) delle membrature strutturali esistenti più soggette a fenomeni di rottura fragile per effetto delle sollecitazioni derivanti dal sisma di progetto, ovvero i pilastri, con una selezione degli elementi più rappresentativi e più sollecitati (zona Nord dell'edificio, dove è presente la scala che interrompe il solaio del piano primo e del piano terreno).

Non si riporta il dettaglio tabellare delle sollecitazioni sismiche in quanto sono presenti 26 autovettori per ciascun sestetto di gradi di libertà delle aste, con un numero quindi troppo elevato di dati, di difficile comprensione e in ogni caso non fondamentali per le verifiche strutturali riportate nel seguito, che considerano le sollecitazioni massime e quindi le situazioni maggiormente critiche.


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Unita' di misura: cm; daN; daN/cm; deformato in Micron
CASI DI CARICO:
1 - SLU - - sestetti 1
2 - SLU VENTOX - sestetti 1 2
3 - SLU VENTOT - sestetti 1 2
6 - SLU con SISMAX PRINC - sestetti 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
7 - SLU con SISMAX PRINC - sestetti 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

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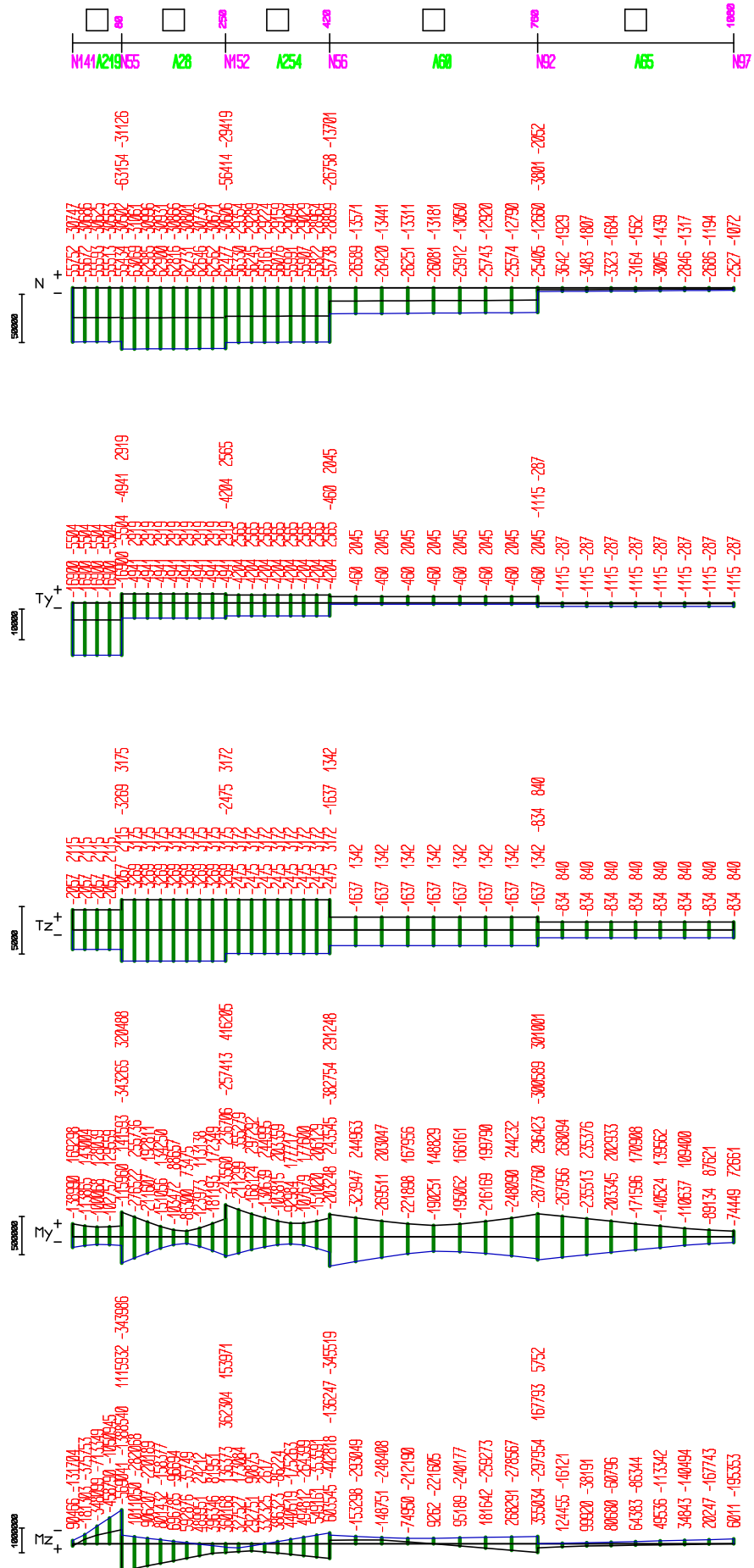


41 - Pilastrata P010

Unita' di misura: cm; del; deN/cm; deformato in Micron

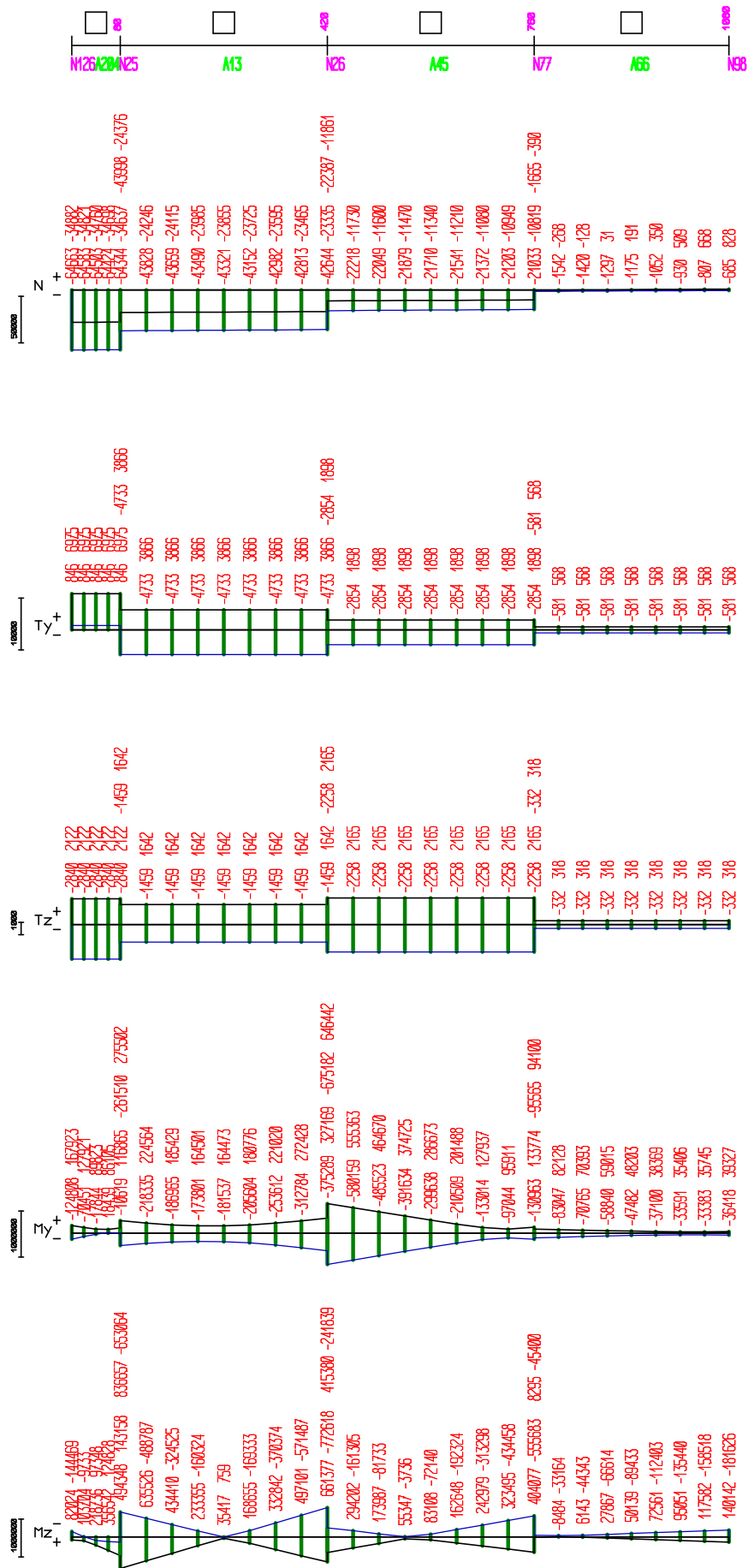
CASI DI CARICO:

- 1 - SLU - sestielli 1
- 2 - SLU VENTOX - sestielli 1 2
- 3 - SLU VENTOX - sestielli 1 2
- 6 - SLU con SISMAX PRINC - sestielli 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
- 7 - SLU con SISMAX PRINC - sestielli 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16



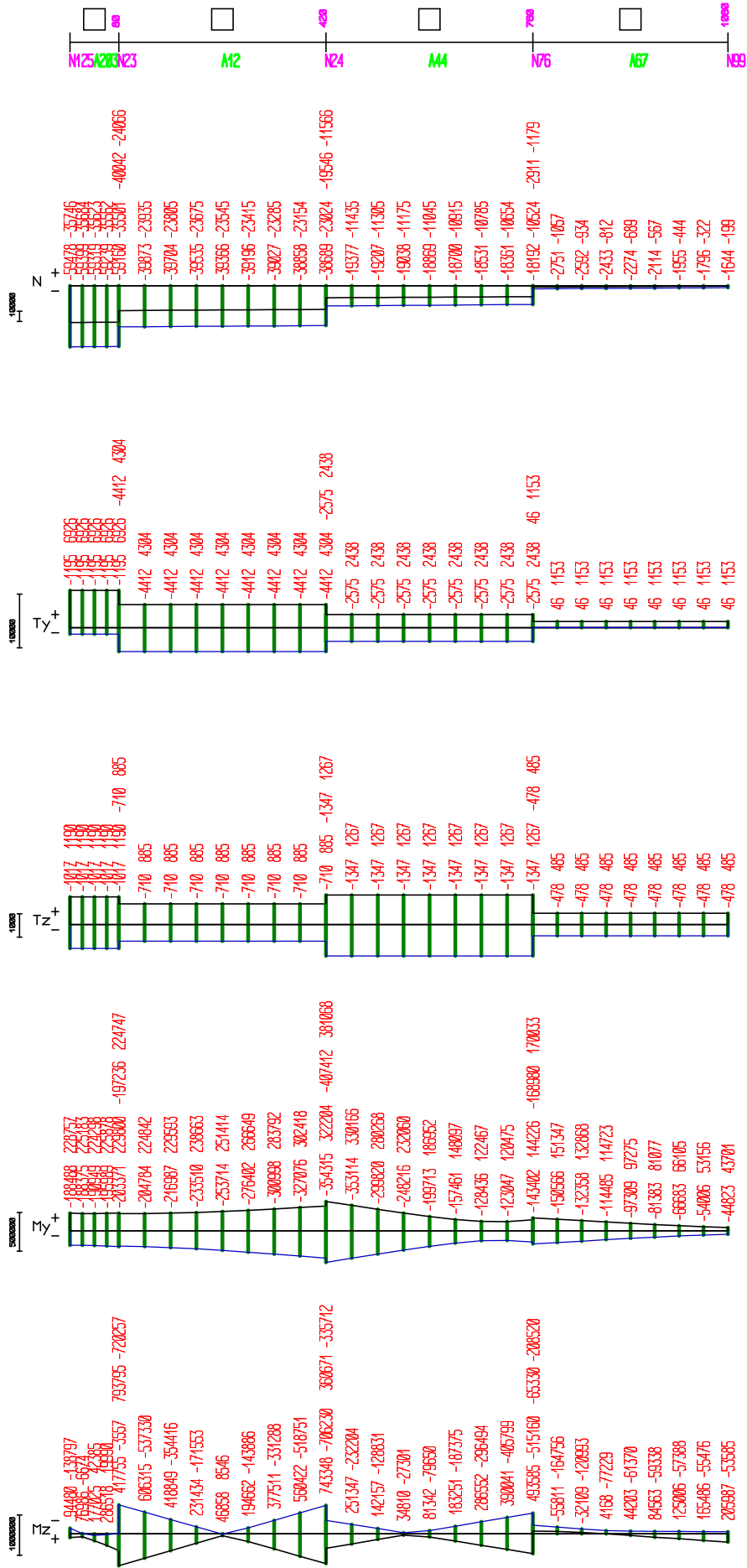
42 - Pilastrata P011

Unita' di misura: cm; daN; daN/cm; deformato in Micron
CASI DI CARICO:
1 - SLU - sestetti 1
2 - SLU VENTOX - sestetti 1 2
3 - SLU VENTOX - sestetti 1 2
6 - SLU con SISMAX PRINC - sestetti 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
7 - SLU con SISMAX PRINC - sestetti 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16



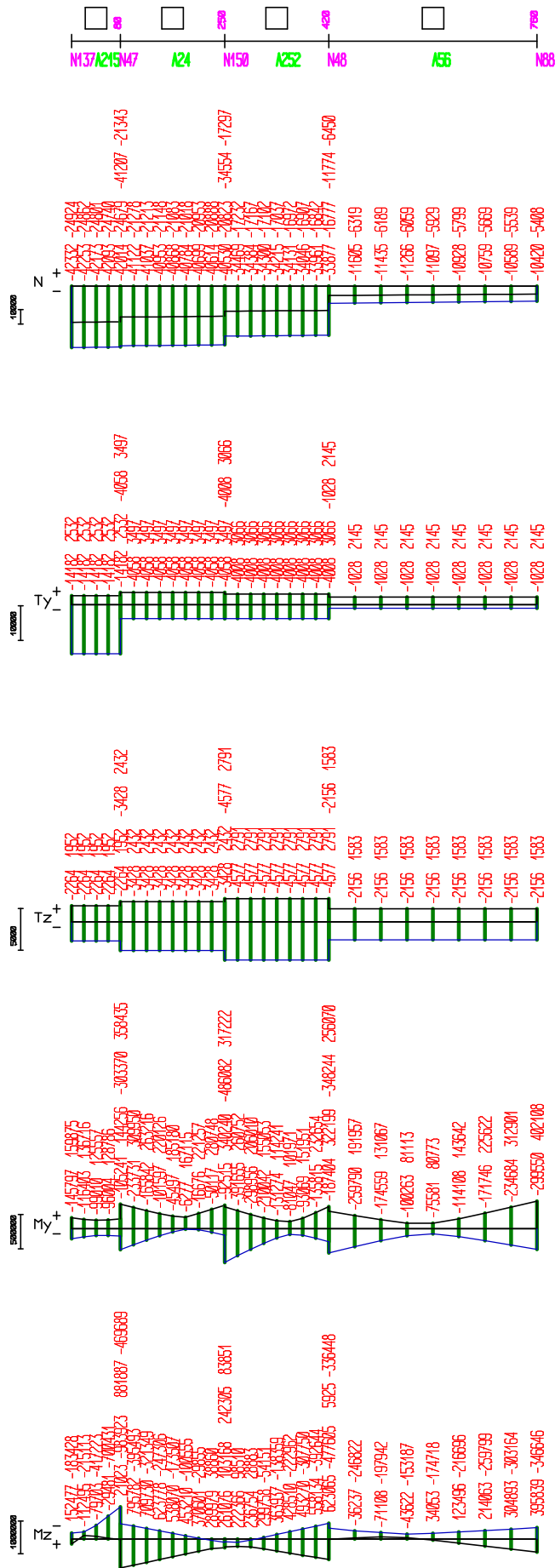
43 - Pilastrata P012

Unita' di misura: cm; daN; daN/cm; deformate in Micron
CASI DI CARICO:
1 - SLU - sestiotti 1
2 - SLU VENTOX - sestiotti 1 2
3 - SLU VENTOTY - sestiotti 1 2
6 - SLU con SISMAX PRINC - sestiotti 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
7 - SLU con SISMAX PRINC - sestiotti 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16



50 - Pilastrata P019

Unita' di misura: cm; daN; daN/cm; deformato in Micron
CASI DI CARICO:
1 - SLU - sestetti 1
2 - SLU VENTOX - sestetti 1 2
3 - SLU VENTOX - sestetti 1 2
6 - SLU con SISHAY PRINC - sestetti 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
7 - SLU con SISHAY PRINC - sestetti 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

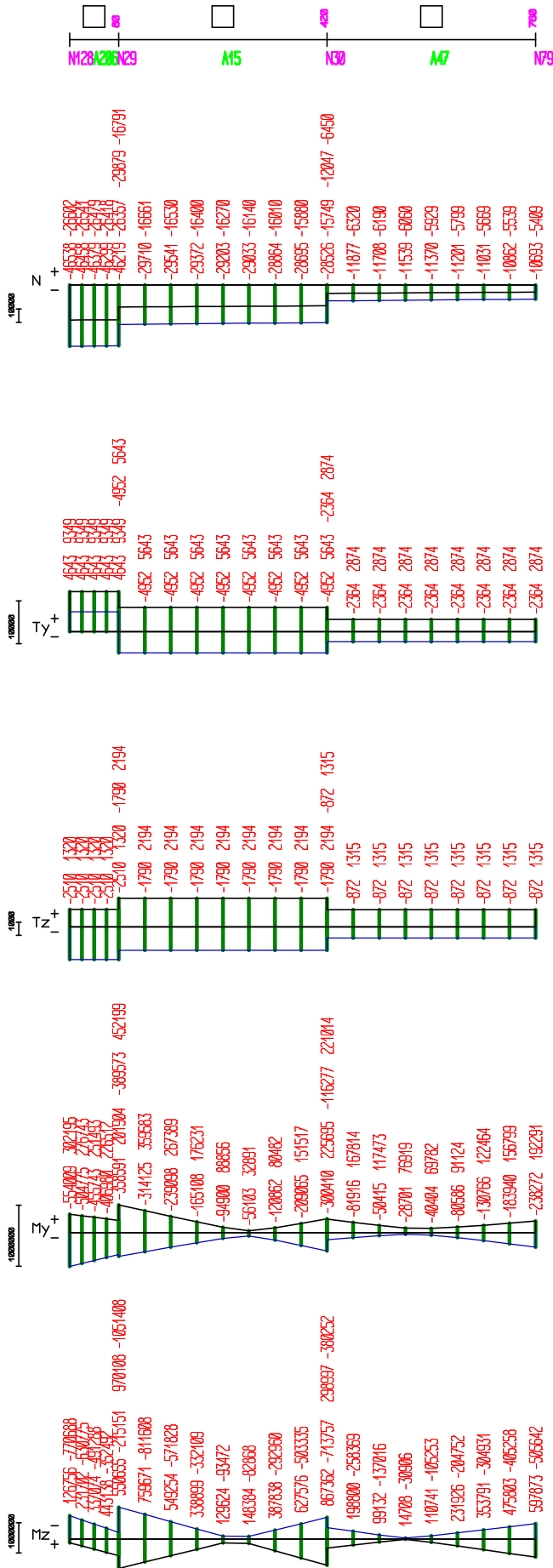


52 - Pilastrata P021

Unità di misure: cm; daN; daN/cm; deformate in Micron

CASI DI CARICO:

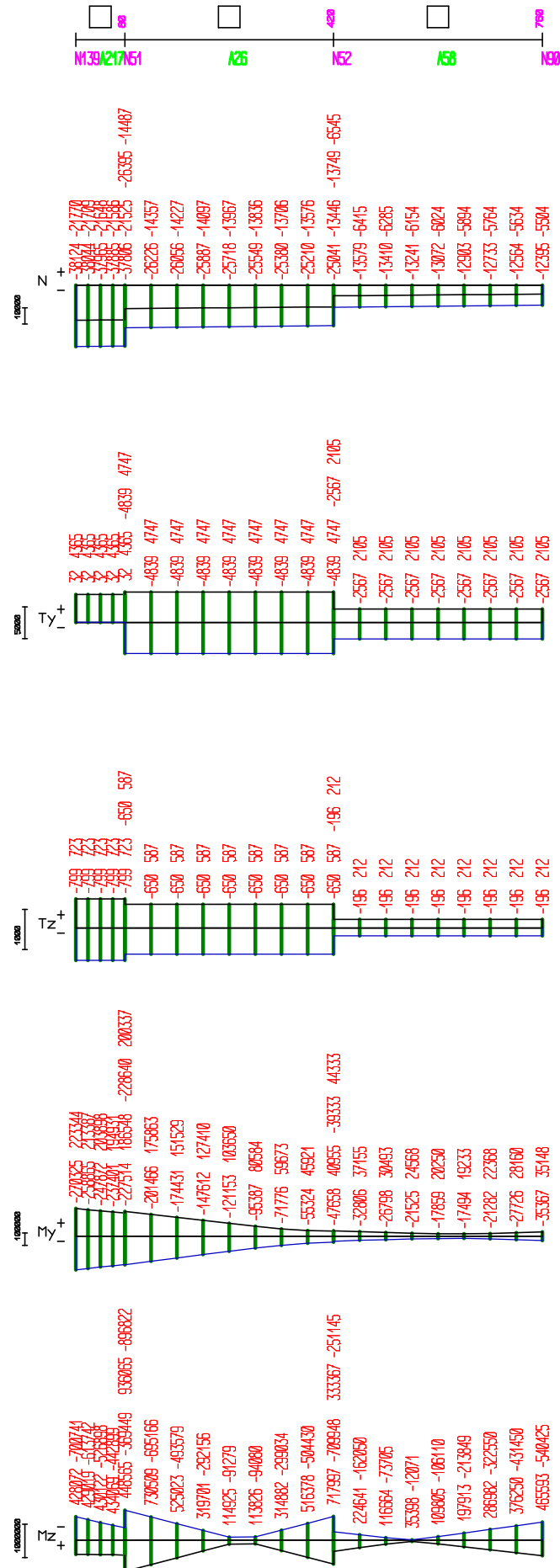
1 - SLU	- sestettili 1
2 - SLU VENTOX	- sestettili 1 2
3 - SLU VENTOX	- sestettili 1 2
6 - SLU con SISHAX PRINC	- sestettili 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
7 - SLU con SISHAX PRINC	- sestettili 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16



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Unita' di misura: cm; daN; daN/cm; deformato in Micron
CASI DI CARICO:
1 - SLU - sestetti 1
2 - SLU VENTOX - sestetti 1 2
3 - SLU VENTOT - sestetti 1 2
6 - SLU con SISIMAX PRINC - sestetti 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
7 - SLU con SISIMAY PRINC - sestetti 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

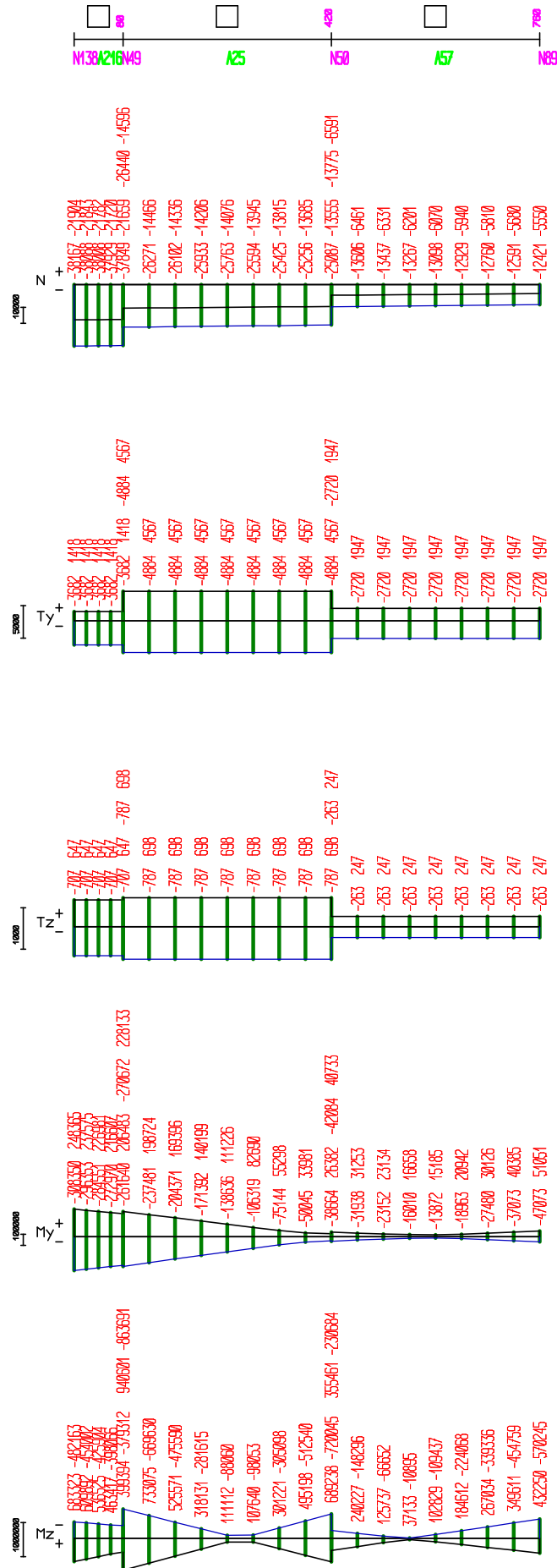
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1 - SLU - sestettl 1
2 - SLU VENTOX - sestettl 1 2
3 - SLU VENTROY - sestettl 1 2
6 - SLU can SISHAX PRINC - sestettl 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
7 - SLU can SISHAY PRINC - sestettl 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

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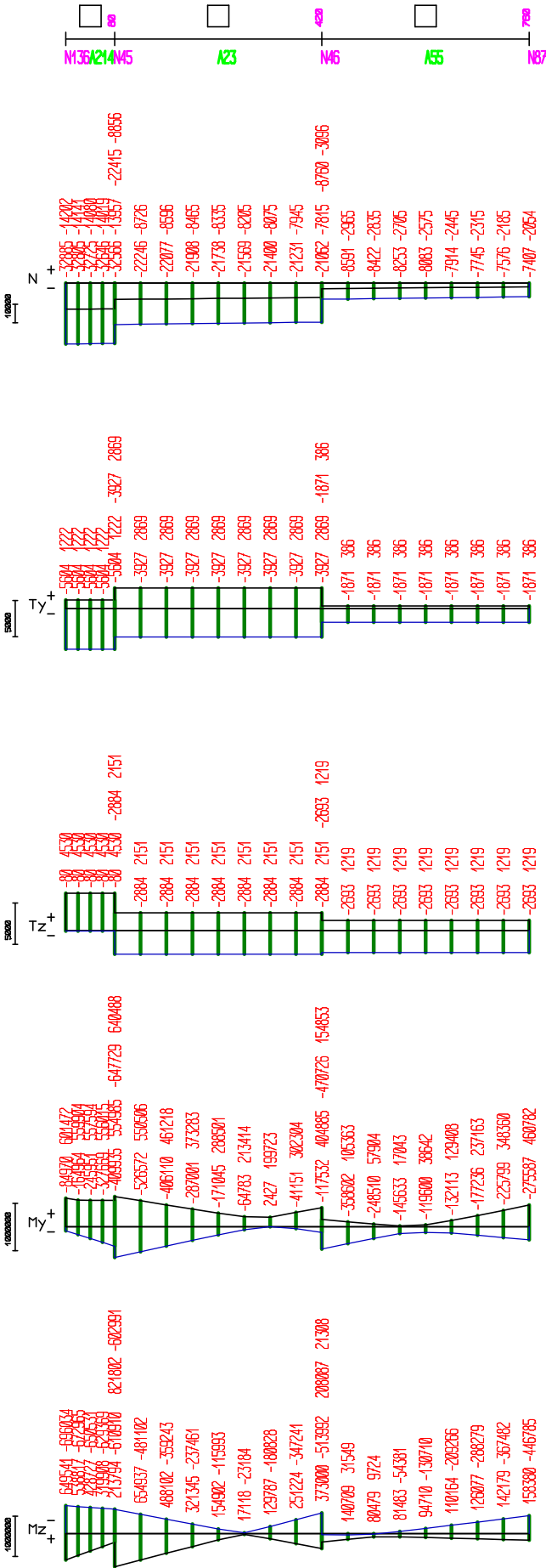


58 - Pilastrata P027

Unita' di misura: cm; daN; daN/cm; deformato in Micron

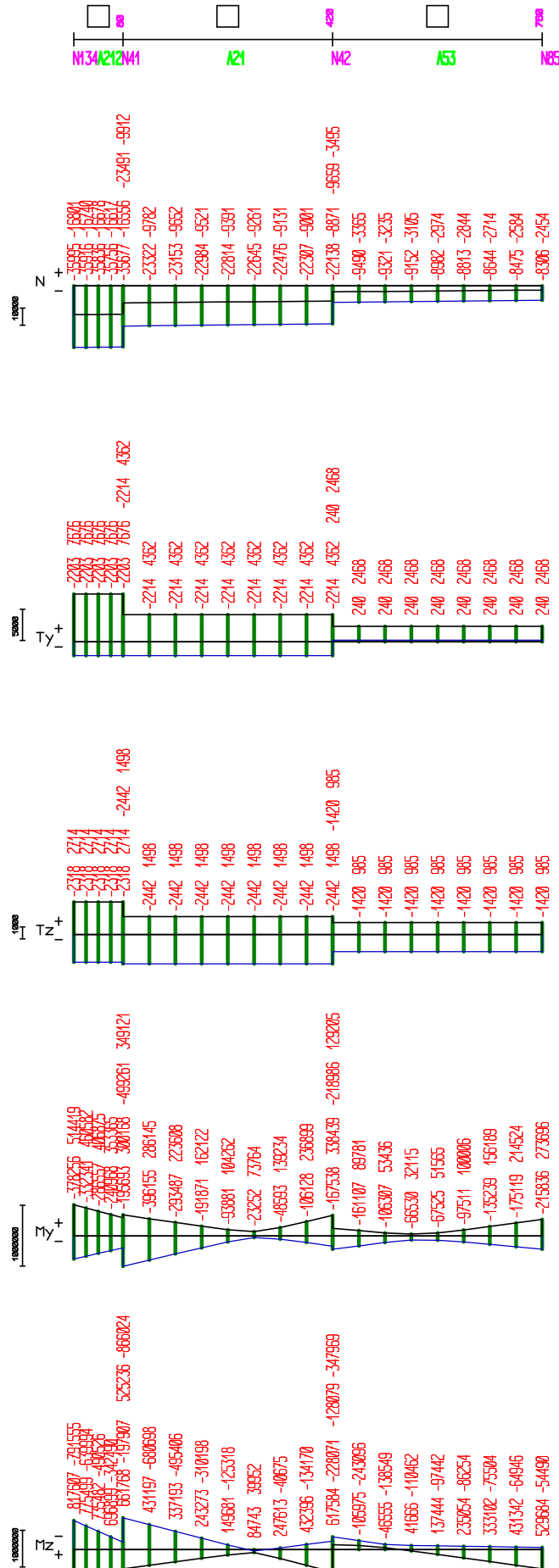
CASI DI CARICO:

1 - SLU	- sesti	1
2 - SLU VENTOX	- sesti	1 2
3 - SLU VENTOX	- sesti	1 2
6 - SLU con SISHAX PRINC	- sesti	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
7 - SLU con SISHAX PRINC	- sesti	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16



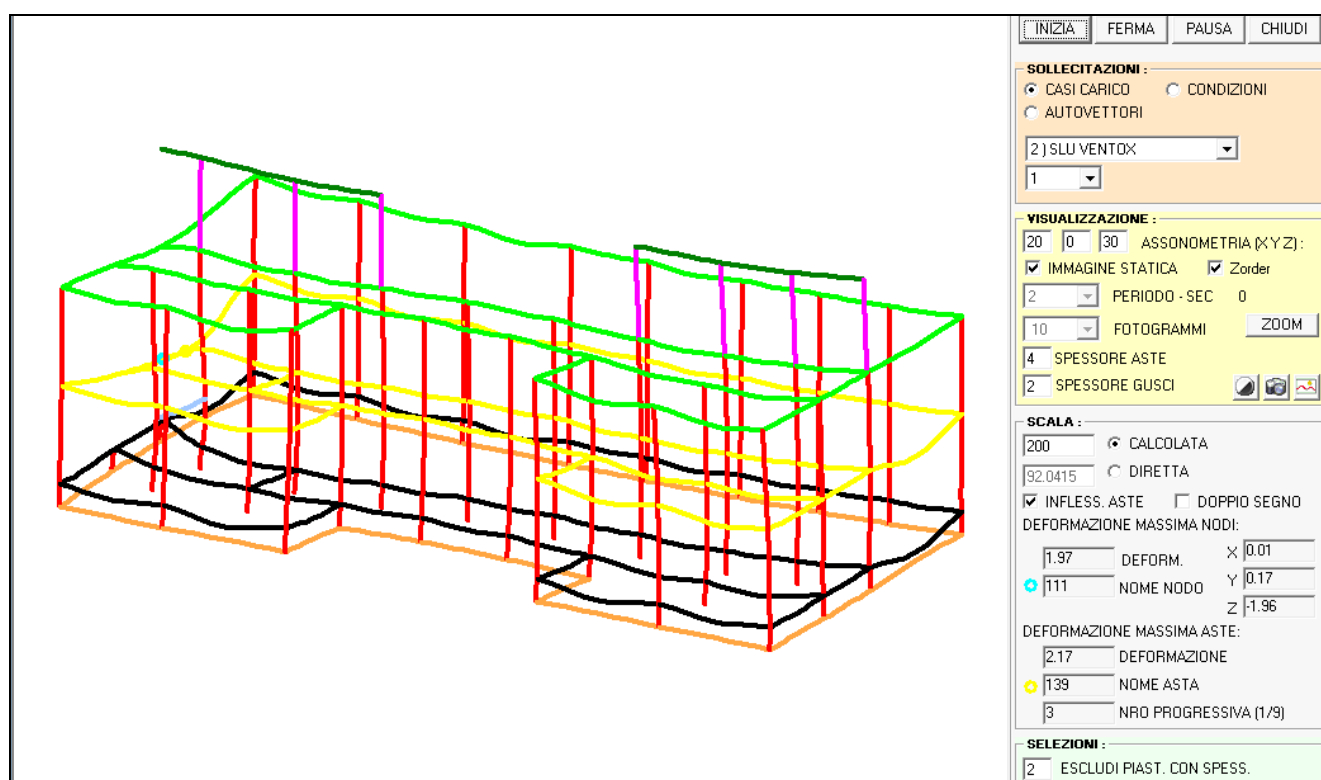
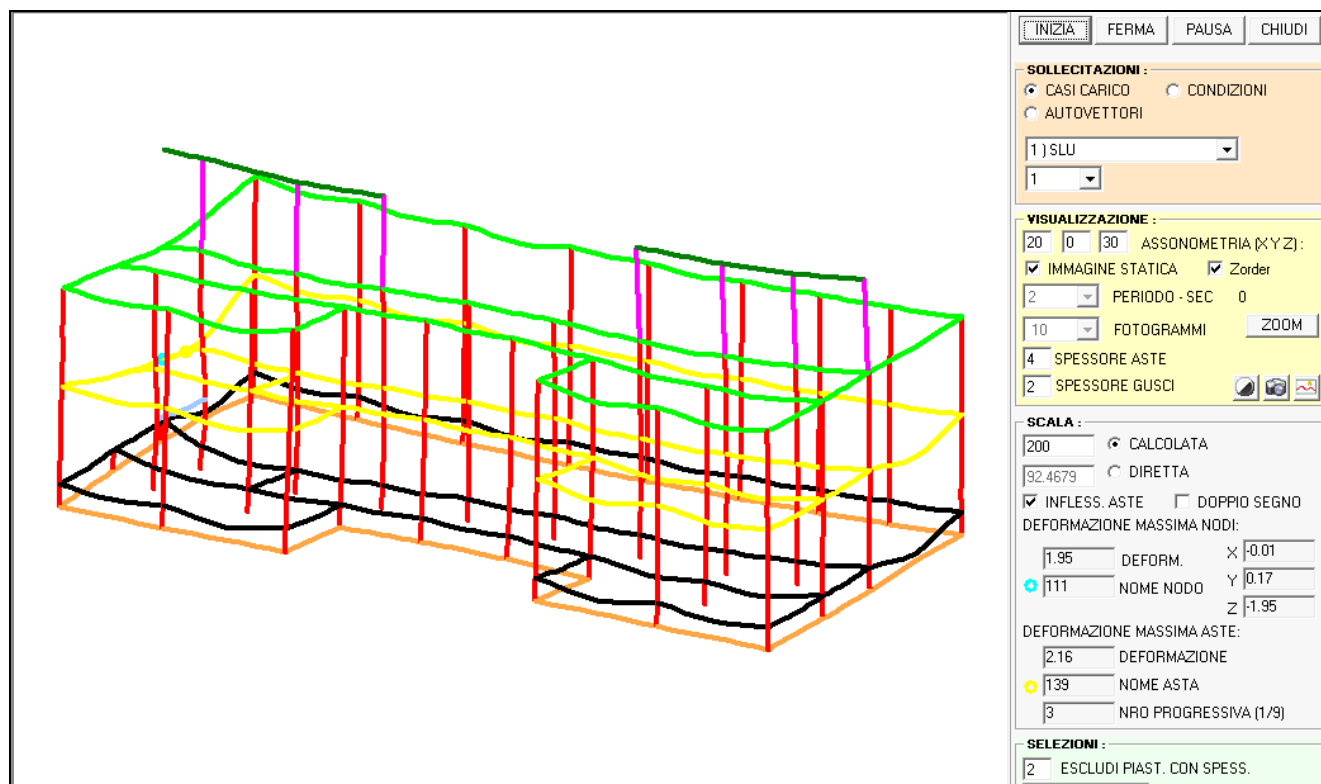
[illegible]

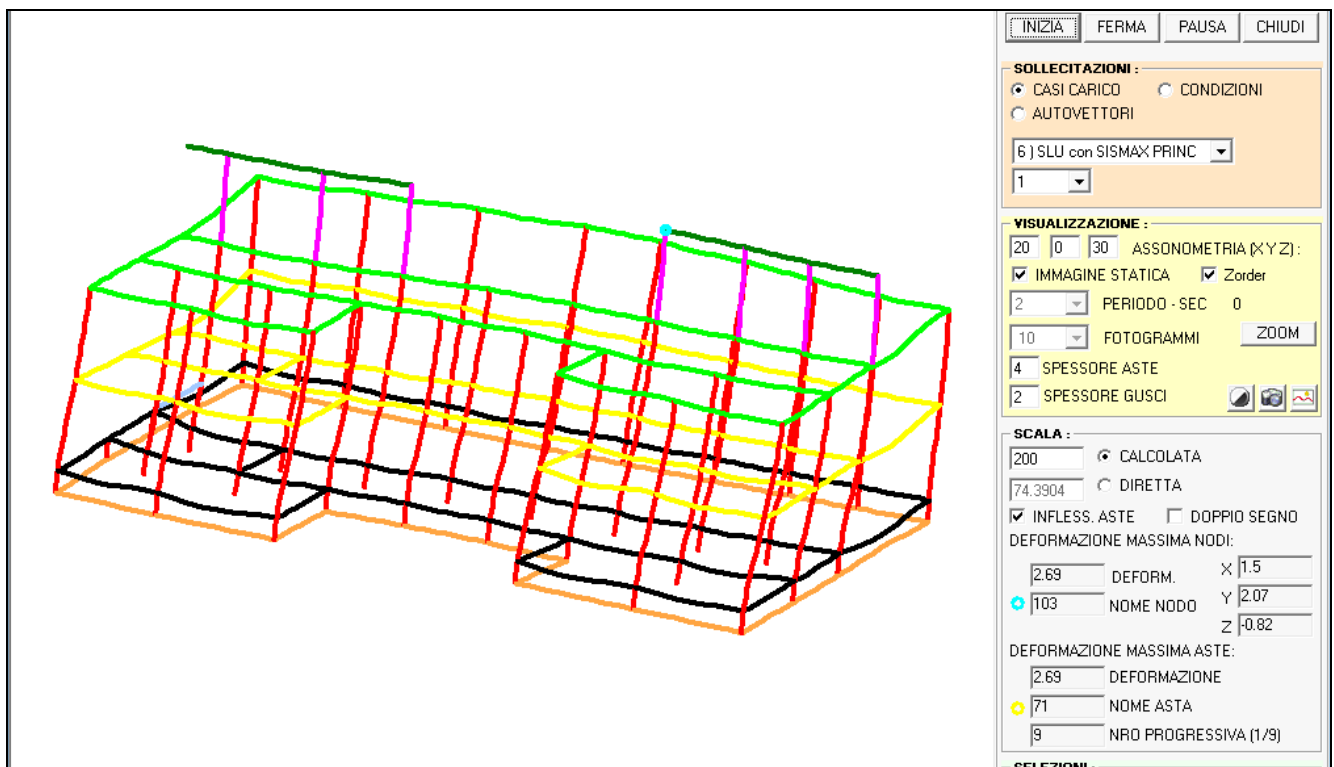
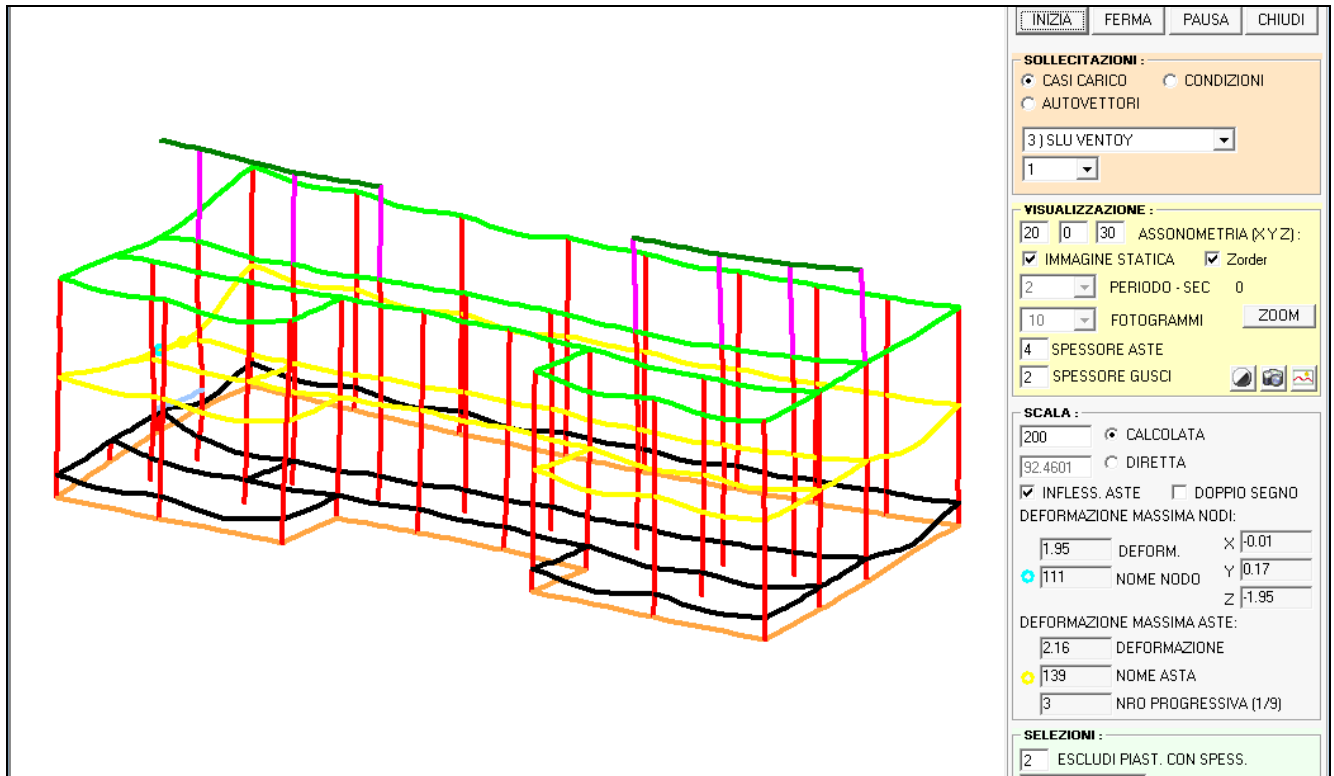
```
1 - SLU - sestetti 1
2 - SLU VENTOX - sestetti 1 2
3 - SLU VENTOX - sestetti 1 2
6 - SLU con SISMAY PRINC - sestetti 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
7 - SLU con SISMAY PRINC - sestetti 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
```

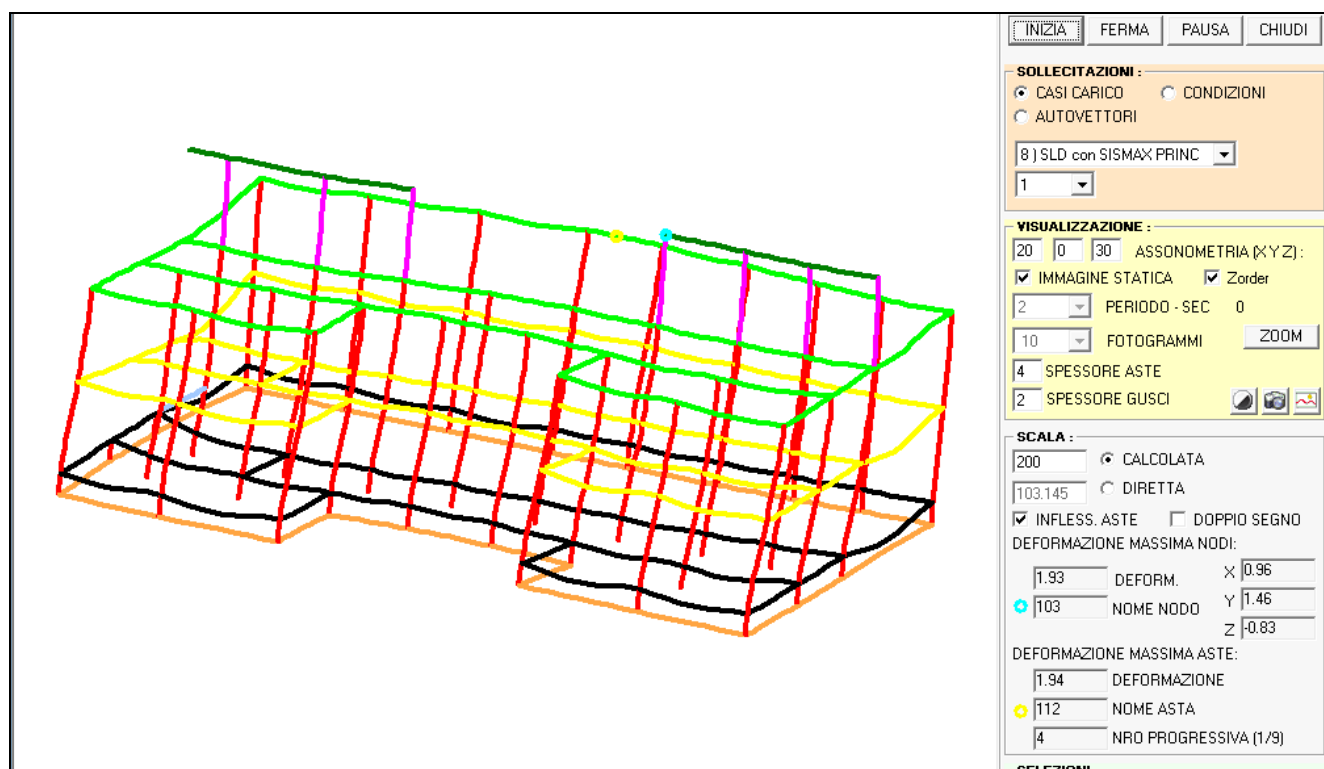
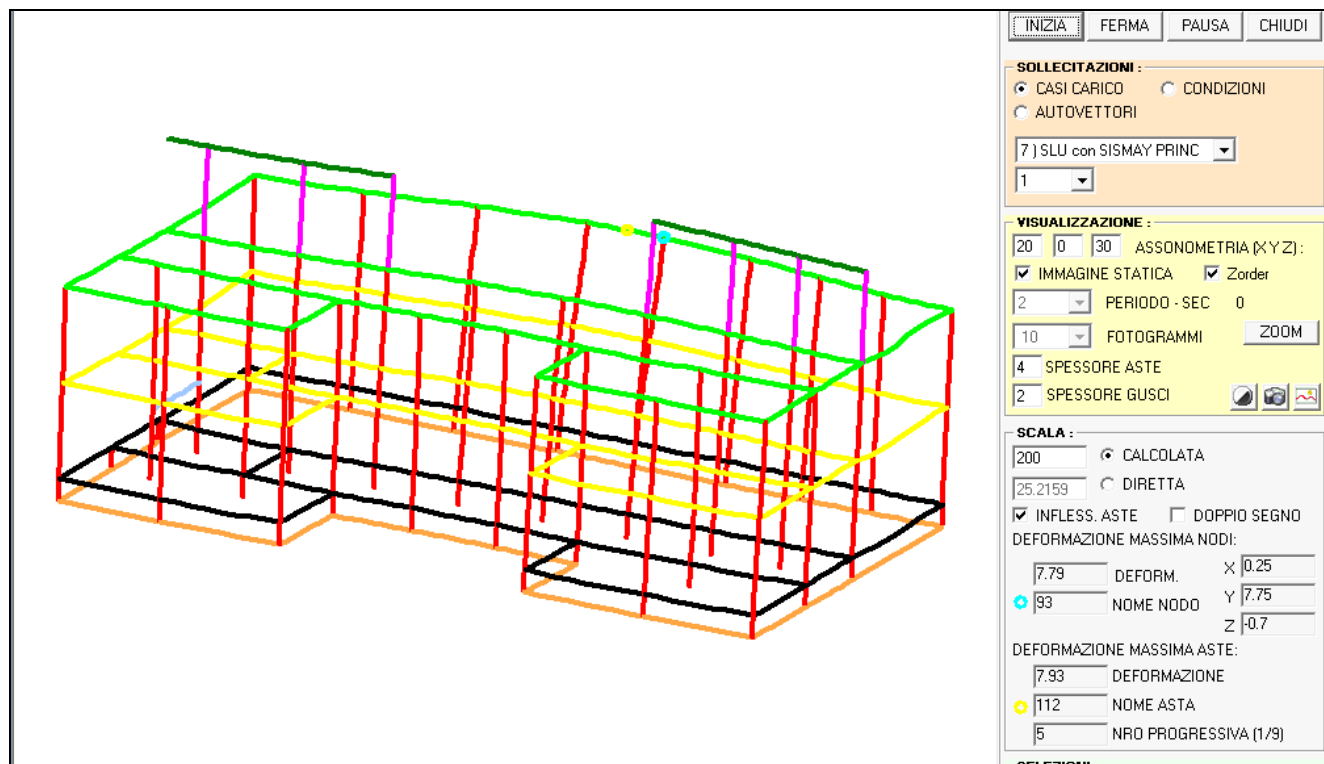


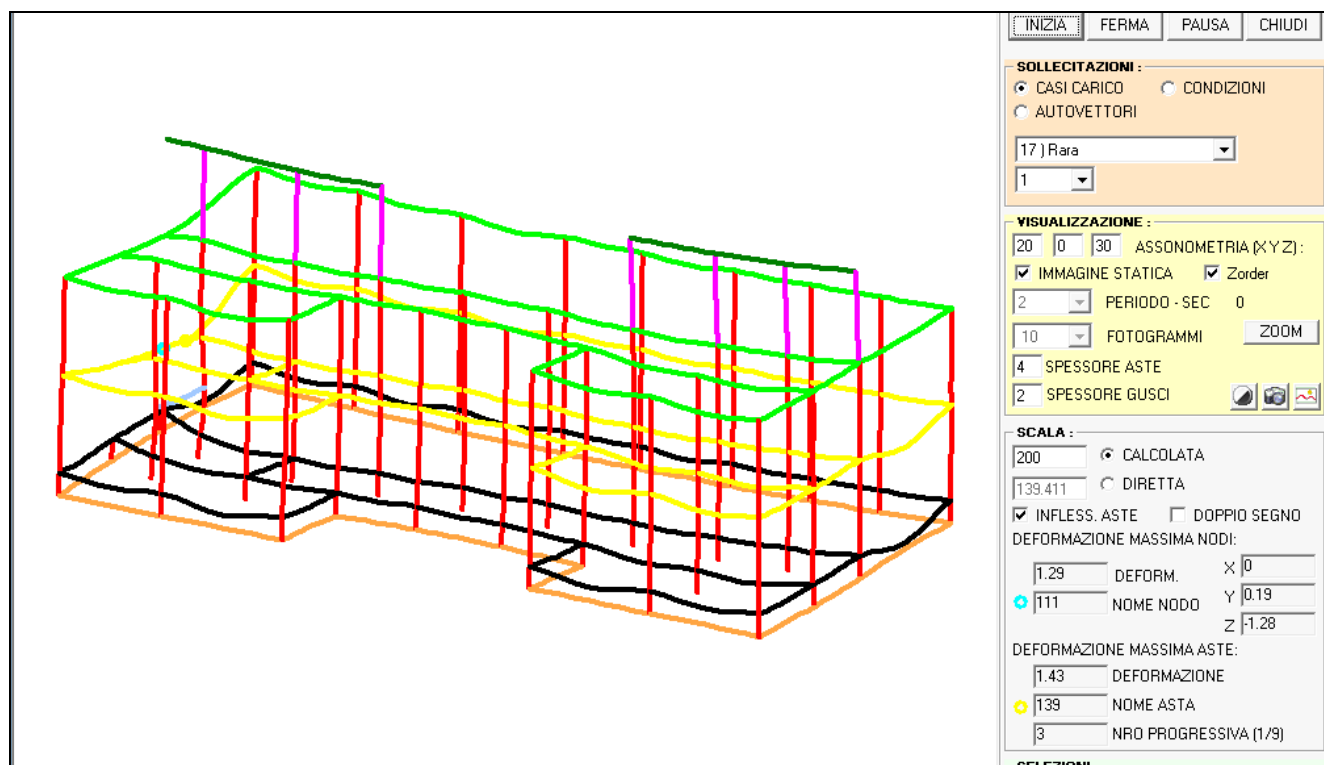
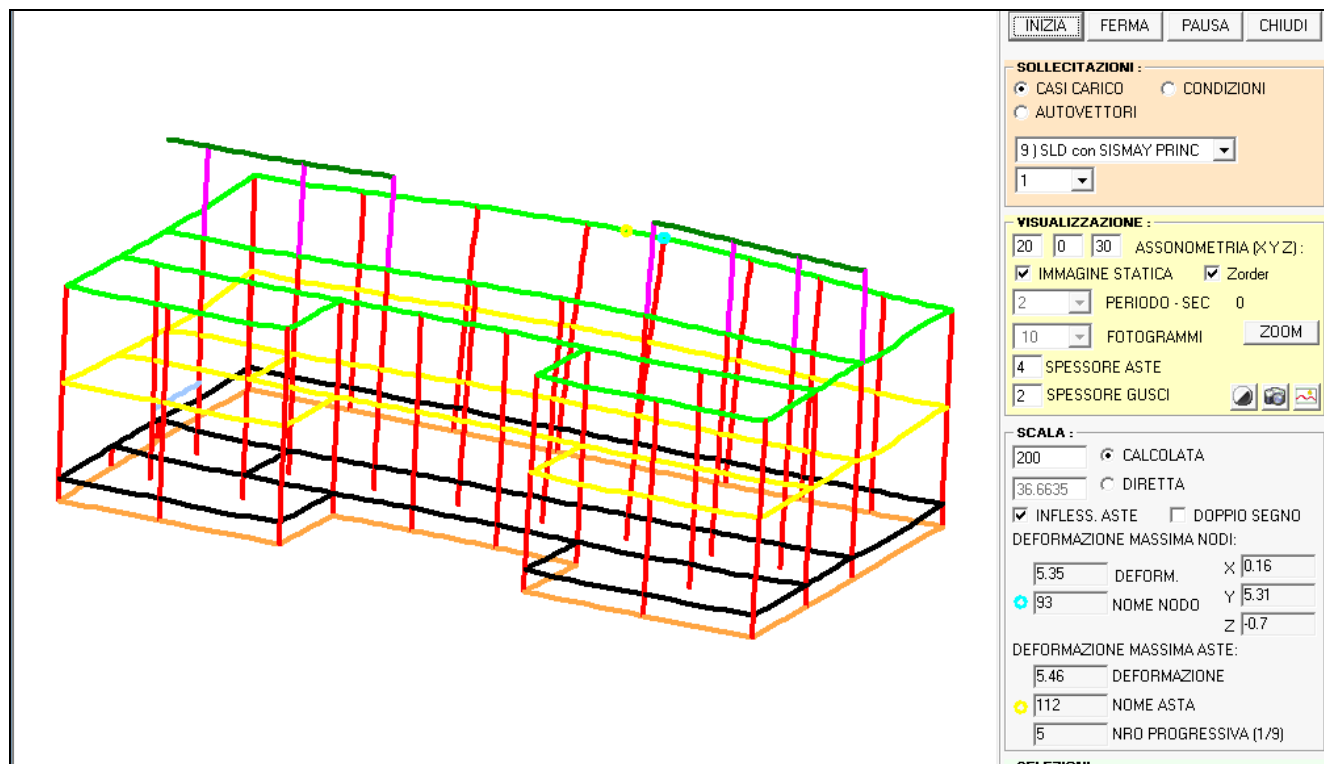
DEFORMAZIONI DELLA STRUTTURA

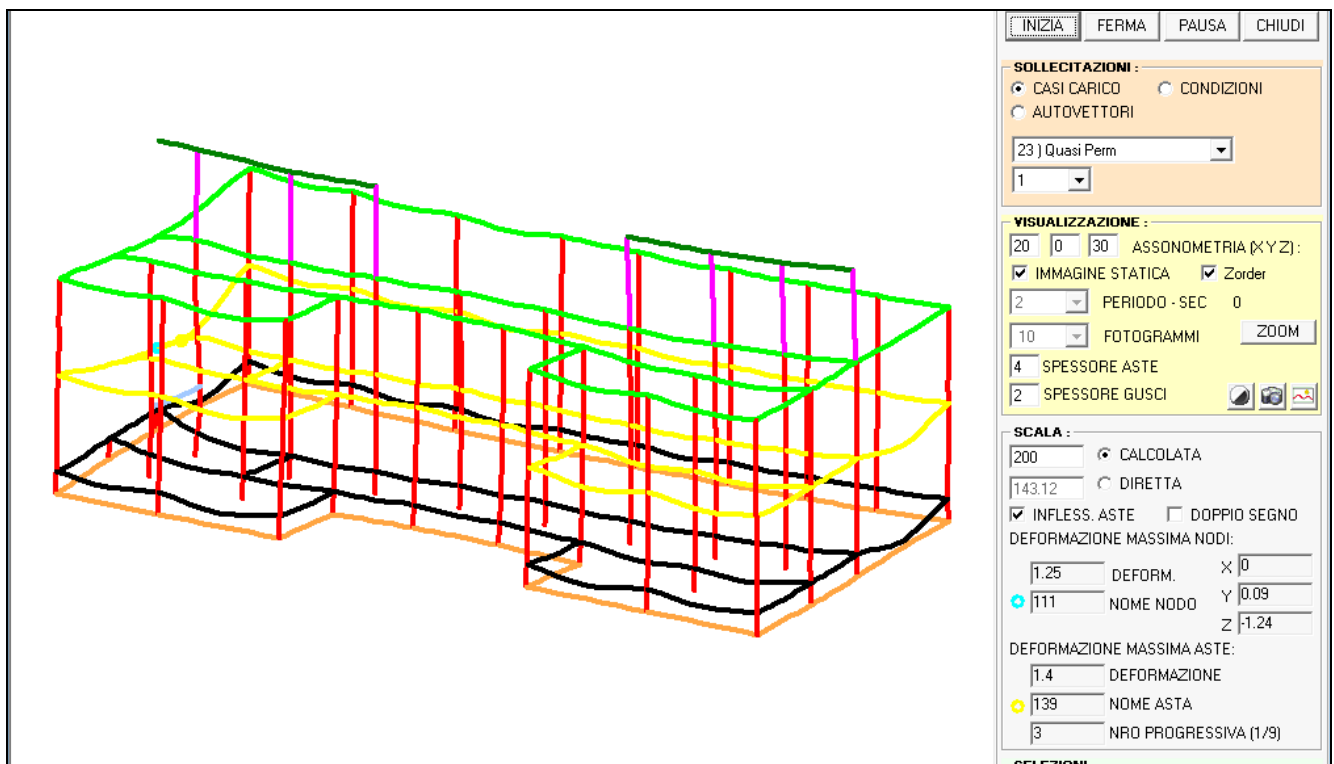
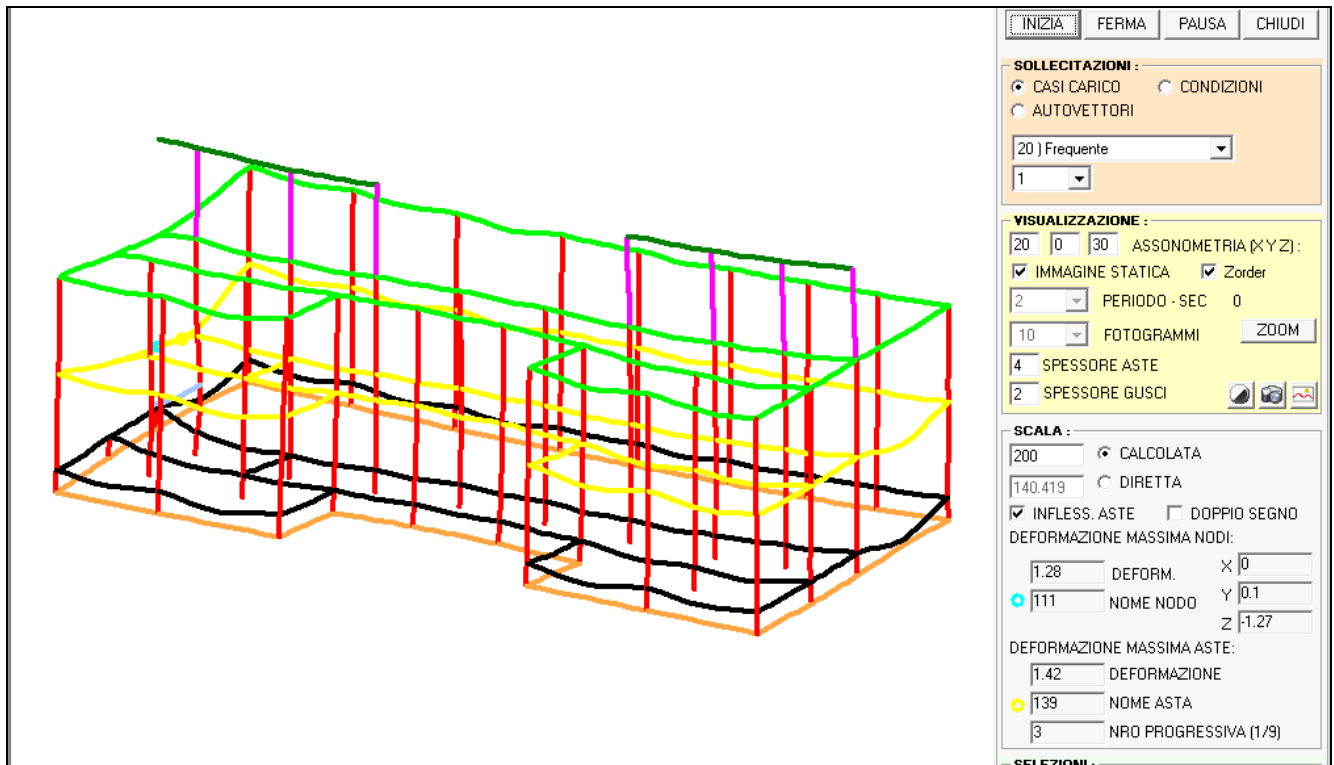
Si riportano nel seguito i diagrammi relativi alle deformazioni della struttura dell'edificio scolastico per i principali casi di carico a stato limite ultimo e stati limite di esercizio.











VERIFICA PILASTRI:

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P001 (ID=32)
 Aste : 192; 1; 33
 Metodo di verifica : stati limite - NTC18 (q=1.5 ; muphi=2.4) ->
 Duttilita' : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capito 7 attivi.
 Unita' di misura : cm; daN; daN/cm; daNcm; daN/cm2; deform.%; 1/r â€°(permille)
 Unita' particolari : fessure [wk]:mm - ferri:mm e cm2 - sezioni:cm e derivate.
 Copriferri (assi) : longitudinali= 3.5 ; staffe= 2.5
 Imperfezioni : M minimo = N * e0 ; M aggiunto = N * ei
 Instabilita' : rigidezza nominale [EC2 5.8.7]; fief=3

MATERIALI

CLS : C20/25; Rck=250; fck=207.5; fctk=15.86; fctm=22.65; Ecm=302005;
 gc=1.5; fcd=117.6; fbd=23.79; fctd=10.57; Ec2=0.2%; Ecu=0.35%
 ACCIAIO: FeB32 (1972); ftk=3200; fyk=3200; Es=2000000; gs=1.15; fyd=2782.6;
 ftd=2782.6; fud=2782.6; Eyd=0.1391%; Eud=3.99996%

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.

CLS : σ (rara)=124.5; σ (quasi permanente)=93.4; fbd(esercizio)=23.79ACCIAIO: σ (rara)=2560; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (sismico)	2
3	SLU VENTOY	SLU (sismico)	2
6	SLU con SISMAY PRINC	SLU (sismico)	64
7	SLU con SISMAY PRINC	SLU (sismico)	64
12	SLU GER SISMAY PRINC	SLU (sismico)	64
13	SLU GER SISMAY PRINC	SLU (sismico)	64
17	Rara	RARA	1
18	Rara VentoX	RARA	2
19	Rara VentoY	RARA	2
20	Frequente	FREQUENTE	1
21	Frequente VentoX	FREQUENTE	2
22	Frequente VentoY	FREQUENTE	2
23	Quasi Perm	QUASI PERMAN.	1

<-

SEZIONI UTILIZZATE

1) Rettangolare: base=35; alt.=35; Acls=1225; iy=10.1; iz=10.1

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Sele0z	le0y	leiz	leiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1 2.	2.	1.27	1.27	80.	56.	0.	0.	8.04	.657	4φ16
2	1 2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657	4φ16
3	1 2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657	4φ16

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (inclusi imperfezioni e second'ordine):

Asta	Caso	NEd	MEyd	MEzd	E cIs	σ	E acc	σ f	VE		
> 1	2- 1	-44413.	-589579.	1.03	122190.	1.12	-1.144	-108.2	.08	1593.1	SI
1	2- 2	-44246.	-394154.	1.01	-126993.	1.01	-.098	-87.3	.026	524.8	SI
2	2- 2	-44087.	-222448.	1.07	-365753.	1.04	-.11	-93.6	.037	734.5	SI
> 2	2- 1	-28663.	379784.	1.23	442643.	1.22	-.175	-115.8	.157	2782.6	NO
2	2- 2	-27983.	-54732.	1.12	44483.	1.12	-.029	-31.6	-.01	-197.6	SI
2	3- 1	-27305.	-480771.	1.2	-356651.	1.24	-.202	-117.6	.205	2782.6	NO
> 3	2- 1	-10500.	441663.	1.07	310048.	1.08	-.45	-157.8	.94	2782.6	NO
3	2- 2	-9820.	71749.	1.04	-70352.	1.04	-.023	-25.6	.009	171.7	SI
3	2- 2	-9144.	-289456.	1.08	-457355.	1.07	-.74	-273.7	2.303	2782.6	NO

INSTABILITA' - RIGIDEZZA NOMINALE Y [EC2 5.8.7]:

Asta	Caso	NB	10	Jn	Jcls/Jn	McaI	M0Ed	MEd	nu
1 I	2- 1	-4901472.	80.	10524.3	11.8822	-572393.	-584237.	-589579.	.308
2 S	3- 1	-275190.3	340.	10672.8	11.7169	-399756.	-430702.	-480771.	.199
3 S	2- 2	-271371.7	340.	10524.7	11.8818	-267896.	-278259.	-289456.	.073

INSTABILITA' - RIGIDEZZA NOMINALE Z [EC2 5.8.7]:

Asta	Caso	NB	10	Jn	Jcls/Jn	McaI	M0Ed	MEd	nu
1 I	2- 1	-4901472.	80.	10524.3	11.8822	109239.	121083.	122190.	.308
2 S	3- 1	-275190.3	340.	10672.8	11.7169	-288563.	-319509.	-356651.	.199
3 S	2- 2	-271371.7	340.	10524.7	11.8818	-429300.	-439663.	-457355.	.073

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	2- 1	-5828.8	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 C	2- 1	-5828.8	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 S	2- 1	-5828.8	5576.2	5576.2	25144.8	.57	20.	2.5	NO
2 I	2- 2	-1930.9	5576.2	5576.2	24118.4	.57	20.	2.5	NO
2 C	2- 2	-1930.9	5576.2	5576.2	24023.9	.57	20.	2.5	NO
2 S	2- 2	-1930.9	5576.2	5576.2	23929.4	.57	20.	2.5	NO
3 I	2- 2	-2127.5	5576.2	5576.2	21581.9	.57	20.	2.5	NO

3 C	2- 2	-2127.5	5576.2	5576.2	21487.4	.57	20.	2.5	NO	10
3 S	2- 2	-2127.5	5576.2	5576.2	21392.8	.57	20.	2.5	NO	11

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE	
1 I	2- 1	-4649.2	5576.2	5576.2	25144.8	.57	20.	2.5	NO	11
1 C	2- 1	-4649.2	5576.2	5576.2	25144.8	.57	20.	2.5	NO	10
1 S	2- 1	-4649.2	5576.2	5576.2	25144.8	.57	20.	2.5	NO	11
2 I	2- 1	2077.4	5576.2	5576.2	24118.8	.57	20.	2.5	NO	11
2 C	2- 1	2077.4	5576.2	5576.2	24024.3	.57	20.	2.5	NO	10
2 S	2- 1	2077.4	5576.2	5576.2	23929.7	.57	20.	2.5	NO	11
3 I	2- 1	2027.8	5576.2	5576.2	21582.2	.57	20.	2.5	NO	11
3 C	2- 1	2027.8	5576.2	5576.2	21487.7	.57	20.	2.5	NO	10
3 S	2- 1	2027.8	5576.2	5576.2	21393.2	.57	20.	2.5	NO	11

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	18- 1	-31172.	-402132.1	77093.6	-95.6	803.6	SI
1 C	18- 2	-31044.5	-271642.2	-87259.	-70.	257.2	SI
1 S	18- 2	-30922.	-141087.5	-244783.8	-73.9	310.6	SI
2 I	18- 1	-20244.5	211688.8	254289.3	-94.7	1090.3	SI
2 C	18- 2	-19722.1	-32735.5	27858.3	-22.	-134.7	SI
2 S	19- 1	-19200.7	-273126.4	-201379.1	-98.1	1234.	SI
3 I	19- 2	-7559.2	286568.	203254.4	-114.8	2548.	SI
3 C	18- 2	-7036.3	43920.7	-47734.	-17.4	79.3	SI
3 S	19- 2	-6518.	-198696.3	-298482.2	-117.3	2744.4	NO

14

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	21- 1	-28994.5	-378818.2	52272.	-86.3	723.4	SI
1 C	21- 2	-28871.	-264055.9	-88911.3	-68.5	294.5	SI
1 S	21- 2	-28748.5	-149280.6	-228729.	-72.1	340.7	SI
2 I	21- 1	-18637.6	198678.2	227482.2	-86.5	984.5	SI
2 C	21- 2	-18116.6	-33223.4	22879.6	-20.2	-123.1	SI
2 S	22- 1	-17595.8	-264318.3	-182284.2	-93.	1212.5	SI
3 I	22- 2	-6609.	274969.7	177107.1	-105.9	2418.4	SI
3 C	21- 2	-6087.9	46571.3	-35452.3	-15.6	77.2	SI
3 S	22- 2	-5567.8	-181821.	-247963.7	-101.8	2362.8	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	23- 1	-28351.	-372178.7	45094.7	-83.7	702.2	SI
1 C	23- 1	-28228.5	-261923.1	-89065.8	-68.1	306.1	SI
1 S	23- 1	-28106.	-151667.6	-223226.3	-71.4	347.9	SI
2 I	23- 1	-18182.7	195033.1	218967.3	-83.9	949.9	SI
2 C	23- 1	-17662.1	-33384.8	21627.6	-19.7	-119.5	SI
2 S	23- 1	-17141.5	-261802.8	-175712.	-91.3	1201.4	SI
3 I	23- 1	-6367.5	271517.1	169456.9	-103.3	2376.6	NO
3 C	23- 1	-5846.8	47256.3	-32686.3	-15.2	78.2	SI
3 S	23- 1	-5326.2	-177004.4	-234829.5	-97.7	2261.2	NO

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MESSAGGI

- 1) Verifica presso-flessionale a SLU non soddisfatta [4.1.2.3.4.2].
 3) Armatura longitudinale insufficiente [7.4.6.2.2].
 7) Verifica a taglio non soddisfatta [4.1.2.3.5.2].
 10) Passo staffe insufficiente [4.1.6.1.2].
 11) Passo staffe insufficiente [7.4.6.2.2].
 14) Tensione in esercizio eccessiva [4.1.2.2.5].

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P002 (ID=33)
 Aste : 193; 2; 34
 Metodo di verifica : stati limite - NTC18 (q=1.5 ; muphi=2.4) ->
 Duttilita' : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capito 7 attivi.
 Unita' di misura : cm; daN; daN/cm; daNcm; daN/cm2; deform. %; 1/r â€°(permille)
 Unita' particolari : fessure [wk]:mm - ferri:mm e cm2 - sezioni:cm e derivate.
 Copriferrì (assi) : longitudinali= 3.5 ; staffe= 2.5
 Imperfezioni : M minimo = N * e0 ; M aggiunto = N * ei
 Instabilita' : rigidezza nominale [EC2 5.8.7]; fief=3

MATERIALI

CLS : C20/25; Rck=250; fck=207.5; fctk=15.86; fctm=22.65; Ecm=302005;
 gc=1.5; fcd=117.6; fbd=23.79; fctd=10.57; Ec2=0.2%; Ecu=0.35%
 ACCIAIO: FeB32 (1972); ftk=3200; fyk=3200; Es=2000000; gs=1.15; fyd=2782.6;
 ftd=2782.6; fud=2782.6; Eyd=0.1391%; Eud=3.99996%

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.

CLS : σ_c (rara)=124.5; σ_c (quasi permanente)=93.4; fbd(esercizio)=23.79
 ACCIAIO: σ_f (rara)=2560; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (sismico)	2
3	SLU VENTOY	SLU (sismico)	2
6	SLU con SISMAY PRINC	SLU (sismico)	64
7	SLU con SISMAY PRINC	SLU (sismico)	64
12	SLU GER SISMAY PRINC	SLU (sismico)	64
13	SLU GER SISMAY PRINC	SLU (sismico)	64
17	Rara	RARA	1
18	Rara VentoX	RARA	2
19	Rara VentoY	RARA	2
20	Frequente	FREQUENTE	1
21	Frequente VentoX	FREQUENTE	2
22	Frequente VentoY	FREQUENTE	2
23	Quasi Perm	QUASI PERMAN.	1

<-

SEZIONI UTILIZZATE

1) Rettangolare: base=35; alt.=35; Acls=1225; iy=10.1; iz=10.1

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2	2	.27	.27	80.	56.	0.	0.	8.04	.657	4φ16
2	1	2	2	.1.13	.1.13	340.	316.	53.	53.	8.04	.657	4φ16
3	1	2	2	.1.13	.1.13	340.	316.	53.	53.	8.04	.657	4φ16

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (inclusi imperfezioni e second'ordine):

Asta	Caso	NEd	MEyd	MEzd	E cIs	σc	E acc	σf	VE		
> 1	2- 1	-58396.	-133957.	2.73	168740.	1.12	-0.077	-73.1	-0.012	-242.3	SI
1	2- 2	-58241.	-53180.	1.01	103809.	1.01	-0.059	-59.2	-0.025	-509.7	SI
1	2- 2	-58081.	-133234.	2.69	133234.	2.19	-0.072	-69.6	-0.015	-304.5	SI
> 2	2- 2	-38018.	-138061.	4.54	199438.	1.55	-0.064	-63.4	.005	100.9	SI
2	2- 2	-37341.	-26741.	1.16	18127.	1.16	-0.03	-32.4	-0.021	-418.	SI
2	2- 1	-36662.	-133136.	7.48	-161838.	1.65	-0.058	-58.	.002	32.	SI
> 3	2- 2	-16726.	55834.	6.61	74246.	1.46	-0.024	-26.9	0.	.7	SI
3	2- 2	-16049.	2707.	1.07	-7923.	1.07	-0.011	-13.	-0.009	-188.9	SI
3	2- 2	-15373.	-51315.	15.2	-88458.	1.35	-0.025	-27.3	.002	39.9	SI

INSTABILITA' - RIGIDEZZA NOMINALE Y [EC2 5.8.7]:

Asta	Caso	NB	10	Jn	JcIs/Jn	McaI	M0Ed	MEd	nu
1 I	2- 1	-4913967.	80.	10551.1	11.852	-49040.	-132365.	-133957.	.405
2 I	2- 2	-277158.2	340.	10749.1	11.6337	-30400.	-119123.	-138061.	.264
3 S	2- 2	-272681.4	340.	10575.5	11.8247	-3368.	-48168.	-51315.	.116

INSTABILITA' - RIGIDEZZA NOMINALE Z [EC2 5.8.7]:

Asta	Caso	NB	10	Jn	JcIs/Jn	McaI	M0Ed	MEd	nu
1 I	2- 1	-4913967.	80.	10551.1	11.852	151162.	166735.	168740.	.405
2 I	2- 2	-277158.2	340.	10749.1	11.6337	128993.	172081.	199438.	.264
3 S	2- 2	-272681.4	340.	10575.5	11.8247	-65609.	-83032.	-88458.	.116

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	2- 1	-1189.9	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 C	2- 1	-1189.9	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 S	2- 1	-1189.9	5576.2	5576.2	25144.8	.57	20.	2.5	NO
2 I	2- 2	-666.8	5576.2	5576.2	25144.8	.57	20.	2.5	NO
2 C	2- 2	-666.8	5576.2	5576.2	25144.8	.57	20.	2.5	NO
2 S	2- 2	-666.8	5576.2	5576.2	25144.8	.57	20.	2.5	NO
3 I	2- 2	-342.2	5576.2	5576.2	22451.8	.57	20.	2.5	NO
3 C	2- 2	-342.2	5576.2	5576.2	22357.3	.57	20.	2.5	NO
3 S	2- 2	-342.2	5576.2	5576.2	22262.7	.57	20.	2.5	NO

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	6-46	-210.4	5576.2	5576.2	25129.	.57	20.	2.5	NO
1 C	6-46	-210.4	5576.2	5576.2	25111.9	.57	20.	2.5	NO
1 S	6-46	-210.4	5576.2	5576.2	25094.7	.57	20.	2.5	NO
2 I	6-46	-87.3	5576.2	5576.2	23346.	.57	20.	2.5	NO
2 C	6-46	-87.3	5576.2	5576.2	23273.3	.57	20.	2.5	NO
2 S	6-46	-87.3	5576.2	5576.2	23200.6	.57	20.	2.5	NO
3 I	6-24	65.3	5576.2	5576.2	21462.8	.57	20.	2.5	NO
3 C	6-24	65.3	5576.2	5576.2	21390.1	.57	20.	2.5	NO
3 S	6-24	65.3	5576.2	5576.2	21317.4	.57	20.	2.5	NO

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	19- 1	-41034.5	-36515.3	103370.3	-47.3	-260.5	SI
1 C	18- 2	-40913.1	-36292.3	71763.5	-43.4	-304.6	SI
1 S	18- 2	-40790.6	-34197.4	42438.3	-39.6	-348.	SI
2 I	18- 2	-26817.9	-20878.3	90130.2	-33.3	-142.3	SI
2 C	18- 2	-26297.2	-15911.9	10923.4	-22.9	-256.6	SI
2 S	18- 1	-25775.1	-12311.5	-68534.6	-28.9	-173.6	SI
3 I	18- 2	-11892.1	5536.6	35448.4	-13.8	-74.9	SI
3 C	18- 2	-11371.4	1239.	-5245.8	-9.3	-118.3	SI
3 S	18- 2	-10850.8	-3058.6	-45939.9	-13.9	-51.7	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	22- 1	-37071.9	-37373.1	81724.	-41.9	-245.7	SI
1 C	21- 2	-36949.6	-35690.4	58637.7	-38.8	-279.7	SI
1 S	21- 2	-36827.1	-33633.3	36007.6	-35.8	-313.6	SI
2 I	21- 2	-23942.5	-20733.8	73167.8	-29.1	-134.5	SI
2 C	21- 2	-23421.9	-15823.2	9094.7	-20.5	-227.1	SI
2 S	21- 1	-22901.	-11185.8	-55028.7	-25.	-162.3	SI
3 I	21- 2	-10093.9	5352.2	27762.8	-11.5	-65.9	SI
3 C	21- 2	-9573.3	1589.5	-4919.2	-7.9	-98.1	SI
3 S	21- 2	-9052.7	-2173.3	-37601.3	-11.5	-44.7	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	23- 1	-35900.9	-37626.3	75680.3	-40.3	-240.9	SI
1 C	23- 1	-35778.4	-35574.	54940.5	-37.5	-272.	SI
1 S	23- 1	-35655.9	-33521.7	34200.6	-34.7	-303.2	SI
2 I	23- 1	-23134.1	-20748.7	68418.5	-27.9	-132.2	SI
2 C	23- 1	-22613.5	-15828.	8543.3	-19.8	-218.8	SI
2 S	23- 1	-22092.9	-10907.3	-51331.9	-23.9	-158.9	SI
3 I	23- 1	-9645.8	5282.3	25565.	-10.9	-64.1	SI
3 C	23- 1	-9125.2	1678.4	-4737.8	-7.6	-93.2	SI
3 S	23- 1	-8604.5	-1925.6	-35040.6	-10.8	-43.7	SI

MESSAGGI

- 3) Armatura longitudinale insufficiente [7.4.6.2.2].
 10) Passo staffe insufficiente [4.1.6.1.2].
 11) Passo staffe insufficiente [7.4.6.2.2].

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P003 (ID=34)
 Aste : 194; 3; 35
 Metodo di verifica : stati limite - NTC18 ($q=1.5$; $\mu_{phi}=2.4$) ->
 Duttilita' : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capito 7 attivi.
 Unita' di misura : cm; daN; daN/cm; daN/cm²; deform. %; 1/r $\hat{=}$ (permille)
 Unita' particolari : fessure [wk]:mm - ferri:mm e cm² - sezioni:cm e derivate.
 Copriferri (assi) : longitudinali= 3.5 ; staffe= 2.5
 Imperfezioni : M minimo = N * e₀ ; M aggiunto = N * e_i
 Instabilita' : rigidezza nominale [EC2 5.8.7]; $\eta_{ief}=3$

MATERIALI

CLS : C20/25; Rck=250; fck=207.5; fctk=15.86; fctm=22.65; Ecm=302005;
 gc=1.5; fcd=117.6; fbd=23.79; fctd=10.57; Ec2=0.2%; Ecu=0.35%
 ACCIAIO: FeB32 (1972); ftk=3200; fyk=3200; Es=2000000; gs=1.15; fyd=2782.6;
 ftd=2782.6; fud=2782.6; Eyd=0.1391%; Eud=3.99996%

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.

CLS : σ_c (rara)=124.5; σ_c (quasi permanente)=93.4; fbd(esercizio)=23.79
 ACCIAIO: σ_f (rara)=2560; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (sismico)	2
3	SLU VENTOY	SLU (sismico)	2
6	SLU con SISMAY PRINC	SLU (sismico)	64
7	SLU con SISMAY PRINC	SLU (sismico)	64
12	SLU GER SISMAY PRINC	SLU (sismico)	64
13	SLU GER SISMAY PRINC	SLU (sismico)	64
17	Rara	RARA	1
18	Rara VentoX	RARA	2
19	Rara VentoY	RARA	2
20	Frequente	FREQUENTE	1
21	Frequente VentoX	FREQUENTE	2
22	Frequente VentoY	FREQUENTE	2
23	Quasi Perm	QUASI PERMAN.	1

<-

SEZIONI UTILIZZATE

- 1) Rettangolare: base=35; alt.=35; Acl=1225; iy=10.1; iz=10.1

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2.	2.	.27	.27	80.	56.	0.	0.	8.04	.657	4 ϕ 16
2	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657	4 ϕ 16
3	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657	4 ϕ 16

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (inclusi imperfezioni e second'ordine):

Progetto esecutivo

Relazione Tecnica e di Calcolo - Tabulati struttura esistente

Asta	Caso	NEd	MEyd	MEzd	E c/s	σc	E acc	σf	VE		
> 1	2- 1	-60353.	-138501.	11.8	138501.	2.07	-0.076	-72.1	-0.016	-315.8	SI
1	2- 2	-60193.	-15403.	1.01	41126.	1.01	-0.049	-50.1	-0.036	-726.9	SI
1	2- 1	-60035.	-137771.	10.8	137771.	8.59	-0.075	-71.7	-0.016	-314.2	SI
> 2	2- 2	-39915.	-146073.	9.71	154136.	1.78	-0.061	-60.6	0.	-3.6	SI
2	2- 2	-39238.	-13876.	1.17	20876.	1.17	-0.03	-32.7	-0.023	-462.3	SI
2	2- 1	-38563.	-141126.	15.7	-141126.	2.74	-0.058	-57.9	-0.001	-19.	SI
> 3	2- 2	-18486.	-62128.	8.45	102140.	1.38	-0.029	-32.1	0.002	41.1	SI
3	3- 2	-17809.	-4131.	1.07	-40487.	1.07	-0.016	-18.2	-0.008	-155.8	SI
3	2- 2	-17132.	57578.	60.6	-181375.	1.21	-0.041	-43.	0.016	320.3	SI

INSTABILITA' - RIGIDEZZA NOMINALE Y [EC2 5.8.7]:

Asta	Caso	NB	10	Jn	Jc/s/Jn	Mca1	M0Ed	MEd	nu
1 I	2- 1	-4915716.	80.	10554.9	11.8478	-11780.	-136801.	-138501.	.419
2 I	2- 2	-277557.	340.	10764.6	11.617	-15036.	-125067.	-146073.	.277
3 S	2- 2	-273051.3	340.	10589.8	11.8087	951.	53680.	57578.	.128

INSTABILITA' - RIGIDEZZA NOMINALE Z [EC2 5.8.7]:

Asta	Caso	NB	10	Jn	Jc/s/Jn	Mca1	M0Ed	MEd	nu
1 I	2- 1	-4915716.	80.	10554.9	11.8478	66821.	136801.	138501.	.419
2 I	2- 2	-277557.	340.	10764.6	11.617	86733.	131970.	154136.	.277
3 S	2- 2	-273051.3	340.	10589.8	11.8087	-149680.	-169096.	-181375.	.128

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE	
1 I	2- 1	-634.9	5576.2	5576.2	25144.8	.57	20.	2.5	NO	11
1 C	2- 1	-634.9	5576.2	5576.2	25144.8	.57	20.	2.5	NO	10
1 S	2- 1	-634.9	5576.2	5576.2	25144.8	.57	20.	2.5	NO	11
2 I	6-56	-427.5	5576.2	5576.2	23440.5	.57	20.	2.5	NO	11
2 C	6-56	-427.5	5576.2	5576.2	23367.8	.57	20.	2.5	NO	10
2 S	6-56	-427.5	5576.2	5576.2	23295.1	.57	20.	2.5	NO	11
3 I	2- 2	-658.7	5576.2	5576.2	22697.5	.57	20.	2.5	NO	11
3 C	2- 2	-658.7	5576.2	5576.2	22603.	.57	20.	2.5	NO	10
3 S	2- 2	-658.7	5576.2	5576.2	22508.4	.57	20.	2.5	NO	11

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE	
1 I	6-19	153.4	5576.2	5576.2	25144.8	.57	20.	2.5	NO	11
1 C	6-19	153.4	5576.2	5576.2	25144.8	.57	20.	2.5	NO	10
1 S	6-19	153.4	5576.2	5576.2	25144.8	.57	20.	2.5	NO	11
2 I	6-46	-80.4	5576.2	5576.2	23440.4	.57	20.	2.5	NO	11
2 C	6-46	-80.4	5576.2	5576.2	23367.7	.57	20.	2.5	NO	10
2 S	6-46	-80.4	5576.2	5576.2	23294.9	.57	20.	2.5	NO	11
3 I	6-41	-63.2	5576.2	5576.2	21544.4	.57	20.	2.5	NO	11
3 C	6-41	-63.2	5576.2	5576.2	21471.7	.57	20.	2.5	NO	10
3 S	6-41	-63.2	5576.2	5576.2	21399.	.57	20.	2.5	NO	11

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	18- 1	-42348.4	-8122.5	45505.1	-38.	-398.4	SI
1 C	18- 2	-42225.	-10434.9	28043.6	-36.1	-418.6	SI
1 S	18- 2	-42102.5	-10340.1	14635.5	-34.4	-436.5	SI
2 I	18- 2	-28089.6	-10337.2	60649.8	-29.4	-213.7	SI
2 C	18- 2	-27569.	-8245.3	12367.	-23.1	-279.7	SI
2 S	19- 2	-27049.	-7179.2	-36079.8	-25.4	-241.6	SI
3 I	18- 2	-13065.6	-5238.4	50977.1	-16.5	-66.3	SI
3 C	19- 2	-12545.4	-2759.6	-25631.8	-12.8	-100.2	SI
3 S	18- 2	-12024.4	584.8	-102183.5	-21.7	26.2	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	21- 1	-37900.6	-9624.3	32482.4	-33.3	-364.9	SI
1 C	21- 2	-37777.9	-10141.8	21981.3	-32.1	-377.8	SI
1 S	21- 2	-37655.4	-10177.9	12290.9	-30.8	-390.2	SI
2 I	21- 2	-24735.9	-10077.1	50690.7	-25.7	-190.7	SI
2 C	21- 2	-24215.3	-8170.2	9205.9	-20.2	-246.8	SI
2 S	22- 2	-23694.8	-6468.4	-32311.7	-22.3	-210.4	SI
3 I	21- 2	-10795.7	-5197.6	37792.2	-13.2	-59.7	SI
3 C	22- 2	-10275.1	-2418.1	-17124.1	-10.	-87.3	SI
3 S	21- 2	-9754.4	534.6	-72029.1	-16.	-3.1	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	23- 1	-36606.2	-10027.5	29206.9	-32.	-354.5	SI
1 C	23- 1	-36483.7	-10094.8	20382.8	-30.9	-365.6	SI
1 S	23- 1	-36361.2	-10162.2	11558.8	-29.8	-376.8	SI
2 I	23- 1	-23806.5	-10036.	47848.6	-24.7	-184.3	SI
2 C	23- 1	-23285.9	-8167.8	8368.	-19.4	-237.5	SI
2 S	23- 1	-22765.3	-6299.7	-31112.5	-21.5	-201.9	SI
3 I	23- 1	-10228.7	-5193.2	34319.7	-12.3	-58.3	SI
3 C	23- 1	-9708.1	-2336.5	-14987.7	-9.3	-84.1	SI
3 S	23- 1	-9187.4	520.2	-64295.1	-14.6	-9.4	SI

MESSAGGI

3) Armatura longitudinale insufficiente [7.4.6.2.2].

10) Passo staffe insufficiente [4.1.6.1.2].

11) Passo staffe insufficiente [7.4.6.2.2].

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P004 (ID=35)
 Aste : 195; 4; 36
 Metodo di verifica : stati limite - NTC18 (q=1.5 ; muphi=2.4) ->
 Duttilita' : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capito 7 attivi.
 Unita' di misura : cm; daN/cm; daN/cm; daN/cm2; deform.%; 1/r â€°(permille)
 Unita' particolari : fessure [wk];mm - ferri:mm e cm2 - sezioni:cm e derivate.
 Copriferr (assi) : longitudinali= 3.5 ; staffe= 2.5
 Imperfezioni : M minimo = N * e0 ; M aggiunto = N * ei
 Instabilita' : rigidezza nominale [EC2 5.8.7]; fief=3

MATERIALI

CLS : C20/25; Rck=250; fck=207.5; fctk=15.86; fctm=22.65; Ecm=302005;
 gc=1.5; fcd=117.6; fbd=23.79; fctd=10.57; Ec2=0.2%; Ecu=0.35%
 ACCIAIO: FeB32 (1972); ftk=3200; fyk=3200; Es=2000000; gs=1.15; fyd=2782.6;
 ftd=2782.6; fud=2782.6; Eyd=0.1391%; Eud=3.99996%

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.

CLS : σ_c (rara)=124.5; σ_c (quasi permanente)=93.4; fbd(esercizio)=23.79ACCIAIO: σ_f (rara)=2560; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (sismico)	2
3	SLU VENTOY	SLU (sismico)	2
6	SLU con SISMAY PRINC	SLU (sismico)	64
7	SLU con SISMAY PRINC	SLU (sismico)	64
12	SLU GER SISMAY PRINC	SLU (sismico)	64
13	SLU GER SISMAY PRINC	SLU (sismico)	64
17	Rara	RARA	1
18	Rara VentoX	RARA	2
19	Rara VentoY	RARA	2
20	Frequente	FREQUENTE	1
21	Frequente VentoX	FREQUENTE	2
22	Frequente VentoY	FREQUENTE	2
23	Quasi Perm	QUASI PERMAN.	1

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SEZIONI UTILIZZATE

1) Rettangolare: base=35; alt.=35; Acls=1225; iy=10.1; iz=10.1

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2.	2.	.27	.27	80.	56.	0.	0.	8.04	.657	4φ16
2	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657	4φ16
3	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657	4φ16

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (inclusi imperfezioni e second'ordine):

Asta	Caso	NEd	MEyd	MEzd	E c/s	σ_c	E acc	σ_f	VE
> 1	2- 2	-54281.	-124413.	124413.	1.88	-65.4	-.014	-285.6	SI
1	3- 2	-54111.	-4525.	125488.	1.01	-53.6	-.025	-502.3	SI
1	2- 2	-53963.	-123683.	198053.	1.09	-71.9	-.007	-149.8	SI
> 2	2- 2	-36476.	-131636.	-131636.	2.24	-54.6	-.001	-25.9	SI
2	2- 2	-35799.	-5376.	10830.	1.15	-28.1	-.022	-446.7	SI
2	2- 2	-35122.	-126751.	135278.	1.74	-53.6	0.	-9.9	SI
> 3	2- 1	-17666.	-59186.	-165707.	1.23	-40.6	.012	236.6	SI
3	3- 1	-16995.	-2397.	20594.	1.07	-15.2	-.009	-180.8	SI
3	2- 1	-16313.	-54651.	205213.	1.18	-47.	.024	478.7	SI

INSTABILITA' - RIGIDEZZA NOMINALE Y [EC2 5.8.7]:

Asta	Caso	NB	Jn	Jcls/Jn	Mcal	M0Ed	MEd	nu
1 S	2- 2	-4910290.	80.	10543.2	11.8609	-4549.	-122316.	.377
2 I	2- 2	-276833.9	340.	10736.5	11.6474	-5206.	-114291.	.253
3 S	2- 1	-272879.	340.	10583.1	11.8162	-1005.	-51113.	.123

INSTABILITA' - RIGIDEZZA NOMINALE Z [EC2 5.8.7]:

Asta	Caso	NB	Jn	Jcls/Jn	Mcal	M0Ed	MEd	nu
1 S	2- 2	-4910290.	80.	10543.2	11.8609	181473.	195864.	.377
2 I	2- 2	-276833.9	340.	10736.5	11.6474	-58842.	-114291.	.253
3 S	2- 1	-272879.	340.	10583.1	11.8162	173440.	191928.	.123

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	2- 2	1443.	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 C	2- 2	1443.	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 S	2- 2	1443.	5576.2	5576.2	25144.8	.57	20.	2.5	NO
2 I	6- 9	493.4	5576.2	5576.2	23092.9	.57	20.	2.5	NO
2 C	6- 9	493.4	5576.2	5576.2	23020.1	.57	20.	2.5	NO
2 S	6- 9	493.4	5576.2	5576.2	22947.4	.57	20.	2.5	NO
3 I	2- 1	907.1	5576.2	5576.2	22583.	.57	20.	2.5	NO

3 C	2- 1	907.1	5576.2	5576.2	22488.5	.57	20.	2.5	NO	10
3 S	2- 1	907.1	5576.2	5576.2	22394.	.57	20.	2.5	NO	11

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE	
1 I	6-45	-109.	5576.2	5576.2	24670.8	.57	20.	2.5	NO	11
1 C	6-45	-109.	5576.2	5576.2	24653.7	.57	20.	2.5	NO	10
1 S	6-45	-109.	5576.2	5576.2	24636.6	.57	20.	2.5	NO	11
2 I	6-46	-65.7	5576.2	5576.2	23111.3	.57	20.	2.5	NO	11
2 C	6-46	-65.7	5576.2	5576.2	23038.6	.57	20.	2.5	NO	10
2 S	6-46	-65.7	5576.2	5576.2	22965.9	.57	20.	2.5	NO	11
3 I	6-46	-40.	5576.2	5576.2	21443.	.57	20.	2.5	NO	11
3 C	6-46	-40.	5576.2	5576.2	21370.3	.57	20.	2.5	NO	10
3 S	6-46	-40.	5576.2	5576.2	21297.6	.57	20.	2.5	NO	11

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	18- 1	-38050.7	-2933.9	50085.6	-34.8	-351.	SI
1 C	19- 2	-37935.6	-3083.9	86557.9	-39.	-297.5	SI
1 S	18- 2	-37820.6	-3129.8	126414.6	-43.7	-239.2	SI
2 I	18- 1	-25623.7	-3288.1	-43348.5	-24.7	-220.8	SI
2 C	18- 2	-25118.8	-3230.9	6549.8	-19.9	-267.7	SI
2 S	19- 1	-24590.3	-3031.7	53971.1	-25.2	-194.4	SI
3 I	18- 1	-12438.4	-2339.3	-93870.8	-20.9	2.7	SI
3 C	19- 1	-11921.6	-1563.	13469.9	-10.7	-112.2	SI
3 S	18- 1	-11397.1	-705.6	120785.	-24.7	103.	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	21- 1	-33811.7	-3321.7	40684.8	-30.5	-316.4	SI
1 C	22- 2	-33690.7	-3287.6	76961.7	-34.7	-263.3	SI
1 S	21- 2	-33569.7	-3232.8	113915.4	-39.	-209.2	SI
2 I	21- 1	-22333.8	-3580.6	-42580.6	-22.2	-184.6	SI
2 C	21- 2	-21816.3	-3325.8	6488.9	-17.5	-230.6	SI
2 S	22- 1	-21294.1	-3042.5	55063.	-22.8	-155.9	SI
3 I	21- 1	-10085.8	-2411.	-80281.1	-17.6	12.	SI
3 C	22- 1	-9565.9	-1557.2	6801.9	-8.1	-95.3	SI
3 S	21- 1	-9044.5	-687.1	93879.9	-19.2	74.3	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	23- 1	-32592.6	-3436.	38277.7	-29.3	-306.	SI
1 C	23- 1	-32470.1	-3355.6	74140.8	-33.5	-253.5	SI
1 S	23- 1	-32347.6	-3275.2	110003.9	-37.7	-201.1	SI
2 I	23- 1	-21431.7	-3668.6	-41994.9	-21.5	-175.2	SI
2 C	23- 1	-20911.1	-3361.9	6383.2	-16.8	-220.6	SI
2 S	23- 1	-20390.5	-3055.3	54761.3	-22.1	-146.1	SI
3 I	23- 1	-9497.5	-2436.	-76525.3	-16.8	13.7	SI
3 C	23- 1	-8976.9	-1560.6	5323.1	-7.5	-90.8	SI
3 S	23- 1	-8456.3	-685.2	87171.5	-17.9	67.3	SI

MESSAGGI

3) Armatura longitudinale insufficiente [7.4.6.2.2].

10) Passo staffe insufficiente [4.1.6.1.2].

11) Passo staffe insufficiente [7.4.6.2.2].

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P005 (ID=36)
 Aste : 220; 29; 61
 Metodo di verifica : stati limite - NTC18 (q=1.5 ; μ_{phi} =2.4) ->
 Duttilita' : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capito 7 attivi.
 Unita' di misura : cm; daN; daN/cm; daNcm; daN/cm²; deform. %; 1/r °(permille)
 Unita' particolari : fessure [Wk];mm - ferri:mm e cm² - sezioni:cm e derivate.
 Copriferri (assi) : longitudinali= 3.5 ; staffe= 2.5
 Imperfezioni : M minimo = N * e0 ; M aggiunto = N * ei
 Instabilita' : rigidezza nominale [EC2 5.8.7]; η_{ief} =3

MATERIALI

CLS : C20/25; Rck=250; fck=207.5; fctk=15.86; fctm=22.65; Ecm=302005;
 gc=1.5; fcd=117.6; fbd=23.79; fctd=10.57; Ec2=0.2%; Ecu=0.35%
 ACCIAIO: FeB32 (1972); ftk=3200; fyk=3200; Es=2000000; gs=1.15; fyd=2782.6;
 ftd=2782.6; fud=2782.6; Eyd=0.1391%; Eud=3.99996%

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.

CLS : σ_c (rara)=124.5; σ_c (quasi permanente)=93.4; fbd(esercizio)=23.79ACCIAIO: σ_f (rara)=2560; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses

1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (sismico)	2
3	SLU VENTOY	SLU (sismico)	2
6	SLU con SISMAY PRINC	SLU (sismico)	64
7	SLU con SISMAY PRINC	SLU (sismico)	64
12	SLU GER SISMAY PRINC	SLU (sismico)	64
13	SLU GER SISMAY PRINC	SLU (sismico)	64
17	Rara	RARA	1
18	Rara VentoX	RARA	2
19	Rara VentoY	RARA	2
20	Frequente	FREQUENTE	1
21	Frequente VentoX	FREQUENTE	2
22	Frequente VentoY	FREQUENTE	2
23	Quasi Perm	QUASI PERMAN.	1

<-

SEZIONI UTILIZZATE

1) Rettangolare: base=35; alt.=35; Acl=1225; iy=10.1; iz=10.1

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2.	2.	.27	.27	80.	56.	0.	0.	8.04	.657	4φ16
2	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657	4φ16
3	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657	4φ16

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (inclusi imperfezioni e second'ordine):

Asta	Caso	NEd	MEyd	MEzd	E c/s	σc	E acc	σf	VE		
> 1	2- 1	-50328.	-115259.	47.9	115259.	6.63	-.061	-60.9	-.013	-265.6	SI
1	3- 2	-50161.	-2473.	1.01	-43602.	1.01	-.039	-41.8	-.03	-598.1	SI
1	2- 1	-50009.	-114529.	43.8	-117677.	1.14	-.061	-60.9	-.013	-258.3	SI
> 2	2- 1	-33826.	-120775.	39.3	120775.	1.91	-.049	-50.6	-.001	-30.	SI
2	2- 2	-33132.	-2821.	1.14	1513.	1.14	-.022	-24.8	-.022	-430.3	SI
2	2- 1	-32472.	-115942.	38.5	-115942.	1.8	-.047	-48.7	-.001	-29.3	SI
> 3	2- 2	-16357.	-54523.	26.1	135250.	1.25	-.032	-34.8	.008	151.4	SI
3	3- 1	-15684.	-2200.	1.06	-17969.	1.06	-.012	-13.9	-.008	-168.3	SI
3	2- 2	-15003.	-50011.	55.3	-169550.	1.19	-.037	-39.8	.017	330.1	SI

INSTABILITA' - RIGIDEZZA NOMINALE Y [EC2 5.8.7]:

Asta	Caso	NB	10	Jn	Jc/s/Jn	Mca1	M0Ed	MEd	nu
1 I	2- 1	-4906757.	80.	10535.6	11.8694	-2405.	-114076.	-115259.	.349
2 I	2- 1	-276276.7	340.	10714.9	11.6709	-3074.	-105988.	-120775.	.235
3 S	2- 2	-272603.7	340.	10572.5	11.8281	-904.	-47010.	-50011.	.114

INSTABILITA' - RIGIDEZZA NOMINALE Z [EC2 5.8.7]:

Asta	Caso	NB	10	Jn	Jc/s/Jn	Mca1	M0Ed	MEd	nu
1 I	2- 1	-4906757.	80.	10535.6	11.8694	17378.	114076.	115259.	.349
2 I	2- 1	-276276.7	340.	10714.9	11.6709	63231.	105988.	120775.	.235
3 S	2- 2	-272603.7	340.	10572.5	11.8281	-142373.	-159377.	-169550.	.114

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	2- 1	-1506.4	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 C	2- 1	-1506.4	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 S	2- 1	-1506.4	5576.2	5576.2	25144.8	.57	20.	2.5	NO
2 I	6-56	-467.6	5576.2	5576.2	22886.6	.57	20.	2.5	NO
2 C	6-56	-467.6	5576.2	5576.2	22813.8	.57	20.	2.5	NO
2 S	6-56	-467.6	5576.2	5576.2	22741.1	.57	20.	2.5	NO
3 I	2- 2	-738.1	5576.2	5576.2	22400.2	.57	20.	2.5	NO
3 C	2- 2	-738.1	5576.2	5576.2	22305.7	.57	20.	2.5	NO
3 S	2- 2	-738.1	5576.2	5576.2	22211.2	.57	20.	2.5	NO

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	6-42	135.5	5576.2	5576.2	24341.7	.57	20.	2.5	NO
1 C	6-42	135.5	5576.2	5576.2	24324.6	.57	20.	2.5	NO
1 S	6-42	135.5	5576.2	5576.2	24307.5	.57	20.	2.5	NO
2 I	6-42	60.8	5576.2	5576.2	22896.7	.57	20.	2.5	NO
2 C	6-42	60.8	5576.2	5576.2	22824.	.57	20.	2.5	NO
2 S	6-42	60.8	5576.2	5576.2	22751.3	.57	20.	2.5	NO
3 I	6-24	-48.	5576.2	5576.2	21348.2	.57	20.	2.5	NO
3 C	6-24	-48.	5576.2	5576.2	21275.4	.57	20.	2.5	NO
3 S	6-24	-48.	5576.2	5576.2	21202.7	.57	20.	2.5	NO

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	18- 1	-35308.2	-1625.8	12747.9	-28.1	-375.4	SI
1 C	19- 2	-35180.7	-1658.3	-29795.3	-30.	-349.6	SI
1 S	18- 1	-35063.2	-1775.1	-71969.6	-35.	-287.9	SI
2 I	18- 2	-23779.3	-1480.8	46684.9	-23.5	-197.9	SI
2 C	18- 2	-23258.7	-1703.2	913.9	-17.7	-257.1	SI
2 S	19- 1	-22743.6	-2798.3	-44869.7	-22.7	-187.	SI
3 I	18- 2	-11524.2	-1442.7	75864.2	-17.8	-18.6	SI
3 C	19- 1	-11006.3	-1414.3	-11828.7	-9.8	-104.5	SI
3 S	18- 2	-10482.9	-627.3	-99518.2	-20.6	53.2	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	21- 1	-31395.	-1448.8	13642.5	-25.3	-330.5	SI

1	C	22- 2	-31271.5	-1565.9	-25643.7	-26.6	-311.8	SI
1	S	21- 1	-31150.	-1699.9	-64856.2	-31.2	-254.3	SI
2	I	21- 2	-20750.	-1846.6	43830.3	-20.9	-167.5	SI
2	C	21- 1	-20231.6	-2032.7	-639.2	-15.4	-223.1	SI
2	S	22- 1	-19709.8	-2241.8	-44616.7	-20.3	-154.1	SI
3	I	21- 2	-9362.	-1565.	65436.9	-15.	-8.2	SI
3	C	22- 1	-8841.9	-1185.7	-7237.4	-7.6	-87.1	SI
3	S	21- 2	-8320.7	-654.6	-79911.1	-16.6	45.5	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE	
1	I	23- 1	-30269.4	-1421.6	13697.1	-24.4	-317.9	SI
1	C	23- 1	-30146.9	-1559.3	-24464.4	-25.6	-300.9	SI
1	S	23- 1	-30024.4	-1697.	-62625.9	-30.1	-244.9	SI
2	I	23- 1	-19919.3	-1952.7	42801.2	-20.2	-159.5	SI
2	C	23- 1	-19398.7	-2032.5	-677.2	-14.8	-213.7	SI
2	S	23- 1	-18878.1	-2112.3	-44155.6	-19.6	-145.7	SI
3	I	23- 1	-8821.5	-1603.1	62510.3	-14.3	-6.	SI
3	C	23- 1	-8300.9	-1133.4	-6197.4	-7.1	-82.6	SI
3	S	23- 1	-7780.2	-663.6	-74905.1	-15.5	43.2	SI

MESSAGGI

- 3) Armatura longitudinale insufficiente [7.4.6.2.2].
 10) Passo staffe insufficiente [4.1.6.1.2].
 11) Passo staffe insufficiente [7.4.6.2.2].

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P006 (ID=37)
 Aste : 221; 30; 62
 Metodo di verifica : stati limite - NTC18 (q=1.5 ; muphi=2.4) ->
 Duttilita' : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capito 7 attivi.
 Unita' di misura : cm; daN/cm; daN/cm; daN/cm2; deform. %; 1/r â€°(permille)
 Unita' particolari : fessure [wk]:mm - ferri:mm e cm2 - sezioni:cm e derivate.
 Copriferrì (assi) : longitudinali= 3.5 ; staffe= 2.5
 Imperfezioni : M minimo = N * e0 ; M aggiunto = N * ei
 Instabilita' : rigidezza nominale [EC2 5.8.7]; fief=3

MATERIALI

CLS : C20/25; Rck=250; fck=207.5; fctk=15.86; fctm=22.65; Ecm=302005;
 gc=1.5; fcd=117.6; fbd=23.79; fctd=10.57; Ec2=0.2%; Ecu=0.35%
 ACCIAIO: FeB32 (1972); ftk=3200; fyk=3200; Es=2000000; gs=1.15; fyd=2782.6;
 ftd=2782.6; fud=2782.6; Eyd=0.1391%; Eud=3.99996%

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.

CLS : σc (rara)=124.5; σc (quasi permanente)=93.4; fbd(esercizio)=23.79
 ACCIAIO: σf (rara)=2560; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (sismico)	2
3	SLU VENTOY	SLU (sismico)	2
6	SLU con SISMAY PRINC	SLU (sismico)	64
7	SLU con SISMAY PRINC	SLU (sismico)	64
12	SLU GER SISMAY PRINC	SLU (sismico)	64
13	SLU GER SISMAY PRINC	SLU (sismico)	64
17	Rara	RARA	1
18	Rara VentoX	RARA	2
19	Rara VentoY	RARA	2
20	Frequente	FREQUENTE	1
21	Frequente VentoX	FREQUENTE	2
22	Frequente VentoY	FREQUENTE	2
23	Quasi Perm	QUASI PERMAN.	1

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SEZIONI UTILIZZATE

- 1) Rettangolare: base=35; alt.=35; Acl=1225; iy=10.1; iz=10.1

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2.	2.	.13	.13	340.	316.	53.	53.	8.04	.657	4φ16
2	1	2.	2.	.13	.13	340.	316.	53.	53.	8.04	.657	4φ16
3	1	2.	2.	.13	.13	340.	316.	53.	53.	8.04	.657	4φ16

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (inclusi imperfezioni e second'ordine):

Asta	Caso	NEd	MEyd	MEzd	E c l s	σc	E acc	σf	VE
> 1	2- 2	-49796.	-114028.	114028.	6.23	-60.3	-.013	-262.9	SI
1	2- 1	-49622.	-4819.	43737.	1.01	-41.7	-.029	-585.7	SI

1	2- 2	-49478.	-113299.	52.8	113299.	1.68	-0.06	-60.	-0.013	-261.3	SI
> 2	2- 1	-33097.	-117825.	24.3	-139475.	1.64	-0.05	-51.8	0.	9.2	SI
2	2- 1	-32420.	-4906.	1.14	-5319.	1.14	-0.023	-25.	-0.021	-410.2	SI
2	2- 2	-31758.	-113068.	37.5	127082.	1.68	-0.047	-49.1	0.	-4.5	SI
> 3	2- 1	-15468.	-51385.	17.2	-122299.	1.25	-0.029	-32.1	.006	124.5	SI
3	3- 1	-14795.	-2020.	1.06	28243.	1.06	-0.013	-14.4	-0.007	-140.2	SI
3	2- 1	-14115.	-46889.	219.	177150.	1.17	-0.038	-40.9	.02	407.1	SI

INSTABILITA' - RIGIDEZZA NOMINALE Y [EC2 5.8.7]:

Asta	Caso	NB	10	Jn	JcIs/Jn	McaI	M0Ed	MEd	nu
1 I	2- 2	-4906282.	80.	10534.6	11.8706	-1758.	-112871.	-114028.	.346
2 I	2- 1	-276123.4	340.	10709.	11.6773	-4845.	-103703.	-117825.	.23
3 S	2- 1	-272416.9	340.	10565.2	11.8362	-214.	-44226.	-46889.	.107

INSTABILITA' - RIGIDEZZA NOMINALE Z [EC2 5.8.7]:

Asta	Caso	NB	10	Jn	JcIs/Jn	McaI	M0Ed	MEd	nu
1 I	2- 2	-4906282.	80.	10534.6	11.8706	18296.	112871.	114028.	.346
2 I	2- 1	-276123.4	340.	10709.	11.6773	-85248.	-122757.	-139475.	.23
3 S	2- 1	-272416.9	340.	10565.2	11.8362	151094.	167091.	177150.	.107

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	2- 2	614.2	5576.2	5576.2	25144.8	.57	20.	2.5	NO 11
1 C	2- 2	614.2	5576.2	5576.2	25144.8	.57	20.	2.5	NO 10
1 S	2- 2	614.2	5576.2	5576.2	25144.8	.57	20.	2.5	NO 11
2 I	6- 9	487.1	5576.2	5576.2	22873.	.57	20.	2.5	NO 11
2 C	6- 9	487.1	5576.2	5576.2	22800.3	.57	20.	2.5	NO 10
2 S	6- 9	487.1	5576.2	5576.2	22727.6	.57	20.	2.5	NO 11
3 I	2- 1	732.1	5576.2	5576.2	22276.1	.57	20.	2.5	NO 11
3 C	2- 1	732.1	5576.2	5576.2	22181.6	.57	20.	2.5	NO 10
3 S	2- 1	732.1	5576.2	5576.2	22087.1	.57	20.	2.5	NO 11

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	6-23	-140.2	5576.2	5576.2	24340.7	.57	20.	2.5	NO 11
1 C	6-23	-140.2	5576.2	5576.2	24323.6	.57	20.	2.5	NO 10
1 S	6-23	-140.2	5576.2	5576.2	24306.5	.57	20.	2.5	NO 11
2 I	6-23	-64.5	5576.2	5576.2	22880.3	.57	20.	2.5	NO 11
2 C	6-23	-64.5	5576.2	5576.2	22807.6	.57	20.	2.5	NO 10
2 S	6-23	-64.5	5576.2	5576.2	22734.8	.57	20.	2.5	NO 11
3 I	6-24	-47.7	5576.2	5576.2	21314.4	.57	20.	2.5	NO 11
3 C	6-24	-47.7	5576.2	5576.2	21241.7	.57	20.	2.5	NO 10
3 S	6-24	-47.7	5576.2	5576.2	21169.	.57	20.	2.5	NO 11

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	18- 1	-34964.8	-3333.7	17896.5	-28.7	-361.8	SI
1 C	18- 1	-34842.3	-3181.8	30729.	-30.1	-342.3	SI
1 S	18- 2	-34729.8	-1435.9	46389.1	-31.7	-321.2	SI
2 I	18- 1	-23320.4	-3252.3	-59340.9	-24.9	-172.2	SI
2 C	18- 1	-22799.8	-2923.8	-3210.9	-17.8	-246.9	SI
2 S	19- 1	-22284.4	-3075.2	52917.8	-23.3	-170.	SI
3 I	18- 1	-10943.9	-2056.9	-67386.5	-16.4	-23.6	SI
3 C	19- 1	-10425.7	-1314.6	18248.8	-10.1	-89.	SI
3 S	18- 1	-9902.6	-163.9	103879.8	-21.2	84.5	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	21- 1	-31325.2	-2541.6	21194.7	-26.2	-317.4	SI
1 C	21- 1	-31202.7	-2503.7	30846.4	-27.3	-302.3	SI
1 S	21- 2	-31082.2	-2147.	41063.6	-28.4	-286.9	SI
2 I	21- 1	-20567.1	-2638.2	-51042.3	-21.8	-154.	SI
2 C	21- 1	-20046.5	-2521.9	-1297.3	-15.4	-219.4	SI
2 S	22- 1	-19526.9	-2501.6	48447.4	-20.7	-146.3	SI
3 I	21- 1	-9056.7	-1854.2	-53034.8	-13.3	-23.2	SI
3 C	22- 1	-8536.6	-1078.2	11042.5	-7.8	-78.4	SI
3 S	21- 1	-8015.5	-220.6	75119.	-15.6	37.1	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	23- 1	-30266.9	-2364.2	21807.8	-25.5	-304.9	SI
1 C	23- 1	-30144.4	-2354.2	30661.7	-26.5	-290.9	SI
1 S	23- 1	-30021.9	-2344.3	39515.6	-27.4	-276.9	SI
2 I	23- 1	-19805.	-2503.4	-48551.3	-20.9	-149.2	SI
2 C	23- 1	-19284.4	-2435.7	-829.1	-14.8	-211.6	SI
2 S	23- 1	-18763.7	-2368.	46893.1	-19.9	-140.1	SI
3 I	23- 1	-8585.6	-1811.8	-49219.8	-12.5	-23.4	SI
3 C	23- 1	-8064.9	-1023.9	9315.5	-7.3	-75.7	SI
3 S	23- 1	-7544.3	-236.1	67850.8	-14.2	26.4	SI

MESSAGGI

- 3) Armatura longitudinale insufficiente [7.4.6.2.2].
 10) Passo staffe insufficiente [4.1.6.1.2].
 11) Passo staffe insufficiente [7.4.6.2.2].

Nome pilastro : P007 (ID=38)
 Aste : 222; 31; 63
 Metodo di verifica : stati limite - NTC18 (q=1.5 ; muphi=2.4) ->
 Duttilita' : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capito 7 attivi.
 Unita' di misura : cm; daN; daN/cm; daNcm; daN/cm2; deform.%; 1/r â€°(permille)
 Unita' particolari : fessure [wk];mm - ferri:mm e cm2 - sezioni:cm e derivate.
 Copriferrì (assi) : longitudinali= 3.5 ; staffe= 2.5
 Imperfezioni : M minimo = N * e0 ; M aggiunto = N * ei
 Instabilita' : rigidezza nominale [EC2 5.8.7]; fief=3

MATERIALI

CLS : C20/25; Rck=250; fck=207.5; fctk=15.86; fctm=22.65; Ecm=302005;
 gc=1.5; fcd=117.6; fbd=23.79; fctd=10.57; Ec2=0.2%; Ecu=0.35%
 ACCIAIO: FeB32 (1972); ftk=3200; fyk=3200; Es=2000000; gs=1.15; fyd=2782.6;
 ftd=2782.6; fud=2782.6; Eyd=0.1391%; Eud=3.99996%

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.

CLS : σ_c (rara)=124.5; σ_c (quasi permanente)=93.4; fbd(esercizio)=23.79ACCIAIO: σ_f (rara)=2560; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (sismico)	2
3	SLU VENTOY	SLU (sismico)	2
6	SLU con SISMAY PRINC	SLU (sismico)	64
7	SLU con SISMAY PRINC	SLU (sismico)	64
12	SLU GER SISMAY PRINC	SLU (sismico)	64
13	SLU GER SISMAY PRINC	SLU (sismico)	64
17	Rara	RARA	1
18	Rara VentoX	RARA	2
19	Rara VentoY	RARA	2
20	Frequente	FREQUENTE	1
21	Frequente VentoX	FREQUENTE	2
22	Frequente VentoY	FREQUENTE	2
23	Quasi Perm	QUASI PERMAN.	1

<-

SEZIONI UTILIZZATE

1) Rettangolare: base=35; alt.=35; Acls=1225; iy=10.1; iz=10.1

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	iez	eyi	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm		
1	1	2	2	.27	.27	80.	56.	0.	0.	8.04	.657	4φ16	3
2	1	2	2	.13	.13	340.	316.	53.	53.	8.04	.657	4φ16	3
3	1	2	2	.13	.13	340.	316.	53.	53.	8.04	.657	4φ16	3

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (inclusi imperfezioni e second'ordine):

Asta	Caso	NEd	MEyd	MEzd	E cIs	σ_c	E acc	σ_f	VE		
> 1	2- 2	-41105.	-93960.	15.1	-93960.	1.63	-.049	-50.3	-.011	-218.3	SI
1	2- 1	-40936.	-12850.	1.01	-23452.	1.01	-.031	-34.1	-.024	-483.4	SI
1	2- 2	-40787.	-93232.	10.1	93232.	8.98	-.048	-49.9	-.011	-216.6	SI
> 2	2- 1	-26931.	-93551.	7.61	-140490.	1.46	-.043	-45.4	.003	53.5	SI
2	2- 1	-26254.	-8658.	1.11	-6523.	1.11	-.019	-21.	-.016	-317.2	SI
2	2- 1	-25577.	-88849.	26.7	125743.	1.49	-.04	-42.4	.002	34.4	SI
> 3	2- 1	-11757.	-38504.	24.7	-71966.	1.3	-.019	-21.5	.002	37.4	SI
3	2- 1	-11080.	-295.	1.05	7748.	1.05	-.008	-9.1	-.006	-128.3	SI
3	2- 1	-10403.	34071.	34.2	85858.	1.22	-.02	-22.3	.005	91.5	SI

INSTABILITA' - RIGIDEZZA NOMINALE Y [EC2 5.8.7]:

Asta	Caso	NB	10	Jn	JcIs/Jn	McaI	M0Ed	MEd	nu
1 I	2- 2	-4898516.	80.	10517.9	11.8894	-6217.	-93172.	-93960.	.285
2 I	2- 1	-274827.	340.	10658.7	11.7324	-12291.	-84384.	-93551.	.187
3 S	2- 1	-271636.5	340.	10534.9	11.8702	996.	32596.	34071.	.082

INSTABILITA' - RIGIDEZZA NOMINALE Z [EC2 5.8.7]:

Asta	Caso	NB	T0	Jn	JcIs/Jn	McaI	M0Ed	MEd	nu
1 I	2- 2	-4898516.	80.	10517.9	11.8894	-57487.	-93172.	-93960.	.285
2 I	2- 1	-274827.	340.	10658.7	11.7324	-96201.	-126723.	-140490.	.187
3 S	2- 1	-271636.5	340.	10534.9	11.8702	70352.	82142.	85858.	.082

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	2- 2	848.3	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 C	2- 2	848.3	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 S	2- 2	848.3	5576.2	5576.2	25144.8	.57	20.	2.5	NO
2 I	2- 1	531.3	5576.2	5576.2	23876.9	.57	20.	2.5	NO
2 C	2- 1	531.3	5576.2	5576.2	23782.4	.57	20.	2.5	NO
2 S	2- 1	531.3	5576.2	5576.2	23687.9	.57	20.	2.5	NO
3 I	2- 1	370.2	5576.2	5576.2	21757.8	.57	20.	2.5	NO
3 C	2- 1	370.2	5576.2	5576.2	21663.2	.57	20.	2.5	NO
3 S	2- 1	370.2	5576.2	5576.2	21568.7	.57	20.	2.5	NO

TAGLIO Z:

Asta	Caso	VED	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	6-42	121.1	5576.2	5576.2	23667.8	.57	20.	2.5	NO
1 C	6-42	121.1	5576.2	5576.2	23650.7	.57	20.	2.5	NO
1 S	6-42	121.1	5576.2	5576.2	23633.6	.57	20.	2.5	NO
2 I	6-23	-67.5	5576.2	5576.2	22424.2	.57	20.	2.5	NO
2 C	6-23	-67.5	5576.2	5576.2	22351.5	.57	20.	2.5	NO
2 S	6-23	-67.5	5576.2	5576.2	22278.8	.57	20.	2.5	NO
3 I	6-20	-31.5	5576.2	5576.2	21076.3	.57	20.	2.5	NO
3 C	6-20	-31.5	5576.2	5576.2	21003.6	.57	20.	2.5	NO
3 S	6-20	-31.5	5576.2	5576.2	20930.9	.57	20.	2.5	NO

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	18- 1	-28933.9	-7842.7	-36359.1	-26.9	-261.4	SI
1 C	18- 1	-28811.4	-8530.3	-16172.6	-24.5	-287.8	SI
1 S	19- 2	-28692.2	-7915.2	5472.9	-23.	-302.6	SI
2 I	18- 1	-19048.9	-8245.4	-67213.6	-23.2	-105.9	SI
2 C	18- 1	-18528.3	-5285.2	-4130.9	-15.	-194.3	SI
2 S	18- 1	-18007.7	-2325.	58951.7	-20.8	-114.5	SI
3 I	18- 1	-8385.4	-1160.3	-38607.8	-11.	-37.3	SI
3 C	18- 1	-7864.8	-284.5	5314.5	-6.5	-80.2	SI
3 S	18- 1	-7344.1	591.4	49236.8	-11.4	-10.9	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	21- 1	-26224.8	-6262.9	-27328.5	-23.6	-246.1	SI
1 C	21- 1	-26102.3	-7057.2	-10869.	-21.6	-267.1	SI
1 S	22- 2	-25980.5	-7590.9	5882.3	-21.	-272.1	SI
2 I	21- 1	-17087.5	-6890.6	-54758.2	-20.1	-103.6	SI
2 C	21- 1	-16566.9	-4508.4	-2955.3	-13.3	-175.1	SI
2 S	21- 1	-16046.3	-2126.2	48847.5	-18.1	-107.2	SI
3 I	21- 1	-7177.1	-1008.7	-30297.1	-9.1	-35.8	SI
3 C	21- 1	-6656.5	-241.1	4203.5	-5.5	-68.3	SI
3 S	21- 1	-6135.9	526.5	38704.	-9.3	-12.8	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	23- 1	-25422.9	-5896.9	-24899.3	-22.7	-241.1	SI
1 C	23- 1	-25300.4	-6714.5	-9459.4	-20.8	-260.6	SI
1 S	23- 1	-25177.9	-7532.1	5980.4	-20.4	-263.1	SI
2 I	23- 1	-16535.5	-6576.1	-51214.5	-19.2	-102.9	SI
2 C	23- 1	-16014.9	-4331.8	-2633.	-12.8	-169.7	SI
2 S	23- 1	-15494.2	-2087.5	45948.6	-17.3	-105.2	SI
3 I	23- 1	-6875.7	-981.5	-28007.4	-8.6	-35.7	SI
3 C	23- 1	-6355.1	-234.7	3915.4	-5.2	-65.3	SI
3 S	23- 1	-5834.5	512.1	35838.2	-8.7	-13.5	SI

MESSAGGI

- 3) Armatura longitudinale insufficiente [7.4.6.2.2].
 10) Passo staffe insufficiente [4.1.6.1.2].
 11) Passo staffe insufficiente [7.4.6.2.2].

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P008 (ID=39)
 Aste : 223; 32; 64
 Metodo di verifica : stati limite - NTC18 (q=1.5 ; μ_{phi} =2.4) ->
 Duttilita' : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capito 7' attivi.
 Unità di misura : cm; daN; daN/cm; daNcm; daN/cm²; deform. %; 1/r ‰ (permille)
 Unità particolari : fessure [wk]:mm - ferri:mm e cm² - sezioni:cm e derivate.
 Copriferri (assi) : longitudinali= 3.5 ; staffe= 2.5
 Imperfezioni : M minimo = N * e₀ ; M aggiunto = N * e_i
 Instabilità : rigidezza nominale [EC2 5.8.7]; η =3

MATERIALI

CLS : C20/25; R_{ck}=250; f_{ck}=207.5; f_{ctk}=15.86; f_{ctm}=22.65; E_{cm}=302005;
 gc=1.5; f_{cd}=117.6; f_{bd}=23.79; f_{ctd}=10.57; E_{c2}=0.2%; E_{cu}=0.35%
 ACCIAIO: FeB32 (1972); f_{tk}=3200; f_{yk}=3200; E_s=2000000; g_s=1.15; f_{yd}=2782.6;
 f_{td}=2782.6; f_{ud}=2782.6; E_{yd}=0.1391%; E_{ud}=3.99996%

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.
 CLS : σ_c (rara)=124.5; σ_c (quasi permanente)=93.4; f_{bd}(esercizio)=23.79
 ACCIAIO: σ_f (rara)=2560; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (sismico)	2
3	SLU VENTYO	SLU (sismico)	2
6	SLU con SISMAX PRINC	SLU (sismico)	64

7	SLU con SISMAY PRINC	SLU (sismico)	64
12	SLU GER SISMAY PRINC	SLU (sismico)	64
13	SLU GER SISMAY PRINC	SLU (sismico)	64
17	Rara	RARA	1
18	Rara VentoX	RARA	2
19	Rara VentoY	RARA	2
20	Frequente	FREQUENTE	1
21	Frequente VentoX	FREQUENTE	2
22	Frequente VentoY	FREQUENTE	2
23	Quasi Perm	QUASI PERMAN.	1

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SEZIONI UTILIZZATE

1) Rettangolare: base=35; alt.=35; Acl=1225; iy=10.1; iz=10.1

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2.	2.	.27	.27	80.	56.	0.	0.	8.04	.657	4φ16
2	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657	4φ16
3	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657	4φ16

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (inclusi imperfezioni e second'ordine):

Asta	Caso	NEd	MEyd	MEzd	E c/s	σc	E acc	σf	VE
> 1	2- 2	-40524.	-92622.	2.25	-194809.	1.07	-0.06	-59.8	-0.002
1	2- 1	-40364.	-43318.	1.01	-97975.	1.01	-0.043	-45.	-0.015
1	2- 2	-40206.	-91894.	3.45	-91894.	7.48	-0.048	-49.3	-0.011
> 2	2- 1	-26666.	-92535.	6.12	-150281.	1.42	-0.044	-46.3	.004
2	2- 1	-25989.	-12969.	1.11	-9537.	1.11	-0.019	-21.7	-0.015
2	2- 1	-25313.	-87838.	10.6	129507.	1.47	-0.04	-42.5	.002
> 3	2- 1	-11834.	38768.	2.5	-66323.	1.33	-0.019	-20.8	.001
3	2- 1	-11157.	6670.	1.05	11092.	1.05	-0.009	-10.3	-0.006
3	2- 1	-10480.	-34334.	12.5	86902.	1.22	-0.02	-22.5	.005

INSTABILITA' - RIGIDEZZA NOMINALE Y [EC2 5.8.7]:

Asta	Caso	NB	10	Jn	Jc/s/Jn	Mca1	M0Ed	MEd	nu
1 I	2- 2	-4897997.	80.	10516.8	11.8907	-41085.	-91855.	-92622.	.281
2 I	2- 1	-274771.4	340.	10656.5	11.7348	-15131.	-83554.	-92535.	.185
3 S	2- 1	-271652.7	340.	10535.6	11.8695	-2738.	-32838.	-34334.	.082

INSTABILITA' - RIGIDEZZA NOMINALE Z [EC2 5.8.7]:

Asta	Caso	NB	10	Jn	Jc/s/Jn	Mca1	M0Ed	MEd	nu
1 I	2- 2	-4897997.	80.	10516.8	11.8907	-182391.	-193197.	-194809.	.281
2 I	2- 1	-274771.4	340.	10656.5	11.7348	-105475.	-135697.	-150281.	.185
3 S	2- 1	-271652.7	340.	10535.6	11.8695	71239.	83116.	86902.	.082

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	2- 2	2126.3	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 C	2- 2	2126.3	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 S	2- 2	2126.3	5576.2	5576.2	25144.8	.57	20.	2.5	NO
2 I	2- 1	569.8	5576.2	5576.2	23840.	.57	20.	2.5	NO
2 C	2- 1	569.8	5576.2	5576.2	23745.4	.57	20.	2.5	NO
2 S	2- 1	569.8	5576.2	5576.2	23650.9	.57	20.	2.5	NO
3 I	2- 1	356.6	5576.2	5576.2	21768.5	.57	20.	2.5	NO
3 C	2- 1	356.6	5576.2	5576.2	21674.	.57	20.	2.5	NO
3 S	2- 1	356.6	5576.2	5576.2	21579.5	.57	20.	2.5	NO

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	3- 1	-186.	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 C	3- 1	-186.	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 S	3- 1	-186.	5576.2	5576.2	25144.8	.57	20.	2.5	NO
2 I	6-34	52.8	5576.2	5576.2	22402.3	.57	20.	2.5	NO
2 C	6-34	52.8	5576.2	5576.2	22329.6	.57	20.	2.5	NO
2 S	6-34	52.8	5576.2	5576.2	22256.9	.57	20.	2.5	NO
3 I	3- 1	54.4	5576.2	5576.2	21768.4	.57	20.	2.5	NO
3 C	3- 1	54.4	5576.2	5576.2	21673.9	.57	20.	2.5	NO
3 S	3- 1	54.4	5576.2	5576.2	21579.3	.57	20.	2.5	NO

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	18- 1	-28534.	-33884.9	-125628.8	-40.3	-92.3	SI
1 C	18- 1	-28411.5	-29202.8	-68540.1	-32.9	-179.1	SI
1 S	18- 1	-28289.	-24520.8	-11451.5	-25.4	-265.9	SI
2 I	18- 1	-18862.2	-9971.7	-74182.8	-24.1	-91.4	SI
2 C	18- 1	-18341.5	-7807.7	-5963.4	-15.4	-186.	SI
2 S	19- 2	-17820.9	-6249.	61968.	-21.4	-102.5	SI
3 I	18- 1	-8437.1	10530.7	-35135.3	-11.7	-29.4	SI
3 C	18- 1	-7916.5	3939.2	7384.1	-7.3	-72.6	SI
3 S	18- 1	-7395.9	-2652.2	49903.5	-11.8	-7.4	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	21- 1	-25856.9	-30257.2	-105982.6	-35.5	-95.5	SI
1 C	21- 1	-25734.4	-25797.6	-57507.9	-29.1	-169.7	SI
1 S	21- 1	-25611.9	-21338.1	-9033.1	-22.8	-243.9	SI
2 I	21- 1	-16914.	-6937.6	-59245.6	-20.5	-95.2	SI
2 C	21- 1	-16393.4	-6620.8	-4682.5	-13.6	-167.7	SI

2 S	22- 2	-15872.8	-6425.1	49822.9	-18.6	-97.7	SI
3 I	21- 1	-7199.1	9931.7	-26140.1	-9.7	-29.2	SI
3 C	21- 1	-6678.4	3733.9	6378.1	-6.2	-60.5	SI
3 S	21- 1	-6157.7	-2463.9	38896.4	-9.5	-9.9	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	23- 1	-25066.6	-29362.9	-100232.	-34.2	-96.1	SI
1 C	23- 1	-24944.1	-24965.3	-54305.5	-28.1	-166.6	SI
1 S	23- 1	-24821.6	-20567.7	-8378.9	-22.	-237.	SI
2 I	23- 1	-16367.3	-6218.4	-55029.	-19.5	-96.1	SI
2 C	23- 1	-15846.6	-6348.9	-4310.2	-13.1	-162.5	SI
2 S	23- 1	-15326.	-6479.4	46408.6	-17.7	-96.4	SI
3 I	23- 1	-6891.1	9764.9	-23601.5	-9.1	-29.7	SI
3 C	23- 1	-6370.5	3682.8	6034.9	-5.9	-57.6	SI
3 S	23- 1	-5849.9	-2399.3	35671.3	-8.9	-11.3	SI

MESSAGGI

3) Armatura longitudinale insufficiente [7.4.6.2.2].

10) Passo staffe insufficiente [4.1.6.1.2].

11) Passo staffe insufficiente [7.4.6.2.2].

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P009 (ID=40)
 Aste : 196; 5; 37
 Metodo di verifica : stati limite - NTC18 ($q=1.5$; $\mu_{phi}=2.4$) ->
 Duttilita' : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capito 7 attivi.
 Unita' di misura : cm; daN; daN/cm; daNcm; daN/cm²; deform. %; 1/r $\hat{=}$ (permille)
 Unita' particolari : fessure [wk]:mm - ferri:mm e cm² - sezioni:cm e derivate.
 Copriferri (assi) : longitudinali= 3.5 ; staffe= 2.5
 Imperfezioni : M minimo = N * e₀ ; M aggiunto = N * e_i
 Instabilita' : rigidezza nominale [EC2 5.8.7]; $\eta_{ief}=3$

MATERIALI

CLS : C20/25; $R_{ck}=250$; $f_{ck}=207.5$; $f_{ctk}=15.86$; $f_{ctm}=22.65$; $E_{cm}=302005$;
 $g_c=1.5$; $f_{cd}=117.6$; $f_{bd}=23.79$; $f_{ctd}=10.57$; $E_{c2}=0.2\%$; $E_{cu}=0.35\%$
 ACCIAIO: FeB32 (1972); $f_{tk}=3200$; $f_{yk}=3200$; $E_s=2000000$; $g_s=1.15$; $f_{yd}=2782.6$;
 $f_{td}=2782.6$; $f_{ud}=2782.6$; $E_{yd}=0.1391\%$; $E_{ud}=3.99996\%$

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.

CLS : σ_c (rara)=124.5; σ_c (quasi permanente)=93.4; f_{bd} (esercizio)=23.79ACCIAIO: σ_f (rara)=2560; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (sismico)	2
3	SLU VENTOY	SLU (sismico)	2
6	SLU con SISMAY PRINC	SLU (sismico)	64
7	SLU con SISMAY PRINC	SLU (sismico)	64
12	SLU GER SISMAY PRINC	SLU (sismico)	64
13	SLU GER SISMAY PRINC	SLU (sismico)	64
17	Rara	RARA	1
18	Rara VentoX	RARA	2
19	Rara VentoY	RARA	2
20	Frequente	FREQUENTE	1
21	Frequente VentoX	FREQUENTE	2
22	Frequente VentoY	FREQUENTE	2
23	Quasi Perm	QUASI PERMAN.	1

<-

SEZIONI UTILIZZATE

1) Rettangolare: base=35; alt.=35; $A_{cls}=1225$; $i_y=10.1$; $i_z=10.1$

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2.	2.	.27	.27	80.	56.	0.	0.	8.04	.657	4 ϕ 16
2	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657	4 ϕ 16
3	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657	4 ϕ 16

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (inclusi imperfezioni e second'ordine):

RES30 - RES30B2 (RES30 - IMPETZ) Form E - Second of three											
Asta	Caso	NEd	MEyd	MEzd	E c1s	σ_c	E acc	σ_f	VE		
> 1	2- 1	-35301.	-303072.	1.04	-183141.	1.06	-.087	-80.3	.031	617.3	SI
1	2- 1	-35142.	-289906.	1.01	-15036.	1.01	-.059	-59.2	.005	101.8	SI
1	2- 1	-34983.	-295620.	1.04	152984.	1.07	-.08	-75.6	.025	493.5	SI
> 2	2- 2	-22188.	322912.	1.19	-261101.	1.22	-.112	-94.6	.092	1841.3	SI
2	2- 1	-21508.	-23037.	1.09	-10237.	1.09	-.017	-19.6	-.011	-223.2	SI
2	2- 2	-20835.	-352653.	1.17	243411.	1.22	-.116	-96.6	.104	2074.6	SI

> 3	2- 2	-7827.	253602.	1.07	-200511.	1.08	-.091	-82.4	.118	2361.6	SI
3	2- 1	-7150.	57238.	1.03	33022.	1.03	-.015	-16.6	.004	82.5	SI
3	2- 1	-6473.	-128515.	1.09	272878.	1.06	-.078	-74.2	.112	2246.7	SI

INSTABILITA' - RIGIDEZZA NOMINALE Y [EC2 5.8.7]:

Asta	Caso	NB	10	Jn	JcIs/Jn	McaI	M0Ed	MEd	nu
1 I	2- 1	-4893330.	80.	10506.8	11.902	-291471.	-300885.	-303072.	.245
2 S	2- 2	-273829.8	340.	10620.	11.7751	-300465.	-324078.	-352653.	.154
3 I	2- 2	-270810.2	340.	10502.9	11.9064	237401.	246272.	253602.	.054

INSTABILITA' - RIGIDEZZA NOMINALE Z [EC2 5.8.7]:

Asta	Caso	NB	10	Jn	JcIs/Jn	McaI	M0Ed	MEd	nu
1 I	2- 1	-4893330.	80.	10506.8	11.902	-172406.	-181820.	-183141.	.245
2 S	2- 2	-273829.8	340.	10620.	11.7751	200075.	223688.	243411.	.154
3 I	2- 2	-270810.2	340.	10502.9	11.9064	-185845.	-194715.	-200511.	.054

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	2- 2	4076.	5576.2	5576.2	25048.6	.57	20.	2.5	NO 11
1 C	2- 2	4076.	5576.2	5576.2	25026.3	.57	20.	2.5	NO 10
1 S	2- 2	4076.	5576.2	5576.2	25004.1	.57	20.	2.5	NO 11
2 I	2- 1	1232.6	5576.2	5576.2	23214.1	.57	20.	2.5	NO 11
2 C	2- 1	1232.6	5576.2	5576.2	23119.5	.57	20.	2.5	NO 10
2 S	2- 1	1232.6	5576.2	5576.2	23025.	.57	20.	2.5	NO 11
3 I	2- 1	1327.	5576.2	5576.2	21208.9	.57	20.	2.5	NO 11
3 C	2- 1	1327.	5576.2	5576.2	21114.4	.57	20.	2.5	NO 10
3 S	2- 1	1327.	5576.2	5576.2	21019.8	.57	20.	2.5	NO 11

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	6-17	335.8	5576.2	5576.2	23322.1	.57	20.	2.5	NO 11
1 C	6-17	335.8	5576.2	5576.2	23305.	.57	20.	2.5	NO 10
1 S	6-17	335.8	5576.2	5576.2	23287.9	.57	20.	2.5	NO 11
2 I	2- 2	1682.5	5576.2	5576.2	23214.6	.57	20.	2.5	NO 11
2 C	2- 2	1682.5	5576.2	5576.2	23120.1	.57	20.	2.5	NO 10
2 S	2- 2	1682.5	5576.2	5576.2	23025.5	.57	20.	2.5	NO 11
3 I	2- 2	1075.4	5576.2	5576.2	21209.	.57	20.	2.5	NO 11
3 C	2- 2	1075.4	5576.2	5576.2	21114.4	.57	20.	2.5	NO 10
3 S	2- 2	1075.4	5576.2	5576.2	21019.9	.57	20.	2.5	NO 11

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	18- 1	-24813.	-201668.7	-122230.1	-61.9	289.2	SI
1 C	18- 1	-24690.5	-197901.7	-11352.4	-44.1	41.6	SI
1 S	18- 1	-24568.	-194134.6	99525.2	-56.6	214.2	SI
2 I	18- 2	-15714.6	186836.9	-150337.6	-67.6	719.	SI
2 C	18- 1	-15191.5	-13652.7	-6685.8	-13.8	-141.3	SI
2 S	18- 2	-14673.3	-205158.3	139694.7	-70.7	852.6	SI
3 I	18- 2	-5669.	164676.3	-130374.6	-68.2	1386.9	SI
3 C	18- 1	-5147.9	35493.	22987.9	-11.3	36.1	SI
3 S	18- 2	-4627.7	-95020.1	175625.9	-62.4	1396.9	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	21- 1	-23266.3	-186372.8	-101749.1	-55.3	228.9	SI
1 C	21- 1	-23143.8	-188927.4	-3688.6	-40.9	35.5	SI
1 S	21- 1	-23021.3	-191482.	94371.8	-54.9	231.8	SI
2 I	21- 2	-14596.8	179971.	-133163.3	-62.9	674.5	SI
2 C	21- 1	-14075.7	-12470.8	-4099.1	-12.5	-134.2	SI
2 S	21- 2	-13555.5	-203115.8	125510.9	-68.	861.1	SI
3 I	21- 2	-5023.9	160871.6	-116307.4	-64.3	1348.7	SI
3 C	21- 1	-4503.2	35537.1	16361.8	-10.1	34.6	SI
3 S	21- 2	-3982.7	-90063.4	148886.	-55.4	1227.7	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	23- 1	-22808.1	-182244.6	-95591.6	-53.4	212.6	SI
1 C	23- 1	-22685.6	-186571.2	-1574.9	-40.	34.8	SI
1 S	23- 1	-22563.1	-190897.8	92441.9	-54.4	237.	SI
2 I	23- 1	-14279.5	178063.3	-127795.4	-61.5	660.3	SI
2 C	23- 1	-13758.9	-12222.6	-3456.9	-12.2	-131.9	SI
2 S	23- 1	-13238.3	-202508.5	120881.7	-67.1	861.7	SI
3 I	23- 1	-4859.4	159841.4	-112101.7	-63.1	1335.4	SI
3 C	23- 1	-4338.8	35575.1	14818.3	-9.8	34.9	SI
3 S	23- 1	-3818.1	-88691.2	141738.4	-53.5	1181.8	SI

MESSAGGI

- 3) Armatura longitudinale insufficiente [7.4.6.2.2].
 10) Passo staffe insufficiente [4.1.6.1.2].
 11) Passo staffe insufficiente [7.4.6.2.2].

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P010 (ID=41)
 Aste : 219; 28; 254; 60; 65
 Metodo di verifica : stati limite - NTC18 (q=1.5 ; muphi=2.4) ->

Duttilita' : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capito 7' attivi.
 Unita' di misura : cm; daN; daN/cm; daN/cm²; daN/cm²; deform. %; 1/r ‰ (permille)
 Unita' particolari : fessure [Wk];mm - ferri:mm e cm² - sezioni:cm e derivate.
 Copriferrì (assi) : longitudinali= 3.5 ; staffe= 2.5
 Imperfezioni : M minimo = N * e0 ; M aggiunto = N * ei
 Instabilita' : rigidezza nominale [EC2 5.8.7]; fief=3

MATERIALI

CLS : C20/25; Rck=250; fck=207.5; fctk=15.86; fctm=22.65; Ecm=302005;
 gc=1.5; fcd=117.6; fbd=23.79; fctd=10.57; Ec2=0.2%; Ecu=0.35%
 ACCIAIO: FeB32 (1972); ftk=3200; fyk=3200; Es=2000000; gs=1.15; fyd=2782.6;
 ftd=2782.6; fud=2782.6; Eyd=0.1391%; Eud=3.99996%

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.

CLS : σ_c (rara)=124.5; σ_c (quasi permanente)=93.4; fbd(esercizio)=23.79ACCIAIO: σ_f (rara)=2560; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (sismico)	2
3	SLU VENTOY	SLU (sismico)	2
6	SLU con SISMAL PRINC	SLU (sismico)	64
7	SLU con SISMAL PRINC	SLU (sismico)	64
12	SLU GER SISMAL PRINC	SLU (sismico)	64
13	SLU GER SISMAL PRINC	SLU (sismico)	64
17	Rara	RARA	1
18	Rara Ventox	RARA	2
19	Rara VentoY	RARA	2
20	Frequente	FREQUENTE	1
21	Frequente Ventox	FREQUENTE	2
22	Frequente VentoY	FREQUENTE	2
23	Quasi Perm	QUASI PERMAN.	1

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SEZIONI UTILIZZATE

1) Rettangolare: base=35; alt.=35; Acls=1225; iy=10.1; iz=10.1

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	iez	eyi	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2.	2.	.27	.27	80.	56.	0.	0.	8.04	.657	4φ16
2	1	2.	2.	.57	.57	170.	146.	45.	45.	8.04	.657	4φ16
3	1	2.	2.	.57	.57	170.	146.	45.	45.	8.04	.657	4φ16
4	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657	4φ16
5	1	2.	2.	1.07	1.07	320.	285.	48.	48.	8.04	.657	4φ16

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (inclusi imperfezioni e second'ordine):

Asta	Caso	NEd	MEyd	MEzd	E c/s	σ_c	E acc	σ_f	VE
> 1	2- 1	-54595.	125140.	4.94	-125140.	3.22	-0.067	-65.7	-0.014
1	2- 2	-53937.	21687.	1.01	-701599.	1.01	-1.155	-111.7	0.074
1	2- 2	-53777.	123253.	8.47	-1388941.	1.02	-1.86	-723.2	7.334
> 2	2- 2	-60707.	-164897.	11.1	765921.	1.11	-0.23	-117.6	0.12
2	2- 1	-61053.	-6536.	1.06	536338.	1.06	-1.118	-97.6	0.015
2	2- 1	-60715.	-165025.	18.8	416565.	1.16	-1.119	-98.4	0.016
> 3	2- 1	-56261.	174865.	1.3	415891.	1.15	-1.117	-97.6	0.022
3	2- 1	-55923.	78072.	1.05	245654.	1.05	-0.078	-73.5	-0.009
3	2- 1	-55585.	150355.	10.7	150355.	1.45	-0.074	-71.1	-0.01
> 4	2- 2	-26298.	-108814.	1.59	-442563.	1.19	-1.105	-91.3	0.084
4	2- 2	-25621.	-32417.	1.11	-187478.	1.11	-0.041	-43.3	0.003
4	2- 1	-25394.	-88147.	87.4	-88147.	2.65	-0.035	-38.	-0.002
> 5	2- 2	-3672.	11399.	5.16	167659.	1.04	-0.032	-34.3	0.055
5	6-37	-2123.	-10395.	1.01	-18293.	1.01	-0.005	-5.3	0.002
5	2- 1	-2505.	-7780.	6.34	-200229.	1.03	-0.036	-38.7	0.075

INSTABILITA' - RIGIDEZZA NOMINALE Y [EC2 5.8.7]:

Asta	Caso	NB	10	Jn	Jc/s/Jn	Mcal	M0Ed	MEd	nu
1 S	2- 2	-4910124.	80.	10542.9	11.8613	14551.	121895.	123253.	.376
2 I	2- 2	-1102187.	170.	10686.6	11.7018	-14923.	-155815.	-164897.	.421
3 I	2- 1	-1100317.	170.	10668.5	11.7217	134042.	165924.	174865.	.391
4 I	2- 2	-274693.9	340.	10653.5	11.7381	-68592.	-98396.	-108814.	.183
5 S	2- 1	-304705.8	320.	10468.1	11.946	-1227.	-7683.	-7780.	.026

INSTABILITA' - RIGIDEZZA NOMINALE Z [EC2 5.8.7]:

Asta	Caso	NB	10	Jn	Jc/s/Jn	Mcal	M0Ed	MEd	nu
1 S	2- 2	-4910124.	80.	10542.9	11.8613	-1359298.	-1373639.	-1388941.	.376
2 I	2- 2	-1102187.	170.	10686.6	11.7018	689334.	723735.	765921.	.421
3 I	2- 1	-1100317.	170.	10668.5	11.7217	362744.	394626.	415891.	.391
4 I	2- 2	-274693.9	340.	10653.5	11.7381	-370390.	-400194.	-442563.	.183
5 S	2- 1	-304705.8	320.	10468.1	11.946	-195073.	-197745.	-200229.	.026

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	2- 2	-16635.7	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 C	2- 2	-16635.7	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 S	2- 2	-16635.7	5576.2	5576.2	25144.8	.57	20.	2.5	NO

2 I	2- 2	-2189.4	5576.2	5576.2	25144.8	.57	20.	2.5	NO	11
2 C	2- 2	-2189.4	5576.2	5576.2	25144.8	.57	20.	2.5	NO	10
2 S	2- 2	-2189.4	5576.2	5576.2	25144.8	.57	20.	2.5	NO	11
3 I	2- 2	-1751.4	5576.2	5576.2	25144.8	.57	20.	2.5	NO	11
3 C	2- 2	-1751.4	5576.2	5576.2	25144.8	.57	20.	2.5	NO	10
3 S	2- 2	-1751.4	5576.2	5576.2	25144.8	.57	20.	2.5	NO	11
4 I	2- 2	1181.5	5576.2	5576.2	23788.5	.57	20.	2.5	NO	11
4 C	2- 2	1181.5	5576.2	5576.2	23694.	.57	20.	2.5	NO	10
4 S	2- 2	1181.5	5576.2	5576.2	23599.5	.57	20.	2.5	NO	11
5 I	2- 1	-1080.7	5576.2	5576.2	20643.7	.57	20.	2.5	NO	11
5 C	2- 1	-1080.7	5576.2	5576.2	20554.7	.57	20.	2.5	NO	10
5 S	2- 1	-1080.7	5576.2	5576.2	20465.8	.57	20.	2.5	NO	11

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE	
1 I	6-35	239.8	5576.2	5576.2	24878.5	.57	20.	2.5	NO	11
1 C	6-35	239.8	5576.2	5576.2	24861.4	.57	20.	2.5	NO	10
1 S	6-35	239.8	5576.2	5576.2	24844.3	.57	20.	2.5	NO	11
2 I	6-22	-222.2	5576.2	5576.2	25144.8	.57	20.	2.5	NO	11
2 C	6-22	-222.2	5576.2	5576.2	25144.8	.57	20.	2.5	NO	10
2 S	6-22	-222.2	5576.2	5576.2	25144.8	.57	20.	2.5	NO	11
3 I	2- 1	705.4	5576.2	5576.2	25144.8	.57	20.	2.5	NO	11
3 C	2- 1	705.4	5576.2	5576.2	25144.8	.57	20.	2.5	NO	10
3 S	2- 1	705.4	5576.2	5576.2	25144.8	.57	20.	2.5	NO	11
4 I	6-21	-252.5	5576.2	5576.2	22281.4	.57	20.	2.5	NO	11
4 C	6-21	-252.5	5576.2	5576.2	22208.7	.57	20.	2.5	NO	10
4 S	6-21	-252.5	5576.2	5576.2	22136.	.57	20.	2.5	NO	11
5 I	6-20	61.1	5576.2	5576.2	20470.9	.57	20.	2.5	NO	11
5 C	6-20	61.1	5576.2	5576.2	20402.5	.57	20.	2.5	NO	10
5 S	6-20	61.1	5576.2	5576.2	20334.	.57	20.	2.5	NO	11

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE	
1 I	18- 1	-38786.7	18025.2	-27346.	-34.4	-370.2	SI	14
1 C	19- 2	-38496.5	17602.1	-488095.5	-101.9	754.4	SI	
1 S	18- 2	-38208.9	10577.6	-959105.	-203.4	4178.6	NO	
2 I	18- 2	-43132.4	-8995.	490315.9	-100.8	543.1	SI	
2 C	19- 1	-43102.	-7269.3	357171.	-77.1	79.6	SI	
2 S	18- 1	-43068.4	-8123.9	249710.6	-62.9	-114.9	SI	
3 I	18- 1	-39878.6	96008.5	252663.8	-72.1	65.5	SI	
3 C	18- 1	-39618.3	51777.1	156922.1	-54.4	-146.4	SI	
3 S	18- 1	-39358.	7545.8	61180.4	-37.6	-343.3	SI	
4 I	18- 2	-18903.1	-46997.2	-251957.	-59.9	534.9	SI	
4 C	18- 2	-18382.5	-20020.2	-114674.5	-29.8	-12.8	SI	
4 S	18- 2	-17861.8	6956.7	22608.1	-16.9	-158.1	SI	
5 I	18- 2	-2758.9	1259.	107640.7	-22.9	625.1	SI	
5 C	18- 1	-2340.3	-1211.7	-18226.5	-4.1	3.	SI	
5 S	18- 1	-1850.3	-924.3	-136773.9	-28.6	975.2	SI	

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	21- 1	-34948.4	15839.3	-22060.	-30.6	-337.8	SI
1 C	21- 1	-34825.9	15198.9	-431841.4	-90.1	629.6	SI
1 S	21- 2	-34636.8	12428.9	-844328.7	-179.7	3592.4	SI
2 I	21- 2	-38778.4	-10746.1	409726.6	-85.1	361.7	SI
2 C	22- 1	-38564.	-7652.4	313264.3	-68.2	58.	SI
2 S	21- 1	-38349.	-5074.7	221938.9	-55.7	-106.	SI
3 I	21- 1	-35644.5	83748.7	227059.3	-64.3	57.2	SI
3 C	21- 1	-35384.2	50520.6	151126.1	-50.4	-109.	SI
3 S	21- 1	-35123.9	17292.6	75192.9	-37.3	-261.9	SI
4 I	21- 2	-16358.6	-45916.6	-242707.6	-58.6	632.3	SI
4 C	21- 2	-15838.	-20643.5	-108035.4	-27.4	10.2	SI
4 S	21- 2	-15317.3	4629.7	26636.8	-15.2	-127.1	SI
5 I	21- 2	-2617.4	409.2	79970.8	-16.9	403.3	SI
5 C	21- 1	-2141.7	-523.5	-12590.3	-3.2	-5.3	SI
5 S	21- 1	-1651.7	-904.6	-103687.4	-21.8	711.8	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE	
1 I	23- 1	-33809.3	15153.7	-20619.3	-29.5	-328.1	SI	14
1 C	23- 1	-33686.8	13985.1	-415336.9	-86.5	595.2	SI	
1 S	23- 1	-33564.3	12816.4	-810054.5	-172.6	3417.6	NO	
2 I	23- 1	-37517.9	-11388.7	385972.9	-80.5	311.4	SI	
2 C	23- 1	-37257.6	-7407.8	300045.4	-65.5	49.9	SI	
2 S	23- 1	-36997.3	-3426.8	214117.9	-53.5	-104.4	SI	
3 I	23- 1	-34460.3	79395.8	219735.2	-62.	53.	SI	
3 C	23- 1	-34200.	49772.1	150049.3	-49.3	-98.3	SI	
3 S	23- 1	-33939.7	20148.5	80363.5	-37.3	-237.1	SI	
4 I	23- 1	-15714.9	-45753.	-240883.2	-58.5	663.9	SI	
4 C	23- 1	-15194.3	-20710.8	-106171.5	-26.7	16.	SI	
4 S	23- 1	-14673.7	4331.4	28540.2	-14.9	-117.6	SI	
5 I	23- 1	-2577.2	206.2	72709.7	-15.3	346.2	SI	
5 C	23- 1	-2087.2	-343.8	-10980.5	-2.9	-7.2	SI	
5 S	23- 1	-1597.2	-893.9	-94670.8	-20.	640.1	SI	

MESSAGGI

- 1) Verifica presso-flessionale a SLU non soddisfatta [4.1.2.3.4.2].
- 3) Armatura longitudinale insufficiente [7.4.6.2.2].
- 7) Verifica a taglio non soddisfatta [4.1.2.3.5.2].
- 10) Passo staffe insufficiente [4.1.6.1.2].
- 11) Passo staffe insufficiente [7.4.6.2.2].

14) Tensione in esercizio eccessiva [4.1.2.2.5].

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P011 (ID=42)
 Aste : 204; 13; 45; 66
 Metodo di verifica : stati limite - NTC18 (q=1.5 ; muphi=2.4) ->
 Duttilita' : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capito 7 attivi.
 Unita' di misura : cm; daN; daN/cm; daN/cm2; deform.%; 1/r â€°(permille)
 Unita' particolari : fessure [wk];mm - ferri:mm e cm2 - sezioni:cm e derivate.
 Copriferri (assi) : longitudinali= 3.5 ; staffe= 2.5
 Imperfezioni : M minimo = N * e0 ; M aggiunto = N * ei
 Instabilita' : rigidezza nominale [EC2 5.8.7]; fief=3

MATERIALI

CLS : C20/25; Rck=250; fck=207.5; fctk=15.86; fctm=22.65; Ecm=302005;
 gc=1.5; fcd=117.6; fbd=23.79; fctd=10.57; Ec2=0.2%; Ecu=0.35%
 ACCIAIO: FeB32 (1972); ftk=3200; fyk=3200; Es=2000000; gs=1.15; fyd=2782.6;
 ftd=2782.6; fud=2782.6; Eyd=0.1391%; Eud=3.99996%

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.

CLS : σ_c (rara)=124.5; σ_c (quasi permanente)=93.4; fbd(esercizio)=23.79
 ACCIAIO: σ_f (rara)=2560; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (sismico)	2
3	SLU VENTOY	SLU (sismico)	2
6	SLU con SISMAY PRINC	SLU (sismico)	64
7	SLU con SISMAY PRINC	SLU (sismico)	64
12	SLU GER SISMAY PRINC	SLU (sismico)	64
13	SLU GER SISMAY PRINC	SLU (sismico)	64
17	Rara	RARA	1
18	Rara VentoX	RARA	2
19	Rara VentoY	RARA	2
20	Frequente	FREQUENTE	1
21	Frequente VentoX	FREQUENTE	2
22	Frequente VentoY	FREQUENTE	2
23	Quasi Perm	QUASI PERMAN.	1

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SEZIONI UTILIZZATE

1) Rettangolare: base=35; alt.=35; Acls=1225; iy=10.1; iz=10.1

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	leiz	leiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2.	2.	.27	.27	80.	56.	0.	0.	8.04	.657	4φ16
2	1	2.	2.	.1.13	.1.13	340.	316.	53.	53.	8.04	.657	4φ16
3	1	2.	2.	.1.13	.1.13	340.	316.	53.	53.	8.04	.657	4φ16
4	1	2.	2.	.1.07	.1.07	320.	285.	48.	48.	8.04	.657	4φ16

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (inclusi imperfezioni e second'ordine):

Asta	Caso	NEd	MEyd	MEzd	E c ls	σ_c	E acc	σ_f	VE
> 1	2- 1	-63255.	145245.	3.84	-145245.	2.56	-0.08	-75.2	-0.016
1	2- 1	-63095.	68895.	1.01	219183.	1.01	-0.08	-75.	-0.017
1	2- 1	-62936.	144514.	1.47	512810.	1.05	-0.137	-105.8	0.027
> 2	2- 2	-43300.	-160674.	878.	248788.	1.55	-0.078	-73.8	0.009
2	2- 1	-42707.	-20838.	1.18	48317.	1.18	-0.036	-39.	-0.022
2	2- 2	-41946.	-155651.	6.52	-196116.	1.66	-0.069	-67.1	0.004
> 3	2- 1	-22105.	-75343.	1.91	231383.	1.23	-0.053	-54.3	0.021
3	2- 1	-21428.	-16467.	1.09	14397.	1.09	-0.017	-19.3	-0.011
3	2- 1	-20751.	70730.	7.64	-200920.	1.25	-0.047	-48.5	0.016
> 4	2- 2	-577.	-6423.	1.11	-35363.	1.02	-0.007	-8.6	0.013
4	2- 1	-21.	2328.	1.	-38456.	1.	-0.007	-7.9	0.017
4	2- 1	616.	1894.	1.62	-60110.	1.01	-0.01	-11.3	0.03

INSTABILITA' - RIGIDEZZA NOMINALE Y [EC2 5.8.7]:

Asta	Caso	NB	Jn	Jc ls/Jn	Mcal	M0Ed	MEd	nu
1 S	2- 1	-4918309.	80.	10560.4	11.8416	98180.	142655.	144514.
2 I	2- 2	-278268.7	340.	10792.2	11.5873	-183.	-135672.	-160674.
3 I	2- 1	-273812.2	340.	10619.3	11.7759	-39530.	-69261.	-75343.
4 S	2- 1	-304008.5	320.	10444.1	11.9734	1167.	1890.	1894.

INSTABILITA' - RIGIDEZZA NOMINALE Z [EC2 5.8.7]:

Asta	Caso	NB	Jn	Jc ls/Jn	Mcal	M0Ed	MEd	nu
1 S	2- 1	-4918309.	80.	10560.4	11.8416	489431.	506214.	512810.
2 I	2- 2	-278268.7	340.	10792.2	11.5873	161002.	210075.	248788.
3 I	2- 1	-273812.2	340.	10619.3	11.7759	187652.	212704.	231383.
4 S	2- 1	-304008.5	320.	10444.1	11.9734	-59323.	-59980.	-60110.

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE	
1 I	2- 1	6826.7	5576.2	5576.2	25144.8	.57	20.	2.5	NO	7 11
1 C	2- 1	6826.7	5576.2	5576.2	25144.8	.57	20.	2.5	NO	7 10
1 S	2- 1	6826.7	5576.2	5576.2	25144.8	.57	20.	2.5	NO	7 11
2 I	6-37	-873.6	5576.2	5576.2	23783.3	.57	20.	2.5	NO	11
2 C	6-37	-873.6	5576.2	5576.2	23710.6	.57	20.	2.5	NO	10
2 S	6-37	-873.6	5576.2	5576.2	23637.9	.57	20.	2.5	NO	11
3 I	2- 1	-1026.	5576.2	5576.2	23202.9	.57	20.	2.5	NO	11
3 C	2- 1	-1026.	5576.2	5576.2	23108.4	.57	20.	2.5	NO	10
3 S	2- 1	-1026.	5576.2	5576.2	23013.9	.57	20.	2.5	NO	11
4 I	2- 1	-130.9	5576.2	5576.2	20207.7	.57	20.	2.5	NO	11
4 C	2- 1	-130.9	5576.2	5576.2	20118.8	.57	20.	2.5	NO	10
4 S	2- 1	-130.9	5576.2	5576.2	20115.9	.57	20.	2.5	NO	11

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE	
1 I	2- 2	-781.5	5576.2	5576.2	25144.8	.57	20.	2.5	NO	11
1 C	2- 2	-781.5	5576.2	5576.2	25144.8	.57	20.	2.5	NO	10
1 S	2- 2	-781.5	5576.2	5576.2	25144.8	.57	20.	2.5	NO	11
2 I	6-43	175.8	5576.2	5576.2	23800.7	.57	20.	2.5	NO	11
2 C	6-43	175.8	5576.2	5576.2	23728.	.57	20.	2.5	NO	10
2 S	6-43	175.8	5576.2	5576.2	23655.2	.57	20.	2.5	NO	11
3 I	6-45	-152.5	5576.2	5576.2	21943.8	.57	20.	2.5	NO	11
3 C	6-45	-152.5	5576.2	5576.2	21871.1	.57	20.	2.5	NO	10
3 S	6-45	-152.5	5576.2	5576.2	21798.4	.57	20.	2.5	NO	11
4 I	6-19	-38.	5576.2	5576.2	20253.7	.57	20.	2.5	NO	11
4 C	6-19	-38.	5576.2	5576.2	20185.3	.57	20.	2.5	NO	10
4 S	6-19	-38.	5576.2	5576.2	20116.9	.57	20.	2.5	NO	11

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	18- 1	-45018.	26824.4	-39879.9	-41.6	-409.6	SI
1 C	18- 1	-44895.5	47382.5	151320.1	-57.2	-219.8	SI
1 S	18- 1	-44773.	67940.6	342520.	-84.	120.9	SI
2 I	18- 2	-30891.8	1290.7	112977.1	-36.7	-183.3	SI
2 C	18- 1	-30427.5	-12567.4	28620.6	-27.6	-282.4	SI
2 S	18- 2	-29850.6	-19013.5	-81487.	-34.3	-191.3	SI
3 I	18- 1	-15787.3	-26630.7	130916.4	-31.6	72.5	SI
3 C	18- 1	-15266.7	-10081.2	8848.5	-13.7	-144.2	SI
3 S	18- 1	-14746.	6468.2	-113219.4	-25.6	13.2	SI
4 I	18- 2	-587.6	-3782.3	-22573.5	-5.8	142.8	SI
4 C	18- 1	-151.7	1625.2	-26826.9	-6.	221.4	SI
4 S	18- 1	338.3	849.6	-42585.9	-8.6	414.	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	21- 1	-40218.7	22743.	-33106.6	-36.7	-371.3	SI
1 C	21- 1	-40096.2	38470.3	130945.	-50.1	-207.8	SI
1 S	21- 1	-39973.7	54197.6	294996.6	-72.5	72.8	SI
2 I	21- 2	-27319.4	6011.7	96565.1	-32.6	-159.9	SI
2 C	21- 1	-26810.1	-9503.3	20316.8	-23.6	-258.1	SI
2 S	21- 2	-26278.2	-23536.	-61081.7	-29.7	-173.9	SI
3 I	21- 1	-13563.5	-16701.9	96074.8	-23.8	13.7	SI
3 C	21- 1	-13042.9	-7149.3	6064.9	-11.3	-127.4	SI
3 S	21- 1	-12522.3	2403.2	-83945.	-19.7	-16.6	SI
4 I	21- 2	-932.3	-1350.2	-19410.9	-4.4	73.2	SI
4 C	21- 1	-453.2	610.1	-21170.1	-4.6	133.9	SI
4 S	21- 1	36.8	1333.9	-25230.4	-5.5	228.9	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	23- 1	-38781.9	21557.2	-31222.8	-35.3	-359.6	SI
1 C	23- 1	-38659.4	35913.6	125194.	-48.1	-203.6	SI
1 S	23- 1	-38536.9	50270.	281610.8	-69.2	61.	SI
2 I	23- 1	-26304.3	6996.1	91796.6	-31.4	-154.	SI
2 C	23- 1	-25783.7	-8531.9	18088.1	-22.4	-251.1	SI
2 S	23- 1	-25263.1	-24060.	-55620.3	-28.4	-169.6	SI
3 I	23- 1	-13022.9	-14370.3	86770.2	-21.9	.4	SI
3 C	23- 1	-12502.3	-6482.4	5483.6	-10.8	-123.1	SI
3 S	23- 1	-11981.7	1405.4	-75803.	-18.1	-24.1	SI
4 I	23- 1	-1027.5	-732.8	-18552.5	-4.	56.9	SI
4 C	23- 1	-537.5	360.8	-19647.1	-4.2	110.9	SI
4 S	23- 1	-47.5	1454.5	-20741.7	-4.7	180.3	SI

MESSAGGI

- 3) Armatura longitudinale insufficiente [7.4.6.2.2].
 7) Verifica a taglio non soddisfatta [4.1.2.3.5.2].
 10) Passo staffe insufficiente [4.1.6.1.2].
 11) Passo staffe insufficiente [7.4.6.2.2].

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P012 (ID=43)
 Aste : 203; 12; 44; 67

Metodo di verifica : stati limite - NTC18 (q=1.5 ; muphi=2.4) ->
 Duttilita' : non prevista (struttura non dissipativa).
 Unità di misura : cm; daN; daN/cm; daNcm; daN/cm²; deform.%; 1/r â€°(permille)
 Unità particolari : fessure [wk]:mm - ferri:mm e cm² - sezioni:cm e derivate.
 Copriferrì (assi) : longitudinali= 3.5 ; staffe= 2.5
 Imperfezioni : M minimo = N * e0 ; M aggiunto = N * ei
 Instabilità : rigidezza nominale [EC2 5.8.7]; fief=3

MATERIALI

CLS : C20/25; Rck=250; fck=207.5; fctk=15.86; fctm=22.65; Ecm=302005;
 gc=1.5; fcd=117.6; fbd=23.79; fctd=10.57; Ec2=0.2%; Ecu=0.35%
 ACCIAIO: FeB32 (1972); ftk=3200; fyk=3200; Es=2000000; gs=1.15; fyd=2782.6;
 ftd=2782.6; fud=2782.6; Eyd=0.1391%; Eud=3.99996%

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.

CLS : σ_c (rara)=124.5; σ_c (quasi permanente)=93.4; fbd(esercizio)=23.79

ACCIAIO: σ_f (rara)=2560; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (sismico)	2
3	SLU VENTOY	SLU (sismico)	2
6	SLU con SISMAY PRINC	SLU (sismico)	64
7	SLU con SISMAY PRINC	SLU (sismico)	64
12	SLU GER SISMAY PRINC	SLU (sismico)	64
13	SLU GER SISMAY PRINC	SLU (sismico)	64
17	Rara	RARA	1
18	Rara VentoX	RARA	2
19	Rara VentoY	RARA	2
20	Frequente	FREQUENTE	1
21	Frequente VentoX	FREQUENTE	2
22	Frequente VentoY	FREQUENTE	2
23	Quasi Perm	QUASI PERMAN.	1

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SEZIONI UTILIZZATE

1) Rettangolare: base=35; alt.=35; Acls=1225; iy=10.1; iz=10.1

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2	2	.27	.27	80.	56.	0.	0.	8.04	.657	4φ16
2	1	2	2	1.13	1.13	340.	316.	53.	53.	8.04	.657	4φ16
3	1	2	2	1.13	1.13	340.	316.	53.	53.	8.04	.657	4φ16
4	1	2	2	1.07	1.07	320.	285.	48.	48.	8.04	.657	4φ16

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (inclusi imperfezioni e second'ordine):

Asta	Caso	NEd	MEyd	MEzd	E c/s	σ_c	E acc	σ_f	VE
> 1	2- 2	-59138.	135679.	135679.	4.3	-70.7	-.015	-309.8	SI
1	2- 1	-58871.	27667.	176370.	1.01	-64.4	-.022	-433.4	SI
1	2- 1	-58712.	134698.	411039.	1.05	-94.7	.013	266.9	SI
> 2	2- 2	-39827.	145700.	145700.	2.49	-59.7	-.001	-19.	SI
2	2- 1	-39004.	-4323.	62370.	1.17	-36.1	-.02	-403.	SI
2	2- 2	-38474.	-140748.	140748.	10.6	-57.8	-.001	-19.2	SI
> 3	2- 2	-19448.	-65607.	-98419.	1.42	-32.7	.001	25.7	SI
3	2- 1	-18596.	-13184.	20161.	1.08	-17.5	-.009	-184.7	SI
3	2- 2	-18094.	61040.	117263.	1.33	-33.7	.004	79.5	SI
> 4	2- 2	-2909.	9008.	-216388.	1.02	-41.8	.08	1593.7	SI
4	2- 1	-2084.	-751.	-32069.	1.01	-6.4	.004	77.1	SI
4	2- 2	-1635.	-5063.	169099.	1.02	-32.5	.065	1308.3	SI

INSTABILITA' - RIGIDEZZA NOMINALE Y [EC2 5.8.7]:

Asta	Caso	NB	Jn	Jc/s/Jn	McaI	M0Ed	MEd	nu
1 S	2- 1	-4914534.	80.	10552.3	11.8507	20187.	133080.	134698.
2 I	2- 2	-277538.6	340.	10763.8	11.6178	26364.	124792.	145700.
3 S	2- 2	-273253.7	340.	10597.7	11.8	1541.	56696.	61040.
4 I	2- 2	-304511.5	320.	10461.4	11.9537	3587.	8922.	9008.

INSTABILITA' - RIGIDEZZA NOMINALE Z [EC2 5.8.7]:

Asta	Caso	NB	Jn	Jc/s/Jn	McaI	M0Ed	MEd	nu
1 S	2- 1	-4914534.	80.	10552.3	11.8507	390446.	406102.	411039.
2 I	2- 2	-277538.6	340.	10763.8	11.6178	58563.	124792.	145700.
3 S	2- 2	-273253.7	340.	10597.7	11.8	88410.	108917.	117263.
4 I	2- 2	-304511.5	320.	10461.4	11.9537	-211217.	-214321.	-216388.

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	2- 1	5404.9	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 C	2- 1	5404.9	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 S	2- 1	5404.9	5576.2	5576.2	25144.8	.57	20.	2.5	NO
2 I	6-37	-499.9	5576.2	5576.2	23594.8	.57	20.	2.5	NO
2 C	6-37	-499.9	5576.2	5576.2	23522.1	.57	20.	2.5	NO
2 S	6-37	-499.9	5576.2	5576.2	23449.4	.57	20.	2.5	NO
3 I	2- 2	464.1	5576.2	5576.2	22831.9	.57	20.	2.5	NO
3 C	2- 2	464.1	5576.2	5576.2	22737.4	.57	20.	2.5	NO

3 S	2- 2	464.1	5576.2	5576.2	22642.9	.57	20.	2.5	NO	11
4 I	2- 2	1178.	5576.2	5576.2	20522.2	.57	20.	2.5	NO	11
4 C	2- 2	1178.	5576.2	5576.2	20433.2	.57	20.	2.5	NO	10
4 S	2- 2	1178.	5576.2	5576.2	20344.3	.57	20.	2.5	NO	11

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE	
1 I	2- 1	178.7	5576.2	5576.2	25144.8	.57	20.	2.5	NO	11
1 C	2- 1	178.7	5576.2	5576.2	25144.8	.57	20.	2.5	NO	10
1 S	2- 1	178.7	5576.2	5576.2	25144.8	.57	20.	2.5	NO	11
2 I	2- 2	154.6	5576.2	5576.2	25144.8	.57	20.	2.5	NO	11
2 C	2- 2	154.6	5576.2	5576.2	25144.8	.57	20.	2.5	NO	10
2 S	2- 2	154.6	5576.2	5576.2	25144.8	.57	20.	2.5	NO	11
3 I	6-63	-101.8	5576.2	5576.2	21821.4	.57	20.	2.5	NO	11
3 C	6-63	-101.8	5576.2	5576.2	21748.7	.57	20.	2.5	NO	10
3 S	6-63	-101.8	5576.2	5576.2	21676.	.57	20.	2.5	NO	11
4 I	6-20	39.5	5576.2	5576.2	20391.7	.57	20.	2.5	NO	11
4 C	6-20	39.5	5576.2	5576.2	20323.3	.57	20.	2.5	NO	10
4 S	6-20	39.5	5576.2	5576.2	20254.8	.57	20.	2.5	NO	11

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	18- 1	-42096.1	24437.5	-29491.3	-37.9	-395.1	SI
1 C	18- 1	-41973.6	19422.2	121993.6	-48.2	-268.8	SI
1 S	18- 1	-41851.1	14406.9	273478.6	-65.6	-57.1	SI
2 I	18- 2	-28523.6	18617.5	40654.9	-28.4	-235.3	SI
2 C	18- 1	-27905.3	-2596.3	37475.9	-25.6	-255.7	SI
2 S	18- 1	-27384.7	-18930.	51203.2	-28.8	-207.	SI
3 I	18- 2	-14062.4	-14918.8	-44580.4	-17.6	-72.8	SI
3 C	18- 1	-13424.9	-8531.9	12052.3	-12.5	-121.2	SI
3 S	18- 2	-13021.2	1237.6	56392.	-16.6	-63.8	SI
4 I	18- 2	-2159.9	2523.3	-145512.4	-30.9	1021.4	SI
4 C	18- 1	-1544.4	-413.4	-20821.1	-4.3	36.5	SI
4 S	18- 2	-1179.9	-1312.7	115928.8	-24.3	873.	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	21- 1	-38089.2	21115.9	-23730.4	-33.8	-363.1	SI
1 C	21- 1	-37966.7	17327.3	98752.3	-42.2	-260.1	SI
1 S	21- 1	-37844.2	13538.7	221234.9	-56.2	-89.3	SI
2 I	21- 2	-25777.4	14813.	37841.1	-25.5	-213.9	SI
2 C	21- 1	-25237.3	-1480.	29758.2	-22.6	-238.4	SI
2 S	21- 1	-24716.6	-16796.9	25056.7	-23.5	-217.4	SI
3 I	21- 1	-12610.8	-13984.8	16246.6	-13.	-98.3	SI
3 C	21- 1	-12090.2	-6847.1	3012.9	-10.2	-121.5	SI
3 S	21- 1	-11569.6	290.5	-10220.8	-9.9	-114.7	SI
4 I	21- 2	-1956.6	941.1	-104292.9	-22.	683.	SI
4 C	21- 1	-1441.5	-86.6	-11058.6	-2.4	.4	SI
4 S	21- 2	-976.6	-706.7	84587.5	-17.7	622.7	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	23- 1	-36855.2	20134.1	-22158.3	-32.6	-352.9	SI
1 C	23- 1	-36732.7	16674.3	92470.4	-40.4	-256.1	SI
1 S	23- 1	-36610.2	13214.4	207099.1	-53.6	-96.1	SI
2 I	23- 1	-24972.2	13755.6	36769.1	-24.7	-207.9	SI
2 C	23- 1	-24451.6	-1149.9	27664.2	-21.7	-233.1	SI
2 S	23- 1	-23930.9	-16055.4	18559.3	-22.	-219.	SI
3 I	23- 1	-12271.7	-13172.3	12479.7	-12.2	-101.	SI
3 C	23- 1	-11751.1	-6380.2	846.2	-9.6	-121.5	SI
3 S	23- 1	-11230.4	411.8	-10787.4	-9.7	-110.	SI
4 I	23- 1	-1901.6	526.6	-93368.6	-19.6	593.8	SI
4 C	23- 1	-1411.6	-17.	-8583.8	-2.1	-3.6	SI
4 S	23- 1	-921.6	-560.6	76201.1	-15.9	555.9	SI

MESSAGGI

- 3) Armatura longitudinale insufficiente [7.4.6.2.2].
 10) Passo staffe insufficiente [4.1.6.1.2].
 11) Passo staffe insufficiente [7.4.6.2.2].

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P013 (ID=44)
 Aste : 202; 11; 43
 Metodo di verifica : stati limite - NTC18 (q=1.5 ; μ_{phi} =2.4) ->
 Duttilita' : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capito 7 attivi.
 Unita' di misura : cm; daN; daN/cm; daN/cm²; deform.%; 1/r ‰ (permille)
 Unita' particolari : fessure [wk]:mm - ferri:mm e cm² - sezioni:cm e derivate.
 Copriferrì (assi) : longitudinali= 3.5 ; staffe= 2.5
 Imperfezioni : M minimo = N * e₀ ; M aggiunto = N * e_i
 Instabilita' : rigidezza nominale [EC2 5.8.7]; η_{ief} =3

MATERIALI

CLS : C20/25; R_{ck}=250; f_{ck}=207.5; f_{ctk}=15.86; f_{ctm}=22.65; E_{cm}=302005;

gc=1.5; fcd=117.6; fbd=23.79; fctd=10.57; Ec2=0.2%; Ecu=0.35%
 ACCIAIO: FeB32 (1972); ftk=3200; fyk=3200; Es=2000000; gs=1.15; fyd=2782.6;
 ftd=2782.6; fud=2782.6; Eyd=0.1391%; Eud=3.99996%

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.

CLS : σ_c (rara)=124.5; σ_c (quasi permanente)=93.4; fbd(esercizio)=23.79ACCIAIO: σ_f (rara)=2560; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (sismico)	2
3	SLU VENTOY	SLU (sismico)	2
6	SLU con SISMAY PRINC	SLU (sismico)	64
7	SLU con SISMAY PRINC	SLU (sismico)	64
12	SLU GER SISMAY PRINC	SLU (sismico)	64
13	SLU GER SISMAY PRINC	SLU (sismico)	64
17	Rara	RARA	1
18	Rara VentoX	RARA	2
19	Rara VentoY	RARA	2
20	Frequente	FREQUENTE	1
21	Frequente VentoX	FREQUENTE	2
22	Frequente VentoY	FREQUENTE	2
23	Quasi Perm	QUASI PERMAN.	1

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SEZIONI UTILIZZATE

1) Rettangolare: base=35; alt.=35; Acls=1225; iy=10.1; iz=10.1

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2.	2.	.27	.27	80.	56.	0.	0.	8.04	.657	4φ16
2	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657	4φ16
3	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657	4φ16

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (inclusi imperfezioni e second'ordine):

Asta	Caso	NEd	MEyd	MEzd	E c1s	σ_c	E acc	σ_f	VE
> 1	2- 1	-53688.	123039.	4.47	-123039.	6.03	-0.066	-64.7	-0.014
1	2- 1	-53488.	22531.	1.01	117356.	1.01	-0.053	-54.2	-0.024
1	2- 1	-53329.	122215.	6.57	279953.	1.07	-0.085	-78.8	0.
> 2	2- 2	-33488.	119407.	6.33	119407.	2.11	-0.049	-50.1	-0.002
2	2- 1	-32772.	5433.	1.14	49250.	1.14	-0.028	-30.2	-0.017
2	2- 2	-32135.	-114580.	16.7	-114580.	21.	-0.046	-48.2	-0.001
> 3	2- 1	-12383.	-40653.	7.79	132367.	1.18	-0.029	-31.7	.012
3	2- 1	-11706.	-4937.	1.05	7493.	1.05	-0.009	-10.1	-0.006
3	6-37	-8040.	-26066.	15.2	-101189.	1.14	-0.021	-23.8	.011

INSTABILITA' - RIGIDEZZA NOMINALE Y [EC2 5.8.7]:

Asta	Caso	NB	10	Jn	Jc1s/Jn	Mcal	M0Ed	MEd	nu
1 S	2- 1	-4909724.	80.	10542.	11.8623	18603.	120879.	122215.	.372
2 I	2- 2	-276205.7	340.	10712.2	11.6739	18873.	104930.	119407.	.232
3 I	2- 1	-271768.2	340.	10540.	11.8645	-5220.	-38800.	-40653.	.086

INSTABILITA' - RIGIDEZZA NOMINALE Z [EC2 5.8.7]:

Asta	Caso	NB	10	Jn	Jc1s/Jn	Mcal	M0Ed	MEd	nu
1 S	2- 1	-4909724.	80.	10542.	11.8623	262673.	276894.	279953.	.372
2 I	2- 2	-276205.7	340.	10712.2	11.6739	56704.	104930.	119407.	.232
3 I	2- 1	-271768.2	340.	10540.	11.8645	112301.	126336.	132367.	.086

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	2- 1	3665.	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 C	2- 1	3665.	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 S	2- 1	3665.	5576.2	5576.2	25144.8	.57	20.	2.5	NO
2 I	6-33	-520.8	5576.2	5576.2	23196.2	.57	20.	2.5	NO
2 C	6-33	-520.8	5576.2	5576.2	23123.5	.57	20.	2.5	NO
2 S	6-33	-520.8	5576.2	5576.2	23050.8	.57	20.	2.5	NO
3 I	2- 1	-618.5	5576.2	5576.2	21845.2	.57	20.	2.5	NO
3 C	2- 1	-618.5	5576.2	5576.2	21750.7	.57	20.	2.5	NO
3 S	2- 1	-618.5	5576.2	5576.2	21656.2	.57	20.	2.5	NO

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	6-19	170.9	5576.2	5576.2	24914.9	.57	20.	2.5	NO
1 C	6-19	170.9	5576.2	5576.2	24897.8	.57	20.	2.5	NO
1 S	6-19	170.9	5576.2	5576.2	24880.7	.57	20.	2.5	NO
2 I	6-19	109.7	5576.2	5576.2	23198.9	.57	20.	2.5	NO
2 C	6-19	109.7	5576.2	5576.2	23126.2	.57	20.	2.5	NO
2 S	6-19	109.7	5576.2	5576.2	23053.5	.57	20.	2.5	NO
3 I	6-29	-56.4	5576.2	5576.2	21385.7	.57	20.	2.5	NO
3 C	6-29	-56.4	5576.2	5576.2	21312.9	.57	20.	2.5	NO
3 S	6-29	-56.4	5576.2	5576.2	21240.2	.57	20.	2.5	NO

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta | Caso | NEd | MEyd | MEzd | σ_c | σ_f | VE |

1 I	18- 1	-38353.4	18413.7	-21448.6	-33.4	-373.2	SI
1 C	18- 1	-38230.9	15798.6	81351.2	-40.1	-290.1	SI
1 S	18- 1	-38108.4	13183.6	184150.9	-52.	-145.7	SI
2 I	18- 2	-24118.	13301.5	39188.3	-24.3	-195.5	SI
2 C	18- 1	-23571.	3409.7	30153.9	-21.6	-216.4	SI
2 S	18- 1	-23050.4	-4844.3	37617.5	-22.3	-197.9	SI
3 I	18- 1	-9153.2	-3656.8	77387.3	-16.9	24.3	SI
3 C	18- 1	-8632.6	-3288.1	5106.2	-7.5	-84.8	SI
3 S	18- 1	-8112.	-2919.4	-67175.	-14.7	17.5	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	21- 1	-35331.9	16068.6	-16738.5	-30.3	-349.4	SI
1 C	21- 1	-35209.4	13725.1	66153.2	-35.8	-280.8	SI
1 S	21- 1	-35086.9	11381.5	149044.9	-45.3	-164.5	SI
2 I	21- 2	-22565.6	10785.3	34577.7	-22.3	-188.3	SI
2 C	21- 1	-22039.7	3116.2	22476.5	-19.5	-210.6	SI
2 S	21- 1	-21519.1	-4225.4	13674.9	-18.2	-215.8	SI
3 I	21- 1	-9102.4	-3057.3	47817.1	-12.9	-29.5	SI
3 C	21- 1	-8581.8	-2735.5	2941.9	-7.1	-88.1	SI
3 S	21- 1	-8061.1	-2413.7	-41933.4	-11.3	-27.1	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	23- 1	-34348.6	15372.4	-15474.	-29.3	-341.2	SI
1 C	23- 1	-34226.1	13117.2	62048.2	-34.5	-276.5	SI
1 S	23- 1	-34103.6	10862.1	139570.3	-43.4	-167.7	SI
2 I	23- 1	-22063.4	10098.3	33124.4	-21.6	-185.7	SI
2 C	23- 1	-21542.8	3040.	20448.4	-18.9	-208.1	SI
2 S	23- 1	-21022.1	-4018.4	7772.4	-17.1	-218.9	SI
3 I	23- 1	-9088.7	-2866.7	40126.1	-11.9	-40.6	SI
3 C	23- 1	-8568.1	-2571.7	2388.1	-7.	-89.	SI
3 S	23- 1	-8047.5	-2276.7	-35349.9	-10.5	-36.5	SI

MESSAGGI

3) Armatura longitudinale insufficiente [7.4.6.2.2].

10) Passo staffe insufficiente [4.1.6.1.2].

11) Passo staffe insufficiente [7.4.6.2.2].

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P014 (ID=45)
 Aste : 201; 10; 42
 Metodo di verifica : stati limite - NTC18 (q=1.5 ; μ_{phi} =2.4) ->
 Duttilita' : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capito 7 attivi.
 Unita' di misura : cm; daN; daN/cm; daNcm; daN/cm²; deform. %; 1/r $\hat{=}$ (permille)
 Unita' particolari : fessure [Wk];mm - ferri:mm e cm² - sezioni:cm e derivate.
 Copriferrì (assi) : longitudinali= 3.5 ; staffe= 2.5
 Imperfezioni : M minimo = N * e0 ; M aggiunto = N * ei
 Instabilita' : rigidezza nominale [EC2 5.8.7]; η_{ief} =3

MATERIALI

CLS : C20/25; Rck=250; fck=207.5; fctk=15.86; fctm=22.65; Ecm=302005;
 gc=1.5; fcd=117.6; fbd=23.79; fctd=10.57; Ec2=0.2%; Ecu=0.35%
 ACCIAIO: FeB32 (1972); ftk=3200; fyk=3200; Es=2000000; gs=1.15; fyd=2782.6;
 ftd=2782.6; fud=2782.6; Eyd=0.1391%; Eud=3.99996%

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.

CLS : σ_c (rara)=124.5; σ_c (quasi permanente)=93.4; fbd(esercizio)=23.79ACCIAIO: σ_f (rara)=2560; Coeff.Omogoeizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (sismico)	2
3	SLU VENTOY	SLU (sismico)	2
6	SLU con SISMAY PRINC	SLU (sismico)	64
7	SLU con SISMAY PRINC	SLU (sismico)	64
12	SLU GER SISMAY PRINC	SLU (sismico)	64
13	SLU GER SISMAY PRINC	SLU (sismico)	64
17	Rara	RARA	1
18	Rara Ventox	RARA	2
19	Rara VentoY	RARA	2
20	Frequente	FREQUENTE	1
21	Frequente Ventox	FREQUENTE	2
22	Frequente VentoY	FREQUENTE	2
23	Quasi Perm	QUASI PERMAN.	1

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SEZIONI UTILIZZATE

1) Rettangolare: base=35; alt.=35; Acl=1225; iy=10.1; iz=10.1

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2.	2.	.27	.27	80.	56.	0.	0.	8.04	.657	4φ16
2	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657	4φ16
3	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657	4φ16

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (inclusi imperfezioni e second'ordine):

Asta	Caso	NEd	MEyd	MEzd	E c/s	σc	E acc	σf	VE		
> 1	2- 1	-53543.	122702.	6.28	-122702.	5.9	-.066	-64.6	-.014	-281.9	SI
1	2- 1	-53384.	18175.	1.01	36061.	1.01	-.043	-45.	-.032	-630.	SI
1	2- 1	-53224.	121972.	7.42	121972.	1.32	-.065	-64.2	-.014	-280.2	SI
> 2	2- 2	-33457.	119282.	8.67	158882.	1.56	-.053	-54.3	.002	45.1	SI
2	2- 1	-32792.	9261.	1.14	38750.	1.14	-.027	-29.5	-.017	-349.9	SI
2	2- 2	-32104.	114457.	57.2	-119214.	1.74	-.047	-48.7	-.001	-21.2	SI
> 3	2- 1	-12456.	40902.	20.	244069.	1.12	-.051	-52.8	.049	984.1	SI
3	2- 2	-11770.	-462.	1.05	-10805.	1.05	-.009	-10.	-.007	-132.	SI
3	2- 1	-11102.	-36457.	11.4	-249757.	1.11	-.052	-53.2	.057	1135.7	SI

INSTABILITA' - RIGIDEZZA NOMINALE Y [EC2 5.8.7]:

Asta	Caso	NB	10	Jn	Jc/s/Jn	Mca1	M0Ed	MEd	nu
1 I	2- 1	-4909630.	80.	10541.8	11.8625	19524.	121364.	122702.	.372
2 I	2- 2	-276199.3	340.	10711.9	11.6741	13762.	104833.	119282.	.232
3 S	2- 1	-271783.4	340.	10540.6	11.8638	-3201.	-34786.	-36457.	.086

INSTABILITA' - RIGIDEZZA NOMINALE Z [EC2 5.8.7]:

Asta	Caso	NB	10	Jn	Jc/s/Jn	Mca1	M0Ed	MEd	nu
1 I	2- 1	-4909630.	80.	10541.8	11.8625	-20780.	-121364.	-122702.	.372
2 I	2- 2	-276199.3	340.	10711.9	11.6741	101718.	139636.	158882.	.232
3 S	2- 1	-271783.4	340.	10540.6	11.8638	-225728.	-238310.	-249757.	.086

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	2- 1	1411.2	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 C	2- 1	1411.2	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 S	2- 1	1411.2	5576.2	5576.2	25144.8	.57	20.	2.5	NO
2 I	6-33	-632.9	5576.2	5576.2	23197.	.57	20.	2.5	NO
2 C	6-33	-632.9	5576.2	5576.2	23124.3	.57	20.	2.5	NO
2 S	6-33	-632.9	5576.2	5576.2	23051.6	.57	20.	2.5	NO
3 I	2- 1	-1307.3	5576.2	5576.2	21855.4	.57	20.	2.5	NO
3 C	2- 1	-1307.3	5576.2	5576.2	21760.8	.57	20.	2.5	NO
3 S	2- 1	-1307.3	5576.2	5576.2	21666.3	.57	20.	2.5	NO

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	6-41	148.1	5576.2	5576.2	24902.8	.57	20.	2.5	NO
1 C	6-41	148.1	5576.2	5576.2	24885.7	.57	20.	2.5	NO
1 S	6-41	148.1	5576.2	5576.2	24868.6	.57	20.	2.5	NO
2 I	6-41	98.8	5576.2	5576.2	23197.	.57	20.	2.5	NO
2 C	6-41	98.8	5576.2	5576.2	23124.3	.57	20.	2.5	NO
2 S	6-41	98.8	5576.2	5576.2	23051.6	.57	20.	2.5	NO
3 I	6-42	62.3	5576.2	5576.2	21388.9	.57	20.	2.5	NO
3 C	6-42	62.3	5576.2	5576.2	21316.2	.57	20.	2.5	NO
3 S	6-42	62.3	5576.2	5576.2	21243.5	.57	20.	2.5	NO

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	18- 1	-38276.8	13822.	-14591.3	-32.	-388.7	SI
1 C	18- 1	-38154.3	12734.8	25283.8	-33.	-373.6	SI
1 S	18- 1	-38031.8	11647.6	65158.8	-37.6	-316.9	SI
2 I	18- 2	-24096.5	9766.	69906.	-27.5	-156.5	SI
2 C	18- 1	-23583.2	5801.3	23764.6	-21.1	-222.3	SI
2 S	18- 2	-23055.2	1492.5	-45563.1	-22.8	-191.4	SI
3 I	18- 1	-9203.9	1506.8	151463.	-31.4	390.7	SI
3 C	18- 2	-8677.7	-258.5	-7141.9	-7.4	-86.7	SI
3 S	18- 1	-8162.7	-2206.8	-156640.9	-33.	511.1	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	21- 1	-35241.8	11810.2	-10901.7	-29.	-362.8	SI
1 C	21- 1	-35119.3	10874.7	23317.2	-30.3	-345.	SI
1 S	21- 1	-34996.8	9939.2	57536.1	-34.2	-296.1	SI
2 I	21- 2	-22549.5	8454.1	52483.3	-24.1	-165.9	SI
2 C	21- 1	-22030.3	4919.4	17574.9	-19.1	-214.9	SI
2 S	21- 2	-21508.2	1315.9	-21970.8	-18.8	-208.	SI
3 I	21- 1	-9128.2	1123.3	101556.1	-20.8	103.6	SI
3 C	21- 2	-8606.4	-262.1	-4644.2	-7.	-89.5	SI
3 S	21- 1	-8086.9	-1684.2	-109023.4	-22.4	190.1	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	23- 1	-34256.1	11231.2	-9926.7	-28.1	-354.	SI
1 C	23- 1	-34133.6	10339.9	22629.5	-29.4	-335.7	SI
1 S	23- 1	-34011.1	9448.6	55185.7	-33.1	-289.1	SI
2 I	23- 1	-22049.1	8077.6	47955.7	-23.1	-167.3	SI
2 C	23- 1	-21528.5	4672.4	15933.6	-18.5	-212.	SI
2 S	23- 1	-21007.8	1267.2	-16088.4	-17.8	-210.8	SI
3 I	23- 1	-9108.4	1024.5	88726.4	-18.4	54.5	SI
3 C	23- 1	-8587.7	-259.	-3994.6	-6.9	-90.2	SI

3 S| 23- 1| -8067.1| -1542.6| -96715.7| -19.8| 124.9|SI|

MESSAGGI

3) Armatura longitudinale insufficiente [7.4.6.2.2].
10) Passo staffe insufficiente [4.1.6.1.2].
11) Passo staffe insufficiente [7.4.6.2.2].

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P015 (ID=46)
Aste : 200; 9; 41; 71
Metodo di verifica : stati limite - NTC18 (q=1.5 ; muphi=2.4) ->
Duttilita' : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capito 7 attivi.
Unita' di misura : cm; daN; daN/cm; daNcm; daN/cm2; deform. %; 1/r â€°(permille)
Unita' particolari : fessure [wk]:mm - ferri:mm e cm2 - sezioni:cm e derivate.
Copriferrì (assi) : longitudinali= 3.5 ; staffe= 2.5
Imperfezioni : M minimo = N * e0 ; M aggiunto = N * ei
Instabilita' : rigidezza nominale [EC2 5.8.7]; fief=3

MATERIALI

CLS : C20/25; Rck=250; fck=207.5; fctk=15.86; fctm=22.65; Ecm=302005;
gc=1.5; fcd=117.6; fbd=23.79; fctd=10.57; Ec2=0.2%; Ecu=0.35%
ACCIAIO: FeB32 (1972); ftk=3200; fyk=3200; Es=2000000; gs=1.15; fyd=2782.6;
ftd=2782.6; fud=2782.6; Eyd=0.1391%; Eud=3.99996%

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.

CLS : σ_c (rara)=124.5; σ_c (quasi permanente)=93.4; fbd(esercizio)=23.79

ACCIAIO: σ_f (rara)=2560; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (sismico)	2
3	SLU VENTOY	SLU (sismico)	2
6	SLU con SISMAX PRINC	SLU (sismico)	64
7	SLU con SISMAX PRINC	SLU (sismico)	64
12	SLU GER SISMAX PRINC	SLU (sismico)	64
13	SLU GER SISMAX PRINC	SLU (sismico)	64
17	Rara	RARA	1
18	Rara VentoX	RARA	2
19	Rara VentoY	RARA	2
20	Frequente	FREQUENTE	1
21	Frequente VentoX	FREQUENTE	2
22	Frequente VentoY	FREQUENTE	2
23	Quasi Perm	QUASI PERMAN.	1

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SEZIONI UTILIZZATE

1) Rettangolare: base=35; alt.=35; Acls=1225; iy=10.1; iz=10.1

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm		
1	1	2.	2.	.27	.27	80.	56.	0.	0.	8.04	.657	4φ16	3
2	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657	4φ16	3
3	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657	4φ16	3
4	1	2.	2.	1.07	1.07	320.	285.	48.	48.	8.04	.657	4φ16	3

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (inclusi imperfezioni e second'ordine):

Asta	Caso	NEd	MEyd	MEzd	E cIs	σ_c	E acc	σ_f	VE		
> 1	2- 1	-57648.	132221.	8.64	-132221.	8.72	-.072	-69.1	-.015	-302.4	SI
1	2- 1	-57489.	14790.	1.01	25550.	1.01	-.044	-46.4	-.036	-716.8	SI
1	2- 1	-57330.	131490.	9.43	131490.	2.	-.071	-68.8	-.015	-300.8	SI
> 2	2- 1	-38888.	141721.	11.6	141721.	2.92	-.058	-58.3	-.001	-21.2	SI
2	2- 1	-38211.	9941.	1.16	35054.	1.16	-.03	-33.1	-.021	-429.9	SI
2	2- 1	-37534.	136788.	28.2	136788.	11.6	-.056	-56.4	-.001	-21.2	SI
> 3	2- 1	-19168.	64591.	16.3	248858.	1.19	-.055	-55.9	.031	617.2	SI
3	2- 2	-18387.	-659.	1.08	-9826.	1.08	-.013	-14.7	-.011	-219.9	SI
3	2- 1	-17814.	-60029.	10.5	-252171.	1.18	-.055	-56.1	.035	706.	SI
> 4	2- 2	-2805.	-12402.	1.33	272523.	1.02	-.05	-51.6	.106	2112.8	SI
4	2- 2	-2168.	-4373.	1.01	43528.	1.01	-.008	-9.5	.008	166.	SI
4	2- 1	-1649.	-5107.	2.13	-206206.	1.02	-.036	-38.8	.082	1632.	SI

INSTABILITA' - RIGIDEZZA NOMINALE Y [EC2 5.8.7]:

Asta	Caso	NB	I0	Jn	JcIs/Jn	McaI	M0Ed	MEd	nu
1 I	2- 1	-4913299.	80.	10549.7	11.8536	15295.	130669.	132221.	.4
2 I	2- 1	-277341.1	340.	10756.2	11.6261	12247.	121849.	141721.	.27
3 S	2- 1	-273194.7	340.	10595.4	11.8025	-5740.	-55818.	-60029.	.133
4 I	2- 2	-304488.	320.	10460.6	11.9546	-9296.	-12288.	-12402.	.019

INSTABILITA' - RIGIDEZZA NOMINALE Z [EC2 5.8.7]:

Asta	Caso	NB	Io	Jn	JcIs/Jn	McaI	M0Ed	MEd	nu
1 I	2- 1	-4913299.	80.	10549.7	11.8536	-15170.	-130669.	-132221.	.4
2 I	2- 1	-277341.1	340.	10756.2	11.6261	48511.	121849.	141721.	.27
3 S	2- 1	-273194.7	340.	10595.4	11.8025	-214289.	-234479.	-252171.	.133
4 I	2- 2	-304488.	320.	10460.6	11.9546	267021.	270013.	272523.	.019

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	6-20	1150.5	5576.2	5576.2	25120.8	.57	20.	2.5	NO
1 C	6-20	1150.5	5576.2	5576.2	25103.6	.57	20.	2.5	NO
1 S	6-20	1150.5	5576.2	5576.2	25086.5	.57	20.	2.5	NO
2 I	6-33	-534.	5576.2	5576.2	23530.6	.57	20.	2.5	NO
2 C	6-33	-534.	5576.2	5576.2	23457.9	.57	20.	2.5	NO
2 S	6-33	-534.	5576.2	5576.2	23385.2	.57	20.	2.5	NO
3 I	2- 1	-1247.	5576.2	5576.2	22792.7	.57	20.	2.5	NO
3 C	2- 1	-1247.	5576.2	5576.2	22698.2	.57	20.	2.5	NO
3 S	2- 1	-1247.	5576.2	5576.2	22603.7	.57	20.	2.5	NO
4 I	2- 1	-1468.2	5576.2	5576.2	20524.1	.57	20.	2.5	NO
4 C	2- 1	-1468.2	5576.2	5576.2	20435.2	.57	20.	2.5	NO
4 S	2- 1	-1468.2	5576.2	5576.2	20346.2	.57	20.	2.5	NO

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	6-41	124.1	5576.2	5576.2	25142.5	.57	20.	2.5	NO
1 C	6-41	124.1	5576.2	5576.2	25125.4	.57	20.	2.5	NO
1 S	6-41	124.1	5576.2	5576.2	25108.2	.57	20.	2.5	NO
2 I	6-41	86.5	5576.2	5576.2	23530.5	.57	20.	2.5	NO
2 C	6-41	86.5	5576.2	5576.2	23457.8	.57	20.	2.5	NO
2 S	6-41	86.5	5576.2	5576.2	23385.1	.57	20.	2.5	NO
3 I	6-60	60.5	5576.2	5576.2	21812.6	.57	20.	2.5	NO
3 C	6-60	60.5	5576.2	5576.2	21739.9	.57	20.	2.5	NO
3 S	6-60	60.5	5576.2	5576.2	21667.2	.57	20.	2.5	NO
4 I	6-23	-47.5	5576.2	5576.2	20369.7	.57	20.	2.5	NO
4 C	6-23	-47.5	5576.2	5576.2	20301.3	.57	20.	2.5	NO
4 S	6-23	-47.5	5576.2	5576.2	20232.9	.57	20.	2.5	NO

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	18- 1	-41103.8	10807.2	-10650.5	-33.3	-430.3	SI
1 C	18- 1	-40981.3	10334.7	18528.2	-34.1	-418.4	SI
1 S	18- 1	-40858.8	9862.2	47706.9	-37.4	-376.	SI
2 I	18- 2	-27793.9	6468.	49779.2	-27.5	-231.4	SI
2 C	18- 1	-27332.1	6104.6	20827.8	-23.6	-268.1	SI
2 S	18- 2	-26752.7	4397.8	-31291.6	-24.2	-249.1	SI
3 I	18- 1	-13858.2	2920.4	142963.8	-29.6	114.1	SI
3 C	18- 2	-13268.3	-310.5	-5013.8	-10.6	-141.2	SI
3 S	18- 1	-12816.9	-3914.9	-143880.5	-29.8	155.8	SI
4 I	18- 2	-2089.7	-6386.	185217.2	-40.2	1387.5	SI
4 C	18- 2	-1599.7	-2960.4	28938.1	-6.6	94.1	SI
4 S	18- 1	-1189.	-1553.8	-141807.1	-29.6	1097.2	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	21- 1	-37131.9	8948.6	-7525.4	-29.7	-392.9	SI
1 C	21- 1	-37009.4	8529.8	20038.3	-31.1	-374.3	SI
1 S	21- 1	-36886.9	8111.	47602.1	-34.2	-334.1	SI
2 I	21- 2	-25146.1	6379.9	32549.7	-23.4	-226.4	SI
2 C	21- 1	-24637.2	5076.	14414.3	-20.7	-248.5	SI
2 S	21- 2	-24104.9	3503.4	-8354.6	-19.4	-253.4	SI
3 I	21- 1	-12428.7	2364.	86246.8	-19.9	-11.5	SI
3 C	21- 1	-11908.1	-377.1	2543.3	-9.2	-129.4	SI
3 S	21- 1	-11387.5	-3118.3	-81160.3	-18.6	-5.3	SI
4 I	21- 2	-1938.2	-4736.4	135294.3	-29.5	966.5	SI
4 C	21- 2	-1448.2	-2523.9	16890.2	-3.9	25.2	SI
4 S	21- 1	-974.	-715.2	-104407.1	-21.7	794.7	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	23- 1	-35915.8	8426.9	-6713.7	-28.7	-381.2	SI
1 C	23- 1	-35793.3	8024.4	20163.3	-30.1	-361.2	SI
1 S	23- 1	-35670.8	7621.9	47040.3	-33.2	-322.	SI
2 I	23- 1	-24372.	6317.8	28284.4	-22.3	-223.9	SI
2 C	23- 1	-23851.3	4786.7	12754.	-19.9	-242.4	SI
2 S	23- 1	-23330.7	3255.7	-2776.3	-18.2	-253.	SI
3 I	23- 1	-12070.	2208.4	72031.4	-17.9	-29.4	SI
3 C	23- 1	-11549.4	-347.7	3163.	-9.1	-124.5	SI
3 S	23- 1	-11028.7	-2903.8	-65705.3	-16.4	-25.7	SI
4 I	23- 1	-1897.3	-4301.7	122127.3	-26.6	855.7	SI
4 C	23- 1	-1407.3	-2403.	13782.7	-3.2	13.1	SI
4 S	23- 1	-917.3	-504.2	-94561.9	-19.6	715.2	SI

MESSAGGI

3) Armatura longitudinale insufficiente [7.4.6.2.2].

10) Passo staffe insufficiente [4.1.6.1.2].

11) Passo staffe insufficiente [7.4.6.2.2].

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P016 (ID=47)
 Aste : 199; 8; 40; 70
 Metodo di verifica : stati limite - NTC18 (q=1.5 ; muphi=2.4) ->
 Duttilita' : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capito 7 attivi.
 Unita' di misura : cm; daN; daN/cm; daNcm; daN/cm2; deform. %; 1/r â€°(permille)
 Unita' particolari : fessure [wk]:mm - ferri:mm e cm2 - sezioni:cm e derivate.
 Copriferrì (assi) : longitudinali= 3.5 ; staffe= 2.5
 Imperfezioni : M minimo = N * e0 ; M aggiunto = N * ei
 Instabilita' : rigidezza nominale [EC2 5.8.7]; fief=3

MATERIALI

CLS : C20/25; Rck=250; fck=207.5; fctk=15.86; fctm=22.65; Ecm=302005;
 gc=1.5; fcd=117.6; fbd=23.79; fctd=10.57; Ec2=0.2%; Ecu=0.35%
 ACCIAIO: FeB32 (1972); ftk=3200; fyk=3200; Es=2000000; gs=1.15; fyd=2782.6;
 ftd=2782.6; fud=2782.6; Eyd=0.1391%; Eud=3.99996%

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.

CLS : σ_c (rara)=124.5; σ_c (quasi permanente)=93.4; fbd(esercizio)=23.79

ACCIAIO: σ_f (rara)=2560; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (sismico)	2
3	SLU VENTOY	SLU (sismico)	2
6	SLU con SISMAY PRINC	SLU (sismico)	64
7	SLU con SISMAY PRINC	SLU (sismico)	64
12	SLU GER SISMAY PRINC	SLU (sismico)	64
13	SLU GER SISMAY PRINC	SLU (sismico)	64
17	Rara	RARA	1
18	Rara VentoX	RARA	2
19	Rara VentoY	RARA	2
20	Frequente	FREQUENTE	1
21	Frequente VentoX	FREQUENTE	2
22	Frequente VentoY	FREQUENTE	2
23	Quasi Perm	QUASI PERMAN.	1

<-

SEZIONI UTILIZZATE

1) Rettangolare: base=35; alt.=35; Acls=1225; iy=10.1; iz=10.1

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	ei	ey	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2.	2.	.27	.27	80.	56.	0.	0.	8.04	.657	4φ16
2	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657	4φ16
3	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657	4φ16
4	1	2.	2.	1.07	1.07	320.	285.	48.	48.	8.04	.657	4φ16

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (inclusi imperfezioni e second'ordine):

Asta	Caso	NEd	MEyd	MEzd	E cIs	σ_c	E acc	σ_f	VE		
> 1	2- 1	-55554.	127363.	10.3	-127363.	8.23	-.069	-66.8	-.015	-292.	SI
1	2- 1	-55395.	13611.	1.01	139090.	1.01	-.056	-56.8	-.024	-478.8	SI
1	2- 1	-55235.	126633.	8.73	308726.	1.06	-.091	-82.9	.003	51.3	SI
> 2	2- 1	-38858.	141593.	12.1	-179762.	1.63	-.063	-62.1	.003	53.3	SI
2	2- 1	-38181.	9170.	1.16	35367.	1.16	-.03	-33.	-.022	-430.3	SI
2	2- 1	-37504.	136661.	33.8	248712.	1.45	-.071	-68.6	.011	229.	SI
> 3	2- 2	-20722.	70252.	52.2	-152588.	1.3	-.039	-41.	.007	141.6	SI
3	2- 1	-20143.	-1602.	1.08	31400.	1.08	-.016	-18.6	-.01	-205.6	SI
3	2- 2	-19369.	65663.	27.	198575.	1.23	-.045	-47.2	.017	336.7	SI
> 4	2- 1	-1604.	-4944.	1.74	39188.	1.05	-.008	-8.8	.009	184.9	SI
4	2- 1	-967.	-2138.	1.01	-32559.	1.01	-.006	-6.9	.009	183.5	SI
4	2- 1	-330.	-1774.	1.26	-102940.	1.01	-.017	-19.5	.043	867.1	SI

INSTABILITA' - RIGIDEZZA NOMINALE Y [EC2 5.8.7]:

Asta	Caso	NB	Io	Jn	JcIs/Jn	McaI	M0Ed	MEd	nu
1 S	2- 1	-4911427.	80.	10545.7	11.8582	14513.	125200.	126633.	.386
2 S	2- 1	-277334.7	340.	10755.9	11.6263	4042.	117513.	136661.	.27
3 S	2- 2	-273521.6	340.	10608.1	11.7884	2429.	60688.	65663.	.144
4 S	2- 1	-304219.8	320.	10451.4	11.9651	-1413.	-1765.	-1774.	.011

INSTABILITA' - RIGIDEZZA NOMINALE Z [EC2 5.8.7]:

Asta	Caso	NB	Io	Jn	JcIs/Jn	McaI	M0Ed	MEd	nu
1 S	2- 1	-4911427.	80.	10545.7	11.8582	290504.	305234.	308726.	.386
2 S	2- 1	-277334.7	340.	10755.9	11.6263	171360.	213864.	248712.	.27
3 S	2- 2	-273521.6	340.	10608.1	11.7884	161580.	183531.	198575.	.144
4 S	2- 1	-304219.8	320.	10451.4	11.9651	-102045.	-102397.	-102940.	.011

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	2- 1	3824.7	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 C	2- 1	3824.7	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 S	2- 1	3824.7	5576.2	5576.2	25144.8	.57	20.	2.5	NO

2 I	6-32	882.9	5576.2	5576.2	23417.6	.57	20.	2.5	NO	11
2 C	6-32	882.9	5576.2	5576.2	23344.9	.57	20.	2.5	NO	10
2 S	6-32	882.9	5576.2	5576.2	23272.2	.57	20.	2.5	NO	11
3 I	2- 2	820.9	5576.2	5576.2	23009.8	.57	20.	2.5	NO	11
3 C	2- 2	820.9	5576.2	5576.2	22915.3	.57	20.	2.5	NO	10
3 S	2- 2	820.9	5576.2	5576.2	22820.8	.57	20.	2.5	NO	11
4 I	2- 1	-435.4	5576.2	5576.2	20339.8	.57	20.	2.5	NO	11
4 C	2- 1	-435.4	5576.2	5576.2	20250.9	.57	20.	2.5	NO	10
4 S	2- 1	-435.4	5576.2	5576.2	20161.9	.57	20.	2.5	NO	11

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE	
1 I	6-41	84.5	5576.2	5576.2	24895.3	.57	20.	2.5	NO	11
1 C	6-41	84.5	5576.2	5576.2	24878.2	.57	20.	2.5	NO	10
1 S	6-41	84.5	5576.2	5576.2	24861.1	.57	20.	2.5	NO	11
2 I	6-41	64.5	5576.2	5576.2	23431.9	.57	20.	2.5	NO	11
2 C	6-41	64.5	5576.2	5576.2	23359.2	.57	20.	2.5	NO	10
2 S	6-41	64.5	5576.2	5576.2	23286.5	.57	20.	2.5	NO	11
3 I	6-42	48.9	5576.2	5576.2	21837.7	.57	20.	2.5	NO	11
3 C	6-42	48.9	5576.2	5576.2	21765.	.57	20.	2.5	NO	10
3 S	6-42	48.9	5576.2	5576.2	21692.3	.57	20.	2.5	NO	11
4 I	6-24	28.4	5576.2	5576.2	20339.7	.57	20.	2.5	NO	11
4 C	6-24	28.4	5576.2	5576.2	20271.2	.57	20.	2.5	NO	10
4 S	6-24	28.4	5576.2	5576.2	20202.8	.57	20.	2.5	NO	11

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	18- 1	-39538.5	8774.	-10851.	-31.9	-415.4	SI
1 C	18- 1	-39416.	9467.5	97331.7	-42.2	-289.6	SI
1 S	18- 1	-39293.5	10161.	205514.3	-55.	-132.8	SI
2 I	18- 1	-27732.9	8209.4	-79180.6	-31.1	-186.3	SI
2 C	18- 1	-27212.2	5638.1	21222.1	-23.5	-266.8	SI
2 S	18- 1	-26691.6	3066.8	121624.7	-34.8	-121.3	SI
3 I	18- 2	-14850.4	1167.6	-81751.8	-21.	-48.2	SI
3 C	18- 1	-14395.1	-771.8	20369.7	-13.3	-131.3	SI
3 S	18- 2	-13809.2	1779.6	113169.2	-24.4	21.5	SI
4 I	18- 1	-1309.7	-1750.1	26563.5	-5.9	97.	SI
4 C	18- 1	-819.7	-1357.5	-22058.9	-5.	105.4	SI
4 S	18- 1	-329.7	-964.8	-70681.3	-14.7	578.4	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	21- 1	-35338.2	7212.5	-7559.5	-28.2	-375.2	SI
1 C	21- 1	-35215.7	7312.5	84057.5	-37.2	-264.5	SI
1 S	21- 1	-35093.2	7412.5	175674.4	-48.	-132.2	SI
2 I	21- 1	-24578.7	5856.	-65014.6	-26.8	-174.5	SI
2 C	21- 1	-24058.	4798.8	15698.	-20.4	-240.5	SI
2 S	21- 1	-23537.4	3741.6	96410.7	-29.5	-121.	SI
3 I	21- 2	-12853.3	919.3	-46625.3	-15.3	-76.3	SI
3 C	21- 1	-12345.7	-123.1	14226.7	-10.9	-118.	SI
3 S	21- 2	-11812.1	-267.3	73214.3	-17.6	-27.6	SI
4 I	21- 1	-1503.8	-540.6	19542.8	-4.1	31.7	SI
4 C	21- 1	-1013.8	-793.2	-13919.5	-3.	26.7	SI
4 S	21- 1	-523.8	-1045.8	-47381.9	-10.1	354.	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	23- 1	-34092.2	6774.1	-6706.2	-27.1	-363.1	SI
1 C	23- 1	-33969.7	6726.9	80020.4	-35.7	-257.1	SI
1 S	23- 1	-33847.2	6679.7	166747.	-45.9	-132.	SI
2 I	23- 1	-23693.6	5226.8	-60681.5	-25.6	-171.6	SI
2 C	23- 1	-23172.9	4556.4	14217.5	-19.6	-233.1	SI
2 S	23- 1	-22652.3	3885.9	89116.6	-28.	-121.3	SI
3 I	23- 1	-12357.8	844.2	-37198.4	-13.8	-84.3	SI
3 C	23- 1	-11837.2	34.3	12664.1	-10.4	-114.6	SI
3 S	23- 1	-11316.6	-775.6	62526.6	-16.	-36.5	SI
4 I	23- 1	-1554.	-238.3	17302.1	-3.5	17.8	SI
4 C	23- 1	-1064.	-647.7	-11923.8	-2.5	13.5	SI
4 S	23- 1	-574.	-1057.	-41149.6	-8.8	294.3	SI

MESSAGGI

- 3) Armatura longitudinale insufficiente [7.4.6.2.2].
 10) Passo staffe insufficiente [4.1.6.1.2].
 11) Passo staffe insufficiente [7.4.6.2.2].

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P017 (ID=48)
 Aste : 198; 7; 39; 69
 Metodo di verifica : stati limite - NTC18 (q=1.5 ; muphi=2.4) ->
 Duttilita' : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capito 7 attivi.
 Unita' di misura : cm; daN; daN/cm; daN/cm2; deform. %; 1/r â€°(permille)
 Unita' particolari : fessure [wk]:mm - ferri:mm e cm2 - sezioni:cm e derivate.
 Copriferrì (assi) : longitudinali= 3.5 ; staffe= 2.5
 Imperfezioni : M minimo = N * e0 ; M aggiunto = N * ei

Instabilita' : rigidezza nominale [EC2 5.8.7]; $\eta=3$

MATERIALI

CLS : C20/25; $R_{ck}=250$; $f_{ck}=207.5$; $f_{ctk}=15.86$; $f_{ctm}=22.65$; $E_{cm}=302005$;
 $g_c=1.5$; $f_{cd}=117.6$; $f_{bd}=23.79$; $f_{ctd}=10.57$; $E_{c2}=0.2\%$; $E_{cu}=0.35\%$;
 ACCIAIO: FeB32 (1972); $f_{tk}=3200$; $f_{yk}=3200$; $E_s=2000000$; $g_s=1.15$; $f_{yd}=2782.6$;
 $f_{td}=2782.6$; $f_{ud}=2782.6$; $E_{yd}=0.1391\%$; $E_{ud}=3.99996\%$

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.

CLS : σ_c (rara)=124.5; σ_c (quasi permanente)=93.4; f_{bd} (esercizio)=23.79ACCIAIO: σ_f (rara)=2560; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (sismico)	2
3	SLU VENTOY	SLU (sismico)	2
6	SLU con SISMAY PRINC	SLU (sismico)	64
7	SLU con SISMAY PRINC	SLU (sismico)	64
12	SLU GER SISMAY PRINC	SLU (sismico)	64
13	SLU GER SISMAY PRINC	SLU (sismico)	64
17	Rara	RARA	1
18	Rara VentoX	RARA	2
19	Rara VentoY	RARA	2
20	Frequente	FREQUENTE	1
21	Frequente VentoX	FREQUENTE	2
22	Frequente VentoY	FREQUENTE	2
23	Quasi Perm	QUASI PERMAN.	1

<-

SEZIONI UTILIZZATE

1) Rettangolare: base=35; alt.=35; $A_{cl}=1225$; $i_y=10.1$; $i_z=10.1$

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2.	2.	.27	.27	80.	56.	0.	0.	8.04	.657	4φ16
2	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657	4φ16
3	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657	4φ16
4	1	2.	2.	1.07	1.07	320.	285.	48.	48.	8.04	.657	4φ16

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (inclusi imperfezioni e second'ordine):

Asta	Caso	NEd	MEyd	MEzd	E cl	σ_c	E acc	σ_f	VE
> 1	2- 2	-49002.	112193.	17.7	-112193.	24.9	-.059	-59.4	-.013
1	2- 1	-48791.	14025.	1.01	166845.	1.01	-.054	-55.1	-.017
1	2- 1	-48632.	111343.	7.12	361732.	1.05	-.092	-83.5	.013
> 2	2- 1	-33686.	120206.	64.9	-230642.	1.4	-.064	-62.9	.011
2	2- 1	-33009.	8213.	1.14	39543.	1.14	-.027	-29.6	-.018
2	2- 1	-32332.	115376.	9.18	307982.	1.32	-.076	-72.3	.025
> 3	2- 2	-17775.	-59574.	6.5	-190623.	1.21	-.043	-45.	.017
3	2- 1	-17049.	-7011.	1.07	14960.	1.07	-.013	-15.1	-.009
3	2- 2	-16421.	55037.	61.1	206304.	1.18	-.045	-47.2	.024
> 4	2- 2	-951.	5634.	1.22	-54756.	1.02	-.011	-12.1	.02
4	2- 2	-314.	992.	1.	36404.	1.	-.006	-7.2	.014
4	2- 2	323.	-2978.	1.13	126891.	1.01	-.021	-23.7	.058

INSTABILITA' - RIGIDEZZA NOMINALE Y [EC2 5.8.7]:

Asta	Caso	NB	Jn	JcIs/Jn	McaI	M0Ed	MEd	nu
1 S	2- 1	-4905526.	80.	10533.	11.8724	15647.	110232.	111343.
2 S	2- 1	-276247.2	340.	10713.8	11.6721	12572.	101307.	115376.
3 S	2- 2	-272901.8	340.	10584.	11.8152	901.	51453.	55037.
4 S	2- 2	-304074.1	320.	10446.4	11.9709	-2625.	-2969.	-2978.

INSTABILITA' - RIGIDEZZA NOMINALE Z [EC2 5.8.7]:

Asta	Caso	NB	Jn	JcIs/Jn	McaI	M0Ed	MEd	nu
1 S	2- 1	-4905526.	80.	10533.	11.8724	345154.	358123.	361732.
2 S	2- 1	-276247.2	340.	10713.8	11.6721	233784.	270426.	307982.
3 S	2- 2	-272901.8	340.	10584.	11.8152	174257.	192867.	206304.
4 S	2- 2	-304074.1	320.	10446.4	11.9709	126149.	126493.	126891.

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	2- 1	4499.3	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 C	2- 1	4499.3	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 S	2- 1	4499.3	5576.2	5576.2	25144.8	.57	20.	2.5	NO
2 I	2- 1	1171.	5576.2	5576.2	24820.2	.57	20.	2.5	NO
2 C	2- 1	1171.	5576.2	5576.2	24725.7	.57	20.	2.5	NO
2 S	2- 1	1171.	5576.2	5576.2	24631.2	.57	20.	2.5	NO
3 I	2- 2	977.4	5576.2	5576.2	22598.2	.57	20.	2.5	NO
3 C	2- 2	977.4	5576.2	5576.2	22503.7	.57	20.	2.5	NO
3 S	2- 2	977.4	5576.2	5576.2	22409.2	.57	20.	2.5	NO
4 I	2- 2	561.6	5576.2	5576.2	20248.7	.57	20.	2.5	NO
4 C	2- 2	561.6	5576.2	5576.2	20159.8	.57	20.	2.5	NO
4 S	2- 2	561.6	5576.2	5576.2	20115.9	.57	20.	2.5	NO

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE

1 I	2- 2	-317.8	5576.2	5576.2	25144.8	.57	20.	2.5	NO	11
1 C	2- 2	-317.8	5576.2	5576.2	25144.8	.57	20.	2.5	NO	10
1 S	2- 2	-317.8	5576.2	5576.2	25144.8	.57	20.	2.5	NO	11
2 I	6-32	-60.9	5576.2	5576.2	23033.7	.57	20.	2.5	NO	11
2 C	6-32	-60.9	5576.2	5576.2	22961.	.57	20.	2.5	NO	10
2 S	6-32	-60.9	5576.2	5576.2	22888.2	.57	20.	2.5	NO	11
3 I	6-23	-34.5	5576.2	5576.2	21618.6	.57	20.	2.5	NO	11
3 C	6-23	-34.5	5576.2	5576.2	21545.9	.57	20.	2.5	NO	10
3 S	6-23	-34.5	5576.2	5576.2	21473.2	.57	20.	2.5	NO	11
4 I	6-20	37.5	5576.2	5576.2	20276.	.57	20.	2.5	NO	11
4 C	6-20	37.5	5576.2	5576.2	20207.6	.57	20.	2.5	NO	10
4 S	6-20	37.5	5576.2	5576.2	20139.1	.57	20.	2.5	NO	11

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	18- 1	-34862.5	8529.7	-10355.9	-28.3	-364.	SI
1 C	18- 1	-34740.	9982.	116260.5	-41.	-209.4	SI
1 S	18- 1	-34617.5	11434.3	242876.8	-56.4	-20.	SI
2 I	18- 1	-24069.5	1865.5	-116329.5	-32.1	-101.2	SI
2 C	18- 1	-23548.9	5176.	24196.1	-21.1	-222.2	SI
2 S	18- 1	-23028.3	8486.5	164721.6	-38.	-6.1	SI
3 I	18- 2	-12755.1	-6177.8	-109696.3	-24.	40.7	SI
3 C	18- 1	-12202.	-4152.7	9999.	-10.8	-116.6	SI
3 S	18- 2	-11713.8	1099.2	121839.5	-25.	97.6	SI
4 I	18- 2	-824.7	3390.8	-36371.3	-8.6	233.5	SI
4 C	18- 2	-334.7	782.3	25294.3	-5.5	183.5	SI
4 S	18- 2	155.3	-1826.3	86959.9	-18.	780.9	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	21- 1	-31417.7	6366.6	-6813.	-25.1	-333.5	SI
1 C	21- 1	-31295.2	10386.4	91484.5	-35.5	-205.5	SI
1 S	21- 1	-31172.7	14406.3	189781.9	-47.6	-58.	SI
2 I	21- 1	-21559.	2661.	-85025.3	-26.5	-116.6	SI
2 C	21- 1	-21038.4	5963.4	17074.7	-18.5	-203.	SI
2 S	21- 1	-20517.8	9265.9	119174.7	-30.6	-46.8	SI
3 I	21- 2	-11110.2	-6154.1	-59178.9	-16.1	-31.3	SI
3 C	21- 1	-10583.1	-3717.6	7938.6	-9.3	-102.	SI
3 S	21- 2	-10068.9	-635.6	73485.2	-16.4	-4.7	SI
4 I	21- 2	-1050.	1392.3	-22284.4	-5.	85.4	SI
4 C	21- 2	-560.	321.3	17196.	-3.7	87.8	SI
4 S	21- 2	-70.	-749.7	56676.4	-11.7	486.7	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	23- 1	-30398.8	5786.1	-5900.7	-24.1	-324.2	SI
1 C	23- 1	-30276.3	10418.5	84479.1	-33.9	-204.1	SI
1 S	23- 1	-30153.8	15050.9	174858.8	-45.1	-67.1	SI
2 I	23- 1	-20861.6	2772.2	-76265.3	-25.	-121.1	SI
2 C	23- 1	-20341.	6120.	15206.9	-17.7	-197.7	SI
2 S	23- 1	-19820.4	9467.8	106679.2	-28.6	-56.5	SI
3 I	23- 1	-10715.9	-6161.6	-45638.	-14.2	-46.2	SI
3 C	23- 1	-10195.2	-3600.5	7302.8	-8.9	-98.8	SI
3 S	23- 1	-9674.6	-1039.4	60243.6	-14.5	-21.	SI
4 I	23- 1	-1114.6	899.	-18397.4	-4.	49.5	SI
4 C	23- 1	-624.6	210.5	15034.5	-3.2	63.2	SI
4 S	23- 1	-134.6	-478.	48466.5	-10.	406.6	SI

MESSAGGI

3) Armatura longitudinale insufficiente [7.4.6.2.2].

10) Passo staffe insufficiente [4.1.6.1.2].

11) Passo staffe insufficiente [7.4.6.2.2].

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P018 (ID=49)
 Aste : 197; 6; 38; 68
 Metodo di verifica : stati limite - NTC18 (q=1.5 ; μ_{phi} =2.4) ->
 Duttilita' : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capito 7 attivi.
 Unita' di misura : cm; daN; daN/cm; daNcm; daN/cm²; deform. %; 1/r $\hat{=}$ (permille)
 Unita' particolari : fessure [wk];mm - ferri:mm e cm² - sezioni:cm e derivate.
 Copriferr (assi) : longitudinali= 3.5 ; staffe= 2.5
 Imperfezioni : M minimo = N * e₀ ; M aggiunto = N * e_i
 Instabilita' : rigidezza nominale [EC2 5.8.7]; η_{ief} =3

MATERIALI

CLS : C20/25; R_{ck}=250; f_{ck}=207.5; f_{ctk}=15.86; f_{ctm}=22.65; E_{cm}=302005;
 gc=1.5; f_{cd}=117.6; f_{bd}=23.79; f_{ctd}=10.57; E_{c2}=0.2%; E_{c1}=0.35%
 ACCIAIO: FeB32 (1972); f_{tk}=3200; f_{yk}=3200; E_s=2000000; g_s=1.15; f_{yd}=2782.6;
 f_{td}=2782.6; f_{ud}=2782.6; E_{yd}=0.1391%; E_{ud}=3.99996%

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.

CLS : σ_c (rara)=124.5; σ_c (quasi permanente)=93.4; fbd(esercizio)=23.79
 ACCIAIO: σ_f (rara)=2560; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (sismico)	2
3	SLU VENTOY	SLU (sismico)	2
6	SLU con SISMAY PRINC	SLU (sismico)	64
7	SLU con SISMAY PRINC	SLU (sismico)	64
12	SLU GER SISMAY PRINC	SLU (sismico)	64
13	SLU GER SISMAY PRINC	SLU (sismico)	64
17	Rara	RARA	1
18	Rara VentoX	RARA	2
19	Rara VentoY	RARA	2
20	Frequente	FREQUENTE	1
21	Frequente VentoX	FREQUENTE	2
22	Frequente VentoY	FREQUENTE	2
23	Quasi Perm	QUASI PERMAN.	1

<-

SEZIONI UTILIZZATE

1) Rettangolare: base=35; alt.=35; Acls=1225; iy=10.1; iz=10.1

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm		
1	1	2.	2.	.27	.27	80.	56.	0.	0.	8.04	.657	4φ16	3
2	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657	4φ16	3
3	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657	4φ16	3
4	1	2.	2.	1.07	1.07	320.	285.	48.	48.	8.04	.657	4φ16	3

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (inclusi imperfezioni e second'ordine):

Asta	Caso	NEd	MEyd	MEzd	E c/s	σ_c	E acc	σ_f	VE		
> 1	2- 2	-55069.	408320.	1.05	126239.	1.33	-.107	-92.3	.015	307.8	SI
1	2- 2	-54910.	287394.	1.01	179625.	1.01	-.095	-85.4	.006	126.9	SI
1	2- 2	-54751.	196085.	1.09	277989.	1.07	-.096	-85.9	.007	145.7	SI
> 2	2- 1	-35224.	-184836.	1.52	-487310.	1.26	-.131	-103.5	.085	1692.6	SI
2	2- 2	-35323.	23426.	1.15	-11815.	1.15	-.027	-29.9	-.02	-406.8	SI
2	2- 1	-33870.	217808.	1.44	495783.	1.26	-.141	-107.2	.1	2001.	SI
> 3	2- 2	-15916.	-114299.	1.28	-322327.	1.13	-.082	-76.7	.081	1610.9	SI
3	2- 1	-14725.	-41721.	1.06	38529.	1.06	-.018	-19.9	-.003	-57.3	SI
3	2- 2	-14563.	48460.	1.12	377277.	1.11	-.08	-75.3	.096	1925.3	SI
> 4	2- 1	-3134.	13847.	1.34	-228682.	1.03	-.043	-45.	.085	1696.2	SI
4	6-34	-1517.	14565.	1.01	-10015.	1.01	-.004	-4.6	.002	36.2	SI
4	2- 2	-1922.	6462.	1.49	212854.	1.02	-.038	-40.3	.083	1664.6	SI

INSTABILITA' - RIGIDEZZA NOMINALE Y [EC2 5.8.7]:

Asta	Caso	NB	Io	Jn	Jc/s/Jn	Mca1	M0Ed	MEd	nu
1 I	2- 2	-4910994.	80.	10544.7	11.8592	389057.	403742.	408320.	.382
2 S	2- 1	-276570.6	340.	10726.3	11.6585	151683.	190068.	217808.	.245
3 S	2- 2	-272511.1	340.	10568.9	11.8321	4334.	45630.	48460.	.11
4 I	2- 1	-304561.7	320.	10463.1	11.9517	10361.	13704.	13847.	.022

INSTABILITA' - RIGIDEZZA NOMINALE Z [EC2 5.8.7]:

Asta	Caso	NB	Io	Jn	Jc/s/Jn	Mca1	M0Ed	MEd	nu
1 I	2- 2	-4910994.	80.	10544.7	11.8592	94951.	124823.	126239.	.382
2 S	2- 1	-276570.6	340.	10726.3	11.6585	394255.	432641.	495783.	.245
3 S	2- 2	-272511.1	340.	10568.9	11.8321	338737.	355241.	377277.	.11
4 I	2- 1	-304561.7	320.	10463.1	11.9517	-222985.	-226328.	-228682.	.022

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE	
1 I	2- 1	2366.9	5576.2	5576.2	25144.8	.57	20.	2.5	NO	11
1 C	2- 1	2366.9	5576.2	5576.2	25144.8	.57	20.	2.5	NO	10
1 S	2- 1	2366.9	5576.2	5576.2	25144.8	.57	20.	2.5	NO	11
2 I	2- 1	2292.9	5576.2	5576.2	25035.	.57	20.	2.5	NO	11
2 C	2- 1	2292.9	5576.2	5576.2	24940.5	.57	20.	2.5	NO	10
2 S	2- 1	2292.9	5576.2	5576.2	24846.	.57	20.	2.5	NO	11
3 I	2- 2	1835.9	5576.2	5576.2	22338.7	.57	20.	2.5	NO	11
3 C	2- 2	1835.9	5576.2	5576.2	22244.2	.57	20.	2.5	NO	10
3 S	2- 2	1835.9	5576.2	5576.2	22149.6	.57	20.	2.5	NO	11
4 I	2- 1	1319.4	5576.2	5576.2	20553.6	.57	20.	2.5	NO	11
4 C	2- 1	1319.4	5576.2	5576.2	20464.6	.57	20.	2.5	NO	10
4 S	2- 1	1319.4	5576.2	5576.2	20375.6	.57	20.	2.5	NO	11

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	2- 2	2622.1	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 C	2- 2	2622.1	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 S	2- 2	2622.1	5576.2	5576.2	25144.8	.57	20.	2.5	NO
2 I	2- 1	-803.1	5576.2	5576.2	25035.	.57	20.	2.5	NO
2 C	2- 1	-803.1	5576.2	5576.2	24940.5	.57	20.	2.5	NO
2 S	2- 1	-803.1	5576.2	5576.2	24846.	.57	20.	2.5	NO
3 I	2- 1	-439.9	5576.2	5576.2	22266.8	.57	20.	2.5	NO
3 C	2- 1	-439.9	5576.2	5576.2	22172.3	.57	20.	2.5	NO
3 S	2- 1	-439.9	5576.2	5576.2	22077.8	.57	20.	2.5	NO
4 I	6-42	66.9	5576.2	5576.2	20396.3	.57	20.	2.5	NO
4 C	6-42	66.9	5576.2	5576.2	20327.9	.57	20.	2.5	NO
4 S	6-42	66.9	5576.2	5576.2	20259.4	.57	20.	2.5	NO

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	18- 2	-38859.7	278298.9	66870.2	-71.2	78.6	SI
1 C	18- 2	-38737.2	200011.5	125007.7	-68.	37.7	SI
1 S	18- 2	-38614.7	121724.1	183145.2	-65.3	6.2	SI
2 I	18- 1	-25041.8	-80989.9	-271567.5	-68.8	433.5	SI
2 C	18- 2	-25038.9	13712.3	-7020.6	-21.2	-251.2	SI
2 S	18- 1	-24000.5	101447.1	277181.5	-74.1	564.7	SI
3 I	18- 2	-11488.5	-61212.7	-199494.8	-54.3	743.4	SI
3 C	18- 1	-10624.7	-26013.2	25770.4	-14.1	-45.2	SI
3 S	18- 2	-10447.2	4834.9	238084.4	-50.9	953.2	SI
4 I	18- 1	-2316.5	6629.7	-155999.5	-34.4	1109.5	SI
4 C	18- 1	-1826.5	4327.	-7827.7	-2.8	-3.1	SI
4 S	18- 2	-1378.	2950.1	146584.4	-31.	1122.	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	21- 2	-35425.1	255077.2	55922.6	-64.4	65.5	SI
1 C	21- 2	-35302.6	187874.2	105167.6	-61.6	29.3	SI
1 S	21- 2	-35180.1	120671.3	154412.6	-59.2	1.3	SI
2 I	21- 1	-22855.6	-77119.	-219740.5	-57.5	288.	SI
2 C	21- 2	-22438.5	11935.3	-1981.8	-18.4	-231.8	SI
2 S	21- 1	-21814.4	99596.1	219707.9	-61.6	386.1	SI
3 I	21- 2	-9832.3	-69364.6	-144923.4	-43.8	516.8	SI
3 C	21- 1	-9243.	-26858.3	18176.9	-12.3	-39.4	SI
3 S	21- 2	-8791.	14777.8	178686.9	-40.5	662.8	SI
4 I	21- 1	-2084.9	4261.6	-117570.7	-25.7	795.	SI
4 C	21- 1	-1594.9	3154.1	-4197.4	-2.1	-7.4	SI
4 S	21- 2	-1113.2	2231.7	110423.8	-23.4	836.5	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	23- 1	-34429.2	247813.3	52711.9	-62.3	60.5	SI
1 C	23- 1	-34306.7	184174.5	99282.3	-59.7	26.3	SI
1 S	23- 1	-34184.2	120535.8	145852.7	-57.4	-2	SI
2 I	23- 1	-22231.9	-76358.4	-204566.7	-54.3	250.4	SI
2 C	23- 1	-21711.3	11477.9	-708.7	-17.7	-226.1	SI
2 S	23- 1	-21190.7	99314.3	203149.2	-58.1	340.8	SI
3 I	23- 1	-9400.2	-71606.2	-129909.1	-40.9	458.7	SI
3 C	23- 1	-8879.5	-27044.3	16388.3	-11.8	-37.6	SI
3 S	23- 1	-8358.9	17517.7	162685.7	-37.7	584.8	SI
4 I	23- 1	-2020.	3641.1	-107741.2	-23.5	715.3	SI
4 C	23- 1	-1530.	2840.1	-3602.7	-1.9	-8.	SI
4 S	23- 1	-1040.	2039.2	100535.8	-21.3	758.6	SI

MESSAGGI

- 3) Armatura longitudinale insufficiente [7.4.6.2.2].
 10) Passo staffe insufficiente [4.1.6.1.2].
 11) Passo staffe insufficiente [7.4.6.2.2].

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P019 (ID=50)
 Aste : 215; 24; 252; 56
 Metodo di verifica : stati limite - NTC18 ($q=1.5$; $\mu_{phi}=2.4$) ->
 Duttilita' : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capito 7 attivi.
 Unita' di misura : cm; daN/cm; daN/cm²; deform. %; 1/r ‰ (permille)
 Unita' particolari : fessure [wk]:mm - ferri:mm e cm² - sezioni:cm e derivate.
 Copriferri (assi) : longitudinali= 3.5 ; staffe= 2.5
 Imperfezioni : M minimo = N * e0 ; M aggiunto = N * ei
 Instabilita' : rigidezza nominale [EC2 5.8.7]; $\eta_{ief}=3$

MATERIALI

CLS : C20/25; $R_{ck}=250$; $f_{ck}=207.5$; $f_{ctk}=15.86$; $f_{ctm}=22.65$; $E_{cm}=302005$;
 $g_c=1.5$; $f_{cd}=117.6$; $f_{bd}=23.79$; $f_{ctd}=10.57$; $E_c=0.2\%$; $E_{cu}=0.35\%$
 ACCIAIO: FeB32 (1972); $f_{tk}=3200$; $f_{yk}=3200$; $E_s=2000000$; $g_s=1.15$; $f_{yd}=2782.6$;
 $f_{td}=2782.6$; $f_{ud}=2782.6$; $E_{yd}=0.1391\%$; $E_{ud}=3.99996\%$

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.

CLS : σ_c (rara)=124.5; σ_c (quasi permanente)=93.4; f_{bd} (esercizio)=23.79
 ACCIAIO: σ_f (rara)=2560; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (sismico)	2
3	SLU VENTOY	SLU (sismico)	2
6	SLU con SISMAL PRINC	SLU (sismico)	64
7	SLU con SISMAL PRINC	SLU (sismico)	64

12	SLU GER SISMAY PRINC	SLU (sismico)	64
13	SLU GER SISMAY PRINC	SLU (sismico)	64
17	Rara	RARA	1
18	Rara VentoX	RARA	2
19	Rara VentoY	RARA	2
20	Frequente	FREQUENTE	1
21	Frequente VentoX	FREQUENTE	2
22	Frequente VentoY	FREQUENTE	2
23	Quasi Perm	QUASI PERMAN.	1

<-

SEZIONI UTILIZZATE

1) Rettangolare: base=35; alt.=35; AclS=1225; iy=10.1; iz=10.1

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2.	2.	.27	.27	80.	56.	0.	0.	8.04	.657	4φ16
2	1	2.	2.	.57	.57	170.	146.	45.	45.	8.04	.657	4φ16
3	1	2.	2.	.57	.57	170.	146.	45.	45.	8.04	.657	4φ16
4	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657	4φ16

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (inclusi imperfezioni e second'ordine):

Asta	Caso	NEd	MEyd	MEzd	E cIs	σc	E acc	σf	VE		
> 1	2- 1	-41833.	95639.	8.13	-95639.	2.38	-.05	-51.2	-.011	-222.	SI
1	2- 2	-41043.	21373.	1.01	-437399.	1.01	-.089	-81.2	.026	521.8	SI
1	2- 2	-40884.	93456.	3.37	-876019.	1.02	-.744	-275.3	1.571	2782.6	NO
> 2	2- 1	-40506.	107965.	1.99	422144.	1.1	-.1	-88.1	.036	719.2	SI
2	2- 1	-40168.	131534.	1.04	345510.	1.04	-.088	-80.8	.023	465.6	SI
2	2- 1	-39829.	230194.	1.16	316150.	1.12	-.1	-88.	.035	695.4	SI
> 3	2- 1	-34043.	-176397.	1.16	306959.	1.1	-.087	-79.8	.033	653.	SI
3	2- 1	-33705.	-22530.	1.03	190529.	1.03	-.046	-47.8	-.004	-80.8	SI
3	2- 1	-33366.	130941.	1.21	113527.	1.25	-.049	-50.6	-.001	-18.5	SI
> 4	2- 2	-11291.	-92206.	1.22	-340154.	1.09	-.083	-77.1	.106	2121.2	SI
4	2- 1	-11006.	6208.	1.04	-110005.	1.04	-.02	-22.5	.005	93.	SI
4	2- 2	-9938.	97423.	1.19	115425.	1.16	-.036	-38.8	.025	492.2	SI

INSTABILITA' - RIGIDEZZA NOMINALE Y [EC2 5.8.7]:

Asta	Caso	NB	Io	Jn	JcIs/Jn	McaI	M0Ed	MEd	nu
1 S	2- 2	-4898603.	80.	10518.1	11.8892	27763.	92670.	93456.	.286
2 I	2- 1	-1093692.	170.	10604.2	11.7927	54226.	103966.	107965.	.281
3 I	2- 1	-1090974.	170.	10577.9	11.822	-151602.	-170893.	-176397.	.236
4 I	2- 2	-271538.7	340.	10531.1	11.8745	-75575.	-88372.	-92206.	.078

INSTABILITA' - RIGIDEZZA NOMINALE Z [EC2 5.8.7]:

Asta	Caso	NB	Io	Jn	JcIs/Jn	McaI	M0Ed	MEd	nu
1 S	2- 2	-4898603.	80.	10518.1	11.8892	-857748.	-868651.	-876019.	.286
2 I	2- 1	-1093692.	170.	10604.2	11.7927	383556.	406509.	422144.	.281
3 I	2- 1	-1090974.	170.	10577.9	11.822	278090.	297381.	306959.	.236
4 I	2- 2	-271538.7	340.	10531.1	11.8745	-313212.	-326009.	-340154.	.078

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	2- 2	-10600.7	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 C	2- 2	-10600.7	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 S	2- 2	-10600.7	5576.2	5576.2	25144.8	.57	20.	2.5	NO
2 I	6-46	-678.	5576.2	5576.2	23840.3	.57	20.	2.5	NO
2 C	6-46	-678.	5576.2	5576.2	23804.	.57	20.	2.5	NO
2 S	6-46	-678.	5576.2	5576.2	23767.6	.57	20.	2.5	NO
3 I	2- 1	-1100.1	5576.2	5576.2	24870.2	.57	20.	2.5	NO
3 C	2- 1	-1100.1	5576.2	5576.2	24822.9	.57	20.	2.5	NO
3 S	2- 1	-1100.1	5576.2	5576.2	24775.7	.57	20.	2.5	NO
4 I	2- 2	1213.5	5576.2	5576.2	21692.8	.57	20.	2.5	NO
4 C	2- 2	1213.5	5576.2	5576.2	21598.3	.57	20.	2.5	NO
4 S	2- 2	1213.5	5576.2	5576.2	21503.7	.57	20.	2.5	NO

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	2- 1	-383.	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 C	2- 1	-383.	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 S	2- 1	-383.	5576.2	5576.2	25144.8	.57	20.	2.5	NO
2 I	2- 2	-918.9	5576.2	5576.2	25144.8	.57	20.	2.5	NO
2 C	2- 2	-918.9	5576.2	5576.2	25144.8	.57	20.	2.5	NO
2 S	2- 2	-918.9	5576.2	5576.2	25144.8	.57	20.	2.5	NO
3 I	3- 2	-1530.4	5576.2	5576.2	24817.5	.57	20.	2.5	NO
3 C	3- 2	-1530.4	5576.2	5576.2	24770.3	.57	20.	2.5	NO
3 S	3- 2	-1530.4	5576.2	5576.2	24723.	.57	20.	2.5	NO
4 I	3- 1	-478.2	5576.2	5576.2	21719.8	.57	20.	2.5	NO
4 C	3- 1	-478.2	5576.2	5576.2	21625.3	.57	20.	2.5	NO
4 S	3- 1	-478.2	5576.2	5576.2	21530.8	.57	20.	2.5	NO

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	18- 1	-29846.6	8419.	-27832.1	-26.6	-283.	SI
1 C	18- 2	-29303.4	15361.7	-306484.4	-64.9	275.2	SI
1 S	18- 2	-29180.9	20398.3	-605434.8	-130.7	2211.7	NO
2 I	18- 1	-28972.1	38566.3	273909.1	-62.4	213.2	SI
2 C	18- 1	-28711.8	89396.7	234935.2	-63.2	209.7	SI
2 S	18- 1	-28451.5	140227.	195961.3	-64.6	230.7	SI

3 I	18- 1	-24340.4	-107622.5	193008.2	-57.7	236.7	SI
3 C	18- 1	-24080.1	-15916.8	124720.2	-34.7	-69.3	SI
3 S	18- 1	-23819.8	75788.8	56432.2	-33.5	-78.4	SI
4 I	18- 2	-8382.3	-52725.8	-211963.5	-57.4	1100.3	SI
4 C	18- 1	-8122.7	4696.8	-71082.7	-15.6	30.6	SI
4 S	18- 2	-7341.1	58554.8	67596.5	-24.3	188.9	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	21- 1	-27541.4	7354.2	-18020.5	-23.6	-272.6	SI
1 C	21- 2	-27334.8	13801.3	-261688.3	-56.	167.9	SI
1 S	21- 2	-27212.3	19867.1	-509415.7	-109.8	1642.2	SI
2 I	21- 1	-26821.2	29900.8	221593.9	-51.4	92.1	SI
2 C	21- 1	-26560.9	74325.9	194074.8	-53.3	116.7	SI
2 S	21- 1	-26300.5	118751.	166555.7	-55.5	152.1	SI
3 I	21- 1	-22827.5	-89970.1	161435.3	-48.9	143.1	SI
3 C	21- 1	-22567.1	-10239.7	115004.8	-31.8	-74.3	SI
3 S	21- 1	-22306.8	69490.8	68574.4	-33.1	-53.1	SI
4 I	21- 2	-8302.4	-47542.1	-174255.3	-47.3	781.7	SI
4 C	21- 1	-7833.9	3045.9	-70640.7	-15.2	32.8	SI
4 S	21- 2	-7261.1	52921.1	32533.6	-16.4	58.6	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	23- 1	-26820.7	7039.1	-15475.5	-22.7	-268.6	SI
1 C	23- 1	-26698.2	13273.5	-248462.7	-53.4	140.6	SI
1 S	23- 1	-26575.7	19507.8	-481449.9	-103.7	1484.6	NO
2 I	23- 1	-26147.8	27532.5	206099.	-48.3	62.6	SI
2 C	23- 1	-25887.5	69841.7	182281.9	-50.5	93.2	SI
2 S	23- 1	-25627.2	112150.8	158464.9	-53.	131.7	SI
3 I	23- 1	-22361.	-84429.9	152847.6	-46.5	119.4	SI
3 C	23- 1	-22100.7	-8516.2	112788.9	-31.	-74.7	SI
3 S	23- 1	-21840.4	67397.5	72730.2	-33.	-44.9	SI
4 I	23- 1	-8279.4	-46087.4	-165261.6	-44.9	707.3	SI
4 C	23- 1	-7758.8	2596.	-70332.6	-15.	32.9	SI
4 S	23- 1	-7238.2	51279.4	24596.4	-14.9	37.1	SI

MESSAGGI

- 1) Verifica presso-flessionale a SLU non soddisfatta [4.1.2.3.4.2].
 3) Armatura longitudinale insufficiente [7.4.6.2.2].
 7) Verifica a taglio non soddisfatta [4.1.2.3.5.2].
 10) Passo staffe insufficiente [4.1.6.1.2].
 11) Passo staffe insufficiente [7.4.6.2.2].
 14) Tensione in esercizio eccessiva [4.1.2.2.5].

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P020 (ID=51)
 Aste : 205; 14; 46
 Metodo di verifica : stati limite - NTC18 (q=1.5 ; μ_{phi} =2.4) ->
 Duttilita' : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capito 7 attivi.
 Unita' di misura : cm; daN; daN/cm; daNcm; daN/cm2; deform. %; 1/r $\hat{=}$ (permille)
 Unita' particolari : fessure [wk]:mm - ferri:mm e cm2 - sezioni:cm e derivate.
 Copriferrì (assi) : longitudinali= 3.5 ; staffe= 2.5
 Imperfezioni : M minimo = N * e0 ; M aggiunto = N * ei
 Instabilita' : rigidezza nominale [EC2 5.8.7]; η_{ief} =3

MATERIALI

CLS : C20/25; Rck=250; fck=207.5; fctk=15.86; fctm=22.65; Ecm=302005;
 gc=1.5; fcd=117.6; fbd=23.79; fctd=10.57; Ec2=0.2%; Ecu=0.35%
 ACCIAIO: FeB32 (1972); ftk=3200; fyk=3200; Es=2000000; gs=1.15; fyd=2782.6;
 ftd=2782.6; fud=2782.6; Eyd=0.1391%; Eud=3.99996%

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.

CLS : σ_c (rara)=124.5; σ_c (quasi permanente)=93.4; fbd(esercizio)=23.79
 ACCIAIO: σ_f (rara)=2560; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (sismico)	2
3	SLU VENTOY	SLU (sismico)	2
6	SLU con SISMAY PRINC	SLU (sismico)	64
7	SLU con SISMAY PRINC	SLU (sismico)	64
12	SLU GER SISMAY PRINC	SLU (sismico)	64
13	SLU GER SISMAY PRINC	SLU (sismico)	64
17	Rara	RARA	1
18	Rara VentoX	RARA	2
19	Rara VentoY	RARA	2
20	Frequente	FREQUENTE	1
21	Frequente VentoX	FREQUENTE	2
22	Frequente VentoY	FREQUENTE	2

23|Quasi Perm |QUASI PERMAN. | 1|

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SEZIONI UTILIZZATE

1) Rettangolare: base=35; alt.=35; AcIs=1225; iy=10.1; iz=10.1

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2.	2.	.27	.27	80.	56.	0.	0.	8.04	.657	4φ16
2	1	2.	2.	.1.13	.1.13	340.	316.	53.	53.	8.04	.657	4φ16
3	1	2.	2.	.1.13	.1.13	340.	316.	53.	53.	8.04	.657	4φ16

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (inclusi imperfezioni e second'ordine):

Asta	Caso	NEd	MEyd	MEzd	E cIs	σc	E acc	σf	VE		
> 1	2- 1	-47083.	107755.	2.85	-107755.	2.06	-.057	-57.2	-.012	-249.1	SI
1	2- 1	-46923.	53403.	1.01	176733.	1.01	-.058	-58.6	-.011	-222.5	SI
1	2- 1	-46764.	107026.	1.58	418884.	1.04	-.101	-88.9	.025	491.6	SI
> 2	2- 1	-29158.	-139087.	1.52	223248.	1.34	-.063	-62.7	.018	351.7	SI
2	2- 1	-28481.	47832.	1.12	53955.	1.12	-.03	-32.3	-.01	-199.8	SI
2	2- 1	-27804.	233035.	1.32	-113622.	1.62	-.061	-60.4	.017	345.4	SI
> 3	2- 1	-9336.	-72717.	1.22	219802.	1.09	-.054	-54.9	.06	1202.9	SI
3	2- 2	-8646.	-31857.	1.04	9529.	1.04	-.01	-11.1	-.002	-43.1	SI
3	2- 1	-7983.	25905.	2.71	-204813.	1.09	-.042	-43.8	.051	1019.3	SI

INSTABILITA' - RIGIDEZZA NOMINALE Y [EC2 5.8.7]:

Asta	Caso	NB	Io	Jn	JcIs/Jn	McaI	M0Ed	MEd	nu
1 S	2- 1	-4903857.	80.	10529.4	11.8765	67949.	105999.	107026.	.327
2 I	2- 1	-275295.2	340.	10676.8	11.7125	-91310.	-124355.	-139087.	.202
3 I	2- 1	-271127.6	340.	10515.2	11.8925	-59632.	-70213.	-72717.	.065

INSTABILITA' - RIGIDEZZA NOMINALE Z [EC2 5.8.7]:

Asta	Caso	NB	Io	Jn	JcIs/Jn	McaI	M0Ed	MEd	nu
1 S	2- 1	-4903857.	80.	10529.4	11.8765	402392.	414862.	418884.	.327
2 I	2- 1	-275295.2	340.	10676.8	11.7125	166557.	199603.	223248.	.202
3 I	2- 1	-271127.6	340.	10515.2	11.8925	201652.	212233.	219802.	.065

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	2- 1	5683.9	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 C	2- 1	5683.9	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 S	2- 1	5683.9	5576.2	5576.2	25144.8	.57	20.	2.5	NO
2 I	6-44	-728.	5576.2	5576.2	22787.7	.57	20.	2.5	NO
2 C	6-44	-728.	5576.2	5576.2	22715.	.57	20.	2.5	NO
2 S	6-44	-728.	5576.2	5576.2	22642.3	.57	20.	2.5	NO
3 I	2- 1	-1148.1	5576.2	5576.2	21419.8	.57	20.	2.5	NO
3 C	2- 1	-1148.1	5576.2	5576.2	21325.2	.57	20.	2.5	NO
3 S	2- 1	-1148.1	5576.2	5576.2	21230.7	.57	20.	2.5	NO

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	2- 2	-475.2	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 C	2- 2	-475.2	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 S	2- 2	-475.2	5576.2	5576.2	25144.8	.57	20.	2.5	NO
2 I	2- 1	-788.7	5576.2	5576.2	24187.9	.57	20.	2.5	NO
2 C	2- 1	-788.7	5576.2	5576.2	24093.4	.57	20.	2.5	NO
2 S	2- 1	-788.7	5576.2	5576.2	23998.9	.57	20.	2.5	NO
3 I	2- 2	-232.1	5576.2	5576.2	21417.9	.57	20.	2.5	NO
3 C	2- 2	-232.1	5576.2	5576.2	21323.4	.57	20.	2.5	NO
3 S	2- 2	-232.1	5576.2	5576.2	21228.9	.57	20.	2.5	NO

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	18- 1	-33670.6	26790.4	-36442.6	-32.7	-287.3	SI
1 C	18- 1	-33548.1	37547.6	122049.8	-44.1	-148.4	SI
1 S	18- 1	-33425.6	48304.7	280542.1	-66.3	146.9	SI
2 I	18- 1	-21011.8	-64507.9	113415.3	-37.1	23.3	SI
2 C	18- 1	-20491.2	30332.9	33399.3	-22.9	-138.8	SI
2 S	18- 1	-19970.6	125173.7	-46616.7	-35.7	27.8	SI
3 I	18- 1	-6929.1	-41870.3	138013.7	-38.2	601.8	SI
3 C	18- 2	-6399.6	-21495.9	6072.3	-8.1	-32.4	SI
3 S	18- 1	-5887.9	6511.4	-129511.	-28.5	511.2	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	21- 1	-30994.5	22656.5	-25312.8	-28.9	-279.1	SI
1 C	21- 1	-30872.	32242.3	89163.6	-37.5	-172.9	SI
1 S	21- 1	-30749.5	41828.1	203639.9	-52.5	11.7	SI
2 I	21- 1	-19631.8	-49646.5	71974.	-29.1	-46.6	SI
2 C	21- 1	-19111.1	25511.1	18017.8	-19.5	-152.2	SI
2 S	21- 1	-18590.5	100668.7	-35938.4	-30.2	-12.7	SI
3 I	21- 1	-7043.5	-33215.6	82288.2	-22.6	181.3	SI
3 C	21- 2	-6521.1	-14984.	5024.9	-7.3	-44.6	SI
3 S	21- 1	-6002.3	4774.1	-72966.8	-15.6	105.8	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	23- 1	-30144.8	21455.4	-22374.8	-27.8	-275.5	SI
1 C	23- 1	-30022.3	30822.1	80182.5	-35.6	-178.2	SI

1	S	23- 1	-29899.8	40188.8	182739.7	-49.	-15.	SI
2	I	23- 1	-19190.1	-45520.5	61507.1	-27.1	-62.4	SI
2	C	23- 1	-18669.5	24019.2	14051.1	-18.5	-155.	SI
2	S	23- 1	-18148.9	93558.8	-33404.9	-28.7	-22.	SI
3	I	23- 1	-7082.7	-30655.1	68458.3	-19.1	108.8	SI
3	C	23- 1	-6562.1	-13175.7	4718.5	-7.	-48.	SI
3	S	23- 1	-6041.5	4303.7	-59021.2	-12.8	43.5	SI

MESSAGGI

3) Armatura longitudinale insufficiente [7.4.6.2.2].
 7) Verifica a taglio non soddisfatta [4.1.2.3.5.2].
 10) Passo staffe insufficiente [4.1.6.1.2].
 11) Passo staffe insufficiente [7.4.6.2.2].

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P021 (ID=52)
 Aste : 206; 15; 47
 Metodo di verifica : stati limite - NTC18 (q=1.5 ; muphi=2.4) ->
 Duttilita' : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capito 7 attivi.
 Unita' di misura : cm; daN; daN/cm; daNcm; daN/cm2; deform.%; 1/r â€°(permille)
 Unita' particolari : fessure [wk]:mm - ferri:mm e cm2 - sezioni:cm e derivate.
 Copriferri (assi) : longitudinali= 3.5 ; staffe= 2.5
 Imperfezioni : M minimo = N * e0 ; M aggiunto = N * ei
 Instabilita' : rigidezza nominale [EC2 5.8.7]; fief=3

MATERIALI

CLS : C20/25; Rck=250; fck=207.5; fctk=15.86; fctm=22.65; Ecm=302005;
 gc=1.5; fcd=117.6; fbd=23.79; fctd=10.57; Ec2=0.2%; Ecu=0.35%
 ACCIAIO: FeB32 (1972); ftk=3200; fyk=3200; Es=2000000; gs=1.15; fyd=2782.6;
 ftd=2782.6; fud=2782.6; Eyd=0.1391%; Eud=3.99996%

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.

CLS : σ (rara)=124.5; σ (quasi permanente)=93.4; fbd(esercizio)=23.79
 ACCIAIO: σ (rara)=2560; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (sismico)	2
3	SLU VENTOY	SLU (sismico)	2
6	SLU con SISMAY PRINC	SLU (sismico)	64
7	SLU con SISMAY PRINC	SLU (sismico)	64
12	SLU GER SISMAY PRINC	SLU (sismico)	64
13	SLU GER SISMAY PRINC	SLU (sismico)	64
17	Rara	RARA	1
18	Rara VentoX	RARA	2
19	Rara VentoY	RARA	2
20	Frequente	FREQUENTE	1
21	Frequente VentoX	FREQUENTE	2
22	Frequente VentoY	FREQUENTE	2
23	Quasi Perm	QUASI PERMAN.	1

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SEZIONI UTILIZZATE

1) Rettangolare: base=35; alt.=35; Acls=1225; iy=10.1; iz=10.1

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2.	2.	.27	.27	80.	56.	0.	0.	8.04	.657	4φ16
2	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657	4φ16
3	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657	4φ16

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (inclusi imperfezioni e second'ordine):

Asta	Caso	NEd	MEyd	MEzd	E cIs	σ c	E acc	σ f	VE
> 1	2- 2	-46362.	-207683.	1.07	-538762.	1.03	-149.	-109.8	.075
1	2- 2	-46203.	-152995.	1.01	-127260.	1.01	-064.	-62.9	-.006
1	2- 2	-46043.	-123184.	1.12	284157.	1.06	-.08	-75.2	.007
> 2	6-19	-18885.	83727.	1.48	-177851.	1.23	-.044	-46.3	.016
2	2- 1	-28931.	-1421.	1.12	44704.	1.12	-.024	-26.5	-.015
2	6-19	-17844.	-81372.	1.47	190418.	1.21	-.046	-48.2	.021
> 3	2- 2	-11971.	87335.	1.25	-153429.	1.15	-.041	-43.6	.027
3	2- 2	-11294.	20719.	1.05	-18415.	1.05	-.011	-12.8	-.004
3	6-20	-6343.	-43311.	1.24	110105.	1.1	-.027	-29.4	.023

INSTABILITA' - RIGIDEZZA NOMINALE Y [EC2 5.8.7]:

Asta	Caso	NB	10	Jn	JcIs/Jn	McaI	M0Ed	MEd	nu
1	I	2- 2	-4903213.	80.	10528.	11.878	-193356.	-205719.	-207683.
2	S	6-19	-273135.4	340.	10593.1	11.8051	-55522.	-75746.	-81372.

3 I | 2- 2 | -271681.5 | 340. | 10536.7 | 11.8683 | 69920. | 83487. | 87335. | .083 |

INSTABILITA' - RIGIDEZZA NOMINALE Z [EC2 5.8.7]:

Asta	Caso	NB	10	Jn	Jc1s/Jn	Mca1	MOEd	MEd	nu
1 I	2- 2	-4903213.	80.	10528.	11.878	-521305.	-533668.	-538762.	.322
2 S	6-19	-273135.4	340.	10593.1	11.8051	157029.	177252.	190418.	.131
3 I	2- 2	-271681.5	340.	10536.7	11.8683	-133102.	-146669.	-153429.	.083

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	2- 2	9881.2	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 C	2- 2	9881.2	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 S	2- 2	9881.2	5576.2	5576.2	25144.8	.57	20.	2.5	NO
2 I	6-21	902.4	5576.2	5576.2	22738.7	.57	20.	2.5	NO
2 C	6-21	902.4	5576.2	5576.2	22666.	.57	20.	2.5	NO
2 S	6-21	902.4	5576.2	5576.2	22593.3	.57	20.	2.5	NO
3 I	2- 2	679.4	5576.2	5576.2	21787.6	.57	20.	2.5	NO
3 C	2- 2	679.4	5576.2	5576.2	21693.1	.57	20.	2.5	NO
3 S	2- 2	679.4	5576.2	5576.2	21598.6	.57	20.	2.5	NO

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	2- 1	-1092.	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 C	2- 1	-1092.	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 S	2- 1	-1092.	5576.2	5576.2	25144.8	.57	20.	2.5	NO
2 I	6-19	329.1	5576.2	5576.2	22753.3	.57	20.	2.5	NO
2 C	6-19	329.1	5576.2	5576.2	22680.6	.57	20.	2.5	NO
2 S	6-19	329.1	5576.2	5576.2	22607.9	.57	20.	2.5	NO
3 I	2- 1	358.6	5576.2	5576.2	21786.9	.57	20.	2.5	NO
3 C	2- 1	358.6	5576.2	5576.2	21692.4	.57	20.	2.5	NO
3 S	2- 1	358.6	5576.2	5576.2	21597.9	.57	20.	2.5	NO

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	18- 2	-32776.2	-137643.3	-372336.8	-99.6	737.4	SI
1 C	18- 2	-32653.7	-106854.9	-89130.6	-47.7	-86.4	SI
1 S	18- 2	-32531.2	-76066.4	194075.5	-56.8	28.	SI
2 I	18- 2	-21105.3	32957.5	-53680.3	-26.1	-113.	SI
2 C	18- 1	-20529.2	-716.1	27661.7	-18.7	-189.7	SI
2 S	18- 1	-20008.6	-31665.9	99031.2	-30.5	-37.8	SI
3 I	18- 2	-8637.4	48736.1	-95548.4	-28.1	221.4	SI
3 C	18- 2	-8116.8	13144.4	-10204.6	-8.8	-57.7	SI
3 S	18- 2	-7596.2	-22447.3	75139.2	-19.	95.7	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	21- 2	-30224.7	-128810.6	-333943.1	-90.1	639.9	SI
1 C	21- 2	-30102.2	-103399.6	-79619.6	-44.3	-76.3	SI
1 S	21- 2	-29979.7	-77988.5	174704.	-52.9	31.9	SI
2 I	21- 2	-19266.4	31493.7	-44058.6	-23.4	-108.2	SI
2 C	21- 1	-18734.7	-2539.8	20120.	-16.7	-177.7	SI
2 S	21- 1	-18214.	-36028.5	82304.1	-27.7	-35.3	SI
3 I	21- 2	-7577.5	51669.6	-52467.7	-19.8	101.5	SI
3 C	21- 1	-7056.2	14795.1	658.2	-7.1	-57.1	SI
3 S	21- 2	-6536.3	-22880.2	52645.4	-14.6	51.2	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	23- 1	-29446.2	-125906.8	-321966.	-87.1	608.7	SI
1 C	23- 1	-29323.7	-102125.2	-77106.9	-43.2	-73.	SI
1 S	23- 1	-29201.2	-78343.5	167752.3	-51.5	30.9	SI
2 I	23- 1	-18734.	31313.	-40649.9	-22.6	-107.4	SI
2 C	23- 1	-18213.4	-3022.3	18076.1	-16.1	-174.1	SI
2 S	23- 1	-17692.8	-37357.7	76802.2	-26.8	-35.5	SI
3 I	23- 1	-7306.8	52368.9	-40627.7	-17.7	76.7	SI
3 C	23- 1	-6786.2	14689.1	2744.	-7.1	-51.2	SI
3 S	23- 1	-6265.6	-22990.7	46115.7	-13.5	40.	SI

MESSAGGI

- 3) Armatura longitudinale insufficiente [7.4.6.2.2].
 7) Verifica a taglio non soddisfatta [4.1.2.3.5.2].
 10) Passo staffe insufficiente [4.1.6.1.2].
 11) Passo staffe insufficiente [7.4.6.2.2].

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P022 (ID=53)
 Aste : 217; 26; 58
 Metodo di verifica : stati limite - NTC18 (q=1.5 ; muphi=2.4) ->
 Duttilita' : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capito 7 attivi.
 Unita' di misura : cm; daN; daN/cm; daNcm; daN/cm2; deform.%; 1/r â€°(permille)
 Unita' particolari : fessure [wk]:mm - ferri:mm e cm2 - sezioni:cm e derivate.
 Copriferri (assi) : longitudinali= 3.5 ; staffe= 2.5
 Imperfezioni : M minimo = N * e0 ; M aggiunto = N * ei
 Instabilita' : rigidezza nominale [EC2 5.8.7]; fief=3

MATERIALI

CLS : C20/25; Rck=250; fck=207.5; fctk=15.86; fctm=22.65; Ecm=302005;
gc=1.5; fcd=117.6; fbd=23.79; fctd=10.57; Ec2=0.2%; Ecu=0.35%
ACCIAIO: FeB32 (1972); ftk=3200; fyk=3200; Es=2000000; gs=1.15; fyd=2782.6;
ftd=2782.6; fud=2782.6; Eyd=0.1391%; Eud=3.99996%

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.

CLS : σ_c (rara)=124.5; σ_c (quasi permanente)=93.4; fbd(esercizio)=23.79

ACCIAIO: σ_f (rara)=2560; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (sismico)	2
3	SLU VENTOY	SLU (sismico)	2
6	SLU con SISMAY PRINC	SLU (sismico)	64
7	SLU con SISMAY PRINC	SLU (sismico)	64
12	SLU GER SISMAY PRINC	SLU (sismico)	64
13	SLU GER SISMAY PRINC	SLU (sismico)	64
17	Rara	RARA	1
18	Rara VentoX	RARA	2
19	Rara VentoY	RARA	2
20	Frequente	FREQUENTE	1
21	Frequente VentoX	FREQUENTE	2
22	Frequente VentoY	FREQUENTE	2
23	Quasi Perm	QUASI PERMAN.	1

<-

SEZIONI UTILIZZATE

1) Rettangolare: base=35; alt.=35; Acls=1225; iy=10.1; iz=10.1

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2	2	0.27	0.27	80	56	0	0	8.04	.657	4φ16
2	1	2	2	1.13	1.13	340	316	53	53	8.04	.657	4φ16
3	1	2	2	1.13	1.13	340	316	53	53	8.04	.657	4φ16

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (inclusi imperfezioni e second'ordine):

Asta	Caso	NEd	MEyd	MEzd	E cIs	σ_c	E acc	σ_f	VE		
> 1	2- 2	-38002.	-86811.	2.15	-232828.	1.05	-.062	-61.6	.003	63.6	SI
1	2- 2	-37842.	-37858.	1.01	-81766.	1.01	-.039	-40.9	-.015	-294.2	SI
1	2- 2	-37683.	-86083.	2.47	86083.	1.47	-.044	-46.3	-.01	-200.4	SI
> 2	2- 2	-26305.	-91150.	3.54	91150.	4.63	-.037	-39.3	-.002	-35.4	SI
2	2- 1	-25597.	-9735.	1.11	33862.	1.11	-.021	-23.8	-.013	-260.2	SI
2	2- 2	-24951.	-86459.	11.7	-86459.	9.49	-.035	-37.3	-.002	-33.9	SI
> 3	2- 1	-13671.	45102.	6.86	176797.	1.16	-.038	-40.6	.021	424.	SI
3	2- 1	-12994.	2863.	1.05	4121.	1.05	-.009	-10.4	-.008	-154.9	SI
3	2- 1	-12317.	-40636.	35.7	-166940.	1.15	-.036	-38.3	.021	427.9	SI

INSTABILITA' - RIGIDEZZA NOMINALE Y [EC2 5.8.7]:

Asta	Caso	NB	10	Jn	JcIs/Jn	McaI	M0Ed	MEd	nu
1 I	2- 2	-4895743.	80.	10512.	11.8961	-40312.	-86137.	-86811.	.264
2 I	2- 2	-274695.3	340.	10653.6	11.738	-25767.	-82422.	-91150.	.183
3 S	2- 1	-272039.	340.	10550.6	11.8527	-1140.	-38594.	-40636.	.095

INSTABILITA' - RIGIDEZZA NOMINALE Z [EC2 5.8.7]:

Asta	Caso	NB	10	Jn	JcIs/Jn	McaI	M0Ed	MEd	nu
1 I	2- 2	-4895743.	80.	10512.	11.8961	-220887.	-231021.	-232828.	.264
2 I	2- 2	-274695.3	340.	10653.6	11.738	19692.	82422.	91150.	.183
3 S	2- 1	-272039.	340.	10550.6	11.8527	-144591.	-158550.	-166940.	.095

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	2- 2	3493.9	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 C	2- 2	3493.9	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 S	2- 2	3493.9	5576.2	5576.2	25144.8	.57	20.	2.5	NO
2 I	6-42	-550.7	5576.2	5576.2	22222.7	.57	20.	2.5	NO
2 C	6-42	-550.7	5576.2	5576.2	22150.	.57	20.	2.5	NO
2 S	6-42	-550.7	5576.2	5576.2	22077.3	.57	20.	2.5	NO
3 I	2- 1	-873.6	5576.2	5576.2	22025.1	.57	20.	2.5	NO
3 C	2- 1	-873.6	5576.2	5576.2	21930.6	.57	20.	2.5	NO
3 S	2- 1	-873.6	5576.2	5576.2	21836.	.57	20.	2.5	NO

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	6-38	-86.4	5576.2	5576.2	23270.2	.57	20.	2.5	NO
1 C	6-38	-86.4	5576.2	5576.2	23253.1	.57	20.	2.5	NO
1 S	6-38	-86.4	5576.2	5576.2	23236.	.57	20.	2.5	NO
2 I	6-38	-68.7	5576.2	5576.2	22218.9	.57	20.	2.5	NO
2 C	6-38	-68.7	5576.2	5576.2	22146.2	.57	20.	2.5	NO
2 S	6-38	-68.7	5576.2	5576.2	22073.5	.57	20.	2.5	NO
3 I	2- 1	22.7	5576.2	5576.2	22025.1	.57	20.	2.5	NO
3 C	2- 1	22.7	5576.2	5576.2	21930.6	.57	20.	2.5	NO
3 S	2- 1	22.7	5576.2	5576.2	21836.	.57	20.	2.5	NO

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	18- 2	-26571.8	-28413.7	-158373.	-42.1	-30.7	SI
1 C	18- 2	-26449.3	-26487.3	-58310.5	-29.9	-175.6	SI
1 S	18- 2	-26326.8	-24560.9	41752.1	-27.6	-200.6	SI
2 I	18- 1	-18406.6	-10702.2	33730.4	-19.	-143.	SI
2 C	18- 1	-17886.	-6429.8	21212.9	-16.7	-161.1	SI
2 S	18- 1	-17365.4	-2157.4	8695.3	-14.3	-179.2	SI
3 I	18- 1	-9554.	4442.6	104025.4	-21.8	105.3	SI
3 C	18- 1	-9033.4	1758.	2718.8	-7.3	-94.9	SI
3 S	18- 1	-8512.8	-926.6	-98587.9	-20.1	113.8	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	21- 2	-23510.2	-24558.1	-141513.	-37.4	-26.	SI
1 C	21- 2	-23387.7	-22966.6	-50662.6	-26.2	-157.2	SI
1 S	21- 2	-23265.2	-21375.1	40187.8	-24.7	-173.	SI
2 I	21- 1	-15812.5	-13520.8	22528.7	-16.1	-125.9	SI
2 C	21- 1	-15291.8	-8317.1	13740.5	-14.1	-140.	SI
2 S	21- 1	-14771.2	-3113.4	4952.2	-12.	-154.1	SI
3 I	21- 1	-7383.9	2892.7	53833.8	-12.4	.2	SI
3 C	21- 1	-6863.3	1309.9	2060.1	-5.5	-72.2	SI
3 S	21- 1	-6342.6	-273.	-49713.6	-10.8	3.8	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	23- 1	-22667.3	-23490.7	-136334.5	-36.	-25.5	SI
1 C	23- 1	-22544.8	-21986.9	-48388.1	-25.2	-152.4	SI
1 S	23- 1	-22422.3	-20483.1	39558.2	-23.9	-165.7	SI
2 I	23- 1	-15124.9	-14151.3	19621.5	-15.3	-121.4	SI
2 C	23- 1	-14604.3	-8751.5	11823.	-13.4	-134.4	SI
2 S	23- 1	-14083.7	-3351.7	4024.4	-11.4	-147.4	SI
3 I	23- 1	-6840.4	2500.4	41111.2	-10.3	-14.5	SI
3 C	23- 1	-6319.8	1195.5	1847.6	-5.1	-66.5	SI
3 S	23- 1	-5799.2	-109.3	-37415.9	-8.8	-11.4	SI

MESSAGGI

3) Armatura longitudinale insufficiente [7.4.6.2.2].

10) Passo staffe insufficiente [4.1.6.1.2].

11) Passo staffe insufficiente [7.4.6.2.2].

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P023 (ID=54)
 Aste : 216; 25; 57
 Metodo di verifica : stati limite - NTC18 (q=1.5 ; μ_{phi} =2.4) ->
 Duttilita' : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capito 7 attivi.
 Unita' di misura : cm; daN; daN/cm; daN/cm²; deform.%; 1/r $\hat{=}$ (permille)
 Unita' particolari : fessure [wk]:mm - ferri:mm e cm² - sezioni:cm e derivate.
 Copriferri (assi) : longitudinale= 3.5 ; staffe= 2.5
 Imperfezioni : M_{minimo} = N * e₀ ; M_{aggiunto} = N * e_i
 Instabilita' : rigidezza nominale [EC2 5.8.7]; η =3

MATERIALI

CLS : C20/25; R_{ck}=250; f_{ck}=207.5; f_{ctk}=15.86; f_{ctm}=22.65; E_{cm}=302005;
 g_c=1.5; f_{cd}=117.6; f_{bd}=23.79; f_{ctd}=10.57; E_c=0.2%; E_{cu}=0.35%
 ACCIAIO: FeB32 (1972); f_{tk}=3200; f_{yk}=3200; E_s=2000000; g_s=1.15; f_{yd}=2782.6;
 f_{td}=2782.6; f_{ud}=2782.6; E_{yd}=0.1391%; E_{ud}=3.99996%

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.

CLS : σ_c (rara)=124.5; σ_c (quasi permanente)=93.4; f_{bd}(esercizio)=23.79ACCIAIO: σ_f (rara)=2560; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (sismico)	2
3	SLU VENTYO	SLU (sismico)	2
6	SLU con SISMAY PRINC	SLU (sismico)	64
7	SLU con SISMAY PRINC	SLU (sismico)	64
12	SLU GER SISMAY PRINC	SLU (sismico)	64
13	SLU GER SISMAY PRINC	SLU (sismico)	64
17	Rara	RARA	1
18	Rara VentoX	RARA	2
19	Rara VentoY	RARA	2
20	Frequente	FREQUENTE	1
21	Frequente VentoX	FREQUENTE	2
22	Frequente VentoY	FREQUENTE	2
23	Quasi Perm	QUASI PERMAN.	1

<-

SEZIONI UTILIZZATE

1) Rettangolare: base=35; alt.=35; Acl=1225; iy=10.1; iz=10.1

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2.	2.	.27	.27	80.	56.	0.	0.	8.04	.657	4φ16
2	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657	4φ16
3	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657	4φ16

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (inclusi imperfezioni e second'ordine):

Asta	Caso	NEd	MEyd	MEzd	E c/s	σc	E acc	σf	VE
> 1	2- 1	-38186.	-87234.	167862.	1.07	-55.	-0.003	-63.8	SI
1	2- 1	-38026.	-35140.	91738.	1.01	-41.8	-0.014	-284.1	SI
1	2- 1	-37867.	-86507.	86507.	3.37	-46.5	-0.01	-201.4	SI
> 2	2- 1	-26470.	-91783.	117612.	1.54	-42.3	.001	11.3	SI
2	2- 1	-25793.	-16233.	36013.	1.11	-24.9	-0.012	-248.2	SI
2	2- 1	-25116.	-87089.	87089.	7.78	-37.6	-0.002	-33.9	SI
> 3	2- 1	-13799.	45549.	201702.	1.15	-45.4	.029	579.	SI
3	2- 1	-13123.	2033.	5344.	1.05	-10.5	-0.008	-156.	SI
3	2- 1	-12446.	41081.	210773.	1.13	-46.7	.036	727.2	SI

INSTABILITA' - RIGIDEZZA NOMINALE Y [EC2 5.8.7]:

Asta	Caso	NB	10	Jn	Jc/s/Jn	Mca1	M0Ed	MEd	nu
1 I	2- 1	-4895907.	80.	10512.3	11.8957	-36525.	-86554.	-87234.	.265
2 I	2- 1	-274730.1	340.	10654.9	11.7366	-22615.	-82939.	-91783.	.184
3 S	2- 1	-272066.	340.	10551.6	11.8515	100.	38997.	41081.	.096

INSTABILITA' - RIGIDEZZA NOMINALE Z [EC2 5.8.7]:

Asta	Caso	NB	10	Jn	Jc/s/Jn	Mca1	M0Ed	MEd	nu
1 I	2- 1	-4895907.	80.	10512.3	11.8957	156370.	166553.	167862.	.265
2 I	2- 1	-274730.1	340.	10654.9	11.7366	76281.	106280.	117612.	.184
3 S	2- 1	-272066.	340.	10551.6	11.8515	-185977.	-200082.	-210773.	.096

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	2- 1	-1633.7	5576.2	5576.2	25144.8	.57	20.	2.5	NO 11
1 C	2- 1	-1633.7	5576.2	5576.2	25144.8	.57	20.	2.5	NO 10
1 S	2- 1	-1633.7	5576.2	5576.2	25144.8	.57	20.	2.5	NO 11
2 I	6-42	-656.	5576.2	5576.2	22240.8	.57	20.	2.5	NO 11
2 C	6-42	-656.	5576.2	5576.2	22168.1	.57	20.	2.5	NO 10
2 S	6-42	-656.	5576.2	5576.2	22095.4	.57	20.	2.5	NO 11
3 I	2- 1	-1064.1	5576.2	5576.2	22043.	.57	20.	2.5	NO 11
3 C	2- 1	-1064.1	5576.2	5576.2	21948.5	.57	20.	2.5	NO 10
3 S	2- 1	-1064.1	5576.2	5576.2	21854.	.57	20.	2.5	NO 11

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	6-24	-81.	5576.2	5576.2	23283.6	.57	20.	2.5	NO 11
1 C	6-24	-81.	5576.2	5576.2	23266.5	.57	20.	2.5	NO 10
1 S	6-24	-81.	5576.2	5576.2	23249.4	.57	20.	2.5	NO 11
2 I	2- 2	-93.	5576.2	5576.2	23795.	.57	20.	2.5	NO 11
2 C	2- 2	-93.	5576.2	5576.2	23700.5	.57	20.	2.5	NO 10
2 S	2- 2	-93.	5576.2	5576.2	23606.	.57	20.	2.5	NO 11
3 I	2- 2	-38.6	5576.2	5576.2	22033.1	.57	20.	2.5	NO 11
3 C	2- 2	-38.6	5576.2	5576.2	21938.5	.57	20.	2.5	NO 10
3 S	2- 2	-38.6	5576.2	5576.2	21844.	.57	20.	2.5	NO 11

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	18- 1	-26694.9	-26225.9	112099.	-36.4	-101.9	SI
1 C	18- 1	-26572.4	-25056.7	64568.7	-30.5	-170.1	SI
1 S	18- 2	-26359.	-36397.1	9512.9	-25.2	-270.1	SI
2 I	18- 1	-18537.1	-16510.2	53132.4	-22.1	-108.5	SI
2 C	18- 1	-18016.5	-10663.	22351.4	-17.4	-154.9	SI
2 S	18- 2	-17412.2	-8148.6	17934.7	-16.1	-158.	SI
3 I	18- 1	-9637.3	2313.1	121813.2	-25.1	182.2	SI
3 C	18- 1	-9116.7	1163.9	3311.3	-7.3	-95.8	SI
3 S	18- 1	-8596.1	14.7	-128435.8	-26.2	274.5	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	21- 1	-23590.2	-29352.5	103451.	-33.4	-75.	SI
1 C	21- 1	-23467.7	-28148.8	57474.8	-27.7	-141.	SI
1 S	21- 2	-23327.	-29446.9	9993.5	-22.1	-205.3	SI
2 I	21- 1	-15877.9	-20409.3	41575.	-19.2	-89.6	SI
2 C	21- 1	-15357.3	-13150.6	13756.2	-14.7	-133.8	SI
2 S	21- 2	-14819.9	-6558.5	15963.7	-13.8	-134.	SI
3 I	21- 1	-7412.6	-90.8	74542.3	-15.3	51.1	SI
3 C	21- 1	-6891.9	756.5	3367.5	-5.6	-71.4	SI
3 S	21- 1	-6371.3	1603.7	-81277.3	-16.7	124.6	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	23- 1	-22735.9	-29992.3	100580.	-32.5	-68.6	SI
1 C	23- 1	-22613.4	-28785.2	55310.5	-26.9	-133.6	SI
1 S	23- 1	-22490.9	-27578.2	10040.9	-21.3	-198.5	SI
2 I	23- 1	-15173.5	-21269.6	38455.	-18.4	-84.9	SI

2 C	23- 1	-14652.9	-13705.4	11525.8	-14.	-128.3	SI
2 S	23- 1	-14132.3	-6141.2	-15403.3	-13.1	-127.7	SI
3 I	23- 1	-6854.6	-675.4	62388.9	-13.1	26.9	SI
3 C	23- 1	-6334.	656.7	-3304.3	-5.2	-65.4	SI
3 S	23- 1	-5813.3	1988.8	-68997.5	-14.3	88.4	SI

MESSAGGI

3) Armatura longitudinale insufficiente [7.4.6.2.2].

10) Passo staffe insufficiente [4.1.6.1.2].

11) Passo staffe insufficiente [7.4.6.2.2].

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P024 (ID=55)
 Aste : 207; 16; 48
 Metodo di verifica : stati limite - NTC18 (q=1.5 ; muphi=2.4) ->
 Duttilita' : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capito 7 attivi.
 Unita' di misura : cm; daN; daN/cm; daNcm; daN/cm2; deform. %; 1/r â€°(permille)
 Unita' particolari : fessure [wk]:mm - ferri:mm e cm2 - sezioni:cm e derivate.
 Copriferrì (assi) : longitudinali= 3.5 ; staffe= 2.5
 Imperfezioni : M minimo = N * e0 ; M aggiunto = N * ei
 Instabilita' : rigidezza nominale [EC2 5.8.7]; fief=3

MATERIALI

CLS : C20/25; Rck=250; fck=207.5; fctk=15.86; fctm=22.65; Ecm=302005;
 gc=1.5; fcd=117.6; fbd=23.79; fctd=10.57; Ec2=0.2%; Ecu=0.35%
 ACCIAIO: FeB32 (1972); ftk=3200; fyk=3200; Es=2000000; gs=1.15; fyd=2782.6;
 ftd=2782.6; fud=2782.6; Eyd=0.1391%; Eud=3.99996%

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.

CLS : σ_c (rara)=124.5; σ_c (quasi permanente)=93.4; fbd(esercizio)=23.79ACCIAIO: σ_f (rara)=2560; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (sismico)	2
3	SLU VENTOY	SLU (sismico)	2
6	SLU con SISMAY PRINC	SLU (sismico)	64
7	SLU con SISMAY PRINC	SLU (sismico)	64
12	SLU GER SISMAY PRINC	SLU (sismico)	64
13	SLU GER SISMAY PRINC	SLU (sismico)	64
17	Rara	RARA	1
18	Rara VentoX	RARA	2
19	Rara VentoY	RARA	2
20	Frequente	FREQUENTE	1
21	Frequente VentoX	FREQUENTE	2
22	Frequente VentoY	FREQUENTE	2
23	Quasi Perm	QUASI PERMAN.	1

<-

SEZIONI UTILIZZATE

1) Rettangolare: base=35; alt.=35; Acls=1225; iy=10.1; iz=10.1

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2.	2.	.27	.27	80.	56.	0.	0.	8.04	.657	4φ16
2	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657	4φ16
3	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657	4φ16

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (inclusi imperfezioni e second'ordine):

Asta	Caso	NEd	MEyd	MEzd	E cIs	σ_c	E acc	σ_f	VE		
> 1	2- 1	-50137.	-250725.	1.07	478435.	1.04	-.143	-108.	.058	1157.4	SI
1	2- 1	-49978.	-190227.	1.01	102621.	1.01	-.068	-66.6	-.008	-150.1	SI
1	2- 2	-49869.	-181143.	1.09	-304614.	1.06	-.094	-84.8	.013	258.5	SI
> 2	6-44	-20279.	68630.	3.03	289435.	1.18	-.064	-63.4	.041	828.	SI
2	2- 2	-31094.	-34455.	1.13	-17453.	1.13	-.026	-28.7	-.016	-320.	SI
2	6-41	-19242.	-79938.	1.53	-261393.	1.19	-.061	-60.4	.037	747.2	SI
> 3	2- 1	-12644.	67210.	1.35	422944.	1.09	-.094	-84.5	.13	2594.5	SI
3	2- 1	-11967.	26668.	1.05	20523.	1.05	-.012	-14.2	-.004	-76.	SI
3	2- 1	-11290.	37101.	33.7	-380289.	1.09	-.078	-73.9	.112	2235.4	SI

INSTABILITA' - RIGIDEZZA NOMINALE Y [EC2 5.8.7]:

Asta	Caso	NB	Io	Jn	Jcls/Jn	Mcal	M0Ed	MEd	nu
1 I	2- 1	-4906587.	80.	10535.3	11.8699	-234793.	-248163.	-250725.	.348
2 I	6-44	-273428.3	340.	10604.4	11.7924	22662.	63540.	68630.	.141
3 I	2- 1	-271823.	340.	10542.2	11.8621	49754.	64084.	67210.	.088

INSTABILITA' - RIGIDEZZA NOMINALE Z [EC2 5.8.7]:

Asta	Caso	NB	l0	Jn	Jcls/Jn	Mcal	M0Ed	MEd	nu
1 I	2- 1	-4906587.	80.	10535.3	11.8699	460176.	473546.	478435.	.348
2 I	6-44	-273428.3	340.	10604.4	11.7924	244986.	267969.	289435.	.141
3 I	2- 1	-271823.	340.	10542.2	11.8621	388942.	403271.	422944.	.088

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	2- 2	-9015.7	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 C	2- 2	-9015.7	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 S	2- 2	-9015.7	5576.2	5576.2	25144.8	.57	20.	2.5	NO
2 I	2- 1	-1433.7	5576.2	5576.2	24568.5	.57	20.	2.5	NO
2 C	2- 1	-1433.7	5576.2	5576.2	24474.	.57	20.	2.5	NO
2 S	2- 1	-1433.7	5576.2	5576.2	24379.5	.57	20.	2.5	NO
3 I	2- 1	-2172.8	5576.2	5576.2	21881.6	.57	20.	2.5	NO
3 C	2- 1	-2172.8	5576.2	5576.2	21787.1	.57	20.	2.5	NO
3 S	2- 1	-2172.8	5576.2	5576.2	21692.6	.57	20.	2.5	NO

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	2- 1	-1162.7	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 C	2- 1	-1162.7	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 S	2- 1	-1162.7	5576.2	5576.2	25144.8	.57	20.	2.5	NO
2 I	6-41	239.	5576.2	5576.2	22948.5	.57	20.	2.5	NO
2 C	6-41	239.	5576.2	5576.2	22875.8	.57	20.	2.5	NO
2 S	6-41	239.	5576.2	5576.2	22803.1	.57	20.	2.5	NO
3 I	6-42	145.2	5576.2	5576.2	21223.9	.57	20.	2.5	NO
3 C	6-42	145.2	5576.2	5576.2	21151.2	.57	20.	2.5	NO
3 S	6-42	145.2	5576.2	5576.2	21078.5	.57	20.	2.5	NO

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	18- 1	-35448.7	-166686.7	329508.7	-95.1	532.3	SI
1 C	18- 1	-35326.2	-132834.2	71563.7	-50.7	-104.4	SI
1 S	18- 2	-35237.4	-115126.9	-207160.2	-65.5	81.9	SI
2 I	18- 1	-22671.9	10621.7	180375.8	-40.3	35.4	SI
2 C	18- 2	-22076.4	-21112.7	-10085.6	-20.2	-203.	SI
2 S	18- 2	-21555.7	-30948.9	-175849.1	-41.9	81.1	SI
3 I	18- 1	-9140.6	33509.1	277850.8	-67.1	1503.7	SI
3 C	18- 1	-8619.9	16966.4	10982.2	-9.8	-56.8	SI
3 S	18- 1	-8099.3	423.8	-255886.3	-53.8	1315.8	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	21- 1	-32737.3	-155771.9	310318.4	-89.4	519.7	SI
1 C	21- 1	-32614.8	-129242.7	66147.9	-47.6	-86.8	SI
1 S	21- 2	-32499.	-105942.4	-182178.4	-59.2	58.7	SI
2 I	21- 1	-20776.7	5582.6	155404.7	-35.	4.4	SI
2 C	21- 2	-20241.1	-17457.8	-1232.1	-17.4	-200.3	SI
2 S	21- 2	-19720.5	-36118.6	-152929.4	-38.2	69.6	SI
3 I	21- 1	-8129.2	29286.3	227272.9	-55.1	1168.9	SI
3 C	21- 2	-7607.5	17490.7	-2965.9	-8.1	-56.1	SI
3 S	21- 1	-7087.9	5106.6	-231896.1	-50.	1233.8	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	23- 1	-31909.6	-152254.4	303349.5	-87.4	511.2	SI
1 C	23- 1	-31787.1	-127841.7	64772.1	-46.7	-81.5	SI
1 S	23- 1	-31664.6	-103428.9	-173805.4	-57.2	50.9	SI
2 I	23- 1	-20227.6	4610.5	147435.1	-33.4	-4.6	SI
2 C	23- 1	-19707.	-16479.3	1073.7	-16.8	-195.9	SI
2 S	23- 1	-19186.4	-37569.	-145287.7	-37.	64.2	SI
3 I	23- 1	-7875.	28356.8	212768.1	-51.8	1070.6	SI
3 C	23- 1	-7354.4	17224.5	-5874.1	-8.2	-49.5	SI
3 S	23- 1	-6833.8	6092.3	-224516.3	-48.7	1201.3	SI

MESSAGGI

- 3) Armatura longitudinale insufficiente [7.4.6.2.2].
 7) Verifica a taglio non soddisfatta [4.1.2.3.5.2].
 10) Passo staffe insufficiente [4.1.6.1.2].
 11) Passo staffe insufficiente [7.4.6.2.2].

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P025 (ID=56)
 Aste : 218; 27; 59
 Metodo di verifica : stati limite - NTC18 (q=1.5 ; muphi=2.4) ->
 Duttilita' : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capito 7 attivi.
 Unita' di misura : cm; daN; daN/cm; daNcm; daN/cm2; deform. %; 1/r â€°(permille)
 Unita' particolari : fessure [wk]:mm - ferri:mm e cm2 - sezioni:cm e derivate.
 Copriferrì (assi) : longitudinali= 3.5 ; staffe= 2.5
 Imperfezioni : M minimo = N * e0 ; M aggiunto = N * ei
 Instabilita' : rigidezza nominale [EC2 5.8.7]; fief=3

MATERIALI

CLS : C20/25; Rck=250; fck=207.5; fctk=15.86; fctm=22.65; Ecm=302005;
gc=1.5; fcd=117.6; fbd=23.79; fctd=10.57; Ec2=0.2%; Ecu=0.35%
ACCIAIO: FeB32 (1972); ftk=3200; fyk=3200; Es=2000000; gs=1.15; fyd=2782.6;
ftd=2782.6; fud=2782.6; Eyd=0.1391%; Eud=3.99996%

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.

CLS : σ (rara)=124.5; σ (quasi permanente)=93.4; fbd(esercizio)=23.79ACCIAIO: σ (rara)=2560; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (sismico)	2
3	SLU VENTYO	SLU (sismico)	2
6	SLU con SISMAY PRINC	SLU (sismico)	64
7	SLU con SISMAY PRINC	SLU (sismico)	64
12	SLU GER SISMAY PRINC	SLU (sismico)	64
13	SLU GER SISMAY PRINC	SLU (sismico)	64
17	Rara	RARA	1
18	Rara VentoX	RARA	2
19	Rara VentoY	RARA	2
20	Frequente	FREQUENTE	1
21	Frequente VentoX	FREQUENTE	2
22	Frequente VentoY	FREQUENTE	2
23	Quasi Perm	QUASI PERMAN.	1

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SEZIONI UTILIZZATE

1) Rettangolare: base=35; alt.=35; Acl=1225; iy=10.1; iz=10.1

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2.	2.	.27	.27	80.	56.	0.	0.	8.04	.657	4φ16
2	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657	4φ16
3	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657	4φ16

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (inclusi imperfezioni e second'ordine):

Asta	Caso	NEd	MEyd	MEzd	E c/s	σ c	E acc	σ f	VE		
> 1	2- 2	-51962.	119041.	4.37	-119041.	20.	-.063	-62.8	-.014	-273.9	SI
1	2- 1	-51797.	23683.	1.01	141216.	1.01	-.055	-55.5	-.02	-405.8	SI
1	2- 1	-51638.	118298.	7.5	345497.	1.05	-.093	-83.8	.009	176.1	SI
> 2	2- 1	-32387.	114970.	7.48	205199.	1.42	-.058	-58.5	.008	158.4	SI
2	2- 1	-31710.	2653.	1.13	83690.	1.13	-.03	-33.	-.013	-269.7	SI
2	2- 1	-31033.	-110165.	10.3	110165.	33.1	-.045	-46.6	-.002	-30.9	SI
> 3	2- 1	-11727.	38404.	16.2	113777.	1.19	-.025	-27.9	.008	165.7	SI
3	2- 1	-11051.	2374.	1.05	-5370.	1.05	-.008	-9.	-.006	-128.4	SI
3	2- 1	-10374.	33971.	15.7	-122914.	1.16	-.026	-29.	.013	252.5	SI

INSTABILITA' - RIGIDEZZA NOMINALE Y [EC2 5.8.7]:

Asta	Caso	NB	10	Jn	Jc/s/Jn	Mca1	M0Ed	MEd	nu
1 S	2- 1	-4908212.	80.	10538.8	11.8659	15780.	117046.	118298.	.361
2 I	2- 1	-275974.1	340.	10703.2	11.6837	15375.	101478.	114970.	.225
3 S	2- 1	-271630.3	340.	10534.7	11.8705	2168.	32504.	33971.	.081

INSTABILITA' - RIGIDEZZA NOMINALE Z [EC2 5.8.7]:

Asta	Caso	NB	10	Jn	Jc/s/Jn	Mca1	M0Ed	MEd	nu
1 S	2- 1	-4908212.	80.	10538.8	11.8659	328070.	341840.	345497.	.361
2 I	2- 1	-275974.1	340.	10703.2	11.6837	144414.	181118.	205199.	.225
3 S	2- 1	-271630.3	340.	10534.7	11.8705	-105851.	-117608.	-122914.	.081

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	2- 1	4708.7	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 C	2- 1	4708.7	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 S	2- 1	4708.7	5576.2	5576.2	25144.8	.57	20.	2.5	NO
2 I	6-48	-463.9	5576.2	5576.2	23139.9	.57	20.	2.5	NO
2 C	6-48	-463.9	5576.2	5576.2	23067.2	.57	20.	2.5	NO
2 S	6-48	-463.9	5576.2	5576.2	22994.5	.57	20.	2.5	NO
3 I	2- 1	-592.4	5576.2	5576.2	21753.7	.57	20.	2.5	NO
3 C	2- 1	-592.4	5576.2	5576.2	21659.1	.57	20.	2.5	NO
3 S	2- 1	-592.4	5576.2	5576.2	21564.6	.57	20.	2.5	NO

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	6-49	200.6	5576.2	5576.2	24832.2	.57	20.	2.5	NO
1 C	6-49	200.6	5576.2	5576.2	24815.1	.57	20.	2.5	NO
1 S	6-49	200.6	5576.2	5576.2	24798.	.57	20.	2.5	NO
2 I	6- 9	77.1	5576.2	5576.2	23156.4	.57	20.	2.5	NO
2 C	6- 9	77.1	5576.2	5576.2	23083.7	.57	20.	2.5	NO
2 S	6- 9	77.1	5576.2	5576.2	23011.	.57	20.	2.5	NO
3 I	6-23	-24.4	5576.2	5576.2	21350.7	.57	20.	2.5	NO
3 C	6-23	-24.4	5576.2	5576.2	21278.	.57	20.	2.5	NO
3 S	6-23	-24.4	5576.2	5576.2	21205.3	.57	20.	2.5	NO

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	18- 1	-37175.	22144.5	-33831.	-34.5	-337.	SI
1 C	18- 1	-37052.5	16771.4	96849.2	-41.2	-253.3	SI
1 S	18- 1	-36930.	11398.3	227529.5	-56.	-73.1	SI
2 I	18- 1	-23362.5	10793.2	98924.8	-30.5	-105.4	SI
2 C	18- 1	-22841.9	1721.6	51062.	-23.4	-180.8	SI
2 S	18- 2	-22316.1	-6072.7	22960.6	-20.1	-208.8	SI
3 I	18- 1	-8720.5	1452.1	64866.6	-14.5	-3	SI
3 C	18- 1	-8199.9	1396.	-3524.8	-6.7	-84.9	SI
3 S	18- 1	-7679.2	1339.9	-71916.2	-15.1	37.4	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	21- 1	-34621.6	19148.6	-21123.3	-30.7	-330.8	SI
1 C	21- 1	-34499.1	14604.8	62387.2	-35.	-277.	SI
1 S	21- 1	-34376.6	10060.9	145897.7	-44.3	-162.9	SI
2 I	21- 1	-22118.8	8582.3	53777.8	-24.	-159.	SI
2 C	21- 1	-21598.2	940.	30182.6	-19.8	-197.8	SI
2 S	21- 2	-21076.6	-6446.9	10539.6	-17.8	-212.1	SI
3 I	21- 1	-8799.	1185.5	24260.	-9.6	-62.4	SI
3 C	21- 1	-8278.3	1569.4	-1021.8	-6.5	-89.1	SI
3 S	21- 1	-7757.7	1953.3	-26303.6	-9.2	-46.7	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	23- 1	-33787.9	18269.9	-17819.4	-29.6	-327.4	SI
1 C	23- 1	-33665.4	13953.4	53412.1	-33.2	-281.4	SI
1 S	23- 1	-33542.9	9637.	124643.7	-41.	-184.5	SI
2 I	23- 1	-21715.2	7983.8	42093.4	-22.2	-172.	SI
2 C	23- 1	-21194.6	726.8	24804.3	-18.9	-201.2	SI
2 S	23- 1	-20673.9	-6530.2	7515.3	-17.1	-211.8	SI
3 I	23- 1	-8829.4	1136.1	14095.1	-8.4	-77.3	SI
3 C	23- 1	-8308.8	1612.4	-420.4	-6.5	-90.3	SI
3 S	23- 1	-7788.2	2088.7	-14935.8	-7.8	-63.	SI

MESSAGGI

3) Armatura longitudinale insufficiente [7.4.6.2.2].
 10) Passo staffe insufficiente [4.1.6.1.2].
 11) Passo staffe insufficiente [7.4.6.2.2].

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P026 (ID=57)
 Aste : 208; 17; 49
 Metodo di verifica : stati limite - NTC18 (q=1.5 ; μ_{phi} =2.4) ->
 Duttilita' : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capito 7 attivi.
 Unita' di misura : cm; daN; daN/cm; daN/cm²; deform. %; 1/r $\hat{=}$ (permille)
 Unita' particolari : fessure [wk]:mm - ferri:mm e cm² - sezioni:cm e derivate.
 Copriferri (assi) : longitudinali= 3.5 ; staffe= 2.5
 Imperfezioni : M minimo = N * e0 ; M aggiunto = N * ei
 Instabilita' : rigidezza nominale [EC2 5.8.7]; η_{ief} =3

MATERIALI

CLS : C20/25; Rck=250; fck=207.5; fctk=15.86; fctm=22.65; Ecm=302005;
 gc=1.5; fcd=117.6; fbd=23.79; fctd=10.57; Ec2=0.2%; Ecu=0.35%
 ACCIAIO: FeB32 (1972); ftk=3200; fyk=3200; Es=2000000; gs=1.15; fyd=2782.6;
 ftd=2782.6; fud=2782.6; Eyd=0.1391%; Eud=3.99996%

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.

CLS : σ_c (rara)=124.5; σ_c (quasi permanente)=93.4; fbd(esercizio)=23.79
 ACCIAIO: σ_f (rara)=2560; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (sismico)	2
3	SLU VENTOY	SLU (sismico)	2
6	SLU con SISMAY PRINC	SLU (sismico)	64
7	SLU con SISMAY PRINC	SLU (sismico)	64
12	SLU GER SISMAY PRINC	SLU (sismico)	64
13	SLU GER SISMAY PRINC	SLU (sismico)	64
17	Rara	RARA	1
18	Rara VentoX	RARA	2
19	Rara VentoY	RARA	2
20	Frequente	FREQUENTE	1
21	Frequente VentoX	FREQUENTE	2
22	Frequente VentoY	FREQUENTE	2
23	Quasi Perm	QUASI PERMAN.	1

<-

SEZIONI UTILIZZATE

1) Rettangolare: base=35; alt.=35; Acl=1225; iy=10.1; iz=10.1

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2.	2.	.27	.27	80.	56.	0.	0.	8.04	.657	4φ16
2	1	2.	2.	.1.13	.1.13	340.	316.	53.	53.	8.04	.657	4φ16
3	1	2.	2.	.1.13	.1.13	340.	316.	53.	53.	8.04	.657	4φ16

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (inclusi imperfezioni e second'ordine):

Asta	Caso	NEd	MEyd	MEzd	E c/s	σc	E acc	σf	VE
> 1	2- 2	-42249.	96596.	96596.	2.12	-0.05	-51.6	-0.011	-224.2
1	2- 1	-41438.	-6938.	270804.	1.01	-0.06	-59.8	-0.004	-70.1
1	2- 1	-41279.	-94367.	474179.	1.03	-0.109	-93.4	.046	921.8
> 2	2- 2	-25707.	117564.	-476104.	1.18	-0.115	-96.6	.101	2026.8
2	2- 1	-24224.	364.	28803.	1.1	-0.019	-21.1	-0.013	-266.3
2	2- 1	-23547.	-85900.	510693.	1.17	-0.117	-97.3	.119	2371.1
> 3	2- 2	-8145.	70586.	-456690.	1.05	-0.577	-208.3	3.711	2782.6
3	2- 1	-7043.	6865.	32457.	1.03	-0.008	-9.7	-0.001	-26.1
3	2- 2	-6791.	-59839.	493741.	1.05	-0.68	-249.6	4.736	3261.1

INSTABILITA' - RIGIDEZZA NOMINALE Y [EC2 5.8.7]:

Asta	Caso	NB	10	Jn	Jc/s/Jn	Mca1	M0Ed	MEd	nu
1 S	2- 1	-4898956.	80.	10518.9	11.8883	-22461.	-93566.	-94367.	.289
2 S	2- 1	-274400.2	340.	10642.1	11.7507	-51418.	-78105.	-85900.	.173
3 S	2- 2	-270877.1	340.	10505.5	11.9035	-50343.	-58040.	-59839.	.057

INSTABILITA' - RIGIDEZZA NOMINALE Z [EC2 5.8.7]:

Asta	Caso	NB	10	Jn	Jc/s/Jn	Mca1	M0Ed	MEd	nu
1 S	2- 1	-4898956.	80.	10518.9	11.8883	459145.	470153.	474179.	.289
2 S	2- 1	-274400.2	340.	10642.1	11.7507	437662.	464349.	510693.	.173
3 S	2- 2	-270877.1	340.	10505.5	11.9035	471198.	478895.	493741.	.057

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	2- 2	4889.7	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 C	2- 2	4889.7	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 S	2- 2	4889.7	5576.2	5576.2	25144.8	.57	20.	2.5	NO
2 I	2- 1	2420.4	5576.2	5576.2	23593.4	.57	20.	2.5	NO
2 C	2- 1	2420.4	5576.2	5576.2	23498.9	.57	20.	2.5	NO
2 S	2- 1	2420.4	5576.2	5576.2	23404.4	.57	20.	2.5	NO
3 I	2- 2	2661.5	5576.2	5576.2	21253.3	.57	20.	2.5	NO
3 C	2- 2	2661.5	5576.2	5576.2	21158.8	.57	20.	2.5	NO
3 S	2- 2	2661.5	5576.2	5576.2	21064.3	.57	20.	2.5	NO

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	6-33	569.	5576.2	5576.2	23919.7	.57	20.	2.5	NO
1 C	6-33	569.	5576.2	5576.2	23902.6	.57	20.	2.5	NO
1 S	6-33	569.	5576.2	5576.2	23885.5	.57	20.	2.5	NO
2 I	6-17	441.1	5576.2	5576.2	22550.8	.57	20.	2.5	NO
2 C	6-17	441.1	5576.2	5576.2	22478.1	.57	20.	2.5	NO
2 S	6-17	441.1	5576.2	5576.2	22405.4	.57	20.	2.5	NO
3 I	6-18	365.9	5576.2	5576.2	20942.1	.57	20.	2.5	NO
3 C	6-18	365.9	5576.2	5576.2	20869.4	.57	20.	2.5	NO
3 S	6-18	365.9	5576.2	5576.2	20796.7	.57	20.	2.5	NO

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	18- 1	-29555.	4664.6	54255.6	-29.1	-247.3	SI
1 C	18- 1	-29432.5	-4878.3	190002.9	-45.2	-51.6	SI
1 S	18- 1	-29310.	-14421.2	325750.2	-68.4	353.	SI
2 I	18- 2	-18411.5	53620.9	-284266.4	-69.	791.8	SI
2 C	18- 1	-17353.8	565.8	17589.9	-15.1	-168.7	SI
2 S	18- 1	-16833.2	-35593.6	308038.7	-71.5	1029.8	SI
3 I	18- 2	-6057.3	40572.9	-307209.6	-75.8	2119.	SI
3 C	18- 1	-5253.2	4164.5	24985.6	-7.4	-17.3	SI
3 S	18- 2	-5016.	-35209.7	340119.7	-81.1	2502.3	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	21- 1	-28272.4	10622.3	45207.9	-27.8	-237.4	SI
1 C	21- 1	-28149.9	-2067.	170216.3	-41.5	-69.8	SI
1 S	21- 1	-28027.4	-14756.3	295224.6	-62.4	271.5	SI
2 I	21- 2	-17444.8	43586.8	-249326.9	-59.2	597.3	SI
2 C	21- 1	-16816.7	1036.9	9659.7	-13.8	-173.3	SI
2 S	21- 1	-16296.1	-38133.9	266364.8	-62.6	775.6	SI
3 I	21- 2	-5891.7	32159.2	-254232.2	-62.2	1649.1	SI
3 C	21- 1	-5314.3	3730.3	24012.7	-7.3	-20.	SI
3 S	21- 2	-4850.4	-25291.7	298845.3	-69.6	2125.8	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	23- 1	-27830.6	12207.5	42712.3	-27.3	-233.7	SI
1 C	23- 1	-27708.1	-1377.4	163910.1	-40.4	-74.8	SI
1 S	23- 1	-27585.6	-14962.3	285108.	-60.5	246.8	SI
2 I	23- 1	-17141.2	40931.5	-238108.2	-56.2	538.5	SI
2 C	23- 1	-16620.5	1120.5	7564.3	-13.5	-174.	SI
2 S	23- 1	-16099.9	-38690.5	253236.9	-59.7	700.1	SI
3 I	23- 1	-5846.2	29997.6	-239064.4	-58.4	1515.8	SI

3 C	23- 1	-5325.5	3631.	24134.2	-7.3	-20.1	SI
3 S	23- 1	-4804.9	-22735.7	287332.8	-66.5	2021.8	SI

MESSAGGI

- 1) Verifica presso-flessionale a SLU non soddisfatta [4.1.2.3.4.2].
 3) Armatura longitudinale insufficiente [7.4.6.2.2].
 10) Passo staffe insufficiente [4.1.6.1.2].
 11) Passo staffe insufficiente [7.4.6.2.2].

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P027 (ID=58)
 Aste : 214; 23; 55
 Metodo di verifica : stati limite - NTC18 (q=1.5 ; muphi=2.4) ->
 Duttilita' : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capito 7 attivi.
 Unita' di misura : cm; daN; daN/cm; daNcm; daN/cm2; deform.%; 1/r â€°(permille)
 Unita' particolari : fessure [wk];mm - ferri:mm e cm2 - sezioni:cm e derivate.
 Copriferri (assi) : longitudinali= 3.5 ; staffe= 2.5
 Imperfezioni : M minimo = N * e0 ; M aggiunto = N * ei
 Instabilita' : rigidezza nominale [EC2 5.8.7]; fief=3

MATERIALI

CLS : C20/25; Rck=250; fck=207.5; fctk=15.86; fctm=22.65; Ecm=302005;
 gc=1.5; fcd=117.6; fbd=23.79; fctd=10.57; Ec2=0.2%; Ecu=0.35%
 ACCIAIO: FeB32 (1972); ftk=3200; fyk=3200; Es=2000000; gs=1.15; fyd=2782.6;
 ftd=2782.6; fud=2782.6; Eyd=0.1391%; Eud=3.99996%

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.
 CLS : σ_c (rara)=124.5; σ_c (quasi permanente)=93.4; fbd(esercizio)=23.79
 ACCIAIO: σ_f (rara)=2560; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (sismico)	2
3	SLU VENTOY	SLU (sismico)	2
6	SLU con SISMAX PRINC	SLU (sismico)	64
7	SLU con SISMAX PRINC	SLU (sismico)	64
12	SLU GER SISMAX PRINC	SLU (sismico)	64
13	SLU GER SISMAX PRINC	SLU (sismico)	64
17	Rara	RARA	1
18	Rara Ventox	RARA	2
19	Rara VentoY	RARA	2
20	Frequente	FREQUENTE	1
21	Frequente Ventox	FREQUENTE	2
22	Frequente VentoY	FREQUENTE	2
23	Quasi Perm	QUASI PERMAN.	1

<-

SEZIONI UTILIZZATE

- 1) Rettangolare: base=35; alt.=35; Acls=1225; iy=10.1; iz=10.1

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	leiz	leiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2.	2.	1.27	1.27	80.	56.	0.	0.	8.04	.657	4φ16
2	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657	4φ16
3	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657	4φ16

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (inclusi imperfezioni e second'ordine):

Asta	Caso	NEd	MEyd	MEzd	E cls	σ_c	E acc	σ_f	VE		
> 1	2- 1	-31741.	401114.	1.03	-72417.	1.96	-.088	-80.7	.044	888.1	SI
1	2- 1	-31582.	257359.	1.01	-173109.	1.01	-.076	-72.3	.026	518.7	SI
1	2- 2	-30729.	125621.	1.08	-335097.	1.03	-.083	-77.4	.037	738.4	SI
> 2	6-44	-13740.	52236.	1.54	213324.	1.14	-.047	-48.7	.034	688.1	SI
2	2- 1	-21019.	106242.	1.09	53091.	1.09	-.031	-33.2	0.	-5.5	SI
2	2- 2	-19586.	207850.	1.22	-165178.	1.27	-.065	-64.	.038	762.3	SI
> 3	2- 1	-8534.	-259653.	1.07	257613.	1.07	-.105	-91.	.137	2731.1	SI
3	2- 2	-7438.	-57249.	1.03	-56308.	1.03	-.018	-20.6	.008	150.6	SI
3	2- 1	-7181.	148067.	1.09	-341791.	1.06	-.1	-88.4	.151	2782.6	NO

INSTABILITA' - RIGIDEZZA NOMINALE Y [EC2 5.8.7]:

Asta	Caso	NB	Jn	Jcls/Jn	Mca1	M0Ed	MEd	nu	
1 I	2- 1	-4890148.	80.	10500.	11.9098	390047.	398511.	401114.	.22
2 S	2- 2	-273567.2	340.	10609.8	11.7864	169744.	191941.	207850.	.145
3 S	2- 1	-270958.9	340.	10508.7	11.8999	135265.	143403.	148067.	.059

INSTABILITA' - RIGIDEZZA NOMINALE Z [EC2 5.8.7]:

Asta	Caso	NB	Jn	Jcls/Jn	Mca1	M0Ed	MEd	nu	
1 I	2- 1	-4890148.	80.	10500.	11.9098	-37009.	-71947.	-72417.	.22

2 S	2- 2	-273567.2	340.	10609.8	11.7864	-130338.	-152535.	-165178.	.145
3 S	2- 1	-270958.9	340.	10508.7	11.8999	-322888.	-331025.	-341791.	.059

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	2- 2	-4261.9	5576.2	5576.2	24451.8	.57	20.	2.5	NO
1 C	2- 2	-4261.9	5576.2	5576.2	24429.5	.57	20.	2.5	NO
1 S	2- 2	-4261.9	5576.2	5576.2	24407.3	.57	20.	2.5	NO
2 I	6-36	-898.8	5576.2	5576.2	22034.1	.57	20.	2.5	NO
2 C	6-36	-898.8	5576.2	5576.2	21961.4	.57	20.	2.5	NO
2 S	6-36	-898.8	5576.2	5576.2	21888.7	.57	20.	2.5	NO
3 I	2- 1	-1655.	5576.2	5576.2	21307.7	.57	20.	2.5	NO
3 C	2- 1	-1655.	5576.2	5576.2	21213.2	.57	20.	2.5	NO
3 S	2- 1	-1655.	5576.2	5576.2	21118.7	.57	20.	2.5	NO

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	2- 1	3359.	5576.2	5576.2	24548.7	.57	20.	2.5	NO
1 C	2- 1	3359.	5576.2	5576.2	24526.5	.57	20.	2.5	NO
1 S	2- 1	3359.	5576.2	5576.2	24504.2	.57	20.	2.5	NO
2 I	6-22	-531.3	5576.2	5576.2	21953.1	.57	20.	2.5	NO
2 C	6-22	-531.3	5576.2	5576.2	21880.4	.57	20.	2.5	NO
2 S	6-22	-531.3	5576.2	5576.2	21807.7	.57	20.	2.5	NO
3 I	2- 1	-1109.	5576.2	5576.2	21307.7	.57	20.	2.5	NO
3 C	2- 1	-1109.	5576.2	5576.2	21213.2	.57	20.	2.5	NO
3 S	2- 1	-1109.	5576.2	5576.2	21118.7	.57	20.	2.5	NO

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	18- 1	-22270.4	273090.6	-26111.5	-59.8	423.8	SI
1 C	18- 1	-22147.9	178841.2	-120317.7	-57.	285.8	SI
1 S	18- 2	-21562.6	81457.4	-226400.2	-59.7	372.3	SI
2 I	18- 1	-15311.3	16493.6	123819.6	-28.8	44.8	SI
2 C	18- 1	-14790.6	68101.3	33467.5	-23.1	-20.8	SI
2 S	18- 2	-13765.5	115704.6	-89489.	-39.1	238.2	SI
3 I	18- 1	-6107.8	-169386.5	165792.4	-78.	1602.6	SI
3 C	18- 2	-5307.6	-36424.	-37187.8	-14.	73.1	SI
3 S	18- 1	-5066.5	99558.8	-222713.1	-74.1	1761.5	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	21- 1	-20564.7	246156.4	-23610.3	-53.9	359.6	SI
1 C	21- 1	-20442.2	160639.2	-113153.4	-52.1	255.6	SI
1 S	21- 2	-20227.2	74495.	-205071.7	-54.1	313.	SI
2 I	21- 1	-13870.5	623.9	112865.7	-24.3	17.8	SI
2 C	21- 1	-13349.9	60826.1	22255.3	-19.9	-31.1	SI
2 S	21- 2	-12728.3	120227.5	-74876.1	-37.4	244.6	SI
3 I	21- 1	-5104.	-160637.7	120171.3	-65.1	1360.6	SI
3 C	21- 2	-4527.4	-33451.9	-21691.9	-10.6	41.3	SI
3 S	21- 1	-4062.7	94338.	-160064.2	-59.1	1332.6	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	23- 1	-20080.9	239118.	-23246.3	-52.4	345.3	SI
1 C	23- 1	-19958.4	155821.3	-110902.2	-50.8	247.6	SI
1 S	23- 1	-19835.9	72524.7	-198558.1	-52.5	295.1	SI
2 I	23- 1	-13478.	-3620.2	109405.1	-23.9	21.6	SI
2 C	23- 1	-12957.4	58728.2	19454.6	-19.	-33.7	SI
2 S	23- 1	-12436.8	121076.6	-70496.	-36.8	245.	SI
3 I	23- 1	-4850.2	-157936.4	108202.8	-61.6	1298.7	SI
3 C	23- 1	-4329.6	-32669.6	-17999.9	-9.8	34.6	SI
3 S	23- 1	-3809.	92597.2	-144202.6	-55.2	1224.8	SI

MESSAGGI

- 1) Verifica presso-flessionale a SLU non soddisfatta [4.1.2.3.4.2].
 3) Armatura longitudinale insufficiente [7.4.6.2.2].
 10) Passo staffe insufficiente [4.1.6.1.2].
 11) Passo staffe insufficiente [7.4.6.2.2].

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P028 (ID=59)
 Aste : 213; 22; 54
 Metodo di verifica : stati limite - NTC18 (q=1.5 ; μ_{phi} =2.4) ->
 Duttilita' : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capito 7' attivi.
 Unita' di misura : cm; daN; daN/cm; daN/cm²; deform.%; 1/r $\hat{=}$ (permille)
 Unita' particolari : fessure [wk]:mm - ferri:mm e cm² - sezioni:cm e derivate.
 Copriferri (assi) : longitudinali= 3.5 ; staffe= 2.5
 Imperfezioni : M minimo = N * e₀ ; M aggiunto = N * e_i
 Instabilita' : rigidezza nominale [EC2 5.8.7]; η_{ef} =3

MATERIALI

CLS : C20/25; Rck=250; fck=207.5; fctk=15.86; fctm=22.65; Ecm=302005;
 gc=1.5; fcd=117.6; fbd=23.79; fctd=10.57; Ec2=0.2%; Ecu=0.35%

ACCIAIO: FeB32 (1972); ftk=3200; fyk=3200; Es=2000000; gs=1.15; fyd=2782.6; ftd=2782.6; fud=2782.6; Eyd=0.1391%; Eud=3.99996%

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.

CLS : σ_c (rara)=124.5; σ_c (quasi permanente)=93.4; fbd(esercizio)=23.79

ACCIAIO: σ_f (rara)=2560; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (sismico)	2
3	SLU VENTOY	SLU (sismico)	2
6	SLU con SISMAY PRINC	SLU (sismico)	64
7	SLU con SISMAY PRINC	SLU (sismico)	64
12	SLU GER SISMAY PRINC	SLU (sismico)	64
13	SLU GER SISMAY PRINC	SLU (sismico)	64
17	Rara	RARA	1
18	Rara VentoX	RARA	2
19	Rara VentoY	RARA	2
20	Frequente	FREQUENTE	1
21	Frequente VentoX	FREQUENTE	2
22	Frequente VentoY	FREQUENTE	2
23	Quasi Perm	QUASI PERMAN.	1

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SEZIONI UTILIZZATE

1) Rettangolare: base=35; alt.=35; Acls=1225; iy=10.1; iz=10.1

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm		
1	1	2.	2.	.27	.27	80.	56.	0.	0.	8.04	.657	4φ16	3
2	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657	4φ16	3
3	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657	4φ16	3

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (inclusi imperfezioni e second'ordine):

Asta	Caso	NEd	MEyd	MEzd	E c/s	σ_c	E acc	σ_f	VE		
> 1	2- 1	-49115.	112454.	1.39	-135847.	1.12	-.062	-61.8	-.011	-217.6	SI
1	2- 1	-48956.	77240.	1.01	-95706.	1.01	-.053	-54.3	-.018	-350.6	SI
1	2- 2	-48930.	112032.	1.68	-112032.	1.18	-.059	-59.3	-.013	-258.5	SI
> 2	2- 1	-32760.	116469.	1.9	122626.	1.73	-.048	-49.7	-.001	-20.1	SI
2	2- 1	-32083.	46872.	1.13	20806.	1.13	-.029	-31.2	-.015	-306.3	SI
2	2- 2	-31551.	112237.	6.39	-126659.	1.67	-.047	-48.9	0.	-4.	SI
> 3	2- 1	-15574.	-51758.	585.	226176.	1.16	-.049	-50.5	.032	648.5	SI
3	2- 2	-14980.	-2336.	1.06	-11418.	1.06	-.011	-12.6	-.008	-169.7	SI
3	2- 1	-14221.	-47259.	116.	-234739.	1.14	-.05	-51.7	.04	790.9	SI

INSTABILITA' - RIGIDEZZA NOMINALE Y [EC2 5.8.7]:

Asta	Caso	NB	10	Jn	Jc/s/Jn	Mca1	M0Ed	MEd	nu
1 I	2- 1	-4905674.	80.	10533.3	11.8721	80729.	111328.	112454.	.341
2 I	2- 1	-276052.6	340.	10706.2	11.6803	61396.	102648.	116469.	.227
3 S	2- 1	-272439.1	340.	10566.1	11.8352	-406.	-44558.	-47259.	.108

INSTABILITA' - RIGIDEZZA NOMINALE Z [EC2 5.8.7]:

Asta	Caso	NB	10	Jn	Jc/s/Jn	Mca1	M0Ed	MEd	nu
1 I	2- 1	-4905674.	80.	10533.3	11.8721	-121389.	-134486.	-135847.	.341
2 I	2- 1	-276052.6	340.	10706.2	11.6803	70946.	108074.	122626.	.227
3 S	2- 1	-272439.1	340.	10566.1	11.8352	-205203.	-221320.	-234739.	.108

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE	
1 I	6-29	768.7	5576.2	5576.2	24314.8	.57	20.	2.5	NO	11
1 C	6-29	768.7	5576.2	5576.2	24297.7	.57	20.	2.5	NO	10
1 S	6-29	768.7	5576.2	5576.2	24280.6	.57	20.	2.5	NO	11
2 I	6-36	-678.5	5576.2	5576.2	22818.4	.57	20.	2.5	NO	11
2 C	6-36	-678.5	5576.2	5576.2	22745.7	.57	20.	2.5	NO	10
2 S	6-36	-678.5	5576.2	5576.2	22672.9	.57	20.	2.5	NO	11
3 I	2- 1	-1178.8	5576.2	5576.2	22290.9	.57	20.	2.5	NO	11
3 C	2- 1	-1178.8	5576.2	5576.2	22196.4	.57	20.	2.5	NO	10
3 S	2- 1	-1178.8	5576.2	5576.2	22101.8	.57	20.	2.5	NO	11

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE	
1 I	6-11	141.7	5576.2	5576.2	24304.1	.57	20.	2.5	NO	11
1 C	6-11	141.7	5576.2	5576.2	24287.	.57	20.	2.5	NO	10
1 S	6-11	141.7	5576.2	5576.2	24269.9	.57	20.	2.5	NO	11
2 I	3- 1	119.4	5576.2	5576.2	24701.1	.57	20.	2.5	NO	11
2 C	3- 1	119.4	5576.2	5576.2	24606.6	.57	20.	2.5	NO	10
2 S	3- 1	119.4	5576.2	5576.2	24512.1	.57	20.	2.5	NO	11
3 I	6-53	-33.3	5576.2	5576.2	21270.3	.57	20.	2.5	NO	11
3 C	6-53	-33.3	5576.2	5576.2	21197.6	.57	20.	2.5	NO	10
3 S	6-53	-33.3	5576.2	5576.2	21124.8	.57	20.	2.5	NO	11

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	18- 1	-34375.7	56317.2	-85214.4	-42.5	-183.5	SI

1 C	18- 1	-34253.2	53382.1	-66599.9	-39.9	-212.9	SI
1 S	18- 2	-34219.3	46832.1	-65820.8	-39.	-222.9	SI
2 I	18- 1	-22999.8	42926.7	47898.3	-28.	-128.3	SI
2 C	18- 1	-22479.1	28891.6	12437.	-21.7	-193.1	SI
2 S	18- 2	-22055.	12424.8	-50712.5	-24.	-157.2	SI
3 I	18- 1	-10969.1	229.3	134616.4	-27.3	181.4	SI
3 C	18- 2	-10503.4	-1022.1	-7440.5	-8.9	-105.7	SI
3 S	18- 1	-9927.8	333.	-141553.5	-28.9	275.2	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	21- 1	-30905.3	47905.2	-63393.6	-36.3	-187.7	SI
1 C	21- 1	-30782.8	45470.9	-57336.2	-35.2	-198.5	SI
1 S	21- 2	-30678.	42313.5	-54845.8	-34.5	-205.3	SI
2 I	21- 1	-20213.2	35590.2	42380.	-24.4	-115.4	SI
2 C	21- 1	-19692.6	24463.7	4140.2	-18.1	-180.	SI
2 S	21- 2	-19191.2	12850.8	-39637.3	-20.6	-140.3	SI
3 I	21- 1	-8815.4	-1154.7	91604.7	-18.9	73.7	SI
3 C	21- 2	-8305.8	-414.9	-1401.7	-6.4	-90.5	SI
3 S	21- 1	-7774.2	846.2	-92819.4	-18.9	117.1	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	23- 1	-29922.9	45706.4	-57607.9	-34.7	-188.1	SI
1 C	23- 1	-29800.4	43388.7	-54696.	-33.9	-194.2	SI
1 S	23- 1	-29677.9	41071.	-51784.1	-33.2	-200.3	SI
2 I	23- 1	-19459.5	33648.2	40826.9	-23.4	-111.9	SI
2 C	23- 1	-18938.9	23263.8	2093.9	-17.2	-176.2	SI
2 S	23- 1	-18418.3	12879.4	-36639.	-19.7	-135.9	SI
3 I	23- 1	-8278.2	-1537.9	80582.4	-16.8	50.4	SI
3 C	23- 1	-7757.6	-292.9	-9.2	-5.8	-86.6	SI
3 S	23- 1	-7236.9	952.2	-80600.8	-16.5	82.6	SI

MESSAGGI

- 3) Armatura longitudinale insufficiente [7.4.6.2.2].
 10) Passo staffe insufficiente [4.1.6.1.2].
 11) Passo staffe insufficiente [7.4.6.2.2].

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P029 (ID=60)
 Aste : 212; 21; 53
 Metodo di verifica : stati limite - NTC18 ($q=1.5$; $\mu_{phi}=2.4$) ->
 Duttilita' : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capito 7 attivi.
 Unità di misura : cm; daN; daN/cm; daNcm; daN/cm²; deform. %; 1/r ‰ (permille)
 Unità particolari : fessure [wk]:mm - ferri:mm e cm² - sezioni:cm e derivate.
 Copriferrì (assi) : longitudinali= 3.5 ; staffe= 2.5
 Imperfezioni : M minimo = N * e₀ ; M aggiunto = N * e_i
 Instabilità : rigidezza nominale [EC2 5.8.7]; $\eta_{ief}=3$

MATERIALI

CLS : C20/25; $R_{ck}=250$; $f_{ck}=207.5$; $f_{ctk}=15.86$; $f_{ctm}=22.65$; $E_{cm}=302005$;
 $g_c=1.5$; $f_{cd}=117.6$; $f_{bd}=23.79$; $f_{ctd}=10.57$; $E_{c2}=0.2\%$; $E_{cu}=0.35\%$
 ACCIAIO: FeB32 (1972); $f_{tk}=3200$; $f_{yk}=3200$; $E_s=2000000$; $g_s=1.15$; $f_{yd}=2782.6$;
 $f_{td}=2782.6$; $f_{ud}=2782.6$; $E_{yd}=0.1391\%$; $E_{ud}=3.99996\%$

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.

CLS : σ_c (rara)=124.5; σ_c (quasi permanente)=93.4; f_{bd} (esercizio)=23.79
 ACCIAIO: σ_f (rara)=2560; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (sismico)	2
3	SLU VENTOY	SLU (sismico)	2
6	SLU con SISMAY PRINC	SLU (sismico)	64
7	SLU con SISMAY PRINC	SLU (sismico)	64
12	SLU GER SISMAY PRINC	SLU (sismico)	64
13	SLU GER SISMAY PRINC	SLU (sismico)	64
17	Rara	RARA	1
18	Rara VentoX	RARA	2
19	Rara VentoY	RARA	2
20	Frequente	FREQUENTE	1
21	Frequente VentoX	FREQUENTE	2
22	Frequente VentoY	FREQUENTE	2
23	Quasi Perm	QUASI PERMAN.	1

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SEZIONI UTILIZZATE

- 1) Rettangolare: base=35; alt.=35; $A_{cl}s=1225$; $i_y=10.1$; $i_z=10.1$

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2.	2.	.27	.27	80.	56.	0.	0.	8.04	.657	4φ16
2	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657	4φ16
3	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657	4φ16

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (inclusi imperfezioni e second'ordine):

Asta	Caso	NEd	MEyd	MEzd	E c/s	σc	E acc	σf	VE
> 1	2- 2	-34750.	130559.	79330.	2.49	-0.046	-48.1	-0.005	-97.4
1	2- 2	-34591.	99790.	198285.	1.01	-0.057	-57.2	.003	69.8
1	2- 1	-34009.	85404.	394769.	1.03	-0.089	-81.4	.039	779.
> 2	6-29	-14251.	-97295.	-276729.	1.12	-0.069	-67.3	.066	1315.2
2	2- 1	-21438.	11225.	31579.	1.09	-0.018	-20.6	-.01	-206.3
2	2- 1	-20761.	166831.	370284.	1.17	-0.102	-89.6	.091	1813.1
> 3	2- 2	-9327.	-82372.	-405444.	1.06	-0.097	-86.1	.149	2782.6
3	2- 1	-8365.	-12099.	69404.	1.03	-0.014	-15.9	.002	38.
3	2- 2	-7973.	51414.	512664.	1.05	-0.686	-252.	4.752	3271.1

INSTABILITA' - RIGIDEZZA NOMINALE Y [EC2 5.8.7]:

Asta	Caso	NB	10	Jn	Jc/s/Jn	Mca	M0Ed	MEd	nu
1 S	2- 1	-4892459.	80.	10504.9	11.9041	75736.	84805.	85404.	.238
2 S	2- 1	-273814.3	340.	10619.4	11.7758	129828.	153357.	166831.	.154
3 S	2- 2	-271125.5	340.	10515.1	11.8926	40610.	49646.	51414.	.065

INSTABILITA' - RIGIDEZZA NOMINALE Z [EC2 5.8.7]:

Asta	Caso	NB	10	Jn	Jc/s/Jn	Mca	M0Ed	MEd	nu
1 S	2- 1	-4892459.	80.	10504.9	11.9041	382930.	391999.	394769.	.238
2 S	2- 1	-273814.3	340.	10619.4	11.7758	316849.	340378.	370284.	.154
3 S	2- 2	-271125.5	340.	10515.1	11.8926	485992.	495028.	512664.	.065

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	2- 1	5134.9	5576.2	5576.2	24909.9	.57	20.	2.5	NO
1 C	2- 1	5134.9	5576.2	5576.2	24887.6	.57	20.	2.5	NO
1 S	2- 1	5134.9	5576.2	5576.2	24865.4	.57	20.	2.5	NO
2 I	2- 1	1693.1	5576.2	5576.2	23204.3	.57	20.	2.5	NO
2 C	2- 1	1693.1	5576.2	5576.2	23109.8	.57	20.	2.5	NO
2 S	2- 1	1693.1	5576.2	5576.2	23015.2	.57	20.	2.5	NO
3 I	2- 2	2549.8	5576.2	5576.2	21418.4	.57	20.	2.5	NO
3 C	2- 2	2549.8	5576.2	5576.2	21323.9	.57	20.	2.5	NO
3 S	2- 2	2549.8	5576.2	5576.2	21229.3	.57	20.	2.5	NO

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	2- 2	532.1	5576.2	5576.2	24968.9	.57	20.	2.5	NO
1 C	2- 2	532.1	5576.2	5576.2	24946.7	.57	20.	2.5	NO
1 S	2- 2	532.1	5576.2	5576.2	24924.4	.57	20.	2.5	NO
2 I	2- 1	-703.	5576.2	5576.2	23204.3	.57	20.	2.5	NO
2 C	2- 1	-703.	5576.2	5576.2	23109.8	.57	20.	2.5	NO
2 S	2- 1	-703.	5576.2	5576.2	23015.2	.57	20.	2.5	NO
3 I	2- 2	-322.3	5576.2	5576.2	21418.4	.57	20.	2.5	NO
3 C	2- 2	-322.3	5576.2	5576.2	21323.9	.57	20.	2.5	NO
3 S	2- 2	-322.3	5576.2	5576.2	21229.3	.57	20.	2.5	NO

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	18- 2	-24361.7	83840.4	20531.7	-30.6	-124.2	SI
1 C	18- 2	-24239.2	68074.2	135802.9	-42.7	24.8	SI
1 S	18- 1	-23834.9	50932.6	265128.8	-62.3	375.9	SI
2 I	18- 2	-15918.4	-73097.1	-185846.4	-50.7	402.8	SI
2 C	18- 1	-15085.9	6770.1	19564.7	-14.4	-131.6	SI
2 S	18- 1	-14565.3	89534.4	219770.9	-63.3	749.4	SI
3 I	18- 2	-6643.4	-47396.3	-263456.6	-68.3	1702.6	SI
3 C	18- 1	-5932.9	-6903.3	47423.9	-11.2	16.9	SI
3 S	18- 2	-5602.1	30277.5	338897.1	-79.4	2405.2	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	21- 2	-22398.5	71370.3	14084.3	-26.9	-129.2	SI
1 C	21- 2	-22276.	61757.9	125416.3	-39.2	22.5	SI
1 S	21- 1	-22097.2	51870.3	239559.2	-57.2	331.9	SI
2 I	21- 2	-14322.8	-74829.7	-174423.7	-49.2	430.4	SI
2 C	21- 1	-13739.8	5501.6	13764.	-12.6	-126.6	SI
2 S	21- 1	-13219.2	86412.3	200910.8	-58.9	709.5	SI
3 I	21- 2	-5474.	-45329.4	-211457.2	-56.7	1379.2	SI
3 C	21- 1	-4915.4	-7725.7	25240.5	-7.6	-8.	SI
3 S	21- 2	-4432.7	29215.5	258056.7	-62.3	1836.	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	23- 1	-21843.5	68081.1	13026.	-26.	-129.2	SI
1 C	23- 1	-21721.	60159.4	122478.2	-38.2	22.1	SI
1 S	23- 1	-21598.5	52237.8	231930.4	-55.8	318.4	SI
2 I	23- 1	-13891.6	-75069.8	-170393.9	-48.5	432.7	SI
2 C	23- 1	-13371.	5190.5	12181.3	-12.1	-125.1	SI
2 S	23- 1	-12850.3	85450.8	194756.5	-57.5	691.5	SI
3 I	23- 1	-5180.8	-44890.5	-197594.6	-53.7	1291.6	SI
3 C	23- 1	-4660.2	-7980.2	20001.2	-6.8	-12.3	SI
3 S	23- 1	-4139.6	28930.2	237597.	-57.9	1691.7	SI

MESSAGGI

- 1) Verifica presso-flessionale a SLU non soddisfatta [4.1.2.3.4.2].
 3) Armatura longitudinale insufficiente [7.4.6.2.2].
 10) Passo staffe insufficiente [4.1.6.1.2].
 11) Passo staffe insufficiente [7.4.6.2.2].

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P030 (ID=61)
 Aste : 211; 20; 52
 Metodo di verifica : stati limite - NTC18 (q=1.5 ; muphi=2.4) ->
 Duttilita' : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capito 7 attivi.
 Unita' di misura : cm; daN; daN/cm; daNcm; daN/cm2; deform. %; 1/r â€°(permille)
 Unita' particolari : fessure [wk]:mm - ferri:mm e cm2 - sezioni:cm e derivate.
 Copriferrì (assi) : longitudinali= 3.5 ; staffe= 2.5
 Imperfezioni : M minimo = N * e0 ; M aggiunto = N * ei
 Instabilita' : rigidezza nominale [EC2 5.8.7]; fief=3

MATERIALI

CLS : C20/25; Rck=250; fck=207.5; fctk=15.86; fctm=22.65; Ecm=302005;
 gc=1.5; fcd=117.6; fbd=23.79; fctd=10.57; Ec2=0.2%; Ecu=0.35%
 ACCIAIO: FeB32 (1972); ftk=3200; fyk=3200; Es=2000000; gs=1.15; fyd=2782.6;
 ftd=2782.6; fud=2782.6; Eyd=0.1391%; Eud=3.99996%

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.

CLS : σ (rara)=124.5; σ (quasi permanente)=93.4; fbd(esercizio)=23.79

ACCIAIO: σ (rara)=2560; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (sismico)	2
3	SLU VENTOY	SLU (sismico)	2
6	SLU con SISMAX PRINC	SLU (sismico)	64
7	SLU con SISMAX PRINC	SLU (sismico)	64
12	SLU GER SISMAX PRINC	SLU (sismico)	64
13	SLU GER SISMAX PRINC	SLU (sismico)	64
17	Rara	RARA	1
18	Rara VentoX	RARA	2
19	Rara VentoY	RARA	2
20	Frequente	FREQUENTE	1
21	Frequente VentoX	FREQUENTE	2
22	Frequente VentoY	FREQUENTE	2
23	Quasi Perm	QUASI PERMAN.	1

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SEZIONI UTILIZZATE

- 1) Rettangolare: base=35; alt.=35; Acls=1225; iy=10.1; iz=10.1

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2	2	.27	.27	80.	56.	0.	0.	8.04	.657	4φ16
2	1	2	2	1.13	1.13	340.	316.	53.	53.	8.04	.657	4φ16
3	1	2	2	1.13	1.13	340.	316.	53.	53.	8.04	.657	4φ16

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (inclusi imperfezioni e second'ordine):

Asta	Caso	NEd	MEyd	MEzd	E cIs	σ	E acc	σ f	VE		
> 1	2- 1	-36029.	89155.	1.13	-103503.	1.11	-.045	-47.2	-.007	-143.3	SI
1	2- 1	-35869.	67376.	1.01	-184634.	1.01	-.052	-53.2	-.002	-39.3	SI
1	2- 2	-34992.	79891.	2.26	-387519.	1.03	-.087	-79.8	.034	677.7	SI
> 2	2- 1	-23753.	-188707.	1.3	430623.	1.18	-.121	-99.2	.107	2147.6	SI
2	2- 1	-23076.	-7397.	1.09	58405.	1.09	-.022	-24.4	-.009	-189.5	SI
2	2- 2	-21613.	183947.	1.28	-380584.	1.17	-.108	-92.9	.095	1905.9	SI
> 3	2- 1	-9877.	-113851.	1.16	515364.	1.06	-.714	-263.1	4.48	3094.5	NO
3	2- 2	-8754.	-9125.	1.04	-70328.	1.04	-.014	-15.8	.001	26.1	SI
3	2- 2	-8077.	118941.	1.13	-437463.	1.06	-.191	-117.3	.525	2782.6	NO

INSTABILITA' - RIGIDEZZA NOMINALE Y [EC2 5.8.7]:

Asta	Caso	NB	l0	Jn	JcIs/Jn	McaI	M0Ed	MEd	nu
1 S	2- 2	-4893337.	80.	10506.8	11.902	35405.	79314.	79891.	.245
2 I	2- 1	-274158.8	340.	10632.8	11.761	-145437.	-172357.	-188707.	.165
3 I	2- 1	-271241.2	340.	10519.6	11.8875	-98512.	-109705.	-113851.	.069

INSTABILITA' - RIGIDEZZA NOMINALE Z [EC2 5.8.7]:

Asta	Caso	NB	Jn	JcIs/Jn	McaI	M0Ed	MEd	nu	
1 S	2- 2	-4893337.	80.	10506.8	11.902	-375392.	-384723.	-387519.	.245
2 I	2- 1	-274158.8	340.	10632.8	11.761	366394.	393314.	430623.	.165
3 I	2- 1	-271241.2	340.	10519.6	11.8875	485405.	496598.	515364.	.069

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE	
1 I	2- 2	-4779.	5576.2	5576.2	25047.1	.57	20.	2.5	NO	11
1 C	2- 2	-4779.	5576.2	5576.2	25024.9	.57	20.	2.5	NO	10
1 S	2- 2	-4779.	5576.2	5576.2	25002.6	.57	20.	2.5	NO	11
2 I	2- 1	-1841.5	5576.2	5576.2	23433.1	.57	20.	2.5	NO	11
2 C	2- 1	-1841.5	5576.2	5576.2	23338.6	.57	20.	2.5	NO	10
2 S	2- 1	-1841.5	5576.2	5576.2	23244.1	.57	20.	2.5	NO	11
3 I	2- 1	-3144.5	5576.2	5576.2	21495.2	.57	20.	2.5	NO	11
3 C	2- 1	-3144.5	5576.2	5576.2	21400.7	.57	20.	2.5	NO	10
3 S	2- 1	-3144.5	5576.2	5576.2	21306.2	.57	20.	2.5	NO	11

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE	
1 I	2- 1	300.3	5576.2	5576.2	25144.8	.57	20.	2.5	NO	11
1 C	2- 1	300.3	5576.2	5576.2	25125.2	.57	20.	2.5	NO	10
1 S	2- 1	300.3	5576.2	5576.2	25103.	.57	20.	2.5	NO	11
2 I	2- 2	-946.	5576.2	5576.2	23323.3	.57	20.	2.5	NO	11
2 C	2- 2	-946.	5576.2	5576.2	23228.7	.57	20.	2.5	NO	10
2 S	2- 2	-946.	5576.2	5576.2	23134.2	.57	20.	2.5	NO	11
3 I	2- 2	-673.3	5576.2	5576.2	21433.	.57	20.	2.5	NO	11
3 C	2- 2	-673.3	5576.2	5576.2	21338.4	.57	20.	2.5	NO	10
3 S	2- 2	-673.3	5576.2	5576.2	21243.9	.57	20.	2.5	NO	11

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE	
1 I	18- 1	-25257.2	54367.2	-63957.	-33.	-114.3	SI	
1 C	18- 1	-25134.7	45137.9	-127272.6	-39.3	-35.6	SI	
1 S	18- 2	-24533.1	22932.2	-258572.3	-56.3	258.7	SI	
2 I	18- 1	-16738.9	-102052.5	253908.5	-72.9	867.2	SI	
2 C	18- 1	-16218.3	-5464.7	36410.9	-17.1	-122.1	SI	
2 S	18- 2	-15173.3	99195.7	-224075.7	-66.	770.	SI	
3 I	18- 1	-7029.5	-69310.8	335257.5	-89.7	2363.6	SI	
3 C	18- 2	-6211.8	-4953.9	-47785.3	-11.1	9.5	SI	
3 S	18- 1	-5988.2	55487.8	-405874.6	-100.7	3039.	NO	14

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE	
1 I	21- 1	-23132.5	40923.6	-44344.1	-27.4	-137.7	SI	
1 C	21- 1	-23010.	37489.1	-122357.5	-36.2	-29.6	SI	
1 S	21- 2	-22791.7	31459.4	-213967.7	-49.	165.	SI	
2 I	21- 1	-14987.3	-106156.7	215385.3	-65.5	752.8	SI	
2 C	21- 1	-14466.7	-6968.6	11240.5	-13.	-136.2	SI	
2 S	21- 2	-13841.2	93834.	-201502.	-60.2	695.9	SI	
3 I	21- 1	-5787.7	-74049.1	249176.2	-72.7	1785.9	SI	
3 C	21- 2	-5207.7	-6232.6	-25018.7	-7.6	-13.8	SI	
3 S	21- 1	-4746.5	60800.8	-294222.9	-79.	2239.5	SI	

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE	
1 I	23- 1	-22533.4	37487.5	-39881.2	-26.	-142.3	SI	
1 C	23- 1	-22410.9	35649.5	-120801.9	-35.4	-27.7	SI	
1 S	23- 1	-22288.4	33811.5	-201722.5	-47.	143.5	SI	
2 I	23- 1	-14513.7	-106856.4	204412.8	-63.2	717.9	SI	
2 C	23- 1	-13993.1	-7264.2	5003.8	-11.9	-139.4	SI	
2 S	23- 1	-13472.4	92328.	-194405.2	-58.4	669.8	SI	
3 I	23- 1	-5474.7	-75097.4	226667.7	-68.1	1634.	SI	
3 C	23- 1	-4954.1	-6592.1	-19643.3	-6.8	-18.1	SI	
3 S	23- 1	-4433.5	61913.1	-265954.3	-73.3	2036.7	SI	

MESSAGGI

- 1) Verifica presso-flessionale a SLU non soddisfatta [4.1.2.3.4.2].
 3) Armatura longitudinale insufficiente [7.4.6.2.2].
 10) Passo staffe insufficiente [4.1.6.1.2].
 11) Passo staffe insufficiente [7.4.6.2.2].
 14) Tensione in esercizio eccessiva [4.1.2.2.5].

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P031 (ID=62)
 Aste : 210; 19; 51
 Metodo di verifica : stati limite - NTC18 (q=1.5 ; μ_{phi} =2.4) ->
 Duttilita' : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capito 7 attivi.
 Unita' di misura : cm; daN; daN/cm; daNcm; daN/cm²; deform. %; 1/r ‰ (permille)
 Unita' particolari : fessure [wk];mm - ferri:mm e cm2 - sezioni:cm e derivate.
 Copriferr (assi) : longitudinali= 3.5 ; staffe= 2.5
 Imperfezioni : M minimo = N * e₀ ; M aggiunto = N * e_i
 Instabilita' : rigidezza nominale [EC2 5.8.7]; η_{ief} =3

MATERIALI

CLS : C20/25; Rck=250; fck=207.5; fctk=15.86; fctm=22.65; Ecm=302005;
 gc=1.5; fcd=117.6; fbd=23.79; fctd=10.57; Ec2=0.2%; Ecu=0.35%
 ACCIAIO: FeB32 (1972); ftk=3200; fyk=3200; Es=2000000; gs=1.15; fyd=2782.6;

ftd=2782.6; fud=2782.6; Eyd=0.1391%; Eud=3.99996%

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.

CLS : σ (rara)=124.5; σ (quasi permanente)=93.4; fbd(esercizio)=23.79ACCIAIO: σ (rara)=2560; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (sismico)	2
3	SLU VENTOY	SLU (sismico)	2
6	SLU con SISMAY PRINC	SLU (sismico)	64
7	SLU con SISMAY PRINC	SLU (sismico)	64
12	SLU GER SISMAY PRINC	SLU (sismico)	64
13	SLU GER SISMAY PRINC	SLU (sismico)	64
17	Rara	RARA	1
18	Rara VentoX	RARA	2
19	Rara VentoY	RARA	2
20	Frequente	FREQUENTE	1
21	Frequente VentoX	FREQUENTE	2
22	Frequente VentoY	FREQUENTE	2
23	Quasi Perm	QUASI PERMAN.	1

<-

SEZIONI UTILIZZATE

1) Rettangolare: base=35; alt.=35; Acls=1225; iy=10.1; iz=10.1

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2.	2.	.27	.27	80.	56.	0.	0.	8.04	.657	4φ16
2	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657	4φ16
3	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657	4φ16

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (inclusi imperfezioni e second'ordine):

Asta	Caso	NEd	MEyd	MEzd	E cls	σ c	E acc	σ f	VE
> 1	2- 2	-51089.	117019.	431.	147471.	1.11	-.066	-64.7	-.011
1	2- 1	-51124.	4485.	1.01	86761.	1.01	-.045	-47.4	-.026
1	2- 1	-50965.	116740.	26.4	167172.	1.1	-.068	-66.4	-.009
> 2	2- 1	-34338.	-122857.	25.5	145248.	1.65	-.053	-53.7	.001
2	2- 1	-33661.	416.	1.14	59952.	1.14	-.029	-31.5	-.017
2	2- 1	-32985.	118014.	21.3	118014.	7.06	-.048	-49.5	-.001
> 3	2- 2	-16184.	-53911.	8.73	-180772.	1.19	-.04	-42.4	.017
3	2- 2	-15507.	-1729.	1.06	-3200.	1.06	-.01	-12.	-.01
3	2- 2	-14831.	49402.	16.9	172741.	1.19	-.038	-40.3	.018

INSTABILITA' - RIGIDEZZA NOMINALE Y [EC2 5.8.7]:

Asta	Caso	NB	10	Jn	Jcls/Jn	Mcal	M0Ed	MEd	nu
1 S	2- 1	-4907611.	80.	10537.5	11.8674	4417.	115521.	116740.	.356
2 I	2- 1	-276384.5	340.	10719.1	11.6663	-4816.	-107593.	-122857.	.238
3 S	2- 2	-272567.4	340.	10571.	11.8297	2923.	46469.	49402.	.112

INSTABILITA' - RIGIDEZZA NOMINALE Z [EC2 5.8.7]:

Asta	Caso	NB	10	Jn	Jcls/Jn	Mcal	M0Ed	MEd	nu
1 S	2- 1	-4907611.	80.	10537.5	11.8674	151834.	165425.	167172.	.356
2 I	2- 1	-276384.5	340.	10719.1	11.6663	88286.	127202.	145248.	.238
3 S	2- 2	-272567.4	340.	10571.	11.8297	145676.	162484.	172741.	.112

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	2- 1	1649.5	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 C	2- 1	1649.5	5576.2	5576.2	25144.8	.57	20.	2.5	NO
1 S	2- 1	1649.5	5576.2	5576.2	25144.8	.57	20.	2.5	NO
2 I	6-47	-504.6	5576.2	5576.2	22959.4	.57	20.	2.5	NO
2 C	6-47	-504.6	5576.2	5576.2	22886.7	.57	20.	2.5	NO
2 S	6-47	-504.6	5576.2	5576.2	22814.	.57	20.	2.5	NO
3 I	2- 2	874.6	5576.2	5576.2	22376.1	.57	20.	2.5	NO
3 C	2- 2	874.6	5576.2	5576.2	22281.6	.57	20.	2.5	NO
3 S	2- 2	874.6	5576.2	5576.2	22187.	.57	20.	2.5	NO

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	6-40	-117.4	5576.2	5576.2	24476.3	.57	20.	2.5	NO
1 C	6-40	-117.4	5576.2	5576.2	24459.2	.57	20.	2.5	NO
1 S	6-40	-117.4	5576.2	5576.2	24442.1	.57	20.	2.5	NO
2 I	6-40	-75.6	5576.2	5576.2	22958.9	.57	20.	2.5	NO
2 C	6-40	-75.6	5576.2	5576.2	22886.2	.57	20.	2.5	NO
2 S	6-40	-75.6	5576.2	5576.2	22813.5	.57	20.	2.5	NO
3 I	6- 7	-36.6	5576.2	5576.2	21319.1	.57	20.	2.5	NO
3 C	6- 7	-36.6	5576.2	5576.2	21246.4	.57	20.	2.5	NO
3 S	6- 7	-36.6	5576.2	5576.2	21173.7	.57	20.	2.5	NO

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σ c	σ f	VE
1 I	18- 2	-35756.2	-484.4	91210.1	-37.6	-270.1	SI
1 C	18- 1	-35763.6	2390.8	60375.	-34.2	-311.5	SI

1	S	18- 1	-35641.1	2474.	104498.	-39.4	-247.	SI
2	I	18- 1	-24099.	-3882.4	61150.	-25.8	-177.4	SI
2	C	18- 1	-23578.4	-36.9	35728.4	-21.9	-213.4	SI
2	S	18- 2	-22921.6	3427.5	-13023.4	-19.1	-233.6	SI
3	I	18- 2	-11400.4	-4203.7	-100492.2	-21.7	40.8	SI
3	C	18- 2	-10879.7	-878.7	-2109.4	-8.5	-117.7	SI
3	S	18- 2	-10359.1	2446.3	96273.4	-20.3	49.3	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE	
1	I	21- 2	-32159.5	-540.4	56360.8	-30.8	-279.4	SI
1	C	21- 1	-32062.9	538.4	55760.6	-30.7	-279.2	SI
1	S	21- 1	-31940.4	1058.8	70152.1	-32.3	-256.5	SI
2	I	21- 1	-21104.6	-5059.8	29978.4	-19.9	-186.7	SI
2	C	21- 1	-20584.4	-739.1	16250.3	-17.4	-206.6	SI
2	S	21- 1	-20063.4	3581.7	2522.2	-15.7	-216.3	SI
3	I	21- 2	-9175.5	-4212.6	-21749.1	-9.9	-65.8	SI
3	C	21- 2	-8654.8	-885.7	-3631.4	-7.1	-90.6	SI
3	S	21- 1	-8148.8	2400.6	-22589.5	-9.1	-55.7	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE	
1	I	23- 1	-31140.7	-479.7	47376.6	-29.	-280.9	SI
1	C	23- 1	-31018.2	139.9	54294.6	-29.7	-270.1	SI
1	S	23- 1	-30895.7	759.4	61212.7	-30.5	-258.	SI
2	I	23- 1	-20296.2	-5295.2	22040.	-18.4	-188.6	SI
2	C	23- 1	-19775.6	-888.2	11299.5	-16.2	-204.4	SI
2	S	23- 1	-19255.	3518.8	558.9	-14.9	-210.1	SI
3	I	23- 1	-8620.2	-4212.6	-2120.8	-7.2	-87.6	SI
3	C	23- 1	-8099.6	-895.3	-3918.5	-6.6	-84.	SI
3	S	23- 1	-7578.9	2422.1	-5716.3	-6.6	-73.4	SI

MESSAGGI

- 3) Armatura longitudinale insufficiente [7.4.6.2.2].
 10) Passo staffe insufficiente [4.1.6.1.2].
 11) Passo staffe insufficiente [7.4.6.2.2].

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P032 (ID=63)
 Aste : 209; 18; 50
 Metodo di verifica : stati limite - NTC18 ($q=1.5$; $\mu_{phi}=2.4$) ->
 Duttilita' : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capito 7 attivi.
 Unita' di misura : cm; daN; daN/cm; daN/cm²; deform. %; 1/r $\hat{a}^{\circ}$ (permille)
 Unita' particolari : fessure [wk]:mm - ferri:mm e cm² - sezioni:cm e derivate.
 Copriferri (assi) : longitudinali= 3.5 ; staffe= 2.5
 Imperfezioni : M minimo = N * e0 ; M aggiunto = N * ei
 Instabilita' : rigidezza nominale [EC2 5.8.7]; $\eta_{ief}=3$

MATERIALI

CLS : C20/25; $R_{ck}=250$; $f_{ck}=207.5$; $f_{ctk}=15.86$; $f_{ctm}=22.65$; $E_{cm}=302005$;
 $g_c=1.5$; $f_{cd}=117.6$; $f_{bd}=23.79$; $f_{ctd}=10.57$; $E_{c2}=0.2\%$; $E_{cu}=0.35\%$;
 ACCIAIO: FeB32 (1972); $f_{tk}=3200$; $f_{yk}=3200$; $E_s=2000000$; $g_s=1.15$; $f_{yd}=2782.6$;
 $f_{td}=2782.6$; $f_{ud}=2782.6$; $E_{yd}=0.1391\%$; $E_{ud}=3.99996\%$

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.

CLS : σ_c (rara)=124.5; σ_c (quasi permanente)=93.4; f_{bd} (esercizio)=23.79
 ACCIAIO: σ_f (rara)=2560; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (sismico)	2
3	SLU VENTOY	SLU (sismico)	2
6	SLU con SISMAY PRINC	SLU (sismico)	64
7	SLU con SISMAY PRINC	SLU (sismico)	64
12	SLU GER SISMAY PRINC	SLU (sismico)	64
13	SLU GER SISMAY PRINC	SLU (sismico)	64
17	Rara	RARA	1
18	Rara VentoX	RARA	2
19	Rara VentoY	RARA	2
20	Frequente	FREQUENTE	1
21	Frequente VentoX	FREQUENTE	2
22	Frequente VentoY	FREQUENTE	2
23	Quasi Perm	QUASI PERMAN.	1

<-

SEZIONI UTILIZZATE

- 1) Rettangolare: base=35; alt.=35; $A_{cl}s=1225$; $i_y=10.1$; $i_z=10.1$

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm		
1	1	2.	2.	.27	.27	80.	56.	0.	0.	8.04	.657	4φ16	3
2	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657	4φ16	3
3	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657	4φ16	3

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (inclusi imperfezioni e second'ordine):

Asta	Caso	NEd	MEyd	MEzd	E cIs	σc	E acc	σf	VE			
> 1	2- 2	-31601.	72096.	24.	224225.	1.05	-0.55	-55.6	.006	119.6	SI	
1	2- 2	-31442.	72577.	1.01	255805.	1.01	-0.06	-59.6	.011	213.7	SI	
1	2- 1	-30164.	138136.	1.07	407192.	1.03	-0.102	-89.4	.063	1259.2	SI	
> 2	6-24	-12923.	-73934.	1.33	-183967.	1.15	-0.045	-46.9	.031	622.8	SI	
2	2- 1	-18738.	14028.	1.08	65877.	1.08	-0.02	-22.8	-.005	-109.5	SI	
2	2- 1	-18061.	122661.	1.31	260963.	1.18	-0.069	-67.1	.05	996.4	SI	
> 3	2- 2	-8457.	-82111.	1.17	-399233.	1.06	-0.097	-86.1	.155	2782.6	NO	1
3	2- 1	-7141.	-19552.	1.03	48406.	1.03	-0.012	-13.3	.001	24.4	SI	
3	2- 2	-7103.	37986.	1.32	456366.	1.05	-0.597	-216.3	4.193	2908.1	NO	1

INSTABILITA' - RIGIDEZZA NOMINALE Y [EC2 5.8.7]:

Asta	Caso	NB	10	Jn	JcIs/Jn	McaI	M0Ed	MEd	nu
1 S	2- 1	-4889024.	80.	10497.6	11.9125	129231.	137274.	138136.	.212
2 S	2- 1	-273246.7	340.	10597.4	11.8003	93476.	113945.	122661.	.135
3 S	2- 2	-270942.6	340.	10508.	11.9006	28750.	36800.	37986.	.059

INSTABILITA' - RIGIDEZZA NOMINALE Z [EC2 5.8.7]:

Asta	Caso	NB	10	Jn	JcIs/Jn	McaI	M0Ed	MEd	nu
1 S	2- 1	-4889024.	80.	10497.6	11.9125	396609.	404653.	407192.	.212
2 S	2- 1	-273246.7	340.	10597.4	11.8003	221951.	242421.	260963.	.135
3 S	2- 2	-270942.6	340.	10508.	11.9006	434071.	442122.	456366.	.059

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE	
1 I	2- 1	3676.7	5576.2	5576.2	24373.	.57	20.	2.5	NO	11
1 C	2- 1	3676.7	5576.2	5576.2	24350.7	.57	20.	2.5	NO	10
1 S	2- 1	3676.7	5576.2	5576.2	24328.5	.57	20.	2.5	NO	11
2 I	2- 2	1045.2	5576.2	5576.2	22990.	.57	20.	2.5	NO	11
2 C	2- 2	1045.2	5576.2	5576.2	22895.4	.57	20.	2.5	NO	10
2 S	2- 2	1045.2	5576.2	5576.2	22800.9	.57	20.	2.5	NO	11
3 I	2- 2	2386.1	5576.2	5576.2	21296.9	.57	20.	2.5	NO	11
3 C	2- 2	2386.1	5576.2	5576.2	21202.4	.57	20.	2.5	NO	10
3 S	2- 2	2386.1	5576.2	5576.2	21107.9	.57	20.	2.5	NO	11

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE	
1 I	2- 1	-1766.9	5576.2	5576.2	24373.	.57	20.	2.5	NO	11
1 C	2- 1	-1766.9	5576.2	5576.2	24350.7	.57	20.	2.5	NO	10
1 S	2- 1	-1766.9	5576.2	5576.2	24328.5	.57	20.	2.5	NO	11
2 I	2- 1	-473.2	5576.2	5576.2	22827.3	.57	20.	2.5	NO	11
2 C	2- 1	-473.2	5576.2	5576.2	22732.7	.57	20.	2.5	NO	10
2 S	2- 1	-473.2	5576.2	5576.2	22638.2	.57	20.	2.5	NO	11
3 I	2- 1	-382.3	5576.2	5576.2	21207.7	.57	20.	2.5	NO	11
3 C	2- 1	-382.3	5576.2	5576.2	21113.2	.57	20.	2.5	NO	10
3 S	2- 1	-382.3	5576.2	5576.2	21018.7	.57	20.	2.5	NO	11

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	18- 2	-22151.5	-2678.1	150519.1	-34.8	-28.3	SI
1 C	18- 2	-22029.	47728.3	178476.3	-45.	111.2	SI
1 S	18- 1	-21160.8	90148.6	274869.9	-72.7	667.2	SI
2 I	18- 2	-14505.9	-32761.1	-133683.2	-32.7	123.8	SI
2 C	18- 1	-13208.7	9022.4	41559.9	-15.9	-75.9	SI
2 S	18- 1	-12688.1	63709.6	152260.1	-42.5	360.4	SI
3 I	18- 2	-6027.6	-49356.9	-259011.3	-68.	1741.2	SI
3 C	18- 1	-5081.2	-12175.6	33012.1	-9.3	9.8	SI
3 S	18- 2	-4986.3	22847.	300279.5	-69.2	2113.4	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	21- 2	-20249.1	-13607.4	124078.7	-31.5	-30.3	SI
1 C	21- 2	-20126.6	39580.1	169961.	-41.7	112.	SI
1 S	21- 1	-19854.9	91170.5	229530.5	-62.8	490.6	SI
2 I	21- 2	-12918.9	-40521.6	-102426.5	-27.9	86.	SI
2 C	21- 1	-12242.9	9908.7	21614.2	-12.9	-92.3	SI
2 S	21- 1	-11722.3	62919.7	132746.3	-38.2	305.	SI
3 I	21- 2	-4906.6	-54263.1	-178656.	-52.1	1199.	SI
3 C	21- 1	-4300.8	-12177.2	14186.9	-6.4	-10.6	SI
3 S	21- 2	-3865.3	29476.9	202078.5	-50.7	1418.3	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	23- 1	-19718.7	-15872.6	117342.8	-30.6	-30.8	SI
1 C	23- 1	-19596.2	37682.5	167141.9	-40.7	112.	SI
1 S	23- 1	-19473.7	91237.7	216941.	-60.	446.	SI
2 I	23- 1	-12495.3	-42510.8	-93972.3	-26.7	77.3	SI
2 C	23- 1	-11974.7	10096.1	16457.2	-12.1	-96.4	SI
2 S	23- 1	-11454.	62703.1	126886.6	-36.9	288.	SI
3 I	23- 1	-4626.1	-55439.4	-157910.9	-47.9	1059.3	SI
3 C	23- 1	-4105.5	-12185.8	9784.5	-5.7	-14.7	SI
3 S	23- 1	-3584.9	31067.8	177479.9	-45.9	1244.3	SI

MESSAGGI

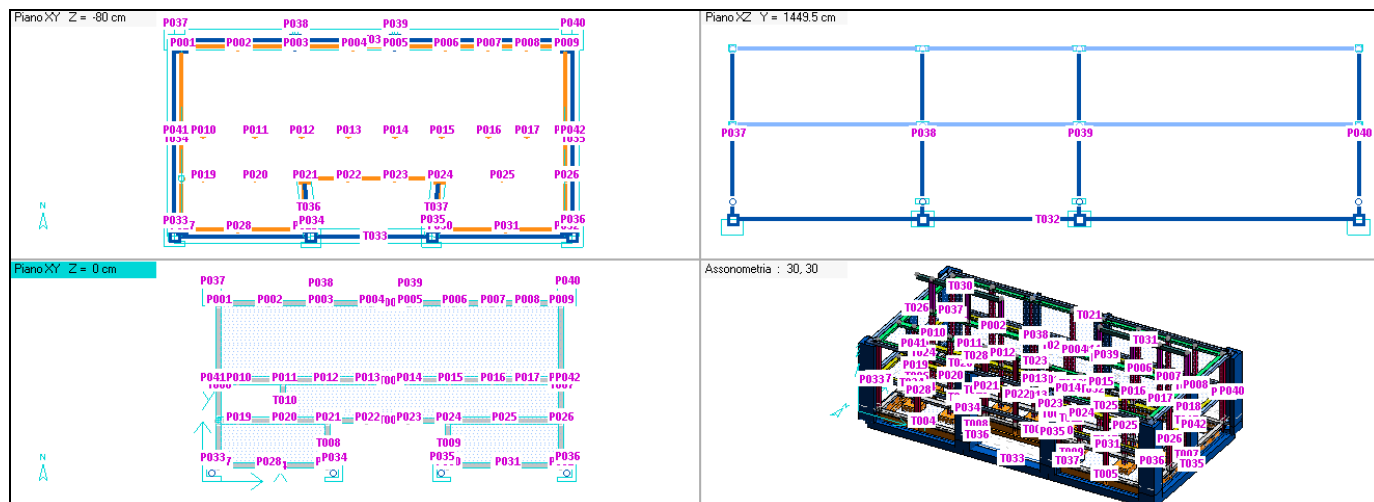
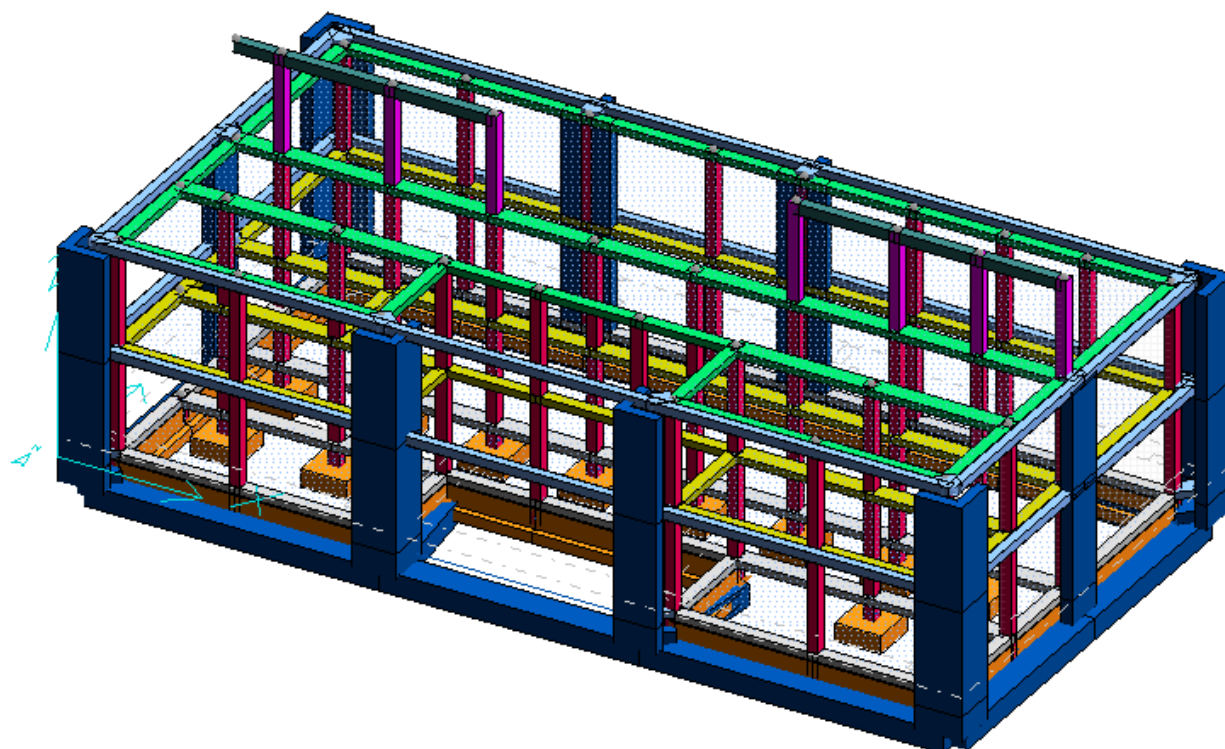
- 1) Verifica presso-flessionale a SLU non soddisfatta [4.1.2.3.4.2].
- 3) Armatura longitudinale insufficiente [7.4.6.2.2].
- 10) Passo staffe insufficiente [4.1.6.1.2].
- 11) Passo staffe insufficiente [7.4.6.2.2].

COME DESUMIBILE DALLE VERIFICHE DEGLI ELEMENTI VERTICALI (PILASTRI) ESISTENTI, SI RISCONTRANO SIA PROBLEMATICHE DI PRESSO-FLESSIONE (FORMAZIONE CERNIERE PLASTICHE) SIA MANCANZA DI RESISTENZA A TAGLIO, CON CONSEGUENTE RISCHIO DI ROTTURA FRAGILE. SI EVIDENZIA COME LE DEFICIENZE RISCONTRATE SUI PILASTRI POSSANO PROVOCARE IL CROLLO DELL'EDIFICIO IN CASO DI EVENTO SISMICO DI INTENSITA' PARI A QUELLA MASSIMA DI PROGETTO.

DATI STRUTTURA:

*** DATI STRUTTURA

Unità di misura :
 LUNGHEZZE : cm
 SUPERFICI : cm²
 DATI SEZIONALI : cm
 ANGOLI : gradi
 FORZE : daN
 MOMENTI : daNcm
 CARICHI LINEARI : daN/cm
 CARICHI SUPERFIC. : daN/cm²
 TENSIONI : daN/cm²
 PESI DI VOLUME : daN/cm³
 COEFF. DI WINKLER : daN/cm³
 RIGIDEZZE VINCOL. : daN/cm - daNcm/rad



NODI--	-----	-----	-----	-----	num.=
Nome	Coord. X	Coord. Y	Coord. Z		186
1	122.500	1399.500	0.000		
2	122.500	1399.500	340.000		
3	519.000	1399.500	0.000		
4	519.000	1399.500	340.000		
5	919.000	1399.500	0.000		
6	919.000	1399.500	340.000		
7	1321.500	1399.500	0.000		
8	1321.500	1399.500	340.000		
9	2812.500	1399.500	0.000		
10	2812.500	1399.500	340.000		
11	2812.500	791.000	0.000		
12	2812.500	791.000	340.000		
13	2538.500	791.000	0.000		
14	2538.500	791.000	340.000		
15	2269.500	791.000	0.000		
16	2269.500	791.000	340.000		
17	1942.000	791.000	0.000		
18	1942.000	791.000	340.000		
19	1615.000	791.000	0.000		
20	1615.000	791.000	340.000		
21	1287.000	791.000	0.000		
22	1287.000	791.000	340.000		
23	960.500	791.000	0.000		
24	960.500	791.000	340.000		
25	631.500	791.000	0.000		
26	631.500	791.000	340.000		
27	631.500	479.000	0.000		
28	631.500	479.000	340.000		
29	979.500	479.000	0.000		
30	979.500	479.000	340.000		
31	1926.500	479.000	0.000		
32	1926.500	479.000	340.000		
35	2812.500	122.500	0.000		
36	2812.500	122.500	340.000		
37	2391.000	122.500	0.000		
38	2391.000	122.500	340.000		
39	1926.500	122.500	0.000		
40	1926.500	122.500	340.000		
41	979.500	122.500	0.000		
42	979.500	122.500	340.000		
43	515.000	122.500	0.000		
44	515.000	122.500	340.000		
45	122.500	122.500	0.000		
46	122.500	122.500	340.000		
47	272.500	479.000	0.000		
48	272.500	479.000	340.000		
49	1615.000	479.000	0.000		
50	1615.000	479.000	340.000		
51	1287.000	479.000	0.000		
52	1287.000	479.000	340.000		
53	2366.500	479.000	0.000		
54	2366.500	479.000	340.000		
55	272.500	791.000	0.000		
56	272.500	791.000	340.000		
57	1617.500	1399.500	0.000		
58	1617.500	1399.500	340.000		
59	1973.000	1399.500	0.000		
60	1973.000	1399.500	340.000		
61	2269.500	1399.500	0.000		
62	2269.500	1399.500	340.000		
63	2538.500	1399.500	0.000		
64	2538.500	1399.500	340.000		
65	122.500	1399.500	680.000		
66	519.000	1399.500	680.000		
67	919.000	1399.500	680.000		
68	1321.500	1399.500	680.000		
69	2812.500	1399.500	680.000		
70	2812.500	791.000	680.000		
71	2538.500	791.000	680.000		
72	2269.500	791.000	680.000		
73	1942.000	791.000	680.000		
74	1615.000	791.000	680.000		
75	1287.000	791.000	680.000		
76	960.500	791.000	680.000		
77	631.500	791.000	680.000		
78	631.500	479.000	680.000		
79	979.500	479.000	680.000		
80	1926.500	479.000	680.000		
82	2812.500	122.500	680.000		
83	2391.000	122.500	680.000		
84	1926.500	122.500	680.000		
85	979.500	122.500	680.000		
86	515.000	122.500	680.000		
87	122.500	122.500	680.000		
88	272.500	479.000	680.000		
89	1615.000	479.000	680.000		
90	1287.000	479.000	680.000		
91	2366.500	479.000	680.000		
92	272.500	791.000	680.000		
93	1617.500	1399.500	680.000		
94	1973.000	1399.500	680.000		
95	2269.500	1399.500	680.000		

96	2538.500	1399.500	680.000
97	272.500	791.000	1000.000
98	631.500	791.000	1000.000
99	960.500	791.000	1000.000
100	2812.500	791.000	1000.000
101	2538.500	791.000	1000.000
102	2269.500	791.000	1000.000
103	1942.000	791.000	1000.000
104	2812.500	479.000	0.000
105	122.500	791.000	0.000
106	122.500	479.000	0.000
107	122.500	479.000	680.000
108	122.500	791.000	680.000
109	2812.500	479.000	680.000
110	2812.500	479.000	340.000
111	122.500	791.000	340.000
112	122.500	479.000	340.000
113	122.500	791.000	1000.000
114	122.500	1399.500	-80.000
115	519.000	1399.500	-80.000
116	919.000	1399.500	-80.000
117	1321.500	1399.500	-80.000
118	2812.500	1399.500	-80.000
119	2812.500	791.000	-80.000
120	2538.500	791.000	-80.000
121	2269.500	791.000	-80.000
122	1942.000	791.000	-80.000
123	1615.000	791.000	-80.000
124	1287.000	791.000	-80.000
125	960.500	791.000	-80.000
126	631.500	791.000	-80.000
127	631.500	479.000	-80.000
128	979.500	479.000	-80.000
129	1926.500	479.000	-80.000
131	2812.500	122.500	-80.000
132	2391.000	122.500	-80.000
133	1926.500	122.500	-80.000
134	979.500	122.500	-80.000
135	515.000	122.500	-80.000
136	122.500	122.500	-80.000
137	272.500	479.000	-80.000
138	1615.000	479.000	-80.000
139	1287.000	479.000	-80.000
140	2366.500	479.000	-80.000
141	272.500	791.000	-80.000
142	1617.500	1399.500	-80.000
143	1973.000	1399.500	-80.000
144	2269.500	1399.500	-80.000
145	2538.500	1399.500	-80.000
146	2812.500	479.000	-80.000
147	122.500	791.000	-80.000
148	122.500	479.000	-80.000
150	272.500	479.000	170.000
152	272.500	791.000	170.000
153	72.500	1449.500	-80.000
154	919.000	1449.500	-80.000
155	1617.500	1449.500	-80.000
156	2862.500	1449.500	-80.000
157	2862.500	791.000	-80.000
158	2862.500	72.500	-80.000
159	72.500	791.000	-80.000
160	72.500	72.500	-80.000
161	1029.500	72.500	-80.000
162	1876.500	72.500	-80.000
163	72.500	1449.500	340.000
164	919.000	1449.500	340.000
165	1617.500	1449.500	340.000
166	2862.500	1449.500	340.000
167	2862.500	791.000	340.000
168	2862.500	72.500	340.000
169	72.500	791.000	340.000
170	72.500	72.500	340.000
171	1029.500	72.500	340.000
172	1876.500	72.500	340.000
187	72.500	1449.500	680.000
188	919.000	1449.500	680.000
189	1617.500	1449.500	680.000
190	2862.500	1449.500	680.000
191	72.500	791.000	680.000
192	72.500	72.500	680.000
193	1029.500	72.500	680.000
194	1876.500	72.500	680.000
195	2862.500	72.500	680.000
196	2862.500	791.000	680.000
197	72.500	72.500	0.000
198	1029.500	72.500	0.000
199	1876.500	72.500	0.000
200	2862.500	72.500	0.000
201	2862.500	791.000	0.000
202	2862.500	1449.500	0.000
203	1617.500	1449.500	0.000
204	919.000	1449.500	0.000
205	72.500	1449.500	0.000
206	72.500	791.000	0.000

ASTE--	-----	-----	-----	-----	-----	num.=
Nome	Proprieta`	Nodo iniz.	Nodo fin.	Rilasci in.	Rilasci fin.	Orient.
1	1	1	2	RyRz	RyRz	0.0
2	1	3	4	RyRz	RyRz	0.0
3	1	5	6	RyRz	RyRz	0.0
4	1	7	8	RyRz	RyRz	0.0
5	1	9	10	RyRz	RyRz	0.0
6	1	11	12	RyRz	RyRz	0.0
7	1	13	14	RyRz	RyRz	0.0
8	1	15	16	RyRz	RyRz	0.0
9	1	17	18	RyRz	RyRz	0.0
10	1	19	20	RyRz	RyRz	0.0
11	1	21	22	RyRz	RyRz	0.0
12	1	23	24	RyRz	RyRz	0.0
13	1	25	26	RyRz	RyRz	0.0
14	1	27	28	RyRz	RyRz	0.0
15	1	29	30	RyRz	RyRz	0.0
16	1	31	32	RyRz	RyRz	0.0
17	1	104	110	RyRz	RyRz	0.0
18	1	35	36	RyRz	RyRz	0.0
19	1	37	38	RyRz	RyRz	0.0
20	1	39	40	RyRz	RyRz	0.0
21	1	41	42	RyRz	RyRz	0.0
22	1	43	44	RyRz	RyRz	0.0
23	1	45	46	RyRz	RyRz	0.0
24	1	47	150	RyRz	RyRz	0.0
25	1	49	50	RyRz	RyRz	0.0
26	1	51	52	RyRz	RyRz	0.0
27	1	53	54	RyRz	RyRz	0.0
28	1	55	152	RyRz	RyRz	0.0
29	1	57	58	RyRz	RyRz	0.0
30	1	59	60	RyRz	RyRz	0.0
31	1	61	62	RyRz	RyRz	0.0
32	1	63	64	RyRz	RyRz	0.0
33	1	2	65	RyRz	RyRz	0.0
34	1	4	66	RyRz	RyRz	0.0
35	1	6	67	RyRz	RyRz	0.0
36	1	8	68	RyRz	RyRz	0.0
37	1	10	69	RyRz	RyRz	0.0
38	1	12	70	RyRz	RyRz	0.0
39	1	14	71	RyRz	RyRz	0.0
40	1	16	72	RyRz	RyRz	0.0
41	1	18	73	RyRz	RyRz	0.0
42	1	20	74	RyRz	RyRz	0.0
43	1	22	75	RyRz	RyRz	0.0
44	1	24	76	RyRz	RyRz	0.0
45	1	26	77	RyRz	RyRz	0.0
46	1	28	78	RyRz	RyRz	0.0
47	1	30	79	RyRz	RyRz	0.0
48	1	32	80	RyRz	RyRz	0.0
49	1	110	109	RyRz	RyRz	0.0
50	1	36	82	RyRz	RyRz	0.0
51	1	38	83	RyRz	RyRz	0.0
52	1	40	84	RyRz	RyRz	0.0
53	1	42	85	RyRz	RyRz	0.0
54	1	44	86	RyRz	RyRz	0.0
55	1	46	87	RyRz	RyRz	0.0
56	1	48	88	RyRz	RyRz	0.0
57	1	50	89	RyRz	RyRz	0.0
58	1	52	90	RyRz	RyRz	0.0
59	1	54	91	RyRz	RyRz	0.0
60	1	56	92	RyRz	RyRz	0.0
61	1	58	93	RyRz	RyRz	0.0
62	1	60	94	RyRz	RyRz	0.0
63	1	62	95	RyRz	RyRz	0.0
64	1	64	96	RyRz	RyRz	0.0
65	1	92	97	RyRz	RyRz	0.0
66	1	77	98	RyRz	RyRz	0.0
67	1	76	99	RyRz	RyRz	0.0
68	1	70	100	RyRz	RyRz	0.0
69	1	71	101	RyRz	RyRz	0.0
70	1	72	102	RyRz	RyRz	0.0
71	1	73	103	RyRz	RyRz	0.0
72	2	63	9			0.0
73	2	1	3			0.0
74	2	3	5			0.0
75	2	5	7			0.0
76	2	7	57			0.0
77	2	57	59			0.0
78	2	59	61			0.0
79	2	61	63			0.0
80	2	49	31			0.0
81	2	51	49			0.0
82	2	29	51			0.0
83	2	37	35			0.0
84	2	39	37			0.0
85	2	43	41			0.0
86	2	45	43			0.0
87	2	35	104			0.0
88	2	104	11			0.0
89	2	11	9			0.0
90	2	105	1			0.0
91	2	106	105			0.0

Progetto esecutivo

Relazione Tecnica e di Calcolo - Tabulati struttura in progetto

92	2	45	106		0.0
93	2	87	107		0.0
94	2	107	108		0.0
95	2	108	65		0.0
96	2	70	69		0.0
97	2	109	70		0.0
98	2	82	109		0.0
99	2	84	80		0.0
100	2	84	83		0.0
101	2	83	82		0.0
102	2	86	85		0.0
103	2	87	86		0.0
104	2	85	79		0.0
105	2	79	90		0.0
106	2	90	89		0.0
107	2	89	80		0.0
108	2	96	69		0.0
109	2	65	66		0.0
110	2	66	67		0.0
111	2	67	68		0.0
112	2	68	93		0.0
113	2	93	94		0.0
114	2	94	95		0.0
115	2	95	96		0.0
116	2	39	31		0.0
117	2	41	29		0.0
118	2	64	10		0.0
119	2	2	4		0.0
120	2	4	6		0.0
121	2	6	8		0.0
122	2	8	58		0.0
123	2	58	60		0.0
124	2	60	62		0.0
125	2	62	64		0.0
126	2	36	110		0.0
127	2	12	10		0.0
128	2	110	12		0.0
130	2	38	36		0.0
131	2	44	42		0.0
132	2	40	38		0.0
133	2	46	44		0.0
134	2	40	32		0.0
135	2	42	30		0.0
136	2	50	32		0.0
137	2	52	50		0.0
138	2	30	52		0.0
139	2	111	2		0.0
140	2	112	111		0.0
141	2	46	112		0.0
142	3	13	11		0.0
143	3	15	13		0.0
144	3	17	15		0.0
145	3	19	17		0.0
146	3	21	19		0.0
147	3	23	21		0.0
148	3	25	23		0.0
149	3	55	25		0.0
150	3	105	55		0.0
151	3	27	29		0.0
152	3	47	27		0.0
153	3	106	47		0.0
154	3	53	104		0.0
156	3	31	53		0.0
157	3	14	12		0.0
158	3	16	14		0.0
159	3	18	16		0.0
160	3	20	18		0.0
161	3	22	20		0.0
162	3	24	22		0.0
163	3	26	24		0.0
164	3	56	26		0.0
165	3	111	56		0.0
166	3	28	30		0.0
167	3	48	28		0.0
168	3	112	48		0.0
169	3	54	110		0.0
170	3	32	54		0.0
171	3	71	70		0.0
172	3	72	71		0.0
173	3	73	72		0.0
174	3	74	73		0.0
175	3	75	74		0.0
176	3	76	75		0.0
177	3	77	76		0.0
178	3	92	77		0.0
179	3	108	92		0.0
180	3	78	79		0.0
181	3	88	78		0.0
182	3	107	88		0.0
183	3	91	109		0.0
185	3	80	91		0.0
186	1	113	97	RyRz	0.0
187	1	97	98	RyRz	0.0
188	1	98	99	RyRz	0.0

189	1	103	102	RyRz	RyRz	0.0
190	1	102	101	RyRz	RyRz	0.0
191	1	101	100	RyRz	RyRz	0.0
192	1	114	1	RyRz	RyRz	0.0
193	1	115	3	RyRz	RyRz	0.0
194	1	116	5	RyRz	RyRz	0.0
195	1	117	7	RyRz	RyRz	0.0
196	1	118	9	RyRz	RyRz	0.0
197	1	119	11	RyRz	RyRz	0.0
198	1	120	13	RyRz	RyRz	0.0
199	1	121	15	RyRz	RyRz	0.0
200	1	122	17	RyRz	RyRz	0.0
201	1	123	19	RyRz	RyRz	0.0
202	1	124	21	RyRz	RyRz	0.0
203	1	125	23	RyRz	RyRz	0.0
204	1	126	25	RyRz	RyRz	0.0
205	1	127	27	RyRz	RyRz	0.0
206	1	128	29	RyRz	RyRz	0.0
207	1	129	31	RyRz	RyRz	0.0
208	1	146	104	RyRz	RyRz	0.0
209	1	131	35	RyRz	RyRz	0.0
210	1	132	37	RyRz	RyRz	0.0
211	1	133	39	RyRz	RyRz	0.0
212	1	134	41	RyRz	RyRz	0.0
213	1	135	43	RyRz	RyRz	0.0
214	1	136	45	RyRz	RyRz	0.0
215	1	137	47	RyRz	RyRz	0.0
216	1	138	49	RyRz	RyRz	0.0
217	1	139	51	RyRz	RyRz	0.0
218	1	140	53	RyRz	RyRz	0.0
219	1	141	55	RyRz	RyRz	0.0
220	1	142	57	RyRz	RyRz	0.0
221	1	143	59	RyRz	RyRz	0.0
222	1	144	61	RyRz	RyRz	0.0
223	1	145	63	RyRz	RyRz	0.0
224	4	145	118			180.0
225	4	114	115			180.0
226	4	115	116			180.0
227	4	116	117			180.0
228	4	117	142			180.0
229	4	142	143			180.0
230	4	143	144			180.0
231	4	144	145			180.0
232	4	131	146			180.0
233	4	146	119			180.0
234	4	119	118			180.0
236	4	132	131			180.0
237	4	133	132			180.0
238	4	135	134			180.0
239	4	136	135			180.0
240	4	138	129			180.0
241	4	139	138			180.0
242	4	128	139			180.0
243	4	133	129			180.0
244	4	134	128			180.0
245	4	147	114			180.0
246	4	148	147			180.0
247	4	136	148			180.0
249	2	27	25			0.0
250	2	28	26			0.0
252	1	150	48	RyRz	RyRz	0.0
254	1	152	56	RyRz	RyRz	0.0
256	3	150	152			0.0
257	1	148	106	RyRz	RyRz	0.0
258	1	147	105	RyRz	RyRz	0.0
259	10	153	154			0.0
260	10	154	155			0.0
261	10	155	156			0.0
262	9	157	156			0.0
263	9	158	157			0.0
264	9	159	153			0.0
265	9	160	159			0.0
266	9	160	161			0.0
267	9	162	158			0.0
268	9	114	153			0.0
269	9	116	154			0.0
270	9	142	155			0.0
271	9	118	156			0.0
272	9	119	157			0.0
273	9	158	131			0.0
274	9	162	133			0.0
275	9	161	134			0.0
276	9	160	136			0.0
277	9	159	147			0.0
278	9	161	128			180.0
279	9	162	129			0.0
280	8	163	164			0.0
281	8	164	165			0.0
282	8	165	166			0.0
283	8	167	166			0.0
284	8	168	167			0.0
285	8	169	163			0.0
286	8	170	169			0.0
287	8	170	171			0.0

288	8	172	168	0.0
289	3	2	163	0.0
290	3	6	164	0.0
291	3	58	165	0.0
292	3	10	166	0.0
293	3	12	167	0.0
294	3	168	36	0.0
295	3	172	40	0.0
296	3	171	42	0.0
297	3	170	46	0.0
298	3	169	111	0.0
322	8	187	188	0.0
323	8	188	189	0.0
324	8	189	190	0.0
325	3	93	189	0.0
326	3	67	188	0.0
327	3	65	187	0.0
328	8	191	187	0.0
329	3	191	108	0.0
330	8	192	191	0.0
331	3	192	87	0.0
332	8	192	193	0.0
333	3	193	85	0.0
334	3	194	84	0.0
335	8	194	195	0.0
336	3	195	82	0.0
337	8	195	196	0.0
338	3	70	196	0.0
339	8	196	190	0.0
340	3	69	190	0.0
341	11	160	197	270.0
342	11	170	192	270.0
343	11	161	198	0.0
344	11	171	193	0.0
345	12	162	199	270.0
346	12	172	194	270.0
347	5	158	200	0.0
348	5	168	195	0.0
349	8	193	194	0.0
350	8	171	172	0.0
351	9	161	162	0.0
352	6	159	206	0.0
353	6	169	191	0.0
354	5	153	205	180.0
355	5	163	187	180.0
356	6	167	196	0.0
357	6	157	201	0.0
358	5	166	190	90.0
359	5	156	202	90.0
360	7	154	204	90.0
361	7	164	188	90.0
362	7	155	203	90.0
363	7	165	189	90.0
364	9	114	153	0.0
365	9	116	154	0.0
366	9	142	155	0.0
367	9	118	156	0.0
368	9	119	157	0.0
369	9	158	131	0.0
370	9	162	133	0.0
371	9	161	134	0.0
372	9	160	136	0.0
373	9	159	147	0.0
394	11	197	170	270.0
395	11	198	171	0.0
396	12	199	172	270.0
397	5	200	168	0.0
398	5	205	163	180.0
399	7	204	164	90.0
400	7	203	165	90.0
401	5	202	166	90.0
402	6	206	169	0.0
403	6	201	167	0.0
404	3	1	205	0.0
405	3	5	204	0.0
406	3	57	203	0.0
407	3	9	202	0.0
408	3	11	201	0.0
409	3	200	35	0.0
410	3	199	39	0.0
411	3	198	41	0.0
412	3	197	45	0.0
413	3	206	105	0.0

PROPRIETA`	ASTE----	-----	-----	-----	-----	num.=
Nome	Materiale	Base Kw vertic.	Altezza Kw orizz.	Area J tors.	Area tag. Y J fless. Y	Area tag. Z J fless. Z
1	1	35.00	35.00	1.22500E+03	1.02083E+03	1.02083E+03
		0.000000	0.000000	2.11335E+05	1.25052E+05	1.25052E+05
2	1	40.00	24.00	9.60000E+02	8.00000E+02	8.00000E+02
		0.000000	0.000000	1.15398E+05	1.28000E+05	4.60800E+04
3	1	60.00	24.00	1.44000E+03	1.20000E+03	1.20000E+03
		0.000000	0.000000	2.06954E+05	4.32000E+05	6.91200E+04
4	1	80.00	100.00	5.07500E+03	3.50000E+03	2.80000E+03

Progetto esecutivo

Relazione Tecnica e di Calcolo - Tabulati struttura in progetto

5	1	2.000000	2.000000	1.69393E+06	1.72557E+06	4.22475E+06
		150.00	150.00	9.27500E+03	5.25000E+03	5.25000E+03
		0.000000	0.000000	3.15726E+06	1.77873E+07	1.77873E+07
6	1	140.00	35.00	4.90000E+03	4.08333E+03	4.08333E+03
		0.000000	0.000000	1.68579E+06	8.00333E+06	5.00208E+05
7	1	160.00	135.00	9.10000E+03	4.72500E+03	5.60000E+03
		0.000000	0.000000	3.33592E+06	1.23040E+07	1.33018E+07
8	2	30.00	30.00	7.05600E+01	3.60000E+01	3.60000E+01
		0.000000	0.000000	1.52473E+04	1.01691E+04	1.01691E+04
9	1	100.00	70.00	7.00000E+03	5.83333E+03	5.83333E+03
		2.500000	2.500000	6.49205E+06	5.83333E+06	2.85833E+06
10	1	140.00	70.00	9.80000E+03	8.16667E+03	8.16667E+03
		2.500000	2.500000	1.09907E+07	1.60067E+07	4.00167E+06
11	1	150.00	140.00	8.92500E+03	4.90000E+03	5.25000E+03
		0.000000	0.000000	3.01439E+06	1.73662E+07	1.45050E+07
12	1	140.00	150.00	8.92500E+03	5.25000E+03	4.90000E+03
		0.000000	0.000000	3.01439E+06	1.45050E+07	1.73662E+07

MATERIALI----- ----- ----- ----- ----- num.=	2
Nome Mod. elast. Coeff. nu Mod. tang. Peso spec. Dil. te.	
1 3.00000E+05 1.50000E-01 1.30000E+05 2.50000E-03 1.00000E-05	
2 2.10000E+06 3.00000E-01 8.50000E+05 7.85000E-03 1.00000E-05	

VINCOLI----- ----- ----- ----- ----- num.=	25
Nodo Rigid. X Rigid. Y Rigid. Z Rigid. RX Rigid. RY Rigid. RZ	
141 bloccato bloccato 4.50000E+04 8.43750E+07 8.43750E+07 bloccato	
126 bloccato bloccato 4.50000E+04 8.43750E+07 8.43750E+07 bloccato	
125 bloccato bloccato 4.50000E+04 8.43750E+07 8.43750E+07 bloccato	
124 bloccato bloccato 4.50000E+04 8.43750E+07 8.43750E+07 bloccato	
123 bloccato bloccato 4.50000E+04 8.43750E+07 8.43750E+07 bloccato	
122 bloccato bloccato 4.50000E+04 8.43750E+07 8.43750E+07 bloccato	
121 bloccato bloccato 4.50000E+04 8.43750E+07 8.43750E+07 bloccato	
120 bloccato bloccato 4.50000E+04 8.43750E+07 8.43750E+07 bloccato	
140 bloccato bloccato 4.50000E+04 8.43750E+07 8.43750E+07 bloccato	
127 bloccato bloccato 4.50000E+04 8.43750E+07 8.43750E+07 bloccato	
137 bloccato bloccato 4.50000E+04 8.43750E+07 8.43750E+07 bloccato	
129 bloccato bloccato libero libero libero libero	
128 bloccato bloccato libero libero libero libero	
158 bloccato bloccato libero libero libero libero	
162 bloccato bloccato libero libero libero libero	
161 bloccato bloccato libero libero libero libero	
160 bloccato bloccato libero libero libero libero	
153 bloccato bloccato libero libero libero libero	
156 bloccato bloccato libero libero libero libero	
155 bloccato bloccato libero libero libero libero	
154 bloccato bloccato libero libero libero libero	
131 bloccato bloccato libero libero libero libero	
118 bloccato bloccato libero libero libero libero	
114 bloccato bloccato libero libero libero libero	
136 bloccato bloccato libero libero libero libero	

CARICHI NODI----- ----- ----- ----- ----- num.=	2159
Nome	Nodo Direzione Intensita`
1 - 1625 : Forze Dinamiche (Autovetтори)	
1626 - 1913 : Forze Sismiche (Analisi Semplificata)	
1914 - 2159 : Momenti Torcenti Addizionali	

CARICHI DI SOLAIO----- ----- ----- ----- ----- num.=	8
Nome Cos X Cos Y Cos Z Cond. Rifer. Intens. Quota	
1 0.0000 1.0000 0.0000 2 glob -0.02900 0.00	
2 0.0000 1.0000 0.0000 2 glob -0.02900 340.00	
3 0.0000 1.0000 0.0000 2 glob -0.02900 680.00	
4 0.0000 1.0000 0.0000 6 glob -0.01500 0.00	
5 0.0000 1.0000 0.0000 6 glob -0.01500 340.00	
6 0.0000 1.0000 0.0000 6 glob -0.01500 680.00	
7 0.0000 1.0000 0.0000 7 glob -0.03000 0.00	
8 0.0000 1.0000 0.0000 7 glob -0.03000 340.00	

CARICHI ASTE----- ----- ----- ----- ----- num.=	660
Nome	Asta Dir Tip RIF Parametro 1 Parametro 2 Parametro 3 Parametro 4
2160 S005-p.proprioeh=22+4	72 Z FT glo -8.823 -8.823 0.000 0.000
2161 S005-p.proprioeh=22+4	73 Z FT glo -8.823 -8.823 0.000 0.000
2162 S005-p.proprioeh=22+4	74 Z FT glo -8.823 -8.823 0.000 0.000
2163 S005-p.proprioeh=22+4	75 Z FT glo -8.823 -8.823 0.000 0.000
2164 S005-p.proprioeh=22+4	76 Z FT glo -8.823 -8.823 0.000 0.000
2165 S005-p.proprioeh=22+4	77 Z FT glo -8.823 -8.823 0.000 0.000
2166 S005-p.proprioeh=22+4	78 Z FT glo -8.823 -8.823 0.000 0.000
2167 S005-p.proprioeh=22+4	79 Z FT glo -8.823 -8.823 0.000 0.000
2168 S005-p.proprioeh=22+4	80 Z FT glo -4.524 -4.524 0.000 0.000
2169 S005-p.proprioeh=22+4	81 Z FT glo -4.524 -4.524 0.000 0.000
2170 S005-p.proprioeh=22+4	82 Z FT glo -4.524 -4.524 0.000 0.000
2171 S005-p.proprioeh=22+4	83 Z FT glo -5.169 -5.169 0.000 0.000
2172 S005-p.proprioeh=22+4	84 Z FT glo -5.169 -5.169 0.000 0.000
2173 S005-p.proprioeh=22+4	85 Z FT glo -5.169 -5.169 0.000 0.000
2174 S005-p.proprioeh=22+4	86 Z FT glo -5.169 -5.169 0.000 0.000
2175 S005-p.proprioeh=22+4	142 Z FT glo -13.347 -13.347 0.000 0.000
2176 S005-p.proprioeh=22+4	143 Z FT glo -13.347 -13.347 0.000 0.000
2177 S005-p.proprioeh=22+4	144 Z FT glo -13.347 -13.347 0.000 0.000
2178 S005-p.proprioeh=22+4	145 Z FT glo -13.347 -13.347 0.000 0.000
2179 S005-p.proprioeh=22+4	146 Z FT glo -13.347 -13.347 0.000 0.000
2180 S005-p.proprioeh=22+4	147 Z FT glo -13.347 -13.347 0.000 0.000
2181 S005-p.proprioeh=22+4	148 Z FT glo -13.347 -13.347 0.000 0.000
2182 S005-p.proprioeh=22+4	149 Z FT glo -13.347 -13.347 0.000 0.000
2183 S005-p.proprioeh=22+4	150 Z FT glo -13.347 -13.347 0.000 0.000

2184	S005-p.proprio	h=22+4	151	Z	FT	glo	-9.693	-9.693	0.000	0.000
2185	S005-p.proprio	h=22+4	152	Z	FT	glo	-9.693	-9.693	0.000	0.000
2186	S005-p.proprio	h=22+4	153	Z	FT	glo	-9.693	-9.693	0.000	0.000
2187	S005-p.proprio	h=22+4	154	Z	FT	glo	-9.693	-9.693	0.000	0.000
2188	S005-p.proprio	h=22+4	156	Z	FT	glo	-9.693	-9.693	0.000	0.000
2189	S006-p.proprio	h=22+4	118	Z	FT	glo	-8.823	-8.823	0.000	0.000
2190	S006-p.proprio	h=22+4	119	Z	FT	glo	-8.823	-8.823	0.000	0.000
2191	S006-p.proprio	h=22+4	120	Z	FT	glo	-8.823	-8.823	0.000	0.000
2192	S006-p.proprio	h=22+4	121	Z	FT	glo	-8.823	-8.823	0.000	0.000
2193	S006-p.proprio	h=22+4	122	Z	FT	glo	-8.823	-8.823	0.000	0.000
2194	S006-p.proprio	h=22+4	123	Z	FT	glo	-8.823	-8.823	0.000	0.000
2195	S006-p.proprio	h=22+4	124	Z	FT	glo	-8.823	-8.823	0.000	0.000
2196	S006-p.proprio	h=22+4	125	Z	FT	glo	-8.823	-8.823	0.000	0.000
2197	S006-p.proprio	h=22+4	130	Z	FT	glo	-5.169	-5.169	0.000	0.000
2198	S006-p.proprio	h=22+4	131	Z	FT	glo	-5.169	-5.169	0.000	0.000
2199	S006-p.proprio	h=22+4	132	Z	FT	glo	-5.169	-5.169	0.000	0.000
2200	S006-p.proprio	h=22+4	133	Z	FT	glo	-5.169	-5.169	0.000	0.000
2201	S006-p.proprio	h=22+4	136	Z	FT	glo	-4.524	-4.524	0.000	0.000
2202	S006-p.proprio	h=22+4	137	Z	FT	glo	-4.524	-4.524	0.000	0.000
2203	S006-p.proprio	h=22+4	138	Z	FT	glo	-4.524	-4.524	0.000	0.000
2204	S006-p.proprio	h=22+4	157	Z	FT	glo	-13.347	-13.347	0.000	0.000
2205	S006-p.proprio	h=22+4	158	Z	FT	glo	-13.347	-13.347	0.000	0.000
2206	S006-p.proprio	h=22+4	159	Z	FT	glo	-13.347	-13.347	0.000	0.000
2207	S006-p.proprio	h=22+4	160	Z	FT	glo	-13.347	-13.347	0.000	0.000
2208	S006-p.proprio	h=22+4	161	Z	FT	glo	-13.347	-13.347	0.000	0.000
2209	S006-p.proprio	h=22+4	162	Z	FT	glo	-13.347	-13.347	0.000	0.000
2210	S006-p.proprio	h=22+4	163	Z	FT	glo	-13.347	-13.347	0.000	0.000
2211	S006-p.proprio	h=22+4	164	Z	FT	glo	-13.347	-13.347	0.000	0.000
2212	S006-p.proprio	h=22+4	165	Z	FT	glo	-13.347	-13.347	0.000	0.000
2213	S006-p.proprio	h=22+4	166	Z	FT	glo	-9.693	-9.693	0.000	0.000
2214	S006-p.proprio	h=22+4	167	Z	FT	glo	-9.693	-9.693	0.000	0.000
2215	S006-p.proprio	h=22+4	168	Z	FT	glo	-9.693	-9.693	0.000	0.000
2216	S006-p.proprio	h=22+4	169	Z	FT	glo	-9.693	-9.693	0.000	0.000
2217	S006-p.proprio	h=22+4	170	Z	FT	glo	-9.693	-9.693	0.000	0.000
2218	S007-p.proprio	h=22+4	100	Z	FT	glo	-5.169	-5.169	0.000	0.000
2219	S007-p.proprio	h=22+4	101	Z	FT	glo	-5.169	-5.169	0.000	0.000
2220	S007-p.proprio	h=22+4	102	Z	FT	glo	-5.169	-5.169	0.000	0.000
2221	S007-p.proprio	h=22+4	103	Z	FT	glo	-5.169	-5.169	0.000	0.000
2222	S007-p.proprio	h=22+4	105	Z	FT	glo	-4.524	-4.524	0.000	0.000
2223	S007-p.proprio	h=22+4	106	Z	FT	glo	-4.524	-4.524	0.000	0.000
2224	S007-p.proprio	h=22+4	107	Z	FT	glo	-4.524	-4.524	0.000	0.000
2225	S007-p.proprio	h=22+4	108	Z	FT	glo	-8.823	-8.823	0.000	0.000
2226	S007-p.proprio	h=22+4	109	Z	FT	glo	-8.823	-8.823	0.000	0.000
2227	S007-p.proprio	h=22+4	110	Z	FT	glo	-8.823	-8.823	0.000	0.000
2228	S007-p.proprio	h=22+4	111	Z	FT	glo	-8.823	-8.823	0.000	0.000
2229	S007-p.proprio	h=22+4	112	Z	FT	glo	-8.823	-8.823	0.000	0.000
2230	S007-p.proprio	h=22+4	113	Z	FT	glo	-8.823	-8.823	0.000	0.000
2231	S007-p.proprio	h=22+4	114	Z	FT	glo	-8.823	-8.823	0.000	0.000
2232	S007-p.proprio	h=22+4	115	Z	FT	glo	-8.823	-8.823	0.000	0.000
2233	S007-p.proprio	h=22+4	171	Z	FT	glo	-13.347	-13.347	0.000	0.000
2234	S007-p.proprio	h=22+4	172	Z	FT	glo	-13.347	-13.347	0.000	0.000
2235	S007-p.proprio	h=22+4	173	Z	FT	glo	-13.347	-13.347	0.000	0.000
2236	S007-p.proprio	h=22+4	174	Z	FT	glo	-13.347	-13.347	0.000	0.000
2237	S007-p.proprio	h=22+4	175	Z	FT	glo	-13.347	-13.347	0.000	0.000
2238	S007-p.proprio	h=22+4	176	Z	FT	glo	-13.347	-13.347	0.000	0.000
2239	S007-p.proprio	h=22+4	177	Z	FT	glo	-13.347	-13.347	0.000	0.000
2240	S007-p.proprio	h=22+4	178	Z	FT	glo	-13.347	-13.347	0.000	0.000
2241	S007-p.proprio	h=22+4	179	Z	FT	glo	-13.347	-13.347	0.000	0.000
2242	S007-p.proprio	h=22+4	180	Z	FT	glo	-9.693	-9.693	0.000	0.000
2243	S007-p.proprio	h=22+4	181	Z	FT	glo	-9.693	-9.693	0.000	0.000
2244	S007-p.proprio	h=22+4	182	Z	FT	glo	-9.693	-9.693	0.000	0.000
2245	S007-p.proprio	h=22+4	183	Z	FT	glo	-9.693	-9.693	0.000	0.000
2246	S007-p.proprio	h=22+4	185	Z	FT	glo	-9.693	-9.693	0.000	0.000
2247	P_tetto_Est		109	Z	FD	glo	-5.630			
2248	P_tetto_Est		110	Z	FD	glo	-5.630			
2249	P_tetto_Est		108	Z	FD	glo	-5.630			
2250	P_tetto_Est		114	Z	FD	glo	-5.630			
2251	P_tetto_Est		115	Z	FD	glo	-5.630			
2252	P_tetto_Colmo		177	Z	FD	glo	-9.600			
2253	P_tetto_Colmo		178	Z	FD	glo	-9.600			
2254	P_tetto_Colmo		179	Z	FD	glo	-9.600			
2255	P_tetto_Colmo		173	Z	FD	glo	-9.600			
2256	P_tetto_Colmo		172	Z	FD	glo	-9.600			
2257	P_tetto_Colmo		171	Z	FD	glo	-9.600			
2258	P_tetto_Ovest		102	Z	FD	glo	-6.100			
2259	P_tetto_Ovest		103	Z	FD	glo	-6.100			
2260	P_tetto_Ovest		100	Z	FD	glo	-6.100			
2261	P_tetto_Ovest		101	Z	FD	glo	-6.100			
2262	P_tetto_centro		111	Z	FD	glo	-8.400			
2263	P_tetto_centro		112	Z	FD	glo	-8.400			
2264	P_tetto_centro		113	Z	FD	glo	-8.400			
2265	P_tetto_centro		105	Z	FD	glo	-8.400			
2266	P_tetto_centro		106	Z	FD	glo	-8.400			
2267	P_tetto_centro		107	Z	FD	glo	-8.400			
2268	Muro_perimetrale_01		72	Z	FD	glo	-10.000			
2269	Muro_perimetrale_01		73	Z	FD	glo	-10.000			
2270	Muro_perimetrale_01		74	Z	FD	glo	-10.000			
2271	Muro_perimetrale_01		75	Z	FD	glo	-10.000			
2272	Muro_perimetrale_01		76	Z	FD	glo	-10.000			
2273	Muro_perimetrale_01		77	Z	FD	glo	-10.000			
2274	Muro_perimetrale_01		78	Z	FD	glo	-10.000			
2275	Muro_perimetrale_01		79	Z	FD	glo	-10.000			
2276	Muro_perimetrale_01		87	Z	FD	glo	-10.000			
2277	Muro_perimetrale_01		89	Z	FD	glo	-10.000			

2278	Muro_perimetrale_01	88	Z	FD	glo	-10.000			
2279	Muro_perimetrale_01	83	Z	FD	glo	-10.000			
2280	Muro_perimetrale_01	84	Z	FD	glo	-10.000			
2281	Muro_perimetrale_01	116	Z	FD	glo	-10.000			
2282	Muro_perimetrale_01	82	Z	FD	glo	-10.000			
2283	Muro_perimetrale_01	81	Z	FD	glo	-10.000			
2284	Muro_perimetrale_01	80	Z	FD	glo	-10.000			
2285	Muro_perimetrale_01	117	Z	FD	glo	-10.000			
2286	Muro_perimetrale_01	85	Z	FD	glo	-10.000			
2287	Muro_perimetrale_01	86	Z	FD	glo	-10.000			
2288	Muro_perimetrale_01	90	Z	FD	glo	-10.000			
2289	Muro_perimetrale_01	91	Z	FD	glo	-10.000			
2290	Muro_perimetrale_01	92	Z	FD	glo	-10.000			
2291	Muro_perimetrale_01	118	Z	FD	glo	-10.000			
2292	Muro_perimetrale_01	119	Z	FD	glo	-10.000			
2293	Muro_perimetrale_01	120	Z	FD	glo	-10.000			
2294	Muro_perimetrale_01	121	Z	FD	glo	-10.000			
2295	Muro_perimetrale_01	122	Z	FD	glo	-10.000			
2296	Muro_perimetrale_01	123	Z	FD	glo	-10.000			
2297	Muro_perimetrale_01	124	Z	FD	glo	-10.000			
2298	Muro_perimetrale_01	125	Z	FD	glo	-10.000			
2299	Muro_perimetrale_01	126	Z	FD	glo	-10.000			
2300	Muro_perimetrale_01	127	Z	FD	glo	-10.000			
2301	Muro_perimetrale_01	128	Z	FD	glo	-10.000			
2302	Muro_perimetrale_01	139	Z	FD	glo	-10.000			
2303	Muro_perimetrale_01	141	Z	FD	glo	-10.000			
2304	Muro_perimetrale_01	131	Z	FD	glo	-10.000			
2305	Muro_perimetrale_01	133	Z	FD	glo	-10.000			
2306	Muro_perimetrale_01	135	Z	FD	glo	-10.000			
2307	Muro_perimetrale_01	138	Z	FD	glo	-10.000			
2308	Muro_perimetrale_01	137	Z	FD	glo	-10.000			
2309	Muro_perimetrale_01	136	Z	FD	glo	-10.000			
2310	Muro_perimetrale_01	134	Z	FD	glo	-10.000			
2311	Muro_perimetrale_01	132	Z	FD	glo	-10.000			
2312	Muro_perimetrale_01	130	Z	FD	glo	-10.000			
2313	Muro_perimetrale_01	140	Z	FD	glo	-10.000			
2314	Muro_interno	157	Z	FD	glo	-3.500			
2315	Muro_interno	158	Z	FD	glo	-3.500			
2316	Muro_interno	159	Z	FD	glo	-3.500			
2317	Muro_interno	160	Z	FD	glo	-3.500			
2318	Muro_interno	161	Z	FD	glo	-3.500			
2319	Muro_interno	162	Z	FD	glo	-3.500			
2320	Muro_interno	163	Z	FD	glo	-3.500			
2321	Muro_interno	164	Z	FD	glo	-3.500			
2322	Muro_interno	165	Z	FD	glo	-3.500			
2323	Muro_interno	166	Z	FD	glo	-3.500			
2324	Muro_interno	167	Z	FD	glo	-3.500			
2325	Muro_interno	168	Z	FD	glo	-3.500			
2326	Muro_interno	170	Z	FD	glo	-3.500			
2327	Muro_interno	169	Z	FD	glo	-3.500			
2328	Muro_interno	142	Z	FD	glo	-3.500			
2329	Muro_interno	143	Z	FD	glo	-3.500			
2330	Muro_interno	144	Z	FD	glo	-3.500			
2331	Muro_interno	145	Z	FD	glo	-3.500			
2332	Muro_interno	146	Z	FD	glo	-3.500			
2333	Muro_interno	147	Z	FD	glo	-3.500			
2334	Muro_interno	148	Z	FD	glo	-3.500			
2335	Muro_interno	149	Z	FD	glo	-3.500			
2336	Muro_interno	150	Z	FD	glo	-3.500			
2337	Muro_interno	151	Z	FD	glo	-3.500			
2338	Muro_interno	152	Z	FD	glo	-3.500			
2339	Muro_interno	153	Z	FD	glo	-3.500			
2340	Muro_interno	156	Z	FD	glo	-3.500			
2341	Muro_interno	154	Z	FD	glo	-3.500			
2342	S005-SottofondoPav_+	72	Z	FT	glo	-4.564	-4.564	0.000	0.000
2343	S005-SottofondoPav_+	73	Z	FT	glo	-4.564	-4.564	0.000	0.000
2344	S005-SottofondoPav_+	74	Z	FT	glo	-4.564	-4.564	0.000	0.000
2345	S005-SottofondoPav_+	75	Z	FT	glo	-4.564	-4.564	0.000	0.000
2346	S005-SottofondoPav_+	76	Z	FT	glo	-4.564	-4.564	0.000	0.000
2347	S005-SottofondoPav_+	77	Z	FT	glo	-4.564	-4.564	0.000	0.000
2348	S005-SottofondoPav_+	78	Z	FT	glo	-4.564	-4.564	0.000	0.000
2349	S005-SottofondoPav_+	79	Z	FT	glo	-4.564	-4.564	0.000	0.000
2350	S005-SottofondoPav_+	80	Z	FT	glo	-2.340	-2.340	0.000	0.000
2351	S005-SottofondoPav_+	81	Z	FT	glo	-2.340	-2.340	0.000	0.000
2352	S005-SottofondoPav_+	82	Z	FT	glo	-2.340	-2.340	0.000	0.000
2353	S005-SottofondoPav_+	83	Z	FT	glo	-2.674	-2.674	0.000	0.000
2354	S005-SottofondoPav_+	84	Z	FT	glo	-2.674	-2.674	0.000	0.000
2355	S005-SottofondoPav_+	85	Z	FT	glo	-2.674	-2.674	0.000	0.000
2356	S005-SottofondoPav_+	86	Z	FT	glo	-2.674	-2.674	0.000	0.000
2357	S005-SottofondoPav_+	142	Z	FT	glo	-6.904	-6.904	0.000	0.000
2358	S005-SottofondoPav_+	143	Z	FT	glo	-6.904	-6.904	0.000	0.000
2359	S005-SottofondoPav_+	144	Z	FT	glo	-6.904	-6.904	0.000	0.000
2360	S005-SottofondoPav_+	145	Z	FT	glo	-6.904	-6.904	0.000	0.000
2361	S005-SottofondoPav_+	146	Z	FT	glo	-6.904	-6.904	0.000	0.000
2362	S005-SottofondoPav_+	147	Z	FT	glo	-6.904	-6.904	0.000	0.000
2363	S005-SottofondoPav_+	148	Z	FT	glo	-6.904	-6.904	0.000	0.000
2364	S005-SottofondoPav_+	149	Z	FT	glo	-6.904	-6.904	0.000	0.000
2365	S005-SottofondoPav_+	150	Z	FT	glo	-6.904	-6.904	0.000	0.000
2366	S005-SottofondoPav_+	151	Z	FT	glo	-5.014	-5.014	0.000	0.000
2367	S005-SottofondoPav_+	152	Z	FT	glo	-5.014	-5.014	0.000	0.000
2368	S005-SottofondoPav_+	153	Z	FT	glo	-5.014	-5.014	0.000	0.000
2369	S005-SottofondoPav_+	154	Z	FT	glo	-5.014	-5.014	0.000	0.000
2370	S005-SottofondoPav_+	156	Z	FT	glo	-5.014	-5.014	0.000	0.000
2371	S006-SottofondoPav_+	118	Z	FT	glo	-4.564	-4.564	0.000	0.000

Progetto esecutivo

Relazione Tecnica e di Calcolo - Tabulati struttura in progetto

2466	S006-var_scuola	130	Z	FT	glo	-5.348	-5.348	0.000	0.000
2467	S006-var_scuola	131	Z	FT	glo	-5.348	-5.348	0.000	0.000
2468	S006-var_scuola	132	Z	FT	glo	-5.348	-5.348	0.000	0.000
2469	S006-var_scuola	133	Z	FT	glo	-5.348	-5.348	0.000	0.000
2470	S006-var_scuola	136	Z	FT	glo	-4.680	-4.680	0.000	0.000
2471	S006-var_scuola	137	Z	FT	glo	-4.680	-4.680	0.000	0.000
2472	S006-var_scuola	138	Z	FT	glo	-4.680	-4.680	0.000	0.000
2473	S006-var_scuola	157	Z	FT	glo	-13.807	-13.807	0.000	0.000
2474	S006-var_scuola	158	Z	FT	glo	-13.807	-13.807	0.000	0.000
2475	S006-var_scuola	159	Z	FT	glo	-13.807	-13.807	0.000	0.000
2476	S006-var_scuola	160	Z	FT	glo	-13.807	-13.807	0.000	0.000
2477	S006-var_scuola	161	Z	FT	glo	-13.807	-13.807	0.000	0.000
2478	S006-var_scuola	162	Z	FT	glo	-13.807	-13.807	0.000	0.000
2479	S006-var_scuola	163	Z	FT	glo	-13.807	-13.807	0.000	0.000
2480	S006-var_scuola	164	Z	FT	glo	-13.807	-13.807	0.000	0.000
2481	S006-var_scuola	165	Z	FT	glo	-13.807	-13.807	0.000	0.000
2482	S006-var_scuola	166	Z	FT	glo	-10.027	-10.027	0.000	0.000
2483	S006-var_scuola	167	Z	FT	glo	-10.027	-10.027	0.000	0.000
2484	S006-var_scuola	168	Z	FT	glo	-10.027	-10.027	0.000	0.000
2485	S006-var_scuola	169	Z	FT	glo	-10.027	-10.027	0.000	0.000
2486	S006-var_scuola	170	Z	FT	glo	-10.027	-10.027	0.000	0.000
2487	Neve_Est	109	Z	FD	glo	-5.630			
2488	Neve_Est	110	Z	FD	glo	-5.630			
2489	Neve_Est	108	Z	FD	glo	-5.630			
2490	Neve_Est	114	Z	FD	glo	-5.630			
2491	Neve_Est	115	Z	FD	glo	-5.630			
2492	Neve_Colmo	177	Z	FD	glo	-9.600			
2493	Neve_Colmo	178	Z	FD	glo	-9.600			
2494	Neve_Colmo	179	Z	FD	glo	-9.600			
2495	Neve_Colmo	173	Z	FD	glo	-9.600			
2496	Neve_Colmo	172	Z	FD	glo	-9.600			
2497	Neve_Colmo	171	Z	FD	glo	-9.600			
2498	Neve_Ovest	102	Z	FD	glo	-6.100			
2499	Neve_Ovest	103	Z	FD	glo	-6.100			
2500	Neve_Ovest	100	Z	FD	glo	-6.100			
2501	Neve_Ovest	101	Z	FD	glo	-6.100			
2502	Neve_centro	111	Z	FD	glo	-8.400			
2503	Neve_centro	112	Z	FD	glo	-8.400			
2504	Neve_centro	113	Z	FD	glo	-8.400			
2505	Neve_centro	105	Z	FD	glo	-8.400			
2506	Neve_centro	106	Z	FD	glo	-8.400			
2507	Neve_centro	107	Z	FD	glo	-8.400			
2508	Pp_scala_T_piano	250	Z	FD	glo	-5.400			
2509	Pp_scala_T_pianerott	256	Z	FD	glo	-9.000			
2510	Var_scala_T_piano	250	Z	FD	glo	-7.200			
2511	Var_scala_T_pianerot	256	Z	FD	glo	-12.000			
2512	Vento_X	5	X	A	2	0.00800			
2513	Vento_X	6	X	A	2	0.00800			
2514	Vento_X	18	X	A	2	0.00800			
2515	Vento_X	37	X	A	2	0.00800			
2516	Vento_X	38	X	A	2	0.00800			
2517	Vento_X	50	X	A	2	0.00800			
2518	Vento_X	68	X	A	2	0.00800			
2519	Vento_X	87	X	A	2	0.00800			
2520	Vento_X	89	X	A	2	0.00800			
2521	Vento_X	96	X	A	2	0.00800			
2522	Vento_X	98	X	A	2	0.00800			
2523	Vento_X	126	X	A	2	0.00800			
2524	Vento_X	127	X	A	2	0.00800			
2525	Vento_X	17	X	A	2	0.00800			
2526	Vento_X	49	X	A	2	0.00800			
2527	Vento_X	88	X	A	2	0.00800			
2528	Vento_X	128	X	A	2	0.00800			
2529	Vento_X	97	X	A	2	0.00800			
2530	Vento_Y	1	Y	A	2	0.00800			
2531	Vento_Y	2	Y	A	2	0.00800			
2532	Vento_Y	3	Y	A	2	0.00800			
2533	Vento_Y	4	Y	A	2	0.00800			
2534	Vento_Y	5	Y	A	2	0.00800			
2535	Vento_Y	29	Y	A	2	0.00800			
2536	Vento_Y	30	Y	A	2	0.00800			
2537	Vento_Y	31	Y	A	2	0.00800			
2538	Vento_Y	32	Y	A	2	0.00800			
2539	Vento_Y	33	Y	A	2	0.00800			
2540	Vento_Y	34	Y	A	2	0.00800			
2541	Vento_Y	35	Y	A	2	0.00800			
2542	Vento_Y	36	Y	A	2	0.00800			
2543	Vento_Y	37	Y	A	2	0.00800			
2544	Vento_Y	61	Y	A	2	0.00800			
2545	Vento_Y	62	Y	A	2	0.00800			
2546	Vento_Y	63	Y	A	2	0.00800			
2547	Vento_Y	64	Y	A	2	0.00800			
2548	Vento_Y	72	Y	A	2	0.00800			
2549	Vento_Y	73	Y	A	2	0.00800			
2550	Vento_Y	74	Y	A	2	0.00800			
2551	Vento_Y	75	Y	A	2	0.00800			
2552	Vento_Y	76	Y	A	2	0.00800			
2553	Vento_Y	77	Y	A	2	0.00800			
2554	Vento_Y	78	Y	A	2	0.00800			
2555	Vento_Y	79	Y	A	2	0.00800			
2556	Vento_Y	108	Y	A	2	0.00800			
2557	Vento_Y	109	Y	A	2	0.00800			
2558	Vento_Y	110	Y	A	2	0.00800			
2559	Vento_Y	111	Y	A	2	0.00800			

2560	Vento_Y	112	Y	A	2	0.00800
2561	Vento_Y	113	Y	A	2	0.00800
2562	Vento_Y	114	Y	A	2	0.00800
2563	Vento_Y	115	Y	A	2	0.00800
2564	Vento_Y	118	Y	A	2	0.00800
2565	Vento_Y	119	Y	A	2	0.00800
2566	Vento_Y	120	Y	A	2	0.00800
2567	Vento_Y	121	Y	A	2	0.00800
2568	Vento_Y	122	Y	A	2	0.00800
2569	Vento_Y	123	Y	A	2	0.00800
2570	Vento_Y	124	Y	A	2	0.00800
2571	Vento_Y	125	Y	A	2	0.00800

PESI PROPRI ASTE--|-----|-----|-----|-----|-----|
 Cond. Nome Carichi Aste
 1 2572-2819 1-128, 130-154, 156-183, 185-234, 236-247, 249-250, 252, 254, 256

CARICHI DI LINEA |-----|-----|-----|-----|num.= 0
 numero coordinata
 Nome inizio fine Cond. Direz. intensità fine Descrizione

CONDIZIONI DI CARICO-----|-----|-----|-----|num.= 32
 Nome

- 1 Peso_proprio_____ N. carichi: 248
 Lista carichi: 2572-2819
- 2 Pp_solai N. carichi: 87
 Lista carichi: 2160-2246
- 3 Perm_tetto N. carichi: 21
 Lista carichi: 2247-2267
- 4 Muri_perimetrali N. carichi: 46
 Lista carichi: 2268-2313
- 5 Muri_interni N. carichi: 28
 Lista carichi: 2314-2341
- 6 Sottofondi N. carichi: 87
 Lista carichi: 2342-2428
- 7 C1_Var_scuola N. carichi: 58
 Lista carichi: 2429-2486
- 8 Neve N. carichi: 21
 Lista carichi: 2487-2507
- 9 Pp_scala N. carichi: 2
 Lista carichi: 2508-2509
- 10 Var_scala N. carichi: 2
 Lista carichi: 2510-2511
- 11 Vento_X N. carichi: 18
 Lista carichi: 2512-2529
- 12 Vento_Y N. carichi: 42
 Lista carichi: 2530-2571
- 13 Autovett_001_(X) N. carichi: 30
 Lista carichi: 1-30
- 14 Autovett_001_(Y) N. carichi: 137
 Lista carichi: 31-157, 1501, 1513, 1525, 1537, 1549, 1562, 1575, 1588, 1600, 1613
- 15 Autovett_002_(X) N. carichi: 99
 Lista carichi: 158-246, 1502, 1514, 1526, 1538, 1550, 1563, 1576, 1589, 1601, 1614
- 16 Autovett_002_(Y) N. carichi: 135
 Lista carichi: 247-371, 1503, 1515, 1527, 1539, 1551, 1564, 1577, 1590, 1602, 1615
- 17 Autovett_003_(X) N. carichi: 139
 Lista carichi: 372-500, 1504, 1516, 1528, 1540, 1552, 1565, 1578, 1591, 1603, 1616
- 18 Autovett_003_(Y) N. carichi: 3
 Lista carichi: 501-503
- 19 Autovett_004_(X) N. carichi: 93
 Lista carichi: 504-586, 1505, 1517, 1529, 1541, 1553, 1566, 1579, 1592, 1604, 1617
- 20 Autovett_004_(Y) N. carichi: 137
 Lista carichi: 587-713, 1506, 1518, 1530, 1542, 1554, 1567, 1580, 1593, 1605, 1618
- 21 Autovett_005_(X) N. carichi: 136
 Lista carichi: 714-839, 1507, 1519, 1531, 1543, 1555, 1568, 1581, 1594, 1606, 1619
- 22 Autovett_016_(X) N. carichi: 139
 Lista carichi: 840-968, 1508, 1520, 1532, 1544, 1556, 1569, 1582, 1595, 1607, 1620
- 23 Autovett_016_(Y) N. carichi: 87
 Lista carichi: 969-1046, 1509, 1521, 1533, 1545, 1557, 1570, 1583, 1608, 1621
- 24 Autovett_018_(X) N. carichi: 60

Lista carichi: 1047-1100, 1558, 1571, 1584, 1596, 1609, 1622

25 Autovett_018_(Y) N. carichi: 139
Lista carichi: 1101-1229, 1510, 1522, 1534, 1546, 1559, 1572, 1585, 1597, 1610, 1623

26 Autovett_030_(X) N. carichi: 134
Lista carichi: 1230-1353, 1511, 1523, 1535, 1547, 1560, 1573, 1586, 1598, 1611, 1624

27 Autovett_030_(Y) N. carichi: 19
Lista carichi: 1354-1372

28 Autovett_031_(Y) N. carichi: 138
Lista carichi: 1373-1500, 1512, 1524, 1536, 1548, 1561, 1574, 1587, 1599, 1612, 1625

29 Sisma_X N. carichi: 144
Lista carichi: 1626-1769

30 Sisma_Y N. carichi: 144
Lista carichi: 1770-1913

31 Torcente_add._X N. carichi: 104
Lista carichi: 1914-2017

32 Torcente_add._Y N. carichi: 142
Lista carichi: 2018-2159

RISULTANTI DEI CARICHI (punto di applicazione nell'origine degli assi):

cond.	FX	FY	FZ	MX	MY	MZ
1	0.000000E+00	0.000000E+00	-3.090367E+05	-2.307963E+08	4.569278E+08	0.000000E+00
2	0.000000E+00	0.000000E+00	-2.694850E+05	-2.185964E+08	3.958952E+08	0.000000E+00
3	0.000000E+00	0.000000E+00	-5.305298E+04	-4.336743E+07	7.791401E+07	0.000000E+00
4	0.000000E+00	0.000000E+00	-1.729400E+05	-1.317963E+08	2.535827E+08	0.000000E+00
5	0.000000E+00	0.000000E+00	-3.103100E+04	-2.073881E+07	4.563411E+07	0.000000E+00
6	0.000000E+00	0.000000E+00	-1.393886E+05	-1.130670E+08	2.047731E+08	0.000000E+00
7	0.000000E+00	0.000000E+00	-1.858515E+05	-1.507559E+08	2.730307E+08	0.000000E+00
8	0.000000E+00	0.000000E+00	-5.305298E+04	-4.336743E+07	7.791401E+07	0.000000E+00
9	0.000000E+00	0.000000E+00	-4.492800E+03	-2.852928E+06	1.829131E+06	0.000000E+00
10	0.000000E+00	0.000000E+00	-5.990400E+03	-3.803904E+06	2.438842E+06	0.000000E+00
11	8.581467E+03	0.000000E+00	0.000000E+00	0.000000E+00	3.558985E+06	-6.568710E+06
12	0.000000E+00	8.581445E+03	0.000000E+00	-3.184431E+06	0.000000E+00	1.051227E+06
13	3.830000E+00	0.000000E+00	0.000000E+00	0.000000E+00	2.159000E+03	-2.326755E+03
14	0.000000E+00	1.048281E+05	0.000000E+00	-5.258901E+07	0.000000E+00	1.515639E+08
15	1.776000E+01	0.000000E+00	0.000000E+00	0.000000E+00	8.383000E+03	-6.141961E+04
16	0.000000E+00	1.499810E+04	0.000000E+00	-6.474560E+06	0.000000E+00	3.196279E+07
17	1.492710E+05	0.000000E+00	0.000000E+00	0.000000E+00	7.146915E+07	-1.180644E+08
18	0.000000E+00	-4.800000E-01	0.000000E+00	4.800000E+02	0.000000E+00	-1.089825E+03
19	5.135000E+01	0.000000E+00	0.000000E+00	0.000000E+00	2.527020E+04	-7.838390E+04
20	0.000000E+00	5.138385E+04	0.000000E+00	-1.905301E+07	0.000000E+00	6.762054E+07
21	1.667685E+04	0.000000E+00	0.000000E+00	0.000000E+00	5.815859E+06	-1.318066E+07
22	3.491050E+04	0.000000E+00	0.000000E+00	0.000000E+00	-2.630094E+05	-2.787346E+07
23	0.000000E+00	1.337000E+01	0.000000E+00	4.472000E+02	0.000000E+00	5.229200E+04
24	6.040000E+00	0.000000E+00	0.000000E+00	0.000000E+00	1.228000E+02	-2.255110E+03
25	0.000000E+00	3.012626E+04	0.000000E+00	6.344765E+05	0.000000E+00	4.393335E+07
26	2.288333E+04	0.000000E+00	0.000000E+00	0.000000E+00	-1.534156E+06	-1.833454E+07
27	0.000000E+00	1.080000E+00	0.000000E+00	0.000000E+00	0.000000E+00	3.272180E+03
28	0.000000E+00	2.712586E+04	0.000000E+00	2.031883E+06	0.000000E+00	4.101844E+07
29	2.400934E+05	0.000000E+00	0.000000E+00	0.000000E+00	1.194213E+08	-1.888145E+08
30	0.000000E+00	2.400934E+05	0.000000E+00	-1.194213E+08	0.000000E+00	3.523945E+08
31	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	-1.489825E+07
32	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	3.213945E+07

DATI ANALISI SISMICA:

ANALISI DINAMICA

lavoro : \21_15B

PARAMETRI DI CALCOLO:

Modello generale

Assi di vibrazione: X Y

Combinazione quadratica completa (CQC)

DATI PROGETTO

Edificio sito in località MURELLO (long. 7.601 lat. 44.751500)

Categoria del suolo di fondazione = C

Coeff. di amplificazione stratigrafica $S_s = 1.500$ Coeff. di amplificazione topografica $S_T = 1.000$ $S = 1.500$

Vita nominale dell'opera VN = 50 anni

Coefficiente d'uso CU = 1.5

Periodo di riferimento VR = 75.0

PVR : probabilità di superamento in VR = 10 %

Tempo di ritorno = 711

Coeff. di smorzamento viscoso = 5.0

Valori risultanti per :

ag 0.927 [g/10]

Fo 2.629

TC* 0.280

Fattore di comportamento q = 1.500

Rapporto spettro di esercizio / spettro di progetto = 0.678

CONDIZIONI DI RIFERIMENTO	COEFFICIENTE	PESO RISULTANTE [daN]
1.	1.000	309036.7
2.	1.000	269485.0
3.	1.000	53053.0
4.	1.000	172940.0
5.	1.000	31031.0
6.	1.000	139388.6
7.	0.600	111510.9
9.	1.000	4492.8
10.	0.600	3594.2

*** TABELLA AUTOVETTORI ***

n	PERIODO [sec]	MASSA ATTIVATA			COEFFICIENTI DI CORRELAZIONE							
		%X	%Y	%Z	n+1	n+2	n+3	n+4	n+5	n+6	n+7	
1	0.381867	0.003	36.911	0.000	0.383	0.209	0.143	0.047	0.001	0.001	0.000	0.000
2	0.336481	0.006	5.214	0.000	0.690	0.424	0.090	0.001	0.001	0.000	0.000	
3	0.314702	52.307	0.000	0.000	0.804	0.139	0.001	0.001	0.000	0.000		
4	0.299550	0.018	17.615	0.000	0.202	0.002	0.001	0.000	0.000			
5	0.245783	5.692	0.000	0.000	0.002	0.002	0.000	0.000				
16	0.048525	14.103	0.006	0.000	0.855	0.008	0.007					
18	0.046569	0.003	12.171	0.000	0.008	0.007						
30	0.017362	15.475	0.000	0.000	0.746							
31	0.016378	0.000	18.707	0.000								
MASSA TOTALE		87.606	90.625	0.000								

DESCRIZIONE CASI DI CARICO:

NOME	DESCRIZIONE	VERIFICA	TIPO	CONDIZ. INSERITE			CASI INSERITI	
				Num.	Coeff.	Segno	Num.	Coeff.
1	SLU	S.L.U.	somma	1	1.300	+		
				2	1.300	+		
				3	1.500	+		
				4	1.500	+		
				5	1.500	+		
				6	1.500	+		
				7	1.500	+		
				8	1.500	+		
				9	1.300	+		
				10	1.500	+		
2	SLU VENTOX	S.L.U.	somma	1	1.300	+		
				2	1.300	+		
				3	1.500	+		
				4	1.500	+		
				5	1.500	+		
				6	1.500	+		
				7	1.500	+		
				8	1.500	+		
				9	1.300	+		
				10	1.500	+		
				11	1.500	±		
3	SLU VENTOY	S.L.U.	somma	1	1.300	+		
				2	1.300	+		
				3	1.500	+		
				4	1.500	+		
				5	1.500	+		
				6	1.500	+		
				7	1.500	+		
				8	1.500	+		
				9	1.300	+		
				10	1.500	+		
				12	1.500	±		
4	SISMAX SLU	nessuna	somma	13	1.000	quadr.		
				15	1.000	quadr.		
				17	1.000	quadr.		
				19	1.000	quadr.		
				21	1.000	quadr.		
				22	1.000	quadr.		
				24	1.000	quadr.		
				26	1.000	quadr.		
				31	2.000	±		
5	SISMAY SLU	nessuna	somma	14	1.000	quadr.		
				16	1.000	quadr.		
				18	1.000	quadr.		
				20	1.000	quadr.		
				23	1.000	quadr.		
				25	1.000	quadr.		
				27	1.000	quadr.		
				28	1.000	quadr.		
				32	2.000	±		
6	SLU con SISMAX PRINC	S.L.U.	somma	1	1.000	+	4	1.000
				2	1.000	+	5	0.300
				3	1.000	+		
				4	1.000	+		
				5	1.000	+		
				6	1.000	+		
				7	0.600	+		
				9	1.000	+		
				10	0.600	+		
7	SLU con SISMAY PRINC	S.L.U.	somma	1	1.000	+	5	1.000
				2	1.000	+	4	0.300
				3	1.000	+		
				4	1.000	+		
				5	1.000	+		
				6	1.000	+		
				7	0.600	+		
				9	1.000	+		
				10	0.600	+		
8	SLD con SISMAX PRINC	S.L.Danno	somma	1	1.000	+	4	0.678
				2	1.000	+	5	0.203
				3	1.000	+		
				4	1.000	+		
				5	1.000	+		
				6	1.000	+		
				7	0.600	+		
				9	1.000	+		
				10	0.600	+		
9	SLD con SISMAY PRINC	S.L.Danno	somma	1	1.000	+	5	0.678

				2	1.000	+	4	0.203
				3	1.000	+		
				4	1.000	+		
				5	1.000	+		
				6	1.000	+		
				7	0.600	+		
				9	1.000	+		
				10	0.600	+		
10	SLU FON con SISMAX P	SLU_FON	somma	1	1.000	+	4	1.100
				2	1.000	+	5	0.330
				3	1.000	+		
				4	1.000	+		
				5	1.000	+		
				6	1.000	+		
				7	0.600	+		
				9	1.000	+		
				10	0.600	+		
11	SLU FON con SISMAX P	SLU_FON	somma	1	1.000	+	5	1.100
				2	1.000	+	4	0.330
				3	1.000	+		
				4	1.000	+		
				5	1.000	+		
				6	1.000	+		
				7	0.600	+		
				9	1.000	+		
				10	0.600	+		
12	Rara	Rara	somma	1	1.000	+		
				2	1.000	+		
				3	1.000	+		
				4	1.000	+		
				5	1.000	+		
				6	1.000	+		
				7	1.000	+		
				8	1.000	+		
				9	1.000	+		
				10	1.000	+		
13	Rara VentoX	Rara	somma	1	1.000	+		
				2	1.000	+		
				3	1.000	+		
				4	1.000	+		
				5	1.000	+		
				6	1.000	+		
				7	1.000	+		
				8	1.000	+		
				9	1.000	+		
				10	1.000	+		
				11	1.000	±		
14	Rara VentoY	Rara	somma	1	1.000	+		
				2	1.000	+		
				3	1.000	+		
				4	1.000	+		
				5	1.000	+		
				6	1.000	+		
				7	1.000	+		
				8	1.000	+		
				9	1.000	+		
				10	1.000	+		
				12	1.000	±		
15	Frequente	Freq.	somma	1	1.000	+		
				2	1.000	+		
				3	1.000	+		
				4	1.000	+		
				5	1.000	+		
				6	1.000	+		
				7	0.700	+		
				8	0.200	+		
				9	1.000	+		
				10	0.700	+		
16	Frequente VentoX	Freq.	somma	1	1.000	+		
				2	1.000	+		
				3	1.000	+		
				4	1.000	+		
				5	1.000	+		
				6	1.000	+		
				7	0.700	+		
				8	0.200	+		
				9	1.000	+		
				10	0.700	+		
				11	0.200	±		
17	Frequente VentoY	Freq.	somma	1	1.000	+		
				2	1.000	+		
				3	1.000	+		
				4	1.000	+		
				5	1.000	+		
				6	1.000	+		

				7	0.700	+		
				8	0.200	+		
				9	1.000	+		
				10	0.700	+		
				12	0.200	±		
18	Quasi Perm	QuasiPerm.	somma	1	1.000	+		
				2	1.000	+		
				3	1.000	+		
				4	1.000	+		
				5	1.000	+		
				6	1.000	+		
				7	0.600	+		
				9	1.000	+		
				10	0.600	+		

SOLLECITAZIONI ASTE:

SOLLECITAZIONI ASTE

CASO DI CARICO : 1 SLU

COMBINAZIONE

N. 10 CONDIZIONI ANALISI STATICA

1	Peso_proprio	+	1.30
2	Pp_solai	+	1.30
3	Perm_tetto	+	1.50
4	Muri_perimetrali	+	1.50
5	Muri_interni	+	1.50
6	Sottofondi	+	1.50
7	Cl_var_scuola	+	1.50
8	Neve	+	1.50
9	Pp_scala	+	1.30
10	Var_scala	+	1.50

1)	+1.30*c001	+1.30*c002	+1.50*c003	+1.50*c004	+1.50*c005
)	+1.50*c006	+1.50*c007	+1.50*c008	+1.30*c009	+1.50*c010

Unità di misura: Prog e frecce [cm]; NORM, TYY, TZZ [daN]

MZZ, MY, TORS [daNcm]

Asta	1	nod	1	2		
PROGR.	NORM	TY	TZZ	TORS	MY	MZZ
0.	-26162.4	-457.1	360.6	19.9	51022.6	65126.1
43.	-25993.2	-457.1	360.6	19.9	35697.3	45701.2
85.	-25824.0	-457.1	360.6	19.9	20371.9	26276.3
128.	-25654.8	-457.1	360.6	19.9	5046.5	6851.4
170.	-25485.6	-457.1	360.6	19.9	-10278.8	-12573.5
213.	-25316.4	-457.1	360.6	19.9	-25604.2	-31998.3
255.	-25147.2	-457.1	360.6	19.9	-40929.6	-51423.2
298.	-24977.9	-457.1	360.6	19.9	-56254.9	-70848.1
340.	-24808.7	-457.1	360.6	19.9	-71580.3	-90273.0

Asta	2	nod	3	4		
PROGR.	NORM	TY	TZZ	TORS	MY	MZZ
0.	-37541.2	27.2	74.3	-1.2	7539.7	-2129.1
43.	-37372.0	27.2	74.3	-1.2	4383.1	-975.1
85.	-37202.8	27.2	74.3	-1.2	1226.6	178.9
128.	-37033.6	27.2	74.3	-1.2	-1930.0	1332.9
170.	-36864.4	27.2	74.3	-1.2	-5086.6	2486.9
213.	-36695.2	27.2	74.3	-1.2	-8243.2	3640.9
255.	-36526.0	27.2	74.3	-1.2	-11399.8	4794.9
298.	-36356.8	27.2	74.3	-1.2	-14556.3	5948.8
340.	-36187.6	27.2	74.3	-1.2	-17712.9	7102.8

Asta	3	nod	5	6		
PROGR.	NORM	TY	TZZ	TORS	MY	MZZ
0.	-16693.5	-16.9	164.3	1.6	18827.0	2073.4
43.	-16524.3	-16.9	164.3	1.6	11842.3	1354.6
85.	-16355.1	-16.9	164.3	1.6	4857.6	635.8
128.	-16185.9	-16.9	164.3	1.6	-2127.0	-83.1
170.	-16016.6	-16.9	164.3	1.6	-9111.7	-801.9
213.	-15847.4	-16.9	164.3	1.6	-16096.3	-1520.7
255.	-15678.2	-16.9	164.3	1.6	-23081.0	-2239.6
298.	-15509.0	-16.9	164.3	1.6	-30065.6	-2958.4
340.	-15339.8	-16.9	164.3	1.6	-37050.3	-3677.2

Asta	4	nod	7	8		
PROGR.	NORM	TY	TZZ	TORS	MY	MZZ
0.	-35162.2	315.8	48.5	-44.8	4213.4	-46055.9
43.	-34993.0	315.8	48.5	-44.8	2151.0	-32634.9
85.	-34823.8	315.8	48.5	-44.8	88.6	-19213.8
128.	-34654.6	315.8	48.5	-44.8	-1973.8	-5792.7
170.	-34485.4	315.8	48.5	-44.8	-4036.2	7628.3
213.	-34316.2	315.8	48.5	-44.8	-6098.6	21049.4
255.	-34147.0	315.8	48.5	-44.8	-8161.0	34470.5
298.	-33977.8	315.8	48.5	-44.8	-10223.4	47891.5
340.	-33808.5	315.8	48.5	-44.8	-12285.9	61312.6

Asta	5	nod	9	10		
PROGR.	NORM	TY	TZZ	TORS	MY	MZZ
0.	-19126.9	325.7	394.2	-59.2	57208.7	-48004.6
43.	-18957.7	325.7	394.2	-59.2	40457.2	-34164.1
85.	-18788.5	325.7	394.2	-59.2	23705.8	-20323.7
128.	-18619.3	325.7	394.2	-59.2	6954.4	-6483.2
170.	-18450.1	325.7	394.2	-59.2	-9797.1	7357.3
213.	-18280.9	325.7	394.2	-59.2	-26548.5	21197.8
255.	-18111.7	325.7	394.2	-59.2	-43299.9	35038.3
298.	-17942.5	325.7	394.2	-59.2	-60051.3	48878.7
340.	-17773.3	325.7	394.2	-59.2	-76802.8	62719.2

Asta	6	nod	11	12		
PROGR.	NORM	TY	TZZ	TORS	MY	MZZ
0.	-22444.3	723.0	-142.3	229.8	-21055.7	-109371.0
43.	-22275.1	723.0	-142.3	229.8	-15008.2	-78644.5
85.	-22105.9	723.0	-142.3	229.8	-8960.7	-47918.0
128.	-21936.7	723.0	-142.3	229.8	-2913.2	-17191.5
170.	-21767.5	723.0	-142.3	229.8	3134.4	13535.0
213.	-21598.3	723.0	-142.3	229.8	9181.9	44261.6
255.	-21429.1	723.0	-142.3	229.8	15229.4	74988.1
298.	-21259.9	723.0	-142.3	229.8	21276.9	105714.6
340.	-21090.7	723.0	-142.3	229.8	27324.4	136441.1

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Asta	7	odi	13	14		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-31407.5	709.8	-39.1	-85.6	-5051.8	-112764.5
43.	-31238.3	709.8	-39.1	-85.6	-3388.9	-82597.1
85.	-31069.1	709.8	-39.1	-85.6	-1726.0	-52429.8
128.	-30899.8	709.8	-39.1	-85.6	-63.1	-22262.4
170.	-30730.6	709.8	-39.1	-85.6	1599.9	7904.9
213.	-30561.4	709.8	-39.1	-85.6	3262.8	38072.3
255.	-30392.2	709.8	-39.1	-85.6	4925.7	68239.6
298.	-30223.0	709.8	-39.1	-85.6	6588.6	98407.0
340.	-30053.8	709.8	-39.1	-85.6	8251.5	128574.3
Asta	8	odi	15	16		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-40655.5	296.9	-12.8	-19.4	-1817.8	-46734.7
43.	-40486.3	296.9	-12.8	-19.4	-1274.2	-34117.8
85.	-40317.1	296.9	-12.8	-19.4	-730.5	-21500.8
128.	-40147.9	296.9	-12.8	-19.4	-186.8	-8883.9
170.	-39978.7	296.9	-12.8	-19.4	356.9	3733.1
213.	-39809.5	296.9	-12.8	-19.4	900.5	16350.0
255.	-39640.3	296.9	-12.8	-19.4	1444.2	28967.0
298.	-39471.1	296.9	-12.8	-19.4	1987.9	41583.9
340.	-39301.9	296.9	-12.8	-19.4	2531.6	54200.9
Asta	9	odi	17	18		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-39422.8	-115.3	-5.2	-27.8	-1125.0	17125.0
43.	-39253.6	-115.3	-5.2	-27.8	-904.9	12224.8
85.	-39084.4	-115.3	-5.2	-27.8	-684.9	7324.6
128.	-38915.2	-115.3	-5.2	-27.8	-464.8	2424.3
170.	-38746.0	-115.3	-5.2	-27.8	-244.7	-2475.9
213.	-38576.8	-115.3	-5.2	-27.8	-24.6	-7376.1
255.	-38407.6	-115.3	-5.2	-27.8	195.5	-12276.3
298.	-38238.4	-115.3	-5.2	-27.8	415.6	-17176.5
340.	-38069.2	-115.3	-5.2	-27.8	635.6	-22076.8
Asta	10	odi	19	20		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-32853.0	-90.9	-4.2	-20.1	-1111.5	13833.8
43.	-32683.8	-90.9	-4.2	-20.1	-931.3	9968.7
85.	-32514.6	-90.9	-4.2	-20.1	-751.2	6103.6
128.	-32345.4	-90.9	-4.2	-20.1	-571.1	2238.4
170.	-32176.2	-90.9	-4.2	-20.1	-390.9	-1626.7
213.	-32007.0	-90.9	-4.2	-20.1	-210.8	-5491.8
255.	-31837.8	-90.9	-4.2	-20.1	-30.7	-9356.9
298.	-31668.6	-90.9	-4.2	-20.1	149.4	-13222.1
340.	-31499.4	-90.9	-4.2	-20.1	329.6	-17087.2
Asta	11	odi	21	22		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-32719.9	91.7	-8.7	-9.5	-1868.4	-14194.9
43.	-32550.7	91.7	-8.7	-9.5	-1500.5	-10297.6
85.	-32381.5	91.7	-8.7	-9.5	-1132.6	-6400.2
128.	-32212.3	91.7	-8.7	-9.5	-764.8	-2502.9
170.	-32043.1	91.7	-8.7	-9.5	-396.9	1394.4
213.	-31873.9	91.7	-8.7	-9.5	-29.0	5291.8
255.	-31704.7	91.7	-8.7	-9.5	338.8	9189.1
298.	-31535.5	91.7	-8.7	-9.5	706.7	13086.4
340.	-31366.3	91.7	-8.7	-9.5	1074.6	16983.8
Asta	12	odi	23	24		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-39960.1	203.7	-31.3	2.8	-6348.1	-30893.7
43.	-39790.9	203.7	-31.3	2.8	-5018.8	-22235.0
85.	-39621.7	203.7	-31.3	2.8	-3689.4	-13576.4
128.	-39452.5	203.7	-31.3	2.8	-2360.1	-4917.7
170.	-39283.3	203.7	-31.3	2.8	-1030.8	3741.0
213.	-39114.1	203.7	-31.3	2.8	298.6	12399.6
255.	-38944.9	203.7	-31.3	2.8	1627.9	21058.3
298.	-38775.7	203.7	-31.3	2.8	2957.2	29717.0
340.	-38606.5	203.7	-31.3	2.8	4286.5	38375.6
Asta	13	odi	25	26		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-46606.8	-38.7	-145.1	4.2	-32362.4	5010.6
43.	-46437.6	-38.7	-145.1	4.2	-26193.9	3366.0
85.	-46268.4	-38.7	-145.1	4.2	-20025.4	1721.5
128.	-46099.2	-38.7	-145.1	4.2	-13856.9	77.0
170.	-45930.0	-38.7	-145.1	4.2	-7688.4	-1567.6
213.	-45760.8	-38.7	-145.1	4.2	-1519.9	-3212.1
255.	-45591.6	-38.7	-145.1	4.2	4648.7	-4856.6
298.	-45422.4	-38.7	-145.1	4.2	10817.2	-6501.2
340.	-45253.2	-38.7	-145.1	4.2	16985.7	-8145.7
Asta	14	odi	27	28		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-27869.6	179.7	-359.6	43.8	-42983.9	-39568.5
43.	-27700.4	179.7	-359.6	43.8	-27702.8	-31930.0
85.	-27531.2	179.7	-359.6	43.8	-12421.8	-24291.6
128.	-27362.0	179.7	-359.6	43.8	2859.3	-16653.1
170.	-27192.8	179.7	-359.6	43.8	18140.4	-9014.7
213.	-27023.6	179.7	-359.6	43.8	33421.5	-1376.2
255.	-26854.4	179.7	-359.6	43.8	48702.5	6262.2

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298.	-26685.2	179.7	-359.6	43.8	63983.6	13900.6
340.	-26516.0	179.7	-359.6	43.8	79264.7	21539.1
Asta	15	nodì	29	30		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-32449.8	421.0	-17.5	-51.5	133.0	-61199.2
43.	-32280.6	421.0	-17.5	-51.5	875.7	-43305.9
85.	-32111.4	421.0	-17.5	-51.5	1618.3	-25412.6
128.	-31942.2	421.0	-17.5	-51.5	2361.0	-7519.4
170.	-31773.0	421.0	-17.5	-51.5	3103.6	10373.9
213.	-31603.8	421.0	-17.5	-51.5	3846.2	28267.2
255.	-31434.6	421.0	-17.5	-51.5	4588.9	46160.4
298.	-31265.4	421.0	-17.5	-51.5	5331.5	64053.7
340.	-31096.2	421.0	-17.5	-51.5	6074.2	81947.0
Asta	16	nodì	31	32		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-34885.4	-606.1	36.3	-2.6	4778.6	89911.8
43.	-34716.2	-606.1	36.3	-2.6	3235.3	64151.7
85.	-34547.0	-606.1	36.3	-2.6	1692.1	38391.6
128.	-34377.8	-606.1	36.3	-2.6	148.8	12631.6
170.	-34208.6	-606.1	36.3	-2.6	-1394.4	-13128.5
213.	-34039.4	-606.1	36.3	-2.6	-2937.7	-38888.6
255.	-33870.2	-606.1	36.3	-2.6	-4480.9	-64648.7
298.	-33701.0	-606.1	36.3	-2.6	-6024.1	-90408.8
340.	-33531.8	-606.1	36.3	-2.6	-7567.4	-116168.9
Asta	17	nodì	104	110		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-24839.3	1281.7	99.1	-732.7	13483.2	-192117.8
43.	-24670.1	1281.7	99.1	-732.7	9272.6	-137644.3
85.	-24500.9	1281.7	99.1	-732.7	5062.1	-83170.7
128.	-24331.7	1281.7	99.1	-732.7	851.6	-28697.2
170.	-24162.5	1281.7	99.1	-732.7	-3358.9	25776.4
213.	-23993.3	1281.7	99.1	-732.7	-7569.4	80249.9
255.	-23824.1	1281.7	99.1	-732.7	-11780.0	134723.5
298.	-23654.9	1281.7	99.1	-732.7	-15990.5	189197.1
340.	-23485.7	1281.7	99.1	-732.7	-20201.0	243670.6
Asta	18	nodì	35	36		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-19167.9	434.0	-159.1	-68.1	-21314.4	-62779.1
43.	-18998.6	434.0	-159.1	-68.1	-14550.7	-44334.4
85.	-18829.4	434.0	-159.1	-68.1	-7787.0	-25889.6
128.	-18660.2	434.0	-159.1	-68.1	-1023.2	-7444.9
170.	-18491.0	434.0	-159.1	-68.1	5740.5	10999.9
213.	-18321.8	434.0	-159.1	-68.1	12504.2	29444.6
255.	-18152.6	434.0	-159.1	-68.1	19267.9	47889.4
298.	-17983.4	434.0	-159.1	-68.1	26031.7	66334.1
340.	-17814.2	434.0	-159.1	-68.1	32795.4	84778.9
Asta	19	nodì	37	38		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-34094.2	125.6	-57.7	54.8	-7137.0	-18145.9
43.	-33925.0	125.6	-57.7	54.8	-4683.5	-12808.6
85.	-33755.8	125.6	-57.7	54.8	-2230.1	-7471.2
128.	-33586.6	125.6	-57.7	54.8	223.4	-2133.9
170.	-33417.4	125.6	-57.7	54.8	2676.8	3203.4
213.	-33248.2	125.6	-57.7	54.8	5130.3	8540.7
255.	-33079.0	125.6	-57.7	54.8	7583.7	13878.0
298.	-32909.8	125.6	-57.7	54.8	10037.2	19215.3
340.	-32740.6	125.6	-57.7	54.8	12490.6	24552.6
Asta	20	nodì	39	40		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-20792.1	-505.8	-270.8	-50.3	-38854.8	73295.9
43.	-20622.9	-505.8	-270.8	-50.3	-27344.5	51798.5
85.	-20453.7	-505.8	-270.8	-50.3	-15834.2	30301.1
128.	-20284.5	-505.8	-270.8	-50.3	-4323.8	8803.8
170.	-20115.3	-505.8	-270.8	-50.3	7186.5	-12693.6
213.	-19946.1	-505.8	-270.8	-50.3	18696.8	-34191.0
255.	-19776.9	-505.8	-270.8	-50.3	30207.1	-55688.4
298.	-19607.7	-505.8	-270.8	-50.3	41717.4	-77185.8
340.	-19438.5	-505.8	-270.8	-50.3	53227.7	-98683.2
Asta	21	nodì	41	42		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-20755.3	497.6	-255.8	13.5	-36686.5	-71936.8
43.	-20586.1	497.6	-255.8	13.5	-25815.5	-50789.6
85.	-20416.9	497.6	-255.8	13.5	-14944.4	-29642.5
128.	-20247.7	497.6	-255.8	13.5	-4073.3	-8495.4
170.	-20078.5	497.6	-255.8	13.5	6797.8	12651.7
213.	-19909.3	497.6	-255.8	13.5	17668.9	33798.9
255.	-19740.1	497.6	-255.8	13.5	28539.9	54946.0
298.	-19570.9	497.6	-255.8	13.5	39411.0	76093.1
340.	-19401.7	497.6	-255.8	13.5	50282.1	97240.2
Asta	22	nodì	43	44		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-32987.4	-214.8	-72.9	-87.4	-6709.0	29905.5
43.	-32818.2	-214.8	-72.9	-87.4	-3609.0	20777.9
85.	-32649.0	-214.8	-72.9	-87.4	-509.1	11650.4
128.	-32479.8	-214.8	-72.9	-87.4	2590.9	2522.8
170.	-32310.6	-214.8	-72.9	-87.4	5690.8	-6604.7

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213.	-32141.3	-214.8	-72.9	-87.4	8790.7	-15732.3
255.	-31972.1	-214.8	-72.9	-87.4	11890.7	-24859.9
298.	-31802.9	-214.8	-72.9	-87.4	14990.6	-33987.4
340.	-31633.7	-214.8	-72.9	-87.4	18090.5	-43115.0
Asta	23	odi	45	46		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-21899.8	-329.9	-255.9	57.8	-21857.7	54736.7
43.	-21730.6	-329.9	-255.9	57.8	-10980.4	40715.1
85.	-21561.4	-329.9	-255.9	57.8	-103.1	26693.6
128.	-21392.2	-329.9	-255.9	57.8	10774.1	12672.1
170.	-21223.0	-329.9	-255.9	57.8	21651.4	-1349.5
213.	-21053.8	-329.9	-255.9	57.8	32528.7	-15371.0
255.	-20884.6	-329.9	-255.9	57.8	43406.0	-29392.6
298.	-20715.4	-329.9	-255.9	57.8	54283.2	-43414.1
340.	-20546.2	-329.9	-255.9	57.8	65160.5	-57435.6
Asta	24	odi	47	150		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-32760.8	-1184.0	-537.0	-26797.8	-7347.1	255037.2
21.	-32676.2	-1184.0	-537.0	-26797.8	4063.4	229877.8
43.	-32591.6	-1184.0	-537.0	-26797.8	15473.9	204718.5
64.	-32507.0	-1184.0	-537.0	-26797.8	26884.4	179559.1
85.	-32422.4	-1184.0	-537.0	-26797.8	38294.9	154399.8
106.	-32337.8	-1184.0	-537.0	-26797.8	49705.4	129240.4
128.	-32253.2	-1184.0	-537.0	-26797.8	61115.9	104081.1
149.	-32168.6	-1184.0	-537.0	-26797.8	72526.4	78921.7
170.	-32084.0	-1184.0	-537.0	-26797.8	83936.9	53762.3
Asta	25	odi	49	50		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-23997.8	163.9	-12.9	777.3	-6001.7	-22075.5
43.	-23828.6	163.9	-12.9	777.3	-5455.6	-15111.3
85.	-23659.4	163.9	-12.9	777.3	-4909.5	-8147.2
128.	-23490.2	163.9	-12.9	777.3	-4363.3	-1183.1
170.	-23321.0	163.9	-12.9	777.3	-3817.2	5781.0
213.	-23151.8	163.9	-12.9	777.3	-3271.1	12745.1
255.	-22982.6	163.9	-12.9	777.3	-2725.0	19709.2
298.	-22813.4	163.9	-12.9	777.3	-2178.8	26673.3
340.	-22644.2	163.9	-12.9	777.3	-1632.7	33637.5
Asta	26	odi	51	52		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-24352.6	-160.7	-21.2	-811.5	-6462.6	21805.8
43.	-24183.4	-160.7	-21.2	-811.5	-5562.4	14974.2
85.	-24014.2	-160.7	-21.2	-811.5	-4662.2	8142.5
128.	-23845.0	-160.7	-21.2	-811.5	-3762.0	1310.8
170.	-23675.8	-160.7	-21.2	-811.5	-2861.8	-5520.9
213.	-23506.6	-160.7	-21.2	-811.5	-1961.7	-12352.6
255.	-23337.4	-160.7	-21.2	-811.5	-1061.5	-19184.3
298.	-23168.2	-160.7	-21.2	-811.5	-161.3	-26015.9
340.	-22999.0	-160.7	-21.2	-811.5	738.9	-32847.6
Asta	27	odi	53	54		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-31651.4	-8.0	25.6	94.6	2056.7	-425.2
43.	-31482.2	-8.0	25.6	94.6	969.6	-766.5
85.	-31313.0	-8.0	25.6	94.6	-117.5	-1107.8
128.	-31143.8	-8.0	25.6	94.6	-1204.6	-1449.1
170.	-30974.6	-8.0	25.6	94.6	-2291.8	-1790.4
213.	-30805.4	-8.0	25.6	94.6	-3378.9	-2131.7
255.	-30636.2	-8.0	25.6	94.6	-4466.0	-2473.1
298.	-30467.0	-8.0	25.6	94.6	-5553.1	-2814.4
340.	-30297.8	-8.0	25.6	94.6	-6640.2	-3155.7
Asta	28	odi	55	152		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-32944.0	-2321.5	550.7	-26614.5	-8270.5	400552.0
21.	-32859.4	-2321.5	550.7	-26614.5	-19973.1	351220.6
43.	-32774.8	-2321.5	550.7	-26614.5	-31675.7	301889.1
64.	-32690.2	-2321.5	550.7	-26614.5	-43378.2	252557.6
85.	-32605.6	-2321.5	550.7	-26614.5	-55080.8	203226.2
106.	-32521.0	-2321.5	550.7	-26614.5	-66783.3	153894.7
128.	-32436.4	-2321.5	550.7	-26614.5	-78485.9	104563.3
149.	-32351.8	-2321.5	550.7	-26614.5	-90188.5	55231.8
170.	-32267.1	-2321.5	550.7	-26614.5	-101891.0	5900.3
Asta	29	odi	57	58		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-13339.2	-128.3	150.1	-20.0	18334.2	19636.9
43.	-13170.0	-128.3	150.1	-20.0	11956.4	14184.1
85.	-13000.8	-128.3	150.1	-20.0	5578.5	8731.2
128.	-12831.6	-128.3	150.1	-20.0	-799.3	3278.4
170.	-12662.4	-128.3	150.1	-20.0	-7177.2	-2174.4
213.	-12493.2	-128.3	150.1	-20.0	-13555.1	-7627.2
255.	-12324.0	-128.3	150.1	-20.0	-19932.9	-13080.0
298.	-12154.8	-128.3	150.1	-20.0	-26310.8	-18532.8
340.	-11985.6	-128.3	150.1	-20.0	-32688.6	-23985.6
Asta	30	odi	59	60		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-32704.0	-68.2	28.2	128.8	2939.8	9032.6
43.	-32534.8	-68.2	28.2	128.8	1740.0	6133.0
85.	-32365.6	-68.2	28.2	128.8	540.2	3233.3

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128.	-32196.4	-68.2	28.2	128.8	-659.5	333.6
170.	-32027.2	-68.2	28.2	128.8	-1859.3	-2566.0
213.	-31858.0	-68.2	28.2	128.8	-3059.1	-5465.7
255.	-31688.8	-68.2	28.2	128.8	-4258.8	-8365.3
298.	-31519.6	-68.2	28.2	128.8	-5458.6	-11265.0
340.	-31350.4	-68.2	28.2	128.8	-6658.4	-14164.6
Asta	31	odi	61	62		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-25794.8	105.7	23.5	-14.1	2822.2	-15998.4
43.	-25625.6	105.7	23.5	-14.1	1824.7	-11506.2
85.	-25456.4	105.7	23.5	-14.1	827.2	-7013.9
128.	-25287.2	105.7	23.5	-14.1	-170.4	-2521.6
170.	-25118.0	105.7	23.5	-14.1	-1167.9	1970.6
213.	-24948.8	105.7	23.5	-14.1	-2165.4	6462.9
255.	-24779.6	105.7	23.5	-14.1	-3163.0	10955.2
298.	-24610.4	105.7	23.5	-14.1	-4160.5	15447.4
340.	-24441.2	105.7	23.5	-14.1	-5158.0	19939.7
Asta	32	odi	63	64		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-26778.3	265.0	75.3	-209.2	8592.2	-40643.8
43.	-26609.1	265.0	75.3	-209.2	5393.6	-29380.5
85.	-26439.9	265.0	75.3	-209.2	2195.0	-18117.1
128.	-26270.7	265.0	75.3	-209.2	-1003.5	-6853.7
170.	-26101.5	265.0	75.3	-209.2	-4202.1	4409.6
213.	-25932.3	265.0	75.3	-209.2	-7400.7	15673.0
255.	-25763.1	265.0	75.3	-209.2	-10599.2	26936.4
298.	-25593.9	265.0	75.3	-209.2	-13797.8	38199.7
340.	-25424.7	265.0	75.3	-209.2	-16996.4	49463.1
Asta	33	odi	2	65		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-6543.4	-584.7	331.7	49.9	70043.5	94680.3
43.	-6374.2	-584.7	331.7	49.9	55944.8	69831.9
85.	-6205.0	-584.7	331.7	49.9	41846.1	44983.4
128.	-6035.8	-584.7	331.7	49.9	27747.3	20134.9
170.	-5866.5	-584.7	331.7	49.9	13648.6	-4713.6
213.	-5697.3	-584.7	331.7	49.9	-450.2	-29562.1
255.	-5528.1	-584.7	331.7	49.9	-14548.9	-54410.6
298.	-5358.9	-584.7	331.7	49.9	-28647.6	-79259.0
340.	-5189.7	-584.7	331.7	49.9	-42746.4	-104107.5
Asta	34	odi	4	66		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-16397.2	68.9	117.6	35.6	18792.3	-8904.1
43.	-16228.0	68.9	117.6	35.6	13794.5	-5977.3
85.	-16058.8	68.9	117.6	35.6	8796.6	-3050.5
128.	-15889.6	68.9	117.6	35.6	3798.8	-123.7
170.	-15720.4	68.9	117.6	35.6	-1199.0	2803.2
213.	-15551.2	68.9	117.6	35.6	-6196.9	5730.0
255.	-15382.0	68.9	117.6	35.6	-11194.7	8656.8
298.	-15212.8	68.9	117.6	35.6	-16192.5	11583.6
340.	-15043.6	68.9	117.6	35.6	-21190.4	14510.4
Asta	35	odi	6	67		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-6593.5	-56.4	255.9	34.8	39857.3	4857.4
43.	-6424.3	-56.4	255.9	34.8	28982.9	2460.8
85.	-6255.1	-56.4	255.9	34.8	18108.4	64.2
128.	-6085.9	-56.4	255.9	34.8	7234.0	-2332.4
170.	-5916.7	-56.4	255.9	34.8	-3640.5	-4729.0
213.	-5747.5	-56.4	255.9	34.8	-14514.9	-7125.6
255.	-5578.3	-56.4	255.9	34.8	-25389.4	-9522.2
298.	-5409.1	-56.4	255.9	34.8	-36263.8	-11918.8
340.	-5239.9	-56.4	255.9	34.8	-47138.3	-14315.4
Asta	36	odi	8	68		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-16983.3	409.7	108.6	30.1	13908.8	-65025.0
43.	-16814.1	409.7	108.6	30.1	9295.3	-47611.3
85.	-16644.9	409.7	108.6	30.1	4681.8	-30197.6
128.	-16475.7	409.7	108.6	30.1	68.2	-12783.9
170.	-16306.5	409.7	108.6	30.1	-4545.3	4629.8
213.	-16137.3	409.7	108.6	30.1	-9158.8	22043.5
255.	-15968.1	409.7	108.6	30.1	-13772.3	39457.2
298.	-15798.9	409.7	108.6	30.1	-18385.8	56870.9
340.	-15629.7	409.7	108.6	30.1	-22999.3	74284.7
Asta	37	odi	10	69		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3766.9	420.5	350.5	21.5	74414.7	-66456.3
43.	-3597.7	420.5	350.5	21.5	59518.9	-48585.6
85.	-3428.5	420.5	350.5	21.5	44623.0	-30714.9
128.	-3259.3	420.5	350.5	21.5	29727.2	-12844.2
170.	-3090.1	420.5	350.5	21.5	14831.4	5026.5
213.	-2920.9	420.5	350.5	21.5	-64.5	22897.2
255.	-2751.7	420.5	350.5	21.5	-14960.3	40767.9
298.	-2582.5	420.5	350.5	21.5	-29856.2	58638.6
340.	-2413.3	420.5	350.5	21.5	-44752.0	76509.3
Asta	38	odi	12	70		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-10595.1	857.4	-81.0	45.4	-25848.8	-141565.6

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43.	-10425.9	857.4	-81.0	45.4	-22407.8	-105128.2
85.	-10256.7	857.4	-81.0	45.4	-18966.8	-68690.7
128.	-10087.4	857.4	-81.0	45.4	-15525.8	-32253.2
170.	-9918.2	857.4	-81.0	45.4	-12084.7	4184.3
213.	-9749.0	857.4	-81.0	45.4	-8643.7	40621.8
255.	-9579.8	857.4	-81.0	45.4	-5202.7	77059.2
298.	-9410.6	857.4	-81.0	45.4	-1761.7	113496.7
340.	-9241.4	857.4	-81.0	45.4	1679.3	149934.2
Asta	39	odi	14	71		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-16928.1	786.6	-24.7	25.0	-8456.8	-131592.5
43.	-16758.9	786.6	-24.7	25.0	-7405.9	-98159.9
85.	-16589.7	786.6	-24.7	25.0	-6355.0	-64727.4
128.	-16420.5	786.6	-24.7	25.0	-5304.1	-31294.8
170.	-16251.3	786.6	-24.7	25.0	-4253.2	2137.7
213.	-16082.1	786.6	-24.7	25.0	-3202.3	35570.3
255.	-15912.9	786.6	-24.7	25.0	-2151.4	69002.8
298.	-15743.7	786.6	-24.7	25.0	-1100.4	102435.4
340.	-15574.5	786.6	-24.7	25.0	-49.5	135867.9
Asta	40	odi	16	72		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-22100.5	370.0	-7.8	29.8	-3046.9	-57083.1
43.	-21931.3	370.0	-7.8	29.8	-2715.3	-41359.4
85.	-21762.1	370.0	-7.8	29.8	-2383.7	-25635.7
128.	-21592.9	370.0	-7.8	29.8	-2052.1	-9912.0
170.	-21423.7	370.0	-7.8	29.8	-1720.4	5811.8
213.	-21254.5	370.0	-7.8	29.8	-1388.8	21535.5
255.	-21085.3	370.0	-7.8	29.8	-1057.2	37259.2
298.	-20916.1	370.0	-7.8	29.8	-725.5	52982.9
340.	-20746.9	370.0	-7.8	29.8	-393.9	68706.6
Asta	41	odi	18	73		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-19017.0	-207.8	-2.1	31.5	-1175.7	25268.9
43.	-18847.8	-207.8	-2.1	31.5	-1085.7	16438.1
85.	-18678.6	-207.8	-2.1	31.5	-995.8	7607.3
128.	-18509.4	-207.8	-2.1	31.5	-905.9	-1223.5
170.	-18340.2	-207.8	-2.1	31.5	-815.9	-10054.2
213.	-18170.9	-207.8	-2.1	31.5	-726.0	-18885.0
255.	-18001.7	-207.8	-2.1	31.5	-636.1	-27715.8
298.	-17832.5	-207.8	-2.1	31.5	-546.1	-36546.6
340.	-17663.3	-207.8	-2.1	31.5	-456.2	-45377.4
Asta	42	odi	20	74		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-12031.5	-93.8	-0.7	34.8	-813.9	16990.3
43.	-11862.3	-93.8	-0.7	34.8	-782.2	13005.4
85.	-11693.1	-93.8	-0.7	34.8	-750.5	9020.6
128.	-11523.9	-93.8	-0.7	34.8	-718.7	5035.7
170.	-11354.7	-93.8	-0.7	34.8	-687.0	1050.9
213.	-11185.5	-93.8	-0.7	34.8	-655.3	-2934.0
255.	-11016.3	-93.8	-0.7	34.8	-623.5	-6918.8
298.	-10847.1	-93.8	-0.7	34.8	-591.8	-10903.7
340.	-10677.9	-93.8	-0.7	34.8	-560.1	-14888.5
Asta	43	odi	22	75		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-11953.8	95.1	-1.0	34.4	-1364.2	-17307.5
43.	-11784.6	95.1	-1.0	34.4	-1322.0	-13267.8
85.	-11615.4	95.1	-1.0	34.4	-1279.8	-9228.2
128.	-11446.2	95.1	-1.0	34.4	-1237.5	-5188.5
170.	-11277.0	95.1	-1.0	34.4	-1195.3	-1148.8
213.	-11107.8	95.1	-1.0	34.4	-1153.1	2890.8
255.	-10938.6	95.1	-1.0	34.4	-1110.8	6930.5
298.	-10769.4	95.1	-1.0	34.4	-1068.6	10970.2
340.	-10600.2	95.1	-1.0	34.4	-1026.4	15009.8
Asta	44	odi	24	76		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-19313.4	314.3	-5.2	51.1	-3872.1	-42633.6
43.	-19144.2	314.3	-5.2	51.1	-3652.2	-29276.0
85.	-18975.0	314.3	-5.2	51.1	-3432.3	-15918.5
128.	-18805.8	314.3	-5.2	51.1	-3212.3	-2560.9
170.	-18636.6	314.3	-5.2	51.1	-2992.4	10796.7
213.	-18467.4	314.3	-5.2	51.1	-2772.5	24154.2
255.	-18298.2	314.3	-5.2	51.1	-2552.6	37511.8
298.	-18129.0	314.3	-5.2	51.1	-2332.7	50869.4
340.	-17959.8	314.3	-5.2	51.1	-2112.7	64227.0
Asta	45	odi	26	77		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-23990.5	-75.9	-30.5	-78.2	-13298.4	9306.6
43.	-23821.3	-75.9	-30.5	-78.2	-12002.2	6080.9
85.	-23652.1	-75.9	-30.5	-78.2	-10706.0	2855.1
128.	-23482.9	-75.9	-30.5	-78.2	-9409.8	-370.6
170.	-23313.7	-75.9	-30.5	-78.2	-8113.6	-3596.4
213.	-23144.5	-75.9	-30.5	-78.2	-6817.4	-6822.2
255.	-22975.3	-75.9	-30.5	-78.2	-5521.2	-10047.9
298.	-22806.1	-75.9	-30.5	-78.2	-4225.0	-13273.7
340.	-22636.9	-75.9	-30.5	-78.2	-2928.8	-16499.4
Asta	46	odi	28	78		

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0.	-8556.2	203.6	-265.0	-61.9	-76312.6	-22584.7
43.	-8387.0	203.6	-265.0	-61.9	-65049.7	-13933.5
85.	-8217.8	203.6	-265.0	-61.9	-53786.8	-5282.3
128.	-8048.6	203.6	-265.0	-61.9	-42524.0	3368.8
170.	-7879.4	203.6	-265.0	-61.9	-31261.1	12020.0
213.	-7710.2	203.6	-265.0	-61.9	-19998.2	20671.2
255.	-7541.0	203.6	-265.0	-61.9	-8735.4	29322.4
298.	-7371.8	203.6	-265.0	-61.9	2527.5	37973.5
340.	-7202.6	203.6	-265.0	-61.9	13790.3	46624.7
Asta 47 nodi 30 79						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-13239.3	414.3	-115.9	72.3	-10225.0	-81870.3
43.	-13070.0	414.3	-115.9	72.3	-5297.3	-64261.6
85.	-12900.8	414.3	-115.9	72.3	-369.6	-46652.9
128.	-12731.6	414.3	-115.9	72.3	4558.2	-29044.2
170.	-12562.4	414.3	-115.9	72.3	9485.9	-11435.5
213.	-12393.2	414.3	-115.9	72.3	14413.6	6173.2
255.	-12224.0	414.3	-115.9	72.3	19341.3	23781.9
298.	-12054.8	414.3	-115.9	72.3	24269.1	41390.6
340.	-11885.6	414.3	-115.9	72.3	29196.8	58999.3
Asta 48 nodi 32 80						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-14194.2	-585.6	-91.7	19.2	2224.7	115251.8
43.	-14024.9	-585.6	-91.7	19.2	6122.3	90363.8
85.	-13855.7	-585.6	-91.7	19.2	10019.9	65475.8
128.	-13686.5	-585.6	-91.7	19.2	13917.5	40587.8
170.	-13517.3	-585.6	-91.7	19.2	17815.1	15699.8
213.	-13348.1	-585.6	-91.7	19.2	21712.7	-9188.2
255.	-13178.9	-585.6	-91.7	19.2	25610.3	-34076.2
298.	-13009.7	-585.6	-91.7	19.2	29507.8	-58964.2
340.	-12840.5	-585.6	-91.7	19.2	33405.4	-83852.2
Asta 49 nodi 110 109						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-7851.9	1424.7	79.7	-3.5	18713.6	-249074.4
43.	-7682.6	1424.7	79.7	-3.5	15326.6	-188526.1
85.	-7513.4	1424.7	79.7	-3.5	11939.5	-127977.8
128.	-7344.2	1424.7	79.7	-3.5	8552.5	-67429.6
170.	-7175.0	1424.7	79.7	-3.5	5165.5	-6881.3
213.	-7005.8	1424.7	79.7	-3.5	1778.5	53667.0
255.	-6836.6	1424.7	79.7	-3.5	-1608.5	114215.3
298.	-6667.4	1424.7	79.7	-3.5	-4995.6	174763.6
340.	-6498.2	1424.7	79.7	-3.5	-8382.6	235311.8
Asta 50 nodi 36 82						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-6425.7	545.6	-181.0	28.5	-34373.1	-88989.8
43.	-6256.5	545.6	-181.0	28.5	-26680.5	-65801.8
85.	-6087.3	545.6	-181.0	28.5	-18988.0	-42613.8
128.	-5918.1	545.6	-181.0	28.5	-11295.4	-19425.7
170.	-5748.9	545.6	-181.0	28.5	-3602.8	3762.3
213.	-5579.7	545.6	-181.0	28.5	4089.7	26950.3
255.	-5410.5	545.6	-181.0	28.5	11782.3	50138.3
298.	-5241.3	545.6	-181.0	28.5	19474.9	73326.4
340.	-5072.1	545.6	-181.0	28.5	27167.4	96514.4
Asta 51 nodi 38 83						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-16036.1	157.4	-91.1	28.5	-14431.0	-25837.7
43.	-15866.9	157.4	-91.1	28.5	-10559.0	-19148.4
85.	-15697.7	157.4	-91.1	28.5	-6687.1	-12459.1
128.	-15528.5	157.4	-91.1	28.5	-2815.2	-5769.9
170.	-15359.3	157.4	-91.1	28.5	1056.7	919.4
213.	-15190.1	157.4	-91.1	28.5	4928.6	7608.6
255.	-15020.9	157.4	-91.1	28.5	8800.6	14297.9
298.	-14851.7	157.4	-91.1	28.5	12672.5	20987.1
340.	-14682.4	157.4	-91.1	28.5	16544.4	27676.4
Asta 52 nodi 40 84						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-7027.0	-626.4	-302.0	27.2	-55013.2	102985.4
43.	-6857.8	-626.4	-302.0	27.2	-42178.3	76362.9
85.	-6688.6	-626.4	-302.0	27.2	-29343.3	49740.3
128.	-6519.4	-626.4	-302.0	27.2	-16508.3	23117.8
170.	-6350.2	-626.4	-302.0	27.2	-3673.3	-3504.8
213.	-6181.0	-626.4	-302.0	27.2	9161.7	-30127.3
255.	-6011.8	-626.4	-302.0	27.2	21996.6	-56749.9
298.	-5842.6	-626.4	-302.0	27.2	34831.6	-83372.4
340.	-5673.4	-626.4	-302.0	27.2	47666.6	-109994.9
Asta 53 nodi 42 85						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-7168.1	619.7	-288.1	45.4	-52005.0	-101854.0
43.	-6998.9	619.7	-288.1	45.4	-39759.8	-75517.3
85.	-6829.7	619.7	-288.1	45.4	-27514.6	-49180.5
128.	-6660.5	619.7	-288.1	45.4	-15269.4	-22843.7
170.	-6491.3	619.7	-288.1	45.4	-3024.2	3493.0
213.	-6322.0	619.7	-288.1	45.4	9221.0	29829.8
255.	-6152.8	619.7	-288.1	45.4	21466.2	56166.6
298.	-5983.6	619.7	-288.1	45.4	33711.5	82503.3
340.	-5814.4	619.7	-288.1	45.4	45956.7	108840.1

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Asta	54	odi	44	86		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-15562.1	-268.8	-122.8	25.6	-20426.9	44961.1
43.	-15392.9	-268.8	-122.8	25.6	-15209.4	33536.4
85.	-15223.7	-268.8	-122.8	25.6	-9991.8	22111.6
128.	-15054.5	-268.8	-122.8	25.6	-4774.3	10686.9
170.	-14885.3	-268.8	-122.8	25.6	443.2	-737.8
213.	-14716.1	-268.8	-122.8	25.6	5660.7	-12162.6
255.	-14546.9	-268.8	-122.8	25.6	10878.3	-23587.3
298.	-14377.7	-268.8	-122.8	25.6	16095.8	-35012.1
340.	-14208.5	-268.8	-122.8	25.6	21313.3	-46436.8
Asta	55	odi	46	87		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-6781.5	-402.8	-343.6	56.1	-68850.3	59971.8
43.	-6612.3	-402.8	-343.6	56.1	-54249.3	42851.8
85.	-6443.1	-402.8	-343.6	56.1	-39648.4	25731.8
128.	-6273.9	-402.8	-343.6	56.1	-25047.5	8611.7
170.	-6104.7	-402.8	-343.6	56.1	-10446.6	-8508.3
213.	-5935.5	-402.8	-343.6	56.1	4154.3	-25628.3
255.	-5766.3	-402.8	-343.6	56.1	18755.2	-42748.3
298.	-5597.1	-402.8	-343.6	56.1	33356.1	-59868.3
340.	-5427.9	-402.8	-343.6	56.1	47957.0	-76988.3
Asta	56	odi	48	88		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-8742.3	-416.4	27.3	605.7	2116.2	32502.5
43.	-8573.1	-416.4	27.3	605.7	955.1	14805.0
85.	-8403.9	-416.4	27.3	605.7	-206.1	-2892.5
128.	-8234.7	-416.4	27.3	605.7	-1367.2	-20590.0
170.	-8065.5	-416.4	27.3	605.7	-2528.3	-38287.5
213.	-7896.3	-416.4	27.3	605.7	-3689.5	-55984.9
255.	-7727.1	-416.4	27.3	605.7	-4850.6	-73682.4
298.	-7557.9	-416.4	27.3	605.7	-6011.7	-91379.9
340.	-7388.7	-416.4	27.3	605.7	-7172.9	-109077.4
Asta	57	odi	50	89		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-12726.8	203.6	-39.0	108.6	65.2	-35259.9
43.	-12557.6	203.6	-39.0	108.6	1723.2	-26608.8
85.	-12388.4	203.6	-39.0	108.6	3381.2	-17957.7
128.	-12219.2	203.6	-39.0	108.6	5039.2	-9306.7
170.	-12050.0	203.6	-39.0	108.6	6697.2	-655.6
213.	-11880.7	203.6	-39.0	108.6	8355.2	7995.5
255.	-11711.5	203.6	-39.0	108.6	10013.2	16646.6
298.	-11542.3	203.6	-39.0	108.6	11671.2	25297.7
340.	-11373.1	203.6	-39.0	108.6	13329.2	33948.8
Asta	58	odi	52	90		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-12835.1	-201.7	-42.1	-47.8	-2074.3	34183.4
43.	-12665.9	-201.7	-42.1	-47.8	-286.3	25609.4
85.	-12496.7	-201.7	-42.1	-47.8	1501.8	17035.5
128.	-12327.5	-201.7	-42.1	-47.8	3289.8	8461.5
170.	-12158.3	-201.7	-42.1	-47.8	5077.8	-112.4
213.	-11989.1	-201.7	-42.1	-47.8	6865.9	-8686.3
255.	-11819.9	-201.7	-42.1	-47.8	8653.9	-17260.3
298.	-11650.7	-201.7	-42.1	-47.8	10442.0	-25834.2
340.	-11481.5	-201.7	-42.1	-47.8	12230.0	-34408.2
Asta	59	odi	54	91		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-11099.0	-29.5	-11.7	39.3	4563.4	3780.0
43.	-10929.8	-29.5	-11.7	39.3	5059.0	2525.4
85.	-10760.6	-29.5	-11.7	39.3	5554.6	1270.7
128.	-10591.4	-29.5	-11.7	39.3	6050.2	16.1
170.	-10422.2	-29.5	-11.7	39.3	6545.7	-1238.5
213.	-10253.0	-29.5	-11.7	39.3	7041.3	-2493.1
255.	-10083.8	-29.5	-11.7	39.3	7536.9	-3747.8
298.	-9914.6	-29.5	-11.7	39.3	8032.5	-5002.4
340.	-9745.4	-29.5	-11.7	39.3	8528.0	-6257.0
Asta	60	odi	56	92		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-15828.1	-1557.4	19.8	577.5	-1852.3	252244.2
43.	-15658.9	-1557.4	19.8	577.5	-2694.3	186055.6
85.	-15489.7	-1557.4	19.8	577.5	-3536.2	119867.1
128.	-15320.5	-1557.4	19.8	577.5	-4378.2	53678.5
170.	-15151.3	-1557.4	19.8	577.5	-5220.2	-12510.1
213.	-14982.1	-1557.4	19.8	577.5	-6062.2	-78698.7
255.	-14812.9	-1557.4	19.8	577.5	-6904.2	-144887.3
298.	-14643.7	-1557.4	19.8	577.5	-7746.2	-211075.9
340.	-14474.5	-1557.4	19.8	577.5	-8588.2	-277264.5
Asta	61	odi	58	93		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-5947.4	-150.0	223.8	31.2	34768.6	24516.1
43.	-5778.2	-150.0	223.8	31.2	25257.7	18141.9
85.	-5609.0	-150.0	223.8	31.2	15746.8	11767.8
128.	-5439.8	-150.0	223.8	31.2	6235.9	5393.6
170.	-5270.6	-150.0	223.8	31.2	-3274.9	-980.5
213.	-5101.4	-150.0	223.8	31.2	-12785.8	-7354.6
255.	-4932.2	-150.0	223.8	31.2	-22296.7	-13728.8

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298.	-4763.0	-150.0	223.8	31.2	-31807.6	-20102.9
340.	-4593.8	-150.0	223.8	31.2	-41318.5	-26477.0
Asta	62	odi	60	94		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-15152.2	-63.5	57.2	39.5	7059.2	13728.0
43.	-14983.0	-63.5	57.2	39.5	4630.0	11027.2
85.	-14813.8	-63.5	57.2	39.5	2200.8	8326.3
128.	-14644.6	-63.5	57.2	39.5	-228.3	5625.4
170.	-14475.4	-63.5	57.2	39.5	-2657.5	2924.6
213.	-14306.2	-63.5	57.2	39.5	-5086.7	223.7
255.	-14137.0	-63.5	57.2	39.5	-7515.9	-2477.2
298.	-13967.8	-63.5	57.2	39.5	-9945.0	-5178.0
340.	-13798.6	-63.5	57.2	39.5	-12374.2	-7878.9
Asta	63	odi	62	95		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-11251.9	116.7	36.9	30.4	4953.7	-20606.3
43.	-11082.7	116.7	36.9	30.4	3383.4	-15646.7
85.	-10913.5	116.7	36.9	30.4	1813.2	-10687.1
128.	-10744.3	116.7	36.9	30.4	242.9	-5727.5
170.	-10575.1	116.7	36.9	30.4	-1327.4	-767.9
213.	-10405.9	116.7	36.9	30.4	-2897.7	4191.7
255.	-10236.7	116.7	36.9	30.4	-4468.0	9151.3
298.	-10067.5	116.7	36.9	30.4	-6038.3	14110.9
340.	-9898.3	116.7	36.9	30.4	-7608.6	19070.4
Asta	64	odi	64	96		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-11855.9	323.0	91.8	12.3	16863.6	-51853.2
43.	-11686.7	323.0	91.8	12.3	12962.0	-38124.7
85.	-11517.5	323.0	91.8	12.3	9060.5	-24396.3
128.	-11348.3	323.0	91.8	12.3	5158.9	-10667.8
170.	-11179.1	323.0	91.8	12.3	1257.4	3060.6
213.	-11009.9	323.0	91.8	12.3	-2644.2	16789.1
255.	-10840.6	323.0	91.8	12.3	-6545.7	30517.5
298.	-10671.4	323.0	91.8	12.3	-10447.3	44246.0
340.	-10502.2	323.0	91.8	12.3	-14348.8	57974.5
Asta	65	odi	92	97		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3008.5	-762.5	4.3	-826.7	2055.3	207367.2
40.	-2849.2	-762.5	4.3	-826.7	1883.8	176865.5
80.	-2690.0	-762.5	4.3	-826.7	1712.2	146363.8
120.	-2530.7	-762.5	4.3	-826.7	1540.7	115862.1
160.	-2371.5	-762.5	4.3	-826.7	1369.2	85360.4
200.	-2212.2	-762.5	4.3	-826.7	1197.6	54858.7
240.	-2053.0	-762.5	4.3	-826.7	1026.1	24357.0
280.	-1893.7	-762.5	4.3	-826.7	854.6	-6144.7
320.	-1734.5	-762.5	4.3	-826.7	683.1	-36646.4
Asta	66	odi	77	98		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1789.3	165.2	-1.6	-1003.9	-600.8	-43535.2
40.	-1630.1	165.2	-1.6	-1003.9	-536.9	-36928.2
80.	-1470.8	165.2	-1.6	-1003.9	-473.1	-30321.2
120.	-1311.6	165.2	-1.6	-1003.9	-409.2	-23714.2
160.	-1152.3	165.2	-1.6	-1003.9	-345.4	-17107.3
200.	-993.1	165.2	-1.6	-1003.9	-281.5	-10500.3
240.	-833.8	165.2	-1.6	-1003.9	-217.6	-3893.3
280.	-674.6	165.2	-1.6	-1003.9	-153.8	2713.7
320.	-515.3	165.2	-1.6	-1003.9	-89.9	9320.6
Asta	67	odi	76	99		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2360.5	597.4	-2.7	-594.4	-1454.5	-128801.2
40.	-2201.2	597.4	-2.7	-594.4	-1346.8	-104906.5
80.	-2042.0	597.4	-2.7	-594.4	-1239.1	-81011.7
120.	-1882.7	597.4	-2.7	-594.4	-1131.5	-57117.0
160.	-1723.5	597.4	-2.7	-594.4	-1023.8	-33222.3
200.	-1564.2	597.4	-2.7	-594.4	-916.1	-9327.6
240.	-1405.0	597.4	-2.7	-594.4	-808.5	14567.1
280.	-1245.7	597.4	-2.7	-594.4	-700.8	38461.9
320.	-1086.5	597.4	-2.7	-594.4	-593.1	62356.6
Asta	68	odi	70	100		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2349.4	424.8	0.7	110.6	297.0	-67489.6
40.	-2190.1	424.8	0.7	110.6	270.8	-50496.9
80.	-2030.9	424.8	0.7	110.6	244.6	-33504.3
120.	-1871.6	424.8	0.7	110.6	218.4	-16511.6
160.	-1712.4	424.8	0.7	110.6	192.2	481.0
200.	-1553.1	424.8	0.7	110.6	166.0	17473.7
240.	-1393.9	424.8	0.7	110.6	139.8	34466.3
280.	-1234.6	424.8	0.7	110.6	113.6	51459.0
320.	-1075.4	424.8	0.7	110.6	87.4	68451.6
Asta	69	odi	71	101		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1789.0	301.3	0.0	151.7	37.9	-51121.0
40.	-1629.8	301.3	0.0	151.7	36.7	-39070.9
80.	-1470.5	301.3	0.0	151.7	35.6	-27020.8
120.	-1311.3	301.3	0.0	151.7	34.4	-14970.7
160.	-1152.0	301.3	0.0	151.7	33.3	-2920.6

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200.	-992.8	301.3	0.0	151.7	32.1	9129.5
240.	-833.5	301.3	0.0	151.7	31.0	21179.6
280.	-674.3	301.3	0.0	151.7	29.8	33229.7
320.	-515.0	301.3	0.0	151.7	28.7	45279.8
Asta	70	nodì	72	102		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2185.2	-140.6	-0.4	133.7	-141.9	19045.7
40.	-2026.0	-140.6	-0.4	133.7	-127.7	13421.8
80.	-1866.7	-140.6	-0.4	133.7	-113.5	7797.9
120.	-1707.5	-140.6	-0.4	133.7	-99.3	2174.0
160.	-1548.2	-140.6	-0.4	133.7	-85.1	-3449.9
200.	-1389.0	-140.6	-0.4	133.7	-70.9	-9073.8
240.	-1229.7	-140.6	-0.4	133.7	-56.7	-14697.7
280.	-1070.5	-140.6	-0.4	133.7	-42.5	-20321.6
320.	-911.2	-140.6	-0.4	133.7	-28.4	-25945.5
Asta	71	nodì	73	103		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2238.1	-585.5	-0.3	75.2	-193.0	132859.6
40.	-2078.8	-585.5	-0.3	75.2	-179.8	109440.7
80.	-1919.6	-585.5	-0.3	75.2	-166.6	86021.9
120.	-1760.3	-585.5	-0.3	75.2	-153.5	62603.0
160.	-1601.1	-585.5	-0.3	75.2	-140.3	39184.1
200.	-1441.8	-585.5	-0.3	75.2	-127.2	15765.3
240.	-1282.6	-585.5	-0.3	75.2	-114.0	-7653.6
280.	-1123.3	-585.5	-0.3	75.2	-100.9	-31072.4
320.	-964.1	-585.5	-0.3	75.2	-87.7	-54491.3
Asta	72	nodì	63	9		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-24.8	6034.0	6.6	-32888.8	1179.7	-195215.4
34.	-24.8	4317.1	6.6	-32888.8	952.8	-17952.6
69.	-24.8	2600.3	6.6	-32888.8	726.0	100508.0
103.	-24.8	883.4	6.6	-32888.8	499.2	160166.4
137.	-24.8	-833.4	6.6	-32888.8	272.4	161022.5
171.	-24.8	-2550.3	6.6	-32888.8	45.6	103076.5
206.	-24.8	-4267.1	6.6	-32888.8	-181.2	-13671.8
240.	-24.8	-5984.0	6.6	-32888.8	-408.0	-189222.3
274.	-24.8	-7700.8	6.6	-32888.8	-634.8	-423575.1
Asta	73	nodì	1	3		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-17.3	9972.4	-0.1	20316.0	-63.5	-635497.8
50.	-17.3	7488.0	-0.1	20316.0	-58.1	-202807.9
99.	-17.3	5003.5	-0.1	20316.0	-52.6	106747.6
149.	-17.3	2519.1	-0.1	20316.0	-47.2	293168.9
198.	-17.3	34.7	-0.1	20316.0	-41.8	356455.9
248.	-17.3	-2449.7	-0.1	20316.0	-36.4	296608.6
297.	-17.3	-4934.1	-0.1	20316.0	-31.0	113627.0
347.	-17.3	-7418.6	-0.1	20316.0	-25.6	-192488.9
397.	-17.3	-9903.0	-0.1	20316.0	-20.2	-621739.0
Asta	74	nodì	3	5		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-8.1	9764.9	0.0	-4873.8	7.2	-617712.9
50.	-8.1	7258.5	0.0	-4873.8	6.7	-192127.0
100.	-8.1	4752.2	0.0	-4873.8	6.1	108141.1
150.	-8.1	2245.8	0.0	-4873.8	5.6	283091.5
200.	-8.1	-260.5	0.0	-4873.8	5.1	332724.2
250.	-8.1	-2766.9	0.0	-4873.8	4.6	257039.0
300.	-8.1	-5273.2	0.0	-4873.8	4.0	56036.2
350.	-8.1	-7779.6	0.0	-4873.8	3.5	-270284.4
400.	-8.1	-10285.9	0.0	-4873.8	3.0	-721922.8
Asta	75	nodì	5	7		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3.6	10514.4	1.2	6286.2	187.8	-742444.7
50.	-3.6	7992.4	1.2	6286.2	125.4	-276884.1
101.	-3.6	5470.3	1.2	6286.2	63.0	61787.3
151.	-3.6	2948.3	1.2	6286.2	0.7	273569.6
201.	-3.6	426.3	1.2	6286.2	-61.7	358462.8
252.	-3.6	-2095.7	1.2	6286.2	-124.0	316466.9
302.	-3.6	-4617.7	1.2	6286.2	-186.4	147581.8
352.	-3.6	-7139.8	1.2	6286.2	-248.7	-148192.3
403.	-3.6	-9661.8	1.2	6286.2	-311.1	-570855.6
Asta	76	nodì	7	57		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	3.3	7280.9	0.1	-8562.0	61.6	-383155.4
37.	3.3	5426.2	0.1	-8562.0	56.5	-148074.1
74.	3.3	3571.5	0.1	-8562.0	51.3	18383.1
111.	3.3	1716.8	0.1	-8562.0	46.2	116216.3
148.	3.3	-137.9	0.1	-8562.0	41.0	145425.6
185.	3.3	-1992.6	0.1	-8562.0	35.9	106010.8
222.	3.3	-3847.3	0.1	-8562.0	30.8	-2028.0
259.	3.3	-5702.0	0.1	-8562.0	25.6	-178690.7
296.	3.3	-7556.7	0.1	-8562.0	20.5	-423977.5
Asta	77	nodì	57	59		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	5.9	9638.2	-3.0	7513.8	-319.7	-652026.1
44.	5.9	7410.7	-3.0	7513.8	-186.4	-273220.9
89.	5.9	5183.2	-3.0	7513.8	-53.1	6598.9

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133.	5.9	2955.6	-3.0	7513.8	80.2	187433.0
178.	5.9	728.1	-3.0	7513.8	213.5	269281.7
222.	5.9	-1499.4	-3.0	7513.8	346.8	252144.7
267.	5.9	-3726.9	-3.0	7513.8	480.1	136022.2
311.	5.9	-5954.4	-3.0	7513.8	613.5	-79085.8
356.	5.9	-8182.0	-3.0	7513.8	746.8	-393179.4
Asta	78	nodì	59	61		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3.8	8039.4	-5.3	-33.9	-1025.7	-443220.5
37.	-3.8	6181.6	-5.3	-33.9	-831.0	-179687.3
74.	-3.8	4323.8	-5.3	-33.9	-636.3	14989.8
111.	-3.8	2465.9	-5.3	-33.9	-441.6	140810.8
148.	-3.8	608.1	-5.3	-33.9	-246.9	197775.9
185.	-3.8	-1249.8	-5.3	-33.9	-52.2	185884.9
222.	-3.8	-3107.6	-5.3	-33.9	142.5	105137.8
259.	-3.8	-4965.4	-5.3	-33.9	337.2	-44465.2
297.	-3.8	-6823.3	-5.3	-33.9	531.9	-262924.3
Asta	79	nodì	61	63		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	1.2	6067.4	6.3	-3494.9	469.5	-195791.1
34.	1.2	4381.9	6.3	-3494.9	258.3	-20112.4
67.	1.2	2696.4	6.3	-3494.9	47.2	98890.5
101.	1.2	1010.8	6.3	-3494.9	-164.0	161217.7
135.	1.2	-674.7	6.3	-3494.9	-375.1	166869.2
168.	1.2	-2360.2	6.3	-3494.9	-586.3	115844.9
202.	1.2	-4045.7	6.3	-3494.9	-797.4	8144.9
235.	1.2	-5731.3	6.3	-3494.9	-1008.6	-156230.8
269.	1.2	-7416.8	6.3	-3494.9	-1219.7	-377282.3
Asta	80	nodì	49	31		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-10.9	4436.2	-24.9	-7029.1	-5221.7	-193025.2
39.	-10.9	3091.7	-24.9	-7029.1	-4252.3	-46465.9
78.	-10.9	1747.1	-24.9	-7029.1	-3282.8	47739.6
117.	-10.9	402.6	-24.9	-7029.1	-2313.4	89591.4
156.	-10.9	-942.0	-24.9	-7029.1	-1344.0	79089.4
195.	-10.9	-2286.6	-24.9	-7029.1	-374.5	16233.7
234.	-10.9	-3631.1	-24.9	-7029.1	594.9	-98975.8
273.	-10.9	-4975.7	-24.9	-7029.1	1564.3	-266539.0
312.	-10.9	-6320.2	-24.9	-7029.1	2533.7	-486455.9
Asta	81	nodì	51	49		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-10.5	5693.2	0.4	-107.5	2623.1	-292580.3
41.	-10.5	4277.5	0.4	-107.5	2606.6	-88181.1
82.	-10.5	2861.7	0.4	-107.5	2590.1	58171.2
123.	-10.5	1445.9	0.4	-107.5	2573.6	146476.6
164.	-10.5	30.1	0.4	-107.5	2557.1	176735.0
205.	-10.5	-1385.7	0.4	-107.5	2540.6	148946.4
246.	-10.5	-2801.4	0.4	-107.5	2524.1	63110.9
287.	-10.5	-4217.2	0.4	-107.5	2507.6	-80771.6
328.	-10.5	-5633.0	0.4	-107.5	2491.1	-282701.0
Asta	82	nodì	29	51		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.4	6058.2	26.2	5135.2	2648.9	-432408.3
38.	-0.4	4730.9	26.2	5135.2	1641.7	-225053.5
77.	-0.4	3403.7	26.2	5135.2	634.4	-68716.6
115.	-0.4	2076.4	26.2	5135.2	-372.9	36602.6
154.	-0.4	749.1	26.2	5135.2	-1380.2	90903.9
192.	-0.4	-578.2	26.2	5135.2	-2387.5	94187.4
231.	-0.4	-1905.5	26.2	5135.2	-3394.8	46453.1
269.	-0.4	-3232.8	26.2	5135.2	-4402.1	-52299.1
308.	-0.4	-4560.1	26.2	5135.2	-5409.3	-202069.1
Asta	83	nodì	37	35		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-5.0	7881.1	-0.9	6079.8	-333.7	-551358.4
53.	-5.0	5938.4	-0.9	6079.8	-285.8	-187300.0
105.	-5.0	3995.7	-0.9	6079.8	-237.9	74402.9
158.	-5.0	2053.0	-0.9	6079.8	-189.9	233750.4
211.	-5.0	110.4	-0.9	6079.8	-142.0	290742.6
263.	-5.0	-1832.3	-0.9	6079.8	-94.0	245379.4
316.	-5.0	-3775.0	-0.9	6079.8	-46.1	97660.8
369.	-5.0	-5717.7	-0.9	6079.8	1.9	-152413.2
422.	-5.0	-7660.4	-0.9	6079.8	49.8	-504842.6
Asta	84	nodì	39	37		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-16.1	8585.1	-1.2	-12546.5	-174.8	-634883.3
58.	-16.1	6444.2	-1.2	-12546.5	-103.2	-198563.7
116.	-16.1	4303.3	-1.2	-12546.5	-31.6	113451.5
174.	-16.1	2162.5	-1.2	-12546.5	40.0	301162.1
232.	-16.1	21.6	-1.2	-12546.5	111.6	364568.1
290.	-16.1	-2119.3	-1.2	-12546.5	183.2	303669.6
348.	-16.1	-4260.2	-1.2	-12546.5	254.8	118466.6
406.	-16.1	-6401.0	-1.2	-12546.5	326.4	-191041.0
465.	-16.1	-8541.9	-1.2	-12546.5	398.0	-624853.1
Asta	85	nodì	43	41		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-16.6	8510.3	1.6	12229.5	488.1	-613905.7

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58.	-16.6	6369.4	1.6	12229.5	396.5	-181930.0
116.	-16.6	4228.5	1.6	12229.5	305.0	125741.1
174.	-16.6	2087.7	1.6	12229.5	213.4	309107.7
232.	-16.6	-53.2	1.6	12229.5	121.9	368169.8
290.	-16.6	-2194.1	1.6	12229.5	30.3	302927.3
348.	-16.6	-4335.0	1.6	12229.5	-61.2	113380.3
406.	-16.6	-6475.8	1.6	12229.5	-152.8	-200471.2
465.	-16.6	-8616.7	1.6	12229.5	-244.3	-638627.3
Asta	86	odi	45	43		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-6.4	7077.6	0.9	-5254.2	-35.1	-430442.8
49.	-6.4	5268.6	0.9	-5254.2	-78.6	-127574.1
98.	-6.4	3459.6	0.9	-5254.2	-122.0	86539.2
147.	-6.4	1650.6	0.9	-5254.2	-165.5	211897.1
196.	-6.4	-158.5	0.9	-5254.2	-209.0	248499.6
245.	-6.4	-1967.5	0.9	-5254.2	-252.4	196346.6
294.	-6.4	-3776.5	0.9	-5254.2	-295.9	55438.2
343.	-6.4	-5585.6	0.9	-5254.2	-339.4	-174225.5
393.	-6.4	-7394.6	0.9	-5254.2	-382.8	-492644.7
Asta	87	odi	35	104		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2.7	3413.1	17.2	67333.4	2145.0	-208578.7
45.	-2.7	2605.6	17.2	67333.4	1376.3	-74473.0
89.	-2.7	1798.2	17.2	67333.4	607.7	23649.8
134.	-2.7	990.7	17.2	67333.4	-161.0	85789.5
178.	-2.7	183.2	17.2	67333.4	-929.6	111946.3
223.	-2.7	-624.2	17.2	67333.4	-1698.3	102120.0
267.	-2.7	-1431.7	17.2	67333.4	-2466.9	56310.8
312.	-2.7	-2239.2	17.2	67333.4	-3235.6	-25481.5
357.	-2.7	-3046.7	17.2	67333.4	-4004.2	-143256.7
Asta	88	odi	104	11		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	9.6	2273.9	13.5	-48731.2	3655.0	-79273.7
39.	9.6	1567.2	13.5	-48731.2	3127.5	-4373.5
78.	9.6	860.5	13.5	-48731.2	2600.0	42966.1
117.	9.6	153.8	13.5	-48731.2	2072.5	62745.2
156.	9.6	-552.9	13.5	-48731.2	1545.0	54963.8
195.	9.6	-1259.5	13.5	-48731.2	1017.5	19621.9
234.	9.6	-1966.2	13.5	-48731.2	490.0	-43280.5
273.	9.6	-2672.9	13.5	-48731.2	-37.5	-133743.5
312.	9.6	-3379.6	13.5	-48731.2	-565.0	-251767.0
Asta	89	odi	11	9		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-30.4	5470.9	-1.3	-18782.6	-653.8	-524622.2
76.	-30.4	4092.6	-1.3	-18782.6	-552.1	-160910.3
152.	-30.4	2714.4	-1.3	-18782.6	-450.4	97968.2
228.	-30.4	1336.1	-1.3	-18782.6	-348.8	252013.5
304.	-30.4	-42.1	-1.3	-18782.6	-247.1	301225.4
380.	-30.4	-1420.4	-1.3	-18782.6	-145.5	245603.9
456.	-30.4	-2798.6	-1.3	-18782.6	-43.8	85149.2
532.	-30.4	-4176.9	-1.3	-18782.6	57.9	-180138.9
609.	-30.4	-5555.1	-1.3	-18782.6	159.5	-550260.4
Asta	90	odi	105	1		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-5.8	5478.7	1.6	18907.9	730.6	-527425.9
76.	-5.8	4100.4	1.6	18907.9	608.4	-163121.4
152.	-5.8	2722.2	1.6	18907.9	486.2	96349.8
228.	-5.8	1343.9	1.6	18907.9	364.0	250987.6
304.	-5.8	-34.3	1.6	18907.9	241.8	300792.1
380.	-5.8	-1412.6	1.6	18907.9	119.6	245763.3
456.	-5.8	-2790.8	1.6	18907.9	-2.6	85901.2
532.	-5.8	-4169.1	1.6	18907.9	-124.8	-178794.3
609.	-5.8	-5547.4	1.6	18907.9	-247.0	-548323.1
Asta	91	odi	106	105		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	10.1	2444.7	1.7	55608.6	-485.0	-108448.4
39.	10.1	1738.0	1.7	55608.6	-552.7	-26886.2
78.	10.1	1031.3	1.7	55608.6	-620.4	27115.3
117.	10.1	324.6	1.7	55608.6	-688.2	53556.4
156.	10.1	-382.0	1.7	55608.6	-755.9	52437.0
195.	10.1	-1088.7	1.7	55608.6	-823.6	23757.0
234.	10.1	-1795.4	1.7	55608.6	-891.3	-32483.5
273.	10.1	-2502.1	1.7	55608.6	-959.0	-116284.5
312.	10.1	-3208.8	1.7	55608.6	-1026.7	-227646.0
Asta	92	odi	45	106		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-11.9	3229.5	-6.5	-84846.4	-966.3	-177912.9
45.	-11.9	2422.0	-6.5	-84846.4	-676.6	-51991.8
89.	-11.9	1614.5	-6.5	-84846.4	-386.8	37946.2
134.	-11.9	807.0	-6.5	-84846.4	-97.0	91901.3
178.	-11.9	-0.4	-6.5	-84846.4	192.8	109873.4
223.	-11.9	-807.9	-6.5	-84846.4	482.5	91862.5
267.	-11.9	-1615.4	-6.5	-84846.4	772.3	37868.6
312.	-11.9	-2422.9	-6.5	-84846.4	1062.1	-52108.3
357.	-11.9	-3230.3	-6.5	-84846.4	1351.9	-178068.2
Asta	93	odi	87	107		

Progetto esecutivo

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PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.2	1442.2	0.1	-24039.2	12.1	-160512.0
45.	-0.2	1303.2	0.1	-24039.2	7.7	-99341.4
89.	-0.2	1164.1	0.1	-24039.2	3.2	-44366.6
134.	-0.2	1025.1	0.1	-24039.2	-1.2	4412.5
178.	-0.2	886.1	0.1	-24039.2	-5.6	46995.8
223.	-0.2	747.0	0.1	-24039.2	-10.1	83383.4
267.	-0.2	608.0	0.1	-24039.2	-14.5	113575.3
312.	-0.2	469.0	0.1	-24039.2	-19.0	137571.4
357.	-0.2	329.9	0.1	-24039.2	-23.4	155371.8
Asta 94 nodi 107 108						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.6	-796.4	0.1	-40349.8	17.9	174995.5
39.	0.6	-918.1	0.1	-40349.8	13.5	141563.7
78.	0.6	-1039.7	0.1	-40349.8	9.2	103386.5
117.	0.6	-1161.4	0.1	-40349.8	4.8	60463.8
156.	0.6	-1283.1	0.1	-40349.8	0.5	12795.5
195.	0.6	-1404.8	0.1	-40349.8	-3.9	-39618.3
234.	0.6	-1526.5	0.1	-40349.8	-8.2	-96777.6
273.	0.6	-1648.1	0.1	-40349.8	-12.6	-158682.5
312.	0.6	-1769.8	0.1	-40349.8	-16.9	-225332.8
Asta 95 nodi 108 65						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.9	986.2	0.1	26518.7	26.3	-101043.2
76.	-0.9	748.9	0.1	26518.7	20.9	-35056.0
152.	-0.9	511.6	0.1	26518.7	15.4	12880.5
228.	-0.9	274.3	0.1	26518.7	10.0	42766.2
304.	-0.9	36.9	0.1	26518.7	4.6	54601.2
380.	-0.9	-200.4	0.1	26518.7	-0.8	48385.4
456.	-0.9	-437.7	0.1	26518.7	-6.2	24118.8
532.	-0.9	-675.0	0.1	26518.7	-11.6	-18198.6
609.	-0.9	-912.3	0.1	26518.7	-17.0	-78566.8
Asta 96 nodi 70 69						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.6	928.7	-0.1	-23067.0	-24.2	-78692.1
76.	-0.6	691.4	-0.1	-23067.0	-18.8	-17078.6
152.	-0.6	454.1	-0.1	-23067.0	-13.5	26484.1
228.	-0.6	216.8	-0.1	-23067.0	-8.1	51996.1
304.	-0.6	-20.6	-0.1	-23067.0	-2.7	59457.3
380.	-0.6	-257.9	-0.1	-23067.0	2.7	48867.7
456.	-0.6	-495.2	-0.1	-23067.0	8.0	20227.3
532.	-0.6	-732.5	-0.1	-23067.0	13.4	-26463.9
609.	-0.6	-969.8	-0.1	-23067.0	18.8	-91205.8
Asta 97 nodi 109 70						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.5	130.7	0.0	-50572.6	8.3	27230.2
39.	-0.5	9.0	0.0	-50572.6	7.3	29952.9
78.	-0.5	-112.7	0.0	-50572.6	6.4	27930.0
117.	-0.5	-234.4	0.0	-50572.6	5.4	21161.6
156.	-0.5	-356.1	0.0	-50572.6	4.4	9647.6
195.	-0.5	-477.7	0.0	-50572.6	3.5	-6611.8
234.	-0.5	-599.4	0.0	-50572.6	2.5	-27616.8
273.	-0.5	-721.1	0.0	-50572.6	1.5	-53367.3
312.	-0.5	-842.8	0.0	-50572.6	0.6	-83863.3
Asta 98 nodi 82 109						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.7	680.3	0.0	72998.0	-2.8	-38768.1
45.	-0.7	541.3	0.0	72998.0	-2.4	-11549.5
89.	-0.7	402.2	0.0	72998.0	-1.9	9473.3
134.	-0.7	263.2	0.0	72998.0	-1.5	24300.4
178.	-0.7	124.2	0.0	72998.0	-1.0	32931.8
223.	-0.7	-14.9	0.0	72998.0	-0.6	35367.3
267.	-0.7	-153.9	0.0	72998.0	-0.1	31607.2
312.	-0.7	-292.9	0.0	72998.0	0.3	21651.3
357.	-0.7	-432.0	0.0	72998.0	0.8	5499.7
Asta 99 nodi 84 80						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.8	1108.2	0.0	16870.5	-9.2	-127313.6
45.	-0.8	969.2	0.0	16870.5	-7.7	-81027.7
89.	-0.8	830.1	0.0	16870.5	-6.2	-40937.6
134.	-0.8	691.1	0.0	16870.5	-4.7	-7043.2
178.	-0.8	552.1	0.0	16870.5	-3.2	20655.4
223.	-0.8	413.0	0.0	16870.5	-1.7	42158.2
267.	-0.8	274.0	0.0	16870.5	-0.2	57465.3
312.	-0.8	134.9	0.0	16870.5	1.3	66576.7
357.	-0.8	-4.1	0.0	16870.5	2.8	69492.3
Asta 100 nodi 84 83						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.4	7372.4	-0.1	-12314.7	-9.6	-503315.4
58.	-1.4	5505.7	-0.1	-12314.7	-6.5	-129449.0
116.	-1.4	3638.9	-0.1	-12314.7	-3.4	136029.3
174.	-1.4	1772.2	-0.1	-12314.7	-0.3	293119.7
232.	-1.4	-94.6	-0.1	-12314.7	2.8	341822.1
290.	-1.4	-1961.3	-0.1	-12314.7	5.9	282136.5
348.	-1.4	-3828.1	-0.1	-12314.7	9.0	114062.9
406.	-1.4	-5694.8	-0.1	-12314.7	12.0	-162398.7
465.	-1.4	-7561.6	-0.1	-12314.7	15.1	-547248.4

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Asta	101	odi	83	82		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.3	7120.9	0.0	4229.7	-13.4	-519572.0
53.	-1.3	5426.9	0.0	4229.7	-10.9	-189015.4
105.	-1.3	3733.0	0.0	4229.7	-8.4	52291.9
158.	-1.3	2039.1	0.0	4229.7	-5.9	204349.8
211.	-1.3	345.1	0.0	4229.7	-3.4	267158.4
263.	-1.3	-1348.8	0.0	4229.7	-0.9	240717.7
316.	-1.3	-3042.7	0.0	4229.7	1.6	125027.7
369.	-1.3	-4736.7	0.0	4229.7	4.1	-79911.7
422.	-1.3	-6430.6	0.0	4229.7	6.6	-374100.4
Asta	102	odi	86	85		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.8	7491.8	0.0	9746.6	-8.8	-524377.4
58.	-0.8	5625.1	0.0	9746.6	-7.0	-143577.8
116.	-0.8	3758.3	0.0	9746.6	-5.3	128833.8
174.	-0.8	1891.6	0.0	9746.6	-3.5	292857.4
232.	-0.8	24.8	0.0	9746.6	-1.7	348492.9
290.	-0.8	-1841.9	0.0	9746.6	0.1	295740.5
348.	-0.8	-3708.7	0.0	9746.6	1.9	134600.0
406.	-0.8	-5575.4	0.0	9746.6	3.7	-134928.4
465.	-0.8	-7442.2	0.0	9746.6	5.5	-512844.9
Asta	103	odi	87	86		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.9	5902.5	-0.1	-11566.8	-9.4	-318153.4
49.	-0.9	4325.1	-0.1	-11566.8	-6.2	-67259.1
98.	-0.9	2747.7	-0.1	-11566.8	-2.9	106244.4
147.	-0.9	1170.3	-0.1	-11566.8	0.4	202357.1
196.	-0.9	-407.1	-0.1	-11566.8	3.7	221079.1
245.	-0.9	-1984.5	-0.1	-11566.8	6.9	162410.3
294.	-0.9	-3561.9	-0.1	-11566.8	10.2	26350.8
343.	-0.9	-5139.3	-0.1	-11566.8	13.5	-187099.5
393.	-0.9	-6716.7	-0.1	-11566.8	16.7	-477940.5
Asta	104	odi	85	79		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.2	1079.2	-0.1	-29013.5	-15.9	-119686.1
45.	-0.2	940.2	-0.1	-29013.5	-10.2	-74691.9
89.	-0.2	801.1	-0.1	-29013.5	-4.5	-35893.5
134.	-0.2	662.1	-0.1	-29013.5	1.3	-3290.8
178.	-0.2	523.1	-0.1	-29013.5	7.0	23116.1
223.	-0.2	384.0	-0.1	-29013.5	12.7	43327.3
267.	-0.2	245.0	-0.1	-29013.5	18.5	57342.7
312.	-0.2	106.0	-0.1	-29013.5	24.2	65162.4
357.	-0.2	-33.1	-0.1	-29013.5	29.9	66786.3
Asta	105	odi	79	90		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.9	6314.9	0.1	-11348.3	-4.8	-428453.9
38.	-1.9	4865.4	0.1	-11348.3	-8.6	-213581.6
77.	-1.9	3415.9	0.1	-11348.3	-12.4	-54425.5
115.	-1.9	1966.4	0.1	-11348.3	-16.2	49014.5
154.	-1.9	516.8	0.1	-11348.3	-19.9	96738.5
192.	-1.9	-932.7	0.1	-11348.3	-23.7	88746.4
231.	-1.9	-2382.2	0.1	-11348.3	-27.5	25038.1
269.	-1.9	-3831.7	0.1	-11348.3	-31.2	-94386.2
308.	-1.9	-5281.3	0.1	-11348.3	-35.0	-269526.6
Asta	106	odi	90	89		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.8	6200.2	-0.1	881.6	12.7	-303934.7
41.	-1.8	4654.0	-0.1	881.6	16.7	-81422.6
82.	-1.8	3107.9	-0.1	881.6	20.7	77697.1
123.	-1.8	1561.7	-0.1	881.6	24.7	173424.2
164.	-1.8	15.6	-0.1	881.6	28.6	205758.8
205.	-1.8	-1530.6	-0.1	881.6	32.6	174700.8
246.	-1.8	-3076.7	-0.1	881.6	36.6	80250.3
287.	-1.8	-4622.9	-0.1	881.6	40.6	-77592.7
328.	-1.8	-6169.1	-0.1	881.6	44.5	-298828.2
Asta	107	odi	89	80		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.8	5204.1	-0.3	14210.8	-64.0	-264879.4
39.	-1.8	3735.7	-0.3	14210.8	-52.5	-90833.4
78.	-1.8	2267.3	-0.3	14210.8	-40.9	26037.5
117.	-1.8	798.9	-0.3	14210.8	-29.3	85733.4
156.	-1.8	-669.4	-0.3	14210.8	-17.8	88254.3
195.	-1.8	-2137.8	-0.3	14210.8	-6.2	33600.2
234.	-1.8	-3606.2	-0.3	14210.8	5.3	-78229.1
273.	-1.8	-5074.6	-0.3	14210.8	16.9	-247233.3
312.	-1.8	-6543.0	-0.3	14210.8	28.5	-473412.6
Asta	108	odi	96	69		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.4	5001.8	0.0	-18659.9	1.0	-193395.6
34.	-1.4	3689.1	0.0	-18659.9	-0.2	-44563.6
69.	-1.4	2376.5	0.0	-18659.9	-1.3	59309.7
103.	-1.4	1063.8	0.0	-18659.9	-2.5	118224.4
137.	-1.4	-248.9	0.0	-18659.9	-3.6	132180.6
171.	-1.4	-1561.5	0.0	-18659.9	-4.8	101178.0
206.	-1.4	-2874.2	0.0	-18659.9	-5.9	25216.9

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240.	-1.4	-4186.8	0.0	-18659.9	-7.1	-95702.8
274.	-1.4	-5499.5	0.0	-18659.9	-8.2	-261581.2
Asta	109	nodì	65	66		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.5	7480.5	-0.1	8417.4	-11.6	-425050.8
50.	-1.5	5580.9	-0.1	8417.4	-8.5	-101372.8
99.	-1.5	3681.4	-0.1	8417.4	-5.5	128159.9
149.	-1.5	1781.9	-0.1	8417.4	-2.4	263547.5
198.	-1.5	-117.6	-0.1	8417.4	0.6	304789.8
248.	-1.5	-2017.2	-0.1	8417.4	3.7	251886.9
297.	-1.5	-3916.7	-0.1	8417.4	6.7	104838.9
347.	-1.5	-5816.2	-0.1	8417.4	9.8	-136354.4
397.	-1.5	-7715.7	-0.1	8417.4	12.8	-471692.9
Asta	110	nodì	66	67		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.6	7327.8	-0.1	-12773.0	-22.8	-457182.5
50.	-1.6	5411.5	-0.1	-12773.0	-16.4	-138697.8
100.	-1.6	3495.3	-0.1	-12773.0	-10.1	83972.3
150.	-1.6	1579.0	-0.1	-12773.0	-3.7	210827.8
200.	-1.6	-337.3	-0.1	-12773.0	2.6	241868.6
250.	-1.6	-2253.6	-0.1	-12773.0	9.0	177094.8
300.	-1.6	-4169.9	-0.1	-12773.0	15.3	16506.3
350.	-1.6	-6086.2	-0.1	-12773.0	21.7	-239896.7
400.	-1.6	-8002.5	-0.1	-12773.0	28.0	-592114.4
Asta	111	nodì	67	68		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2.9	9990.1	-0.1	11349.3	-14.0	-711303.5
50.	-2.9	7643.8	-0.1	11349.3	-10.8	-267701.3
101.	-2.9	5297.4	-0.1	11349.3	-7.6	57849.3
151.	-2.9	2951.0	-0.1	11349.3	-4.5	265348.3
201.	-2.9	604.7	-0.1	11349.3	-1.3	354795.8
252.	-2.9	-1741.7	-0.1	11349.3	1.9	326191.8
302.	-2.9	-4088.1	-0.1	11349.3	5.0	179536.1
352.	-2.9	-6434.4	-0.1	11349.3	8.2	-85171.0
403.	-2.9	-8780.8	-0.1	11349.3	11.4	-467929.7
Asta	112	nodì	68	93		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2.4	6848.9	-0.1	-11650.0	-18.7	-393645.1
37.	-2.4	5123.4	-0.1	-11650.0	-14.2	-172158.4
74.	-2.4	3397.8	-0.1	-11650.0	-9.6	-14516.2
111.	-2.4	1672.3	-0.1	-11650.0	-5.1	79281.5
148.	-2.4	-53.2	-0.1	-11650.0	-0.5	109234.7
185.	-2.4	-1778.7	-0.1	-11650.0	4.0	75343.5
222.	-2.4	-3504.3	-0.1	-11650.0	8.6	-22392.2
259.	-2.4	-5229.8	-0.1	-11650.0	13.1	-183972.4
296.	-2.4	-6955.3	-0.1	-11650.0	17.7	-409397.1
Asta	113	nodì	93	94		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.5	9055.0	-0.1	15671.7	-5.8	-617445.9
44.	-1.5	6982.6	-0.1	15671.7	-3.5	-261110.5
89.	-1.5	4910.2	-0.1	15671.7	-1.1	3133.5
133.	-1.5	2837.8	-0.1	15671.7	1.2	175286.1
178.	-1.5	765.5	-0.1	15671.7	3.6	255347.2
222.	-1.5	-1306.9	-0.1	15671.7	5.9	243317.0
267.	-1.5	-3379.3	-0.1	15671.7	8.3	139195.3
311.	-1.5	-5451.7	-0.1	15671.7	10.6	-57017.8
356.	-1.5	-7524.1	-0.1	15671.7	12.9	-345322.3
Asta	114	nodì	94	95		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2.5	6274.5	-0.2	3297.4	-26.5	-353201.2
37.	-2.5	4854.0	-0.2	3297.4	-20.7	-146975.2
74.	-2.5	3433.6	-0.2	3297.4	-14.9	6605.3
111.	-2.5	2013.1	-0.2	3297.4	-9.1	107540.2
148.	-2.5	592.7	-0.2	3297.4	-3.3	155829.7
185.	-2.5	-827.8	-0.2	3297.4	2.5	151473.7
222.	-2.5	-2248.2	-0.2	3297.4	8.3	94472.2
259.	-2.5	-3668.7	-0.2	3297.4	14.1	-15174.8
297.	-2.5	-5089.1	-0.2	3297.4	19.9	-177467.3
Asta	115	nodì	95	96		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3.0	4809.2	-0.1	-4311.1	-10.5	-158396.9
34.	-3.0	3520.5	-0.1	-4311.1	-7.5	-18353.9
67.	-3.0	2231.8	-0.1	-4311.1	-4.6	78356.4
101.	-3.0	943.1	-0.1	-4311.1	-1.6	131733.9
135.	-3.0	-345.6	-0.1	-4311.1	1.4	141778.6
168.	-3.0	-1634.3	-0.1	-4311.1	4.4	108490.6
202.	-3.0	-2923.0	-0.1	-4311.1	7.4	31869.8
235.	-3.0	-4211.7	-0.1	-4311.1	10.3	-88083.7
269.	-3.0	-5500.5	-0.1	-4311.1	13.3	-251370.0
Asta	116	nodì	39	31		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-21.6	4129.3	0.8	-8855.3	200.2	-331791.8
45.	-21.6	3321.8	0.8	-8855.3	162.6	-165771.8
89.	-21.6	2514.3	0.8	-8855.3	124.9	-35734.8
134.	-21.6	1706.9	0.8	-8855.3	87.2	58319.2
178.	-21.6	899.4	0.8	-8855.3	49.6	116390.2

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223.	-21.6	91.9	0.8	-8855.3	11.9	138478.2
267.	-21.6	-715.5	0.8	-8855.3	-25.8	124583.2
312.	-21.6	-1523.0	0.8	-8855.3	-63.4	74705.3
357.	-21.6	-2330.5	0.8	-8855.3	-101.1	-11155.7
Asta	117	odi	41	29		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-14.3	4037.0	-0.4	-5430.4	-119.6	-318054.4
45.	-14.3	3229.6	-0.4	-5430.4	-100.6	-156145.5
89.	-14.3	2422.1	-0.4	-5430.4	-81.7	-30219.6
134.	-14.3	1614.6	-0.4	-5430.4	-62.7	59723.3
178.	-14.3	807.1	-0.4	-5430.4	-43.7	113683.2
223.	-14.3	-0.3	-0.4	-5430.4	-24.8	131660.1
267.	-14.3	-807.8	-0.4	-5430.4	-5.8	113654.0
312.	-14.3	-1615.3	-0.4	-5430.4	13.1	59664.9
357.	-14.3	-2422.7	-0.4	-5430.4	32.1	-30307.2
Asta	118	odi	64	10		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.0	6392.7	0.6	-42866.2	99.3	-239515.7
34.	-1.0	4675.8	0.6	-42866.2	77.5	-49966.9
69.	-1.0	2959.0	0.6	-42866.2	55.8	80779.8
103.	-1.0	1242.1	0.6	-42866.2	34.0	152724.2
137.	-1.0	-474.7	0.6	-42866.2	12.3	165866.4
171.	-1.0	-2191.6	0.6	-42866.2	-9.5	120206.4
206.	-1.0	-3908.4	0.6	-42866.2	-31.3	15744.1
240.	-1.0	-5625.3	0.6	-42866.2	-53.0	-147520.3
274.	-1.0	-7342.1	0.6	-42866.2	-74.8	-369587.0
Asta	119	odi	2	4		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.6	9828.5	0.0	26714.5	-23.1	-589876.6
50.	-1.6	7344.1	0.0	26714.5	-21.4	-164316.5
99.	-1.6	4859.7	0.0	26714.5	-19.8	138109.3
149.	-1.6	2375.3	0.0	26714.5	-18.2	317400.9
198.	-1.6	-109.2	0.0	26714.5	-16.5	373558.1
248.	-1.6	-2593.6	0.0	26714.5	-14.9	306581.1
297.	-1.6	-5078.0	0.0	26714.5	-13.3	116469.8
347.	-1.6	-7562.4	0.0	26714.5	-11.6	-196775.8
397.	-1.6	-10046.9	0.0	26714.5	-10.0	-633155.7
Asta	120	odi	4	6		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.3	9743.6	0.1	-9790.7	26.8	-617148.7
50.	0.3	7237.2	0.1	-9790.7	20.6	-192629.4
100.	0.3	4730.9	0.1	-9790.7	14.3	106572.2
150.	0.3	2224.5	0.1	-9790.7	8.0	280456.1
200.	0.3	-281.9	0.1	-9790.7	1.7	329022.2
250.	0.3	-2788.2	0.1	-9790.7	-4.5	252270.5
300.	0.3	-5294.6	0.1	-9790.7	-10.8	50201.1
350.	0.3	-7800.9	0.1	-9790.7	-17.1	-277186.1
400.	0.3	-10307.3	0.1	-9790.7	-23.3	-729891.0
Asta	121	odi	6	8		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	1.8	10670.2	0.2	12447.6	34.1	-764362.8
50.	1.8	8148.1	0.2	12447.6	23.9	-290965.1
101.	1.8	5626.1	0.2	12447.6	13.6	55543.5
151.	1.8	3104.1	0.2	12447.6	3.4	275163.0
201.	1.8	582.1	0.2	12447.6	-6.9	367893.3
252.	1.8	-1939.9	0.2	12447.6	-17.1	333734.6
302.	1.8	-4462.0	0.2	12447.6	-27.4	172686.7
352.	1.8	-6984.0	0.2	12447.6	-37.6	-115250.3
403.	1.8	-9506.0	0.2	12447.6	-47.9	-530076.4
Asta	122	odi	8	58		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	2.5	7319.2	0.2	-13747.0	27.0	-403738.8
37.	2.5	5464.5	0.2	-13747.0	20.6	-167239.6
74.	2.5	3609.8	0.2	-13747.0	14.1	635.7
111.	2.5	1755.1	0.2	-13747.0	7.7	99887.0
148.	2.5	-99.6	0.2	-13747.0	1.3	130514.2
185.	2.5	-1954.3	0.2	-13747.0	-5.2	92517.5
222.	2.5	-3809.0	0.2	-13747.0	-11.6	-14103.3
259.	2.5	-5663.7	0.2	-13747.0	-18.0	-189348.0
296.	2.5	-7518.4	0.2	-13747.0	-24.5	-433216.7
Asta	123	odi	58	60		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	2.1	9603.5	-0.1	14823.0	-8.2	-646346.5
44.	2.1	7375.9	-0.1	14823.0	-2.5	-269085.1
89.	2.1	5148.4	-0.1	14823.0	3.2	9190.7
133.	2.1	2920.9	-0.1	14823.0	8.9	188480.9
178.	2.1	693.4	-0.1	14823.0	14.6	268785.6
222.	2.1	-1534.1	-0.1	14823.0	20.3	250104.8
267.	2.1	-3761.7	-0.1	14823.0	25.9	132438.4
311.	2.1	-5989.2	-0.1	14823.0	31.6	-84213.6
356.	2.1	-8216.7	-0.1	14823.0	37.3	-399851.1
Asta	124	odi	60	62		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	1.9	7981.5	-0.2	1105.5	-52.0	-427743.8
37.	1.9	6123.7	-0.2	1105.5	-43.5	-166357.5
74.	1.9	4265.8	-0.2	1105.5	-34.9	26172.8

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111.	1.9	2408.0	-0.2	1105.5	-26.3	149847.0
148.	1.9	550.2	-0.2	1105.5	-17.8	204665.1
185.	1.9	-1307.7	-0.2	1105.5	-9.2	190627.3
222.	1.9	-3165.5	-0.2	1105.5	-0.6	107733.4
259.	1.9	-5023.4	-0.2	1105.5	7.9	-44016.5
297.	1.9	-6881.2	-0.2	1105.5	16.5	-264622.5
Asta	125	nodì	62	64		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	2.2	6308.1	0.7	-9006.3	61.1	-224076.5
34.	2.2	4622.5	0.7	-9006.3	38.1	-40305.9
67.	2.2	2937.0	0.7	-9006.3	15.2	86789.0
101.	2.2	1251.5	0.7	-9006.3	-7.7	157208.2
135.	2.2	-434.0	0.7	-9006.3	-30.6	170951.6
168.	2.2	-2119.6	0.7	-9006.3	-53.5	128019.3
202.	2.2	-3805.1	0.7	-9006.3	-76.4	28411.3
235.	2.2	-5490.6	0.7	-9006.3	-99.3	-127872.5
269.	2.2	-7176.1	0.7	-9006.3	-122.2	-340832.0
Asta	126	nodì	36	110		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.2	3382.1	0.9	87586.2	108.0	-191556.2
45.	-0.2	2574.6	0.9	87586.2	70.1	-58833.0
89.	-0.2	1767.2	0.9	87586.2	32.2	37907.3
134.	-0.2	959.7	0.9	87586.2	-5.8	98664.5
178.	-0.2	152.2	0.9	87586.2	-43.7	123438.8
223.	-0.2	-655.3	0.9	87586.2	-81.6	112230.1
267.	-0.2	-1462.7	0.9	87586.2	-119.5	65038.3
312.	-0.2	-2270.2	0.9	87586.2	-157.4	-18136.4
357.	-0.2	-3077.7	0.9	87586.2	-195.3	-137294.1
Asta	127	nodì	12	10		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.3	5517.0	0.0	-23743.3	-7.3	-529095.8
76.	-0.3	4138.8	0.0	-23743.3	-10.8	-161873.4
152.	-0.3	2760.5	0.0	-23743.3	-14.4	100515.7
228.	-0.3	1382.3	0.0	-23743.3	-17.9	258071.5
304.	-0.3	4.0	0.0	-23743.3	-21.4	310793.9
380.	-0.3	-1374.2	0.0	-23743.3	-24.9	258683.0
456.	-0.3	-2752.5	0.0	-23743.3	-28.5	101738.8
532.	-0.3	-4130.7	0.0	-23743.3	-32.0	-160038.7
609.	-0.3	-5509.0	0.0	-23743.3	-35.5	-526649.6
Asta	128	nodì	110	12		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.4	2268.1	0.5	-67902.2	163.5	-87743.3
39.	-0.4	1561.4	0.5	-67902.2	142.4	-13068.4
78.	-0.4	854.7	0.5	-67902.2	121.2	34046.0
117.	-0.4	148.0	0.5	-67902.2	100.1	53599.8
156.	-0.4	-558.6	0.5	-67902.2	78.9	45593.2
195.	-0.4	-1265.3	0.5	-67902.2	57.8	10026.0
234.	-0.4	-1972.0	0.5	-67902.2	36.7	-53101.7
273.	-0.4	-2678.7	0.5	-67902.2	15.5	-143789.9
312.	-0.4	-3385.4	0.5	-67902.2	-5.6	-262038.7
Asta	130	nodì	38	36		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.1	8064.8	0.0	9631.3	-9.8	-581752.2
53.	0.1	6122.2	0.0	9631.3	-8.2	-208013.3
105.	0.1	4179.5	0.0	9631.3	-6.6	63370.2
158.	0.1	2236.8	0.0	9631.3	-5.0	232398.3
211.	0.1	294.1	0.0	9631.3	-3.4	299071.0
263.	0.1	-1648.6	0.0	9631.3	-1.8	263388.4
316.	0.1	-3591.3	0.0	9631.3	-0.2	125350.3
369.	0.1	-5534.0	0.0	9631.3	1.4	-115043.1
422.	0.1	-7476.7	0.0	9631.3	3.0	-457792.0
Asta	131	nodì	44	42		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3.2	8566.8	0.2	13394.0	62.5	-608376.9
58.	-3.2	6426.0	0.2	13394.0	51.5	-173116.9
116.	-3.2	4285.1	0.2	13394.0	40.6	137838.6
174.	-3.2	2144.2	0.2	13394.0	29.6	324489.5
232.	-3.2	3.3	0.2	13394.0	18.7	386835.9
290.	-3.2	-2137.5	0.2	13394.0	7.7	324877.7
348.	-3.2	-4278.4	0.2	13394.0	-3.2	138615.0
406.	-3.2	-6419.3	0.2	13394.0	-14.2	-171952.3
465.	-3.2	-8560.2	0.2	13394.0	-25.1	-606824.0
Asta	132	nodì	40	38		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.4	8487.4	-0.1	-17290.3	-8.3	-596774.7
58.	-1.4	6346.5	-0.1	-17290.3	-5.2	-166129.8
116.	-1.4	4205.6	-0.1	-17290.3	-2.1	140210.6
174.	-1.4	2064.7	-0.1	-17290.3	1.0	322246.4
232.	-1.4	-76.1	-0.1	-17290.3	4.1	379977.7
290.	-1.4	-2217.0	-0.1	-17290.3	7.2	313404.5
348.	-1.4	-4357.9	-0.1	-17290.3	10.3	122526.7
406.	-1.4	-6498.8	-0.1	-17290.3	13.4	-192655.6
465.	-1.4	-8639.6	-0.1	-17290.3	16.5	-632142.5
Asta	133	nodì	46	44		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.2	6967.4	0.1	-25123.5	-16.1	-414844.0

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49.	-0.2	5158.4	0.1	-25123.5	-20.4	-117382.1
98.	-0.2	3349.4	0.1	-25123.5	-24.7	91324.3
147.	-0.2	1540.3	0.1	-25123.5	-29.0	211275.3
196.	-0.2	-268.7	0.1	-25123.5	-33.3	242471.0
245.	-0.2	-2077.7	0.1	-25123.5	-37.6	184911.2
294.	-0.2	-3886.7	0.1	-25123.5	-41.9	38595.9
343.	-0.2	-5695.8	0.1	-25123.5	-46.2	-196474.7
393.	-0.2	-7504.8	0.1	-25123.5	-50.5	-520300.7
Asta	134	nodì	40	32		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2.7	4054.8	0.5	-9451.4	70.4	-307684.1
45.	-2.7	3247.4	0.5	-9451.4	49.3	-144981.6
89.	-2.7	2439.9	0.5	-9451.4	28.2	-18262.2
134.	-2.7	1632.4	0.5	-9451.4	7.1	72474.3
178.	-2.7	825.0	0.5	-9451.4	-14.0	127227.8
223.	-2.7	17.5	0.5	-9451.4	-35.0	145998.3
267.	-2.7	-790.0	0.5	-9451.4	-56.1	128785.8
312.	-2.7	-1597.5	0.5	-9451.4	-77.2	75590.3
357.	-2.7	-2404.9	0.5	-9451.4	-98.3	-13588.2
Asta	135	nodì	42	30		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-4.3	3868.3	-1.0	-8552.4	-136.4	-283310.9
45.	-4.3	3060.8	-1.0	-8552.4	-91.6	-128921.5
89.	-4.3	2253.4	-1.0	-8552.4	-46.8	-10515.0
134.	-4.3	1445.9	-1.0	-8552.4	-1.9	71908.4
178.	-4.3	638.4	-1.0	-8552.4	42.9	118348.9
223.	-4.3	-169.1	-1.0	-8552.4	87.7	128806.4
267.	-4.3	-976.5	-1.0	-8552.4	132.5	103280.9
312.	-4.3	-1784.0	-1.0	-8552.4	177.3	41772.4
357.	-4.3	-2591.5	-1.0	-8552.4	222.1	-55719.1
Asta	136	nodì	50	32		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.4	4289.4	-2.0	-3228.7	-460.5	-197482.9
39.	-1.4	2944.8	-2.0	-3228.7	-383.9	-56642.4
78.	-1.4	1600.3	-2.0	-3228.7	-307.3	31844.4
117.	-1.4	255.7	-2.0	-3228.7	-230.7	67977.4
156.	-1.4	-1088.9	-2.0	-3228.7	-154.1	51756.6
195.	-1.4	-2433.4	-2.0	-3228.7	-77.6	-16817.9
234.	-1.4	-3778.0	-2.0	-3228.7	-1.0	-137746.2
273.	-1.4	-5122.5	-2.0	-3228.7	75.6	-311028.2
312.	-1.4	-6467.1	-2.0	-3228.7	152.2	-536664.0
Asta	137	nodì	52	50		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.9	5698.2	0.3	-1530.7	302.0	-277871.9
41.	-0.9	4282.4	0.3	-1530.7	290.3	-73271.1
82.	-0.9	2866.6	0.3	-1530.7	278.5	73282.7
123.	-0.9	1450.8	0.3	-1530.7	266.8	161789.6
164.	-0.9	35.0	0.3	-1530.7	255.1	192249.5
205.	-0.9	-1380.7	0.3	-1530.7	243.4	164662.5
246.	-0.9	-2796.5	0.3	-1530.7	231.7	79028.5
287.	-0.9	-4212.3	0.3	-1530.7	220.0	-64652.4
328.	-0.9	-5628.1	0.3	-1530.7	208.2	-266380.2
Asta	138	nodì	30	52		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.6	6152.6	1.7	-4343.9	50.7	-470184.6
38.	0.6	4825.3	1.7	-4343.9	-13.4	-259204.2
77.	0.6	3498.0	1.7	-4343.9	-77.4	-99241.7
115.	0.6	2170.7	1.7	-4343.9	-141.5	9703.0
154.	0.6	843.4	1.7	-4343.9	-205.5	67629.9
192.	0.6	-483.9	1.7	-4343.9	-269.6	74538.9
231.	0.6	-1811.2	1.7	-4343.9	-333.7	30430.1
269.	0.6	-3138.5	1.7	-4343.9	-397.7	-64696.5
308.	0.6	-4465.8	1.7	-4343.9	-461.8	-210840.9
Asta	139	nodì	111	2		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.6	5604.8	0.4	31548.1	197.9	-566345.1
76.	-0.6	4226.5	0.4	31548.1	165.0	-192448.6
152.	-0.6	2848.3	0.4	31548.1	132.2	76614.5
228.	-0.6	1470.0	0.4	31548.1	99.4	240844.3
304.	-0.6	91.8	0.4	31548.1	66.5	300240.8
380.	-0.6	-1286.5	0.4	31548.1	33.7	254803.9
456.	-0.6	-2664.7	0.4	31548.1	0.9	104533.8
532.	-0.6	-4043.0	0.4	31548.1	-32.0	-150569.8
609.	-0.6	-5421.2	0.4	31548.1	-64.8	-510506.6
Asta	140	nodì	112	111		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	2.2	22.7	6.1	-136399.9	1059.5	272356.8
39.	2.2	-683.9	6.1	-136399.9	820.5	259463.0
78.	2.2	-1390.6	6.1	-136399.9	581.5	219008.7
117.	2.2	-2097.3	6.1	-136399.9	342.5	150993.9
156.	2.2	-2804.0	6.1	-136399.9	103.5	55418.6
195.	2.2	-3510.7	6.1	-136399.9	-135.5	-67717.3
234.	2.2	-4217.3	6.1	-136399.9	-374.5	-218413.7
273.	2.2	-4924.0	6.1	-136399.9	-613.5	-396670.6
312.	2.2	-5630.7	6.1	-136399.9	-852.5	-602488.0
Asta	141	nodì	46	112		

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PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2.1	5115.3	2.8	46236.1	288.4	-475411.0
45.	-2.1	4307.9	2.8	46236.1	163.9	-265450.5
89.	-2.1	3500.4	2.8	46236.1	39.4	-91473.1
134.	-2.1	2692.9	2.8	46236.1	-85.1	46521.4
178.	-2.1	1885.4	2.8	46236.1	-209.6	148532.9
223.	-2.1	1078.0	2.8	46236.1	-334.1	214561.4
267.	-2.1	270.5	2.8	46236.1	-458.6	244606.9
312.	-2.1	-537.0	2.8	46236.1	-583.1	238669.3
357.	-2.1	-1344.4	2.8	46236.1	-707.6	196748.9
Asta 142 nodi 13 11						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-27.3	4366.1	-25.8	19574.5	-1533.3	127151.5
34.	-27.3	2367.7	-25.8	19574.5	-650.1	242468.5
69.	-27.3	369.3	-25.8	19574.5	233.1	289339.3
103.	-27.3	-1629.2	-25.8	19574.5	1116.3	267763.7
137.	-27.3	-3627.6	-25.8	19574.5	1999.5	177741.9
171.	-27.3	-5626.0	-25.8	19574.5	2882.7	19273.8
206.	-27.3	-7624.5	-25.8	19574.5	3765.9	-207640.6
240.	-27.3	-9622.9	-25.8	19574.5	4649.1	-503001.3
274.	-27.3	-11621.3	-25.8	19574.5	5532.3	-866808.2
Asta 143 nodi 15 13						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	14.2	7440.4	5.5	3724.5	298.9	-233168.9
34.	14.2	5478.4	5.5	3724.5	114.7	-15971.2
67.	14.2	3516.5	5.5	3724.5	-69.5	135255.5
101.	14.2	1554.5	5.5	3724.5	-253.7	220511.1
135.	14.2	-407.5	5.5	3724.5	-437.9	239795.7
168.	14.2	-2369.4	5.5	3724.5	-622.2	193109.3
202.	14.2	-4331.4	5.5	3724.5	-806.4	80451.9
235.	14.2	-6293.4	5.5	3724.5	-990.6	-98176.6
269.	14.2	-8255.3	5.5	3724.5	-1174.8	-342776.2
Asta 144 nodi 17 15						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	14.0	9824.1	-1.5	585.6	-203.7	-515400.4
41.	14.0	7435.4	-1.5	585.6	-143.4	-162119.3
82.	14.0	5046.8	-1.5	585.6	-83.0	93377.0
123.	14.0	2658.2	-1.5	585.6	-22.7	251088.5
164.	14.0	269.5	-1.5	585.6	37.6	311015.2
205.	14.0	-2119.1	-1.5	585.6	98.0	273157.1
246.	14.0	-4507.7	-1.5	585.6	158.3	137514.2
287.	14.0	-6896.4	-1.5	585.6	218.6	-95913.5
328.	14.0	-9285.0	-1.5	585.6	279.0	-427126.0
Asta 145 nodi 19 17						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	22.3	10017.1	0.7	-8.1	56.6	-600417.3
41.	22.3	7632.1	0.7	-8.1	26.7	-239710.7
82.	22.3	5247.1	0.7	-8.1	-3.2	23509.4
123.	22.3	2862.2	0.7	-8.1	-33.1	189243.0
164.	22.3	477.2	0.7	-8.1	-63.0	257490.2
204.	22.3	-1907.8	0.7	-8.1	-92.9	228251.0
245.	22.3	-4292.8	0.7	-8.1	-122.8	101525.3
286.	22.3	-6677.8	0.7	-8.1	-152.7	-122686.8
327.	22.3	-9062.8	0.7	-8.1	-182.6	-444385.3
Asta 146 nodi 21 19						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	14.9	9584.7	-0.3	-775.6	-70.3	-547617.6
41.	14.9	7192.4	-0.3	-775.6	-59.6	-203687.9
82.	14.9	4800.1	-0.3	-775.6	-48.9	42158.2
123.	14.9	2407.8	-0.3	-775.6	-38.2	189920.7
164.	14.9	15.5	-0.3	-775.6	-27.5	239599.5
205.	14.9	-2376.7	-0.3	-775.6	-16.7	191194.8
246.	14.9	-4769.0	-0.3	-775.6	-6.0	44706.5
287.	14.9	-7161.3	-0.3	-775.6	4.7	-199865.5
328.	14.9	-9553.6	-0.3	-775.6	15.4	-542521.0
Asta 147 nodi 23 21						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	12.1	9070.0	-0.5	-4899.7	-307.1	-457017.1
41.	12.1	6688.6	-0.5	-4899.7	-287.0	-135442.4
82.	12.1	4307.3	-0.5	-4899.7	-266.8	88943.8
122.	12.1	1926.0	-0.5	-4899.7	-246.7	216141.4
163.	12.1	-455.4	-0.5	-4899.7	-226.5	246150.4
204.	12.1	-2836.7	-0.5	-4899.7	-206.4	178970.9
245.	12.1	-5218.1	-0.5	-4899.7	-186.3	14602.9
286.	12.1	-7599.4	-0.5	-4899.7	-166.1	-246953.7
327.	12.1	-9980.8	-0.5	-4899.7	-146.0	-605698.9
Asta 148 nodi 25 23						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-6.4	9080.9	7.4	-29089.5	1827.8	-413470.4
41.	-6.4	6681.3	7.4	-29089.5	1525.4	-89360.0
82.	-6.4	4281.7	7.4	-29089.5	1223.1	136067.9
123.	-6.4	1882.2	7.4	-29089.5	920.7	262813.1
165.	-6.4	-517.4	7.4	-29089.5	618.4	290875.8
206.	-6.4	-2917.0	7.4	-29089.5	316.0	220255.9
247.	-6.4	-5316.6	7.4	-29089.5	13.7	50953.5
288.	-6.4	-7716.1	7.4	-29089.5	-288.7	-217031.6
329.	-6.4	-10115.7	7.4	-29089.5	-591.0	-583699.3

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Asta	149	nod	55	25		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	2.7	10967.7	-32.4	20545.8	-8841.9	-541621.5
45.	2.7	8349.3	-32.4	20545.8	-7388.9	-108195.0
90.	2.7	5731.0	-32.4	20545.8	-5935.8	207731.6
135.	2.7	3112.6	-32.4	20545.8	-4482.7	406158.2
180.	2.7	494.2	-32.4	20545.8	-3029.7	487085.0
224.	2.7	-2124.2	-32.4	20545.8	-1576.6	450511.7
269.	2.7	-4742.6	-32.4	20545.8	-123.5	296438.6
314.	2.7	-7361.0	-32.4	20545.8	1329.5	24865.5
359.	2.7	-9979.3	-32.4	20545.8	2782.6	-364207.5
Asta	150	nod	105	55		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	10.8	17111.0	-79.5	-27499.6	3226.6	-1273611.1
19.	10.8	16017.0	-79.5	-27499.6	4716.8	-963035.6
38.	10.8	14923.0	-79.5	-27499.6	6207.1	-672973.2
56.	10.8	13828.9	-79.5	-27499.6	7697.3	-403423.8
75.	10.8	12734.9	-79.5	-27499.6	9187.6	-154387.6
94.	10.8	11640.9	-79.5	-27499.6	10677.8	74135.6
113.	10.8	10546.9	-79.5	-27499.6	12168.0	282145.6
131.	10.8	9452.8	-79.5	-27499.6	13658.3	469642.6
150.	10.8	8358.8	-79.5	-27499.6	15148.5	636626.4
Asta	151	nod	27	29		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-6.5	6510.0	8.4	-38498.7	1689.8	-210176.8
44.	-6.5	4548.4	8.4	-38498.7	1326.4	30343.0
87.	-6.5	2586.9	8.4	-38498.7	963.0	185535.4
131.	-6.5	625.3	8.4	-38498.7	599.6	255400.5
174.	-6.5	-1336.2	8.4	-38498.7	236.1	239938.0
218.	-6.5	-3297.8	8.4	-38498.7	-127.3	139148.2
261.	-6.5	-5259.3	8.4	-38498.7	-490.7	-46969.0
305.	-6.5	-7220.9	8.4	-38498.7	-854.1	-318413.7
348.	-6.5	-9182.4	8.4	-38498.7	-1217.5	-675185.8
Asta	152	nod	47	27		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-16.6	7548.4	-26.6	35861.4	-7199.8	-218024.6
45.	-16.6	5524.9	-26.6	35861.4	-6004.3	75307.3
90.	-16.6	3501.3	-26.6	35861.4	-4808.8	277832.2
135.	-16.6	1477.8	-26.6	35861.4	-3613.3	389550.2
180.	-16.6	-545.8	-26.6	35861.4	-2417.8	410461.3
224.	-16.6	-2569.3	-26.6	35861.4	-1222.3	340565.4
269.	-16.6	-4592.9	-26.6	35861.4	-26.8	179862.6
314.	-16.6	-6616.5	-26.6	35861.4	1168.8	-71647.2
359.	-16.6	-8640.0	-26.6	35861.4	2364.3	-413963.8
Asta	153	nod	106	47		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-21.6	12422.0	-195.3	29127.2	-11876.2	-716427.3
19.	-21.6	11576.5	-195.3	29127.2	-8214.7	-491441.5
38.	-21.6	10731.0	-195.3	29127.2	-4553.2	-282308.8
56.	-21.6	9885.5	-195.3	29127.2	-891.7	-89029.1
75.	-21.6	9040.0	-195.3	29127.2	2769.8	88397.6
94.	-21.6	8194.5	-195.3	29127.2	6431.3	249971.2
113.	-21.6	7349.0	-195.3	29127.2	10092.7	395691.8
131.	-21.6	6503.5	-195.3	29127.2	13754.2	525559.3
150.	-21.6	5658.0	-195.3	29127.2	17415.7	639573.8
Asta	154	nod	53	104		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-18.0	9356.2	26.9	-8539.5	2851.7	-482166.7
56.	-18.0	6842.3	26.9	-8539.5	1354.3	-30634.4
112.	-18.0	4328.3	26.9	-8539.5	-143.1	280745.8
167.	-18.0	1814.4	26.9	-8539.5	-1640.5	451973.9
223.	-18.0	-699.6	26.9	-8539.5	-3137.9	483049.7
279.	-18.0	-3213.5	26.9	-8539.5	-4635.3	373973.4
335.	-18.0	-5727.4	26.9	-8539.5	-6132.8	124744.9
390.	-18.0	-8241.4	26.9	-8539.5	-7630.2	-264635.7
446.	-18.0	-10755.3	26.9	-8539.5	-9127.6	-794168.5
Asta	156	nod	31	53		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	10.5	10784.0	-7.9	2354.6	-1297.0	-864986.1
55.	10.5	8303.9	-7.9	2354.6	-862.3	-340068.8
110.	10.5	5823.8	-7.9	2354.6	-427.6	48441.8
165.	10.5	3343.6	-7.9	2354.6	7.1	300545.8
220.	10.5	863.5	-7.9	2354.6	441.9	416243.2
275.	10.5	-1616.6	-7.9	2354.6	876.6	395534.0
330.	10.5	-4096.7	-7.9	2354.6	1311.3	238418.1
385.	10.5	-6576.8	-7.9	2354.6	1746.0	-55104.4
440.	10.5	-9057.0	-7.9	2354.6	2180.7	-485033.5
Asta	157	nod	14	12		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	3.0	5401.1	-1.2	24482.0	-6.2	-759.4
34.	3.0	3402.7	-1.2	24482.0	33.6	150004.8
69.	3.0	1404.2	-1.2	24482.0	73.3	232322.7
103.	3.0	-594.2	-1.2	24482.0	113.1	246194.3
137.	3.0	-2592.6	-1.2	24482.0	152.9	191619.7
171.	3.0	-4591.1	-1.2	24482.0	192.6	68598.7
206.	3.0	-6589.5	-1.2	24482.0	232.4	-122868.5

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240.	3.0	-8587.9	-1.2	24482.0	272.1	-382782.0
274.	3.0	-10586.4	-1.2	24482.0	311.9	-711141.7
Asta	158	nodì	16	14		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	6.2	7971.1	0.5	7773.6	30.9	-294070.0
34.	6.2	6009.1	0.5	7773.6	12.5	-59028.5
67.	6.2	4047.1	0.5	7773.6	-6.0	110042.1
101.	6.2	2085.2	0.5	7773.6	-24.5	213141.6
135.	6.2	123.2	0.5	7773.6	-42.9	250270.1
168.	6.2	-1838.8	0.5	7773.6	-61.4	221427.6
202.	6.2	-3800.7	0.5	7773.6	-79.9	126614.0
235.	6.2	-5762.7	0.5	7773.6	-98.3	-34170.6
269.	6.2	-7724.6	0.5	7773.6	-116.8	-260926.2
Asta	159	nodì	18	16		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	6.4	9878.8	0.1	2195.1	11.4	-511563.5
41.	6.4	7490.2	0.1	2195.1	7.7	-156040.5
82.	6.4	5101.6	0.1	2195.1	4.0	101697.7
123.	6.4	2712.9	0.1	2195.1	0.3	261651.0
164.	6.4	324.3	0.1	2195.1	-3.4	323819.6
205.	6.4	-2064.3	0.1	2195.1	-7.1	288203.4
246.	6.4	-4453.0	0.1	2195.1	-10.8	154802.4
287.	6.4	-6841.6	0.1	2195.1	-14.6	-76383.4
328.	6.4	-9230.2	0.1	2195.1	-18.3	-405354.0
Asta	160	nodì	20	18		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	5.5	9906.5	0.1	383.8	-2.7	-584092.7
41.	5.5	7521.6	0.1	383.8	-8.4	-227905.8
82.	5.5	5136.6	0.1	383.8	-14.0	30794.7
123.	5.5	2751.6	0.1	383.8	-19.6	192008.7
164.	5.5	366.6	0.1	383.8	-25.3	255736.3
204.	5.5	-2018.4	0.1	383.8	-30.9	221977.4
245.	5.5	-4403.4	0.1	383.8	-36.6	90732.1
286.	5.5	-6788.4	0.1	383.8	-42.2	-137999.6
327.	5.5	-9173.4	0.1	383.8	-47.8	-464217.8
Asta	161	nodì	22	20		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	6.4	9576.9	0.5	-759.7	106.1	-552565.0
41.	6.4	7184.6	0.5	-759.7	85.7	-208953.7
82.	6.4	4792.3	0.5	-759.7	65.2	36574.0
123.	6.4	2400.1	0.5	-759.7	44.7	184018.2
164.	6.4	7.8	0.5	-759.7	24.3	233378.7
205.	6.4	-2384.5	0.5	-759.7	3.8	184655.6
246.	6.4	-4776.8	0.5	-759.7	-16.6	37849.0
287.	6.4	-7169.1	0.5	-759.7	-37.1	-207041.3
328.	6.4	-9561.4	0.5	-759.7	-57.6	-550015.2
Asta	162	nodì	24	22		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	4.8	9215.1	-1.4	-3198.5	-394.7	-485567.5
41.	4.8	6833.8	-1.4	-3198.5	-337.6	-158068.7
82.	4.8	4452.5	-1.4	-3198.5	-280.5	72241.6
122.	4.8	2071.1	-1.4	-3198.5	-223.4	205363.3
163.	4.8	-310.2	-1.4	-3198.5	-166.3	241296.5
204.	4.8	-2691.6	-1.4	-3198.5	-109.1	180041.1
245.	4.8	-5072.9	-1.4	-3198.5	-52.0	21597.2
286.	4.8	-7454.3	-1.4	-3198.5	5.1	-234035.3
327.	4.8	-9835.6	-1.4	-3198.5	62.2	-586856.3
Asta	163	nodì	26	24		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	2.7	9118.7	6.5	-11357.1	1693.6	-408797.7
41.	2.7	6719.2	6.5	-11357.1	1426.5	-83131.1
82.	2.7	4319.6	6.5	-11357.1	1159.4	143853.0
123.	2.7	1920.0	6.5	-11357.1	892.3	272154.5
165.	2.7	-479.6	6.5	-11357.1	625.3	301773.4
206.	2.7	-2879.1	6.5	-11357.1	358.2	232709.8
247.	2.7	-5278.7	6.5	-11357.1	91.1	64963.5
288.	2.7	-7678.3	6.5	-11357.1	-176.0	-201465.3
329.	2.7	-10077.9	6.5	-11357.1	-443.1	-566576.7
Asta	164	nodì	56	26		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	5.6	10890.8	-31.5	11673.3	-8616.9	-524166.3
45.	5.6	8272.4	-31.5	11673.3	-7204.4	-94193.2
90.	5.6	5654.0	-31.5	11673.3	-5792.0	218280.0
135.	5.6	3035.6	-31.5	11673.3	-4379.6	413253.3
180.	5.6	417.2	-31.5	11673.3	-2967.1	490726.6
224.	5.6	-2201.1	-31.5	11673.3	-1554.7	450700.0
269.	5.6	-4819.5	-31.5	11673.3	-142.3	293173.4
314.	5.6	-7437.9	-31.5	11673.3	1270.1	18146.9
359.	5.6	-10056.3	-31.5	11673.3	2682.6	-374379.5
Asta	165	nodì	111	56		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	8.5	9327.4	-142.0	13221.2	-3845.2	-578118.8
19.	8.5	8233.3	-142.0	13221.2	-1182.5	-413487.4
38.	8.5	7139.3	-142.0	13221.2	1480.2	-269369.1
56.	8.5	6045.3	-142.0	13221.2	4143.0	-145763.9
75.	8.5	4951.2	-142.0	13221.2	6805.7	-42671.8

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94.	8.5	3857.2	-142.0	13221.2	9468.4	39907.2
113.	8.5	2763.2	-142.0	13221.2	12131.1	101973.1
131.	8.5	1669.1	-142.0	13221.2	14793.9	143525.9
150.	8.5	575.1	-142.0	13221.2	17456.6	164565.6
Asta	166	nod	28	30		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	2.8	6579.6	5.6	-76362.2	1645.5	-184655.6
44.	2.8	4618.0	5.6	-76362.2	1402.9	58891.2
87.	2.8	2656.5	5.6	-76362.2	1160.3	217110.5
131.	2.8	694.9	5.6	-76362.2	917.8	290002.4
174.	2.8	-1266.6	5.6	-76362.2	675.2	277566.8
218.	2.8	-3228.2	5.6	-76362.2	432.6	179803.9
261.	2.8	-5189.7	5.6	-76362.2	190.0	-3286.5
305.	2.8	-7151.3	5.6	-76362.2	-52.6	-271704.3
348.	2.8	-9112.8	5.6	-76362.2	-295.2	-625449.4
Asta	167	nod	48	28		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	2.4	9253.7	-32.0	82584.8	-8814.4	-662017.0
45.	2.4	7230.2	-32.0	82584.8	-7377.9	-292158.7
90.	2.4	5206.6	-32.0	82584.8	-5941.3	-13107.4
135.	2.4	3183.1	-32.0	82584.8	-4504.8	175136.9
180.	2.4	1159.5	-32.0	82584.8	-3068.2	272574.4
224.	2.4	-864.0	-32.0	82584.8	-1631.7	279204.9
269.	2.4	-2887.6	-32.0	82584.8	-195.2	195028.4
314.	2.4	-4911.1	-32.0	82584.8	1241.4	20045.0
359.	2.4	-6934.7	-32.0	82584.8	2677.9	-245745.3
Asta	168	nod	112	48		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.3	-1367.2	-126.3	75608.0	-1767.1	182635.9
19.	-0.3	-2212.7	-126.3	75608.0	600.5	149074.8
38.	-0.3	-3058.2	-126.3	75608.0	2968.2	99660.6
56.	-0.3	-3903.7	-126.3	75608.0	5335.8	34393.4
75.	-0.3	-4749.2	-126.3	75608.0	7703.5	-46726.8
94.	-0.3	-5594.7	-126.3	75608.0	10071.1	-143700.1
113.	-0.3	-6440.2	-126.3	75608.0	12438.8	-256526.5
131.	-0.3	-7285.6	-126.3	75608.0	14806.4	-385205.8
150.	-0.3	-8131.1	-126.3	75608.0	17174.1	-529738.3
Asta	169	nod	54	110		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.8	9823.4	0.9	-10636.2	44.2	-544611.8
56.	0.8	7309.5	0.9	-10636.2	-7.6	-67031.9
112.	0.8	4795.5	0.9	-10636.2	-59.4	270395.9
167.	0.8	2281.6	0.9	-10636.2	-111.2	467671.4
223.	0.8	-232.3	0.9	-10636.2	-163.1	524794.8
279.	0.8	-2746.3	0.9	-10636.2	-214.9	441766.0
335.	0.8	-5260.2	0.9	-10636.2	-266.7	218585.0
390.	0.8	-7774.2	0.9	-10636.2	-318.5	-144748.1
446.	0.8	-10288.1	0.9	-10636.2	-370.3	-648233.4
Asta	170	nod	32	54		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	3.3	10465.6	-0.1	567.5	75.7	-777536.1
55.	3.3	7985.5	-0.1	567.5	78.7	-270130.4
110.	3.3	5505.4	-0.1	567.5	81.7	100868.7
165.	3.3	3025.3	-0.1	567.5	84.6	335461.1
220.	3.3	545.1	-0.1	567.5	87.6	433646.9
275.	3.3	-1935.0	-0.1	567.5	90.6	395426.1
330.	3.3	-4415.1	-0.1	567.5	93.6	220798.7
385.	3.3	-6895.2	-0.1	567.5	96.5	-90235.4
440.	3.3	-9375.3	-0.1	567.5	99.5	-537676.1
Asta	171	nod	71	70		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-10.1	6054.7	0.0	-564.4	28.0	-49744.3
34.	-10.1	3959.1	0.0	-564.4	29.3	121742.3
69.	-10.1	1863.4	0.0	-564.4	30.6	221452.6
103.	-10.1	-232.2	0.0	-564.4	31.8	249386.6
137.	-10.1	-2327.9	0.0	-564.4	33.1	205544.4
171.	-10.1	-4423.6	0.0	-564.4	34.3	89925.7
206.	-10.1	-6519.2	0.0	-564.4	35.6	-97469.2
240.	-10.1	-8614.9	0.0	-564.4	36.8	-356640.4
274.	-10.1	-10710.5	0.0	-564.4	38.1	-687587.9
Asta	172	nod	72	71		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-9.5	8728.6	0.6	-477.0	70.8	-370947.9
34.	-9.5	6671.2	0.6	-477.0	49.6	-112038.8
67.	-9.5	4613.8	0.6	-477.0	28.4	77689.6
101.	-9.5	2556.4	0.6	-477.0	7.3	198237.4
135.	-9.5	498.9	0.6	-477.0	-13.9	249604.5
168.	-9.5	-1558.5	0.6	-477.0	-35.1	231791.0
202.	-9.5	-3615.9	0.6	-477.0	-56.3	144796.9
235.	-9.5	-5673.3	0.6	-477.0	-77.5	-11377.9
269.	-9.5	-7730.7	0.6	-477.0	-98.7	-236733.3
Asta	173	nod	73	72		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-6.7	10205.7	0.2	-225.0	42.9	-481614.8
41.	-6.7	7700.8	0.2	-225.0	33.4	-115091.4
82.	-6.7	5196.0	0.2	-225.0	23.9	148889.9

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123.	-6.7	2691.1	0.2	-225.0	14.4	310328.9
164.	-6.7	186.3	0.2	-225.0	4.9	369225.7
205.	-6.7	-2318.6	0.2	-225.0	-4.6	325580.4
246.	-6.7	-4823.4	0.2	-225.0	-14.1	179392.8
287.	-6.7	-7328.3	0.2	-225.0	-23.6	-69336.9
328.	-6.7	-9833.1	0.2	-225.0	-33.1	-420608.8

Asta	174	nod	74	73		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-5.9	5371.0	-0.1	38.3	-17.8	-328137.4
41.	-5.9	4047.2	-0.1	38.3	-15.7	-135653.0
82.	-5.9	2723.4	-0.1	38.3	-13.6	2720.2
123.	-5.9	1399.5	-0.1	38.3	-11.4	86982.0
164.	-5.9	75.7	-0.1	38.3	-9.3	117132.6
204.	-5.9	-1248.1	-0.1	38.3	-7.2	93171.9
245.	-5.9	-2571.9	-0.1	38.3	-5.0	15099.9
286.	-5.9	-3895.8	-0.1	38.3	-2.9	-117083.3
327.	-5.9	-5219.6	-0.1	38.3	-0.8	-303377.8

Asta	175	nod	75	74		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-6.4	5316.1	0.0	598.3	28.5	-314769.9
41.	-6.4	3988.3	0.0	598.3	27.0	-124030.2
82.	-6.4	2660.4	0.0	598.3	25.6	12266.8
123.	-6.4	1332.5	0.0	598.3	24.2	94121.0
164.	-6.4	4.6	0.0	598.3	22.7	121532.5
205.	-6.4	-1323.2	0.0	598.3	21.3	94501.3
246.	-6.4	-2651.1	0.0	598.3	19.8	13027.3
287.	-6.4	-3979.0	0.0	598.3	18.4	-122889.4
328.	-6.4	-5306.8	0.0	598.3	16.9	-313248.9

Asta	176	nod	76	75		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-7.6	5290.4	-0.9	1624.7	-231.5	-330809.7
41.	-7.6	3968.6	-0.9	1624.7	-194.7	-141870.2
82.	-7.6	2646.8	-0.9	1624.7	-157.9	-6876.7
122.	-7.6	1325.0	-0.9	1624.7	-121.1	74171.0
163.	-7.6	3.2	-0.9	1624.7	-84.3	101272.7
204.	-7.6	-1318.6	-0.9	1624.7	-47.5	74428.5
245.	-7.6	-2640.4	-0.9	1624.7	-10.7	-6361.7
286.	-7.6	-3962.2	-0.9	1624.7	26.1	-141097.7
327.	-7.6	-5284.0	-0.9	1624.7	62.9	-329779.7

Asta	177	nod	77	76		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-6.7	9821.6	-2.5	2283.0	-424.2	-443654.4
41.	-6.7	7305.2	-2.5	2283.0	-319.5	-91484.5
82.	-6.7	4788.9	-2.5	2283.0	-214.7	157201.7
123.	-6.7	2272.6	-2.5	2283.0	-109.9	302404.3
165.	-6.7	-243.7	-2.5	2283.0	-5.1	344123.2
206.	-6.7	-2760.0	-2.5	2283.0	99.7	282358.4
247.	-6.7	-5276.4	-2.5	2283.0	204.5	117110.0
288.	-6.7	-7792.7	-2.5	2283.0	309.3	-151622.1
329.	-6.7	-10309.0	-2.5	2283.0	414.1	-523837.9

Asta	178	nod	92	77		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-8.7	10940.2	-3.0	4610.9	-577.4	-455293.6
45.	-8.7	8194.4	-3.0	4610.9	-442.6	-25960.4
90.	-8.7	5448.7	-3.0	4610.9	-307.7	280156.3
135.	-8.7	2702.9	-3.0	4610.9	-172.8	463056.5
180.	-8.7	-42.9	-3.0	4610.9	-38.0	522740.2
224.	-8.7	-2788.7	-3.0	4610.9	96.9	459207.4
269.	-8.7	-5534.4	-3.0	4610.9	231.7	272458.0
314.	-8.7	-8280.2	-3.0	4610.9	366.6	-37507.8
359.	-8.7	-11026.0	-3.0	4610.9	501.5	-470690.1

Asta	179	nod	108	92		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-12.6	8652.3	-6.8	15254.4	-191.9	-580147.0
19.	-12.6	7505.0	-6.8	15254.4	-64.5	-428672.6
38.	-12.6	6357.8	-6.8	15254.4	62.8	-298709.2
56.	-12.6	5210.5	-6.8	15254.4	190.1	-190256.9
75.	-12.6	4063.2	-6.8	15254.4	317.5	-103315.7
94.	-12.6	2916.0	-6.8	15254.4	444.8	-37885.6
113.	-12.6	1768.7	-6.8	15254.4	572.1	6033.4
131.	-12.6	621.5	-6.8	15254.4	699.4	28441.3
150.	-12.6	-525.8	-6.8	15254.4	826.8	29338.1

Asta	180	nod	78	79		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3.9	3093.4	0.1	26241.2	75.4	-33150.2
44.	-3.9	2014.5	0.1	26241.2	70.7	77948.1
87.	-3.9	935.7	0.1	26241.2	66.0	142115.2
131.	-3.9	-143.2	0.1	26241.2	61.2	159351.0
174.	-3.9	-1222.1	0.1	26241.2	56.5	129655.5
218.	-3.9	-2301.0	0.1	26241.2	51.8	53028.6
261.	-3.9	-3379.9	0.1	26241.2	47.1	-70529.5
305.	-3.9	-4458.7	0.1	26241.2	42.3	-241018.9
348.	-3.9	-5537.6	0.1	26241.2	37.6	-458439.7

Asta	181	nod	88	78		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3.5	4794.7	-0.6	12450.8	-184.7	-202840.6

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45.	-3.5	3681.8	-0.6	12450.8	-159.9	-12649.5
90.	-3.5	2568.8	-0.6	12450.8	-135.1	127596.5
135.	-3.5	1455.8	-0.6	12450.8	-110.3	217897.3
180.	-3.5	342.8	-0.6	12450.8	-85.6	258253.1
224.	-3.5	-770.2	-0.6	12450.8	-60.8	248663.8
269.	-3.5	-1883.2	-0.6	12450.8	-36.0	189129.3
314.	-3.5	-2996.1	-0.6	12450.8	-11.2	79649.7
359.	-3.5	-4109.1	-0.6	12450.8	13.5	-79774.9
Asta	182	nodì	107	88		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.6	1126.3	-3.1	19623.7	-41.3	16310.6
19.	-0.6	661.3	-3.1	19623.7	16.5	33069.3
38.	-0.6	196.2	-3.1	19623.7	74.3	41108.6
56.	-0.6	-268.8	-3.1	19623.7	132.1	40428.4
75.	-0.6	-733.8	-3.1	19623.7	189.9	31028.9
94.	-0.6	-1198.9	-3.1	19623.7	247.7	12910.0
113.	-0.6	-1663.9	-3.1	19623.7	305.5	-13928.4
131.	-0.6	-2128.9	-3.1	19623.7	363.3	-49486.1
150.	-0.6	-2594.0	-3.1	19623.7	421.1	-93763.2
Asta	183	nodì	91	109		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-4.3	5126.0	-0.1	-13348.0	-22.5	-178343.7
56.	-4.3	3743.3	-0.1	-13348.0	-19.2	68888.9
112.	-4.3	2360.6	-0.1	-13348.0	-15.9	239035.8
167.	-4.3	977.9	-0.1	-13348.0	-12.6	332097.0
223.	-4.3	-404.8	-0.1	-13348.0	-9.3	348072.5
279.	-4.3	-1787.5	-0.1	-13348.0	-6.0	286962.3
335.	-4.3	-3170.2	-0.1	-13348.0	-2.6	148766.5
390.	-4.3	-4552.9	-0.1	-13348.0	0.7	-66515.1
446.	-4.3	-5935.6	-0.1	-13348.0	4.0	-358882.4
Asta	185	nodì	80	91		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-4.4	6293.5	0.0	-21876.1	12.1	-540394.3
55.	-4.4	4929.4	0.0	-21876.1	12.6	-231766.3
110.	-4.4	3565.3	0.0	-21876.1	13.2	1836.2
165.	-4.4	2201.2	0.0	-21876.1	13.8	160413.0
220.	-4.4	837.1	0.0	-21876.1	14.4	243964.3
275.	-4.4	-527.0	0.0	-21876.1	15.0	252489.9
330.	-4.4	-1891.1	0.0	-21876.1	15.6	185990.0
385.	-4.4	-3255.2	0.0	-21876.1	16.1	44464.5
440.	-4.4	-4619.3	0.0	-21876.1	16.7	-172086.7
Asta	186	nodì	113	97		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	0.0	0.0	0.0	0.0	0.0
19.	0.0	-74.6	0.0	0.0	0.0	-699.8
38.	0.0	-149.3	0.0	0.0	0.0	-2799.3
56.	0.0	-223.9	0.0	0.0	0.0	-6298.5
75.	0.0	-298.6	0.0	0.0	0.0	-11197.3
94.	0.0	-373.2	0.0	0.0	0.0	-17495.7
113.	0.0	-447.9	0.0	0.0	0.0	-25193.8
131.	0.0	-522.5	0.0	0.0	0.0	-34291.6
150.	0.0	-597.2	0.0	0.0	0.0	-44789.1
Asta	187	nodì	97	98		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-762.5	1137.3	4.3	683.1	826.7	-81435.4
45.	-762.5	958.6	4.3	683.1	634.3	-34407.6
90.	-762.5	780.0	4.3	683.1	441.8	4602.9
135.	-762.5	601.3	4.3	683.1	249.4	35596.1
180.	-762.5	422.7	4.3	683.1	57.0	58572.0
224.	-762.5	244.0	4.3	683.1	-135.5	73530.6
269.	-762.5	65.4	4.3	683.1	-327.9	80471.8
314.	-762.5	-113.3	4.3	683.1	-520.3	79395.8
359.	-762.5	-292.0	4.3	683.1	-712.8	70302.5
Asta	188	nodì	98	99		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-597.4	223.4	2.7	593.1	291.1	79623.1
41.	-597.4	59.6	2.7	593.1	180.4	85442.4
82.	-597.4	-104.1	2.7	593.1	69.7	84528.3
123.	-597.4	-267.8	2.7	593.1	-41.0	76880.9
165.	-597.4	-431.5	2.7	593.1	-151.7	62500.1
206.	-597.4	-595.3	2.7	593.1	-262.4	41385.9
247.	-597.4	-759.0	2.7	593.1	-373.0	13538.5
288.	-597.4	-922.7	2.7	593.1	-483.7	-21042.4
329.	-597.4	-1086.5	2.7	593.1	-594.4	-62356.6
Asta	189	nodì	103	102		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-585.5	964.1	-0.3	-87.7	-75.2	-54491.3
41.	-585.5	801.1	-0.3	-87.7	-61.7	-18359.7
82.	-585.5	638.1	-0.3	-87.7	-48.3	11099.9
123.	-585.5	475.1	-0.3	-87.7	-34.8	33887.3
164.	-585.5	312.2	-0.3	-87.7	-21.3	50002.7
205.	-585.5	149.2	-0.3	-87.7	-7.9	59446.0
246.	-585.5	-13.8	-0.3	-87.7	5.6	62217.1
287.	-585.5	-176.8	-0.3	-87.7	19.1	58316.2
328.	-585.5	-339.8	-0.3	-87.7	32.5	47743.2
Asta	190	nodì	102	101		

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PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-726.1	571.4	-0.7	-116.0	-101.2	21797.7
34.	-726.1	437.6	-0.7	-116.0	-78.2	38761.7
67.	-726.1	303.7	-0.7	-116.0	-55.2	51224.4
101.	-726.1	169.8	-0.7	-116.0	-32.2	59185.7
135.	-726.1	36.0	-0.7	-116.0	-9.2	62645.6
168.	-726.1	-97.9	-0.7	-116.0	13.8	61604.2
202.	-726.1	-231.8	-0.7	-116.0	36.8	56061.4
235.	-726.1	-365.6	-0.7	-116.0	59.8	46017.2
269.	-726.1	-499.5	-0.7	-116.0	82.8	31471.7
Asta 191 nodi 101 100						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-424.8	15.5	-0.7	-87.4	-68.9	76751.5
34.	-424.8	-120.9	-0.7	-87.4	-46.5	74947.0
69.	-424.8	-257.2	-0.7	-87.4	-24.0	68472.3
103.	-424.8	-393.6	-0.7	-87.4	-1.6	57327.2
137.	-424.8	-529.9	-0.7	-87.4	20.8	41512.0
171.	-424.8	-666.3	-0.7	-87.4	43.3	21026.5
206.	-424.8	-802.7	-0.7	-87.4	65.7	-4129.3
240.	-424.8	-939.0	-0.7	-87.4	88.1	-33955.4
274.	-424.8	-1075.4	-0.7	-87.4	110.6	-68451.6
Asta 192 nodi 114 1						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-47968.7	-3486.5	2527.3	-999.9	42251.0	73284.1
10.	-47928.9	-3486.5	2527.3	-999.9	16978.1	38418.7
20.	-47889.1	-3486.5	2527.3	-999.9	-8294.8	3553.2
30.	-47849.3	-3486.5	2527.3	-999.9	-33567.7	-31312.3
40.	-47809.5	-3486.5	2527.3	-999.9	-58840.6	-66177.7
50.	-47769.7	-3486.5	2527.3	-999.9	-84113.5	-101043.2
60.	-47729.9	-3486.5	2527.3	-999.9	-109386.4	-135908.7
70.	-47690.1	-3486.5	2527.3	-999.9	-134659.3	-170774.2
80.	-47650.2	-3486.5	2527.3	-999.9	-159932.1	-205639.6
Asta 193 nodi 115 3						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-57527.6	-238.7	463.8	-28.6	19451.2	20994.1
10.	-57487.8	-238.7	463.8	-28.6	14813.6	18607.0
20.	-57448.0	-238.7	463.8	-28.6	10175.9	16219.8
30.	-57408.2	-238.7	463.8	-28.6	5538.2	13832.7
40.	-57368.4	-238.7	463.8	-28.6	900.6	11445.6
50.	-57328.6	-238.7	463.8	-28.6	-3737.1	9058.5
60.	-57288.8	-238.7	463.8	-28.6	-8374.8	6671.3
70.	-57248.9	-238.7	463.8	-28.6	-13012.4	4284.2
80.	-57209.1	-238.7	463.8	-28.6	-17650.1	1897.1
Asta 194 nodi 116 5						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-31197.7	-52.5	1068.0	158.5	28244.1	-3095.6
10.	-31157.9	-52.5	1068.0	158.5	17563.7	-3620.2
20.	-31118.1	-52.5	1068.0	158.5	6883.3	-4144.7
30.	-31078.3	-52.5	1068.0	158.5	-3797.2	-4669.3
40.	-31038.5	-52.5	1068.0	158.5	-14477.6	-5193.8
50.	-30998.7	-52.5	1068.0	158.5	-25158.0	-5718.4
60.	-30958.8	-52.5	1068.0	158.5	-35838.4	-6243.0
70.	-30919.0	-52.5	1068.0	158.5	-46518.8	-6767.5
80.	-30879.2	-52.5	1068.0	158.5	-57199.2	-7292.1
Asta 195 nodi 117 7						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-52423.3	2078.6	402.8	-417.5	21587.7	-24640.0
10.	-52383.5	2078.6	402.8	-417.5	17559.9	-3854.5
20.	-52343.7	2078.6	402.8	-417.5	13532.1	16931.1
30.	-52303.9	2078.6	402.8	-417.5	9504.3	37716.6
40.	-52264.1	2078.6	402.8	-417.5	5476.4	58502.1
50.	-52224.3	2078.6	402.8	-417.5	1448.6	79287.7
60.	-52184.5	2078.6	402.8	-417.5	-2579.2	100073.2
70.	-52144.7	2078.6	402.8	-417.5	-6607.0	120858.8
80.	-52104.8	2078.6	402.8	-417.5	-10634.8	141644.3
Asta 196 nodi 118 9						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-35717.3	3296.2	2961.1	1047.1	53969.9	-108833.2
10.	-35677.5	3296.2	2961.1	1047.1	24359.1	-75870.9
20.	-35637.6	3296.2	2961.1	1047.1	-5251.7	-42908.6
30.	-35597.8	3296.2	2961.1	1047.1	-34862.5	-9946.3
40.	-35558.0	3296.2	2961.1	1047.1	-64473.2	23016.0
50.	-35518.2	3296.2	2961.1	1047.1	-94084.0	55978.3
60.	-35478.4	3296.2	2961.1	1047.1	-123694.8	88940.7
70.	-35438.6	3296.2	2961.1	1047.1	-153305.6	121903.0
80.	-35398.8	3296.2	2961.1	1047.1	-182916.4	154865.3
Asta 197 nodi 119 11						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-47373.3	3798.1	-124.1	11650.2	53610.6	-56315.8
10.	-47333.5	3798.1	-124.1	11650.2	54851.7	-18334.7
20.	-47293.7	3798.1	-124.1	11650.2	56092.7	19646.5
30.	-47253.9	3798.1	-124.1	11650.2	57333.8	57627.6
40.	-47214.1	3798.1	-124.1	11650.2	58574.8	95608.8
50.	-47174.3	3798.1	-124.1	11650.2	59815.8	133589.9
60.	-47134.5	3798.1	-124.1	11650.2	61056.9	171571.1
70.	-47094.6	3798.1	-124.1	11650.2	62297.9	209552.3
80.	-47054.8	3798.1	-124.1	11650.2	63539.0	247533.4

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Asta	198	nod	120	13		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-44347.4	4545.9	-6.5	272.8	10278.3	-6506.3
10.	-44307.6	4545.9	-6.5	272.8	10343.3	38952.4
20.	-44267.8	4545.9	-6.5	272.8	10408.3	84411.1
30.	-44228.0	4545.9	-6.5	272.8	10473.3	129869.8
40.	-44188.2	4545.9	-6.5	272.8	10538.3	175328.5
50.	-44148.3	4545.9	-6.5	272.8	10603.3	220787.2
60.	-44108.5	4545.9	-6.5	272.8	10668.3	266245.9
70.	-44068.7	4545.9	-6.5	272.8	10733.2	311704.5
80.	-44028.9	4545.9	-6.5	272.8	10798.2	357163.2
Asta	199	nod	121	15		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-57699.4	1875.0	114.2	-39.3	10456.9	-2778.6
10.	-57659.6	1875.0	114.2	-39.3	9314.9	15971.6
20.	-57619.8	1875.0	114.2	-39.3	8172.9	34721.7
30.	-57579.9	1875.0	114.2	-39.3	7031.0	53471.8
40.	-57540.1	1875.0	114.2	-39.3	5889.0	72221.9
50.	-57500.3	1875.0	114.2	-39.3	4747.0	90972.0
60.	-57460.5	1875.0	114.2	-39.3	3605.0	109722.2
70.	-57420.7	1875.0	114.2	-39.3	2463.0	128472.3
80.	-57380.9	1875.0	114.2	-39.3	1321.0	147222.4
Asta	200	nod	122	17		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-58628.2	-683.6	137.9	-6.7	10501.2	794.1
10.	-58588.4	-683.6	137.9	-6.7	9122.1	-6041.4
20.	-58548.6	-683.6	137.9	-6.7	7743.0	-12877.0
30.	-58508.7	-683.6	137.9	-6.7	6364.0	-19712.5
40.	-58468.9	-683.6	137.9	-6.7	4984.9	-26548.0
50.	-58429.1	-683.6	137.9	-6.7	3605.9	-33383.5
60.	-58389.3	-683.6	137.9	-6.7	2226.8	-40219.0
70.	-58349.5	-683.6	137.9	-6.7	847.8	-47054.6
80.	-58309.7	-683.6	137.9	-6.7	-531.3	-53890.1
Asta	201	nod	123	19		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-52742.2	-558.7	135.0	-61.3	10458.0	633.3
10.	-52702.4	-558.7	135.0	-61.3	9107.8	-4953.7
20.	-52662.6	-558.7	135.0	-61.3	7757.5	-10540.7
30.	-52622.8	-558.7	135.0	-61.3	6407.3	-16127.6
40.	-52583.0	-558.7	135.0	-61.3	5057.0	-21714.6
50.	-52543.2	-558.7	135.0	-61.3	3706.7	-27301.5
60.	-52503.4	-558.7	135.0	-61.3	2356.5	-32888.5
70.	-52463.5	-558.7	135.0	-61.3	1006.2	-38475.5
80.	-52423.7	-558.7	135.0	-61.3	-344.0	-44062.4
Asta	202	nod	124	21		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-52603.8	560.0	101.3	-85.1	10361.8	-916.5
10.	-52564.0	560.0	101.3	-85.1	9348.5	4683.9
20.	-52524.2	560.0	101.3	-85.1	8335.3	10284.3
30.	-52484.4	560.0	101.3	-85.1	7322.0	15884.6
40.	-52444.6	560.0	101.3	-85.1	6308.8	21485.0
50.	-52404.8	560.0	101.3	-85.1	5295.5	27085.3
60.	-52365.0	560.0	101.3	-85.1	4282.3	32685.7
70.	-52325.2	560.0	101.3	-85.1	3269.0	38286.1
80.	-52285.3	560.0	101.3	-85.1	2255.8	43886.4
Asta	203	nod	125	23		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-59464.3	1220.2	-98.6	-281.1	9957.4	-1829.1
10.	-59424.5	1220.2	-98.6	-281.1	10943.0	10373.1
20.	-59384.7	1220.2	-98.6	-281.1	11928.5	22575.3
30.	-59344.9	1220.2	-98.6	-281.1	12914.0	34777.5
40.	-59305.0	1220.2	-98.6	-281.1	13899.6	46979.7
50.	-59265.2	1220.2	-98.6	-281.1	14885.1	59181.9
60.	-59225.4	1220.2	-98.6	-281.1	15870.6	71384.1
70.	-59185.6	1220.2	-98.6	-281.1	16856.1	83586.3
80.	-59145.8	1220.2	-98.6	-281.1	17841.7	95788.5
Asta	204	nod	126	25		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-65101.1	-197.1	-1254.9	258.0	8195.0	141.6
10.	-65061.3	-197.1	-1254.9	258.0	20744.0	-1829.0
20.	-65021.4	-197.1	-1254.9	258.0	33293.1	-3799.7
30.	-64981.6	-197.1	-1254.9	258.0	45842.1	-5770.3
40.	-64941.8	-197.1	-1254.9	258.0	58391.1	-7741.0
50.	-64902.0	-197.1	-1254.9	258.0	70940.2	-9711.6
60.	-64862.2	-197.1	-1254.9	258.0	83489.2	-11682.3
70.	-64822.4	-197.1	-1254.9	258.0	96038.2	-13652.9
80.	-64782.6	-197.1	-1254.9	258.0	108587.2	-15623.6
Asta	205	nod	127	27		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-45196.0	1727.8	-1398.5	117.7	8008.0	-2630.7
10.	-45156.2	1727.8	-1398.5	117.7	21993.0	14646.9
20.	-45116.4	1727.8	-1398.5	117.7	35978.0	31924.4
30.	-45076.6	1727.8	-1398.5	117.7	49963.0	49202.0
40.	-45036.8	1727.8	-1398.5	117.7	63948.0	66479.5
50.	-44997.0	1727.8	-1398.5	117.7	77932.9	83757.1
60.	-44957.2	1727.8	-1398.5	117.7	91917.9	101034.6

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70.	-44917.4	1727.8	-1398.5	117.7	105902.9	118312.2
80.	-44877.5	1727.8	-1398.5	117.7	119887.9	135589.8
Asta	206	nodì	128	29		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-50431.7	2157.0	-3651.3	-3885.8	-278642.7	14445.3
10.	-50391.9	2157.0	-3651.3	-3885.8	-242129.9	36015.7
20.	-50352.1	2157.0	-3651.3	-3885.8	-205617.1	57586.1
30.	-50312.3	2157.0	-3651.3	-3885.8	-169104.3	79156.6
40.	-50272.4	2157.0	-3651.3	-3885.8	-132591.5	100727.0
50.	-50232.6	2157.0	-3651.3	-3885.8	-96078.7	122297.4
60.	-50192.8	2157.0	-3651.3	-3885.8	-59565.8	143867.8
70.	-50153.0	2157.0	-3651.3	-3885.8	-23053.0	165438.3
80.	-50113.2	2157.0	-3651.3	-3885.8	13459.8	187008.7
Asta	207	nodì	129	31		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-54638.7	-3555.9	-3738.3	3727.0	-296055.1	4709.1
10.	-54598.8	-3555.9	-3738.3	3727.0	-258672.4	-30849.9
20.	-54559.0	-3555.9	-3738.3	3727.0	-221289.7	-66408.9
30.	-54519.2	-3555.9	-3738.3	3727.0	-183907.0	-101967.9
40.	-54479.4	-3555.9	-3738.3	3727.0	-146524.3	-137527.0
50.	-54439.6	-3555.9	-3738.3	3727.0	-109141.6	-173086.0
60.	-54399.8	-3555.9	-3738.3	3727.0	-71758.9	-208645.0
70.	-54360.0	-3555.9	-3738.3	3727.0	-34376.2	-244204.0
80.	-54320.2	-3555.9	-3738.3	3727.0	3006.5	-279763.0
Asta	208	nodì	146	104		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-41233.7	6251.8	754.3	-17519.4	18380.8	-14156.3
10.	-41193.9	6251.8	754.3	-17519.4	10838.2	48361.5
20.	-41154.0	6251.8	754.3	-17519.4	3295.5	110879.3
30.	-41114.2	6251.8	754.3	-17519.4	-4247.1	173397.1
40.	-41074.4	6251.8	754.3	-17519.4	-11789.8	235914.9
50.	-41034.6	6251.8	754.3	-17519.4	-19332.4	298432.7
60.	-40994.8	6251.8	754.3	-17519.4	-26875.1	360950.5
70.	-40955.0	6251.8	754.3	-17519.4	-34417.7	423468.3
80.	-40915.2	6251.8	754.3	-17519.4	-41960.4	485986.1
Asta	209	nodì	131	35		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-33410.8	3286.2	-1254.5	-3241.6	-37138.2	-65723.7
10.	-33371.0	3286.2	-1254.5	-3241.6	-24593.0	-32861.7
20.	-33331.2	3286.2	-1254.5	-3241.6	-12047.7	0.2
30.	-33291.4	3286.2	-1254.5	-3241.6	497.5	32862.2
40.	-33251.6	3286.2	-1254.5	-3241.6	13042.8	65724.1
50.	-33211.7	3286.2	-1254.5	-3241.6	25588.0	98586.1
60.	-33171.9	3286.2	-1254.5	-3241.6	38133.3	131448.1
70.	-33132.1	3286.2	-1254.5	-3241.6	50678.5	164310.0
80.	-33092.3	3286.2	-1254.5	-3241.6	63223.7	197172.0
Asta	210	nodì	132	37		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-50835.7	777.1	-656.6	786.6	-41038.2	-6819.0
10.	-50795.9	777.1	-656.6	786.6	-34472.3	952.0
20.	-50756.1	777.1	-656.6	786.6	-27906.3	8723.0
30.	-50716.3	777.1	-656.6	786.6	-21340.4	16494.0
40.	-50676.4	777.1	-656.6	786.6	-14774.5	24264.9
50.	-50636.6	777.1	-656.6	786.6	-8208.5	32035.9
60.	-50596.8	777.1	-656.6	786.6	-1642.6	39806.9
70.	-50557.0	777.1	-656.6	786.6	4923.3	47577.9
80.	-50517.2	777.1	-656.6	786.6	11489.3	55348.8
Asta	211	nodì	133	39		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-36433.9	-3753.2	-2829.6	-620.2	-104087.3	69299.4
10.	-36394.0	-3753.2	-2829.6	-620.2	-75791.4	31767.3
20.	-36354.2	-3753.2	-2829.6	-620.2	-47495.5	-5764.8
30.	-36314.4	-3753.2	-2829.6	-620.2	-19199.6	-43296.9
40.	-36274.6	-3753.2	-2829.6	-620.2	9096.3	-80829.0
50.	-36234.8	-3753.2	-2829.6	-620.2	37392.2	-118361.1
60.	-36195.0	-3753.2	-2829.6	-620.2	65688.2	-155893.2
70.	-36155.2	-3753.2	-2829.6	-620.2	93984.1	-193425.3
80.	-36115.4	-3753.2	-2829.6	-620.2	122280.0	-230957.4
Asta	212	nodì	134	41		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-36382.0	3646.1	-2667.5	454.6	-97531.6	-65822.4
10.	-36342.2	3646.1	-2667.5	454.6	-70856.2	-29361.1
20.	-36302.4	3646.1	-2667.5	454.6	-44180.8	7100.3
30.	-36262.6	3646.1	-2667.5	454.6	-17505.5	43561.7
40.	-36222.7	3646.1	-2667.5	454.6	9169.9	80023.1
50.	-36182.9	3646.1	-2667.5	454.6	35845.3	116484.5
60.	-36143.1	3646.1	-2667.5	454.6	62520.6	152945.9
70.	-36103.3	3646.1	-2667.5	454.6	89196.0	189407.3
80.	-36063.5	3646.1	-2667.5	454.6	115871.4	225868.7
Asta	213	nodì	135	43		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-49210.7	-1364.4	-536.0	-958.3	-32108.8	17797.5
10.	-49170.9	-1364.4	-536.0	-958.3	-26748.4	4153.4
20.	-49131.1	-1364.4	-536.0	-958.3	-21387.9	-9490.8
30.	-49091.3	-1364.4	-536.0	-958.3	-16027.5	-23134.9
40.	-49051.5	-1364.4	-536.0	-958.3	-10667.0	-36779.0

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50.	-49011.7	-1364.4	-536.0	-958.3	-5306.6	-50423.1
60.	-48971.9	-1364.4	-536.0	-958.3	53.9	-64067.2
70.	-48932.0	-1364.4	-536.0	-958.3	5414.3	-77711.3
80.	-48892.2	-1364.4	-536.0	-958.3	10774.8	-91355.5
Asta	214	nod	136	45		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-34979.9	-3081.2	-844.1	2932.6	-16279.4	66192.5
10.	-34940.1	-3081.2	-844.1	2932.6	-7838.2	35380.0
20.	-34900.3	-3081.2	-844.1	2932.6	603.0	4567.5
30.	-34860.5	-3081.2	-844.1	2932.6	9044.2	-26245.0
40.	-34820.7	-3081.2	-844.1	2932.6	17485.4	-57057.4
50.	-34780.9	-3081.2	-844.1	2932.6	25926.6	-87869.9
60.	-34741.1	-3081.2	-844.1	2932.6	34367.8	-118682.4
70.	-34701.3	-3081.2	-844.1	2932.6	42809.0	-149494.9
80.	-34661.4	-3081.2	-844.1	2932.6	51250.2	-180307.4
Asta	215	nod	137	47		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-34969.7	-7662.5	132.2	-2182.3	9965.5	10440.4
10.	-34929.9	-7662.5	132.2	-2182.3	8643.2	-66184.8
20.	-34890.1	-7662.5	132.2	-2182.3	7320.9	-142810.0
30.	-34850.3	-7662.5	132.2	-2182.3	5998.6	-219435.2
40.	-34810.5	-7662.5	132.2	-2182.3	4676.3	-296060.4
50.	-34770.7	-7662.5	132.2	-2182.3	3354.0	-372685.6
60.	-34730.9	-7662.5	132.2	-2182.3	2031.7	-449310.8
70.	-34691.0	-7662.5	132.2	-2182.3	709.4	-525936.0
80.	-34651.2	-7662.5	132.2	-2182.3	-612.9	-602561.2
Asta	216	nod	138	49		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-34385.6	1231.5	-2005.4	8490.1	-173355.6	-30916.8
10.	-34345.8	1231.5	-2005.4	8490.1	-153301.5	-18602.1
20.	-34306.0	1231.5	-2005.4	8490.1	-133247.5	-6287.5
30.	-34266.1	1231.5	-2005.4	8490.1	-113193.5	6027.1
40.	-34226.3	1231.5	-2005.4	8490.1	-93139.4	18341.8
50.	-34186.5	1231.5	-2005.4	8490.1	-73085.4	30656.4
60.	-34146.7	1231.5	-2005.4	8490.1	-53031.4	42971.0
70.	-34106.9	1231.5	-2005.4	8490.1	-32977.3	55285.7
80.	-34067.1	1231.5	-2005.4	8490.1	-12923.3	67600.3
Asta	217	nod	139	51		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-34924.5	-1389.0	-1963.7	-8844.0	-168797.9	42411.4
10.	-34884.7	-1389.0	-1963.7	-8844.0	-149161.4	28521.8
20.	-34844.9	-1389.0	-1963.7	-8844.0	-129524.8	14632.2
30.	-34805.0	-1389.0	-1963.7	-8844.0	-109888.2	742.6
40.	-34765.2	-1389.0	-1963.7	-8844.0	-90251.6	-13147.0
50.	-34725.4	-1389.0	-1963.7	-8844.0	-70615.1	-27036.6
60.	-34685.6	-1389.0	-1963.7	-8844.0	-50978.5	-40926.2
70.	-34645.8	-1389.0	-1963.7	-8844.0	-31341.9	-54815.8
80.	-34606.0	-1389.0	-1963.7	-8844.0	-11705.3	-68705.4
Asta	218	nod	140	53		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-50383.0	33.7	243.4	-576.4	10638.3	-256.1
10.	-50343.2	33.7	243.4	-576.4	8203.9	81.1
20.	-50303.4	33.7	243.4	-576.4	5769.4	418.3
30.	-50263.6	33.7	243.4	-576.4	3334.9	755.5
40.	-50223.8	33.7	243.4	-576.4	900.5	1092.7
50.	-50184.0	33.7	243.4	-576.4	-1534.0	1429.9
60.	-50144.2	33.7	243.4	-576.4	-3968.4	1767.1
70.	-50104.4	33.7	243.4	-576.4	-6402.9	2104.4
80.	-50064.5	33.7	243.4	-576.4	-8837.3	2441.6
Asta	219	nod	141	55		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-35871.4	-9891.8	-381.5	-2624.1	9257.2	13649.2
10.	-35831.6	-9891.8	-381.5	-2624.1	13071.9	-85268.9
20.	-35791.8	-9891.8	-381.5	-2624.1	16886.6	-184187.0
30.	-35752.0	-9891.8	-381.5	-2624.1	20701.3	-283105.2
40.	-35712.1	-9891.8	-381.5	-2624.1	24516.1	-382023.3
50.	-35672.3	-9891.8	-381.5	-2624.1	28330.8	-480941.5
60.	-35632.5	-9891.8	-381.5	-2624.1	32145.5	-579859.6
70.	-35592.7	-9891.8	-381.5	-2624.1	35960.2	-678777.7
80.	-35552.9	-9891.8	-381.5	-2624.1	39774.9	-777695.9
Asta	220	nod	142	57		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-24094.7	-1011.1	1180.2	-190.7	35868.5	16896.2
10.	-24054.9	-1011.1	1180.2	-190.7	24066.4	6785.4
20.	-24015.1	-1011.1	1180.2	-190.7	12264.4	-3325.4
30.	-23975.3	-1011.1	1180.2	-190.7	462.4	-13436.2
40.	-23935.5	-1011.1	1180.2	-190.7	-11339.7	-23547.0
50.	-23895.7	-1011.1	1180.2	-190.7	-23141.7	-33657.8
60.	-23855.9	-1011.1	1180.2	-190.7	-34943.8	-43768.6
70.	-23816.1	-1011.1	1180.2	-190.7	-46745.8	-53879.4
80.	-23776.2	-1011.1	1180.2	-190.7	-58547.8	-63990.2
Asta	221	nod	143	59		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-49243.9	-2811.5	283.2	1901.3	18048.2	183913.0
10.	-49204.1	-2811.5	283.2	1901.3	15216.1	155797.8
20.	-49164.3	-2811.5	283.2	1901.3	12384.1	127682.7

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30.	-49124.5	-2811.5	283.2	1901.3	9552.1	99567.5
40.	-49084.7	-2811.5	283.2	1901.3	6720.1	71452.3
50.	-49044.9	-2811.5	283.2	1901.3	3888.1	43337.1
60.	-49005.0	-2811.5	283.2	1901.3	1056.1	15221.9
70.	-48965.2	-2811.5	283.2	1901.3	-1775.9	-12893.3
80.	-48925.4	-2811.5	283.2	1901.3	-4608.0	-41008.4

Asta	222	nodì	144	61		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-39004.0	1320.7	184.7	48.3	14136.2	-54518.2
10.	-38964.2	1320.7	184.7	48.3	12289.3	-41311.6
20.	-38924.4	1320.7	184.7	48.3	10442.4	-28105.0
30.	-38884.5	1320.7	184.7	48.3	8595.6	-14898.3
40.	-38844.7	1320.7	184.7	48.3	6748.7	-1691.7
50.	-38804.9	1320.7	184.7	48.3	4901.8	11514.9
60.	-38765.1	1320.7	184.7	48.3	3055.0	24721.5
70.	-38725.3	1320.7	184.7	48.3	1208.1	37928.2
80.	-38685.5	1320.7	184.7	48.3	-638.8	51134.8

Asta	223	nodì	145	63		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-40547.6	4833.7	551.7	-2608.6	23331.1	-245276.0
10.	-40507.8	4833.7	551.7	-2608.6	17814.5	-196938.6
20.	-40468.0	4833.7	551.7	-2608.6	12297.9	-148601.2
30.	-40428.2	4833.7	551.7	-2608.6	6781.3	-100263.8
40.	-40388.3	4833.7	551.7	-2608.6	1264.7	-51926.5
50.	-40348.5	4833.7	551.7	-2608.6	-4251.9	-3589.1
60.	-40308.7	4833.7	551.7	-2608.6	-9768.5	44748.3
70.	-40268.9	4833.7	551.7	-2608.6	-15285.2	93085.7
80.	-40229.1	4833.7	551.7	-2608.6	-20801.8	141423.1

Asta	224	nodì	145	118		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3584.5	42232.3	432.7	-36096.5	31057.1	-2667839.3
34.	-3584.5	40374.6	416.1	-35968.7	16529.4	-1253728.6
69.	-3584.5	38711.2	402.4	-35857.0	2520.9	100042.9
103.	-3584.5	37251.9	391.8	-35761.4	-11071.4	1400323.6
137.	-3584.5	35997.6	384.4	-35682.0	-24355.0	2654143.8
171.	-3584.5	34939.7	379.8	-35618.8	-37433.5	3868403.3
206.	-3584.5	34060.8	377.6	-35571.8	-50397.9	5049559.3
240.	-3584.5	33334.4	377.0	-35540.9	-63317.8	6203314.2
274.	-3584.5	32724.7	377.1	-35526.1	-76232.9	7334303.5

Asta	225	nodì	114	115		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.8	-15499.4	-174.5	16787.0	-39104.0	3246145.9
50.	-0.8	-16461.1	-174.4	16938.5	-30457.6	2454632.7
99.	-0.8	-17572.3	-175.0	17106.4	-21807.0	1611956.4
149.	-0.8	-18873.4	-177.8	17290.9	-13077.1	709630.0
198.	-0.8	-20385.7	-183.6	17491.9	-4136.8	-262367.2
248.	-0.8	-22111.6	-192.8	17709.4	5176.1	-1314642.1
297.	-0.8	-24034.1	-205.4	17943.5	15031.5	-2457439.0
347.	-0.8	-26117.3	-220.7	18194.0	25581.9	-3699691.7
397.	-0.8	-28306.1	-237.7	18461.1	36939.2	-5048074.9

Asta	226	nodì	115	116		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	237.9	29221.6	226.0	-990.1	36967.8	-5027080.8
50.	237.9	26980.3	208.7	-712.3	26102.2	-3622059.7
100.	237.9	24778.6	192.8	-434.3	16073.5	-2328381.8
150.	237.9	22671.5	179.4	-156.2	6782.0	-1142611.1
200.	237.9	20693.6	169.1	122.0	-1916.6	-59070.3
250.	237.9	18859.9	162.3	400.3	-10187.9	929161.9
300.	237.9	17165.5	158.5	678.7	-18195.8	1829253.4
350.	237.9	15585.2	157.1	957.3	-26079.0	2647621.9
400.	237.9	14074.2	156.9	1236.0	-33927.8	3388937.3

Asta	227	nodì	116	117		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	702.2	-7732.1	-104.5	-1257.1	-19911.3	2273031.0
50.	702.2	-9243.0	-105.1	-976.7	-14641.1	1846077.1
101.	702.2	-10793.0	-107.2	-696.5	-9308.8	1342287.2
151.	702.2	-12414.6	-111.3	-416.3	-3822.4	758818.4
201.	702.2	-14126.4	-118.0	-136.3	1936.3	91543.6
252.	702.2	-15932.9	-127.2	143.6	8094.9	-664247.8
302.	702.2	-17825.0	-138.6	423.3	14773.4	-1513150.0
352.	702.2	-19779.3	-151.6	702.9	22067.9	-2458939.8
403.	702.2	-21758.9	-165.1	982.4	30033.3	-3503876.6

Asta	228	nodì	117	142		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1376.4	30664.5	237.7	-20605.3	30450.8	-3528516.6
37.	-1376.4	29222.4	228.1	-20405.1	21834.9	-2420692.6
74.	-1376.4	27819.0	219.5	-20215.4	13556.4	-1365576.5
111.	-1376.4	26471.8	212.3	-20036.1	5571.1	-361387.9
148.	-1376.4	25190.3	206.8	-19867.4	-2177.3	594153.3
185.	-1376.4	23975.5	202.9	-19709.1	-9750.7	1503522.2
222.	-1376.4	22820.4	200.5	-19561.4	-17209.5	2369082.1
259.	-1376.4	21709.4	199.5	-19424.1	-24606.5	3192779.5
296.	-1376.4	20619.0	199.2	-19297.3	-31979.5	3975837.3

Asta	229	nodì	142	143		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-241.6	-25968.6	-132.0	15015.8	-36760.9	7752652.0

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44.	-241.6	-27302.7	-132.3	15167.7	-30891.0	6569275.9
89.	-241.6	-28748.1	-133.7	15331.5	-24987.5	5324465.6
133.	-241.6	-30382.2	-137.2	15507.3	-18977.6	4011481.1
178.	-241.6	-32261.7	-143.7	15695.1	-12748.0	2620602.1
222.	-241.6	-34423.3	-153.6	15894.7	-6156.6	1140032.9
267.	-241.6	-36883.0	-167.2	16106.3	956.8	-443193.5
311.	-241.6	-39636.8	-184.5	16329.9	8758.2	-2142310.9
356.	-241.6	-42660.1	-205.4	16565.3	17409.2	-3969915.3
Asta	230	nodì	143	144		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	2569.9	6583.9	77.8	-1482.8	15507.9	-3786002.3
37.	2569.9	3885.5	58.1	-1281.6	12982.6	-3591535.6
74.	2569.9	1049.4	36.5	-1080.8	11224.1	-3499692.8
111.	2569.9	-1903.3	13.2	-880.3	10298.3	-3515192.0
148.	2569.9	-4949.7	-11.5	-680.2	10262.8	-3641934.8
185.	2569.9	-8065.3	-37.4	-480.5	11166.2	-3882944.8
222.	2569.9	-11223.9	-64.3	-281.1	13047.8	-4240306.1
259.	2569.9	-14397.6	-91.8	-82.1	15937.4	-4715101.4
297.	2569.9	-17556.9	-119.6	116.6	19854.3	-5307350.4
Asta	231	nodì	144	145		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	1249.2	21447.0	65.0	-14019.6	19806.0	-5361868.6
34.	1249.2	18619.5	39.6	-13842.4	18046.0	-4688390.5
67.	1249.2	15854.7	14.4	-13671.1	17138.1	-4109001.7
101.	1249.2	13175.3	-10.5	-13505.6	17073.2	-3621204.9
135.	1249.2	10601.8	-34.7	-13345.9	17833.9	-3221775.1
168.	1249.2	8152.0	-57.9	-13192.0	19393.5	-2906845.5
202.	1249.2	5841.2	-80.0	-13044.0	21715.7	-2671993.3
235.	1249.2	3682.0	-100.4	-12901.8	24753.5	-2512325.3
269.	1249.2	1684.7	-119.0	-12765.4	28448.6	-2422563.3
Asta	232	nodì	131	146		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	4163.7	-8951.7	2489.2	95446.5	543629.0	1395845.6
45.	4163.7	-9860.7	2494.6	96248.3	432637.4	977072.2
89.	4163.7	-10884.0	2522.8	97125.8	320959.2	515309.7
134.	4163.7	-12035.1	2588.4	98079.2	207235.0	5130.9
178.	4163.7	-13318.6	2701.1	99108.4	89566.0	-559290.6
223.	4163.7	-14730.7	2865.7	100213.3	-34271.5	-1183802.4
267.	4163.7	-16259.1	3082.3	101394.1	-166612.7	-1873894.0
312.	4163.7	-17883.1	3346.3	102650.6	-309689.4	-2634318.6
357.	4163.7	-19573.4	3648.1	103983.0	-465416.4	-3468713.8
Asta	233	nodì	146	119		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	3409.5	21660.3	-2603.7	118139.3	-447896.9	-3487094.7
39.	3409.5	20156.0	-2319.3	119374.8	-351855.0	-2671650.4
78.	3409.5	18655.9	-2025.5	120682.7	-267114.7	-1914869.6
117.	3409.5	17181.0	-1729.8	122063.1	-193890.5	-1216159.4
156.	3409.5	15745.9	-1438.3	123515.9	-132132.9	-574232.6
195.	3409.5	14359.1	-1155.4	125041.2	-81588.8	12650.6
234.	3409.5	13023.0	-884.0	126638.9	-41860.3	546440.3
273.	3409.5	11733.6	-625.6	128309.1	-12464.5	1029055.2
312.	3409.5	10480.8	-380.1	130051.8	7107.5	1462140.3
Asta	234	nodì	119	118		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-4187.5	12546.9	-1738.2	-67210.1	-223150.8	-1913940.3
76.	-4187.5	10180.0	-1296.0	-63800.5	-108089.9	-1050313.7
152.	-4187.5	7950.4	-914.6	-60510.5	-24447.4	-361814.3
228.	-4187.5	5897.9	-605.5	-57340.0	32881.2	163643.0
304.	-4187.5	4042.4	-373.6	-54289.1	69624.7	540414.0
380.	-4187.5	2383.8	-217.2	-51357.8	91632.5	783604.1
456.	-4187.5	901.9	-127.9	-48546.0	104371.1	907546.3
532.	-4187.5	-443.5	-90.8	-45853.8	112420.9	924280.2
609.	-4187.5	-1712.5	-84.4	-43281.1	118972.9	842030.7
Asta	236	nodì	132	131		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-447.9	26199.7	-381.8	-40227.2	-53203.5	-4937928.3
53.	-447.9	23931.1	-354.3	-38632.2	-33825.7	-3617508.3
105.	-447.9	21749.0	-331.2	-37073.6	-15792.5	-2414659.6
158.	-447.9	19716.9	-314.1	-35551.3	1176.9	-1323059.7
211.	-447.9	17876.8	-303.7	-34065.4	17422.4	-333608.9
263.	-447.9	16249.9	-299.6	-32615.8	33289.2	564461.4
316.	-447.9	14836.3	-300.3	-31202.5	49073.9	1382480.7
369.	-447.9	13615.2	-303.3	-29825.6	64970.6	2131230.2
422.	-447.9	12544.5	-305.3	-28485.0	81017.3	2819835.0
Asta	237	nodì	133	132		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	329.2	-10108.8	121.9	-99181.2	28139.6	2583807.7
58.	329.2	-11133.4	124.4	-96537.6	21002.2	1967875.9
116.	329.2	-12348.1	130.6	-94009.5	13621.9	1287245.0
174.	329.2	-13803.8	142.0	-91596.9	5737.3	529270.9
232.	329.2	-15525.3	159.3	-89299.7	-2978.9	-320885.2
290.	329.2	-17510.6	182.5	-87117.9	-12873.4	-1278724.5
348.	329.2	-19731.6	210.7	-85051.6	-24266.3	-2358878.2
406.	329.2	-22133.7	242.3	-83100.8	-37404.7	-3573575.1
465.	329.2	-24636.0	274.8	-81265.4	-52416.9	-4931109.4
Asta	238	nodì	135	134		

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PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	568.7	23079.8	-202.6	93825.3	-40537.8	-4743278.6
58.	568.7	20803.4	-179.6	95412.0	-29436.6	-3469417.3
116.	568.7	18600.2	-156.6	97129.2	-19683.2	-2326046.4
174.	568.7	16549.1	-135.6	98976.9	-11214.0	-1306504.5
232.	568.7	14704.0	-118.0	100955.2	-3869.5	-400276.6
290.	568.7	13093.7	-104.6	103063.9	2570.9	405557.0
348.	568.7	11722.4	-95.4	105303.2	8355.5	1124872.1
406.	568.7	10568.9	-90.2	107673.0	13725.6	1771051.1
465.	568.7	9587.5	-87.8	110173.4	18881.6	2355534.1
Asta 239 nodi 136 135						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-795.7	-15004.3	292.6	53120.5	74798.5	2970282.1
49.	-795.7	-15826.0	290.8	54010.3	60475.2	2214432.3
98.	-795.7	-16782.7	287.5	54952.9	46288.1	1415135.7
147.	-795.7	-17909.9	285.4	55948.2	32241.9	564828.9
196.	-795.7	-19225.7	286.4	56996.3	18230.1	-345369.1
245.	-795.7	-20731.0	291.6	58097.2	4070.6	-1324804.5
294.	-795.7	-22409.2	301.5	59250.9	-10458.4	-2382436.4
343.	-795.7	-24226.2	315.7	60457.3	-25582.5	-3525984.3
393.	-795.7	-26130.9	333.4	61716.5	-41496.1	-4761076.1
Asta 240 nodi 138 129						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-375.4	20777.9	-1468.1	202597.1	-154293.8	-1736216.8
39.	-375.4	17543.0	-1365.1	206081.5	-99176.3	-990254.7
78.	-375.4	14342.0	-1276.1	209693.0	-47806.1	-369616.4
117.	-375.4	11181.7	-1203.4	213431.6	411.5	127159.0
156.	-375.4	8065.2	-1147.8	217297.2	46129.8	501727.1
195.	-375.4	4993.0	-1109.0	221289.9	90013.5	755814.9
234.	-375.4	1962.1	-1085.4	225409.7	132690.7	891097.0
273.	-375.4	-1033.6	-1074.4	229656.5	174705.0	909071.9
312.	-375.4	-4003.5	-1071.8	234030.4	216468.4	810939.1
Asta 241 nodi 139 138						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	856.1	13914.5	-504.4	734.0	-140828.4	-1766922.6
41.	856.1	10526.9	-385.6	4263.7	-122546.6	-1265747.7
82.	856.1	7107.0	-257.6	7802.9	-109334.8	-904158.0
123.	856.1	3663.4	-123.2	11351.9	-101513.2	-683300.2
164.	856.1	204.9	14.5	14910.5	-99278.9	-603963.5
205.	856.1	-3259.9	152.4	18478.8	-102704.9	-666583.1
246.	856.1	-6722.5	287.6	22056.7	-111740.0	-871243.9
287.	856.1	-10174.6	416.9	25644.3	-126207.2	-1217684.3
328.	856.1	-13607.7	537.3	29241.6	-145803.7	-1705300.0
Asta 242 nodi 128 139						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-532.9	2632.4	1075.3	-197821.1	216226.8	929963.0
38.	-532.9	-148.6	1077.8	-193738.2	174867.4	977805.5
77.	-532.9	-2968.7	1088.5	-189759.0	133268.0	918037.7
115.	-532.9	-5837.5	1111.2	-185883.7	91035.9	748961.6
154.	-532.9	-8761.0	1148.7	-182112.2	47652.2	468579.6
192.	-532.9	-11742.1	1202.5	-178444.4	2516.8	74721.6
231.	-532.9	-14780.4	1273.0	-174880.5	-45006.4	-434828.2
269.	-532.9	-17872.0	1359.2	-171420.3	-95544.9	-1062204.5
308.	-532.9	-21010.0	1459.3	-168063.9	-149672.4	-1809334.0
Asta 243 nodi 133 129						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	509.7	-4543.8	177.8	169711.6	13864.8	4205112.1
45.	509.7	-5371.1	178.5	168965.8	5931.3	3984941.2
89.	509.7	-6424.4	180.5	168348.0	-2062.0	3723054.7
134.	509.7	-7750.6	184.0	167858.3	-10178.0	3408311.7
178.	509.7	-9390.7	188.8	167496.8	-18479.8	3027615.6
223.	509.7	-11379.0	194.4	167263.4	-27016.0	2566192.2
267.	509.7	-13743.8	200.0	167158.0	-35806.3	2007868.9
312.	509.7	-16507.2	204.5	167180.8	-44826.7	1335352.7
357.	509.7	-19684.9	206.4	167331.6	-53995.0	530509.2
Asta 244 nodi 134 128						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	505.3	-3872.4	-177.9	-190878.4	-14021.8	3889844.3
45.	505.3	-4666.9	-178.7	-190223.2	-6078.6	3700284.0
89.	505.3	-5674.8	-180.8	-189712.8	1926.6	3470735.9
134.	505.3	-6939.8	-184.3	-189346.9	10055.8	3190696.1
178.	505.3	-8499.9	-189.1	-189125.8	18371.5	2847840.5
223.	505.3	-10387.4	-194.7	-189049.2	26922.0	2428277.7
267.	505.3	-12629.0	-200.3	-189117.3	35726.7	1916801.6
312.	505.3	-15245.7	-204.8	-189330.1	44761.3	1297144.3
357.	505.3	-18252.8	-206.7	-189687.5	53943.7	552228.5
Asta 245 nodi 147 114						
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2079.4	10557.8	1279.7	76848.0	154191.0	-1654602.9
76.	-2079.4	8618.9	942.3	74228.8	69968.5	-925485.0
152.	-2079.4	6733.2	654.6	71757.8	9577.5	-342089.8
228.	-2079.4	4935.5	423.4	69434.9	-31047.7	101050.7
304.	-2079.4	3245.0	251.0	67260.1	-56324.8	411459.6
380.	-2079.4	1665.2	135.4	65233.4	-70676.8	597520.0
456.	-2079.4	183.7	69.5	63354.9	-78183.2	667280.1
532.	-2079.4	-1227.4	42.2	61624.6	-82232.6	667258.9
609.	-2079.4	-2611.8	37.4	60042.3	-85174.7	481250.5

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Asta	246	nod	148	147		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	1483.2	9827.2	3323.4	-69885.7	532853.0	-1436747.5
39.	1483.2	8796.4	3045.6	-70939.5	408633.2	-1073543.3
78.	1483.2	7756.6	2765.7	-72036.9	295320.5	-750746.0
117.	1483.2	6716.1	2492.6	-73177.9	192816.5	-468535.8
156.	1483.2	5680.7	2232.7	-74362.5	100724.9	-226821.5
195.	1483.2	4654.0	1990.0	-75590.7	18443.3	-25327.0
234.	1483.2	3637.3	1766.4	-76862.6	-54743.7	136321.3
273.	1483.2	2629.9	1561.1	-78178.1	-119572.2	258507.1
312.	1483.2	1628.7	1371.1	-79537.2	-176706.6	341537.8

Asta	247	nod	136	148		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	2251.3	-576.7	-2791.9	-54352.7	-573750.3	44402.9
45.	2251.3	-1310.0	-2797.4	-55199.1	-449267.9	2615.7
89.	2251.3	-2112.4	-2826.9	-56089.9	-324071.3	-73379.3
134.	2251.3	-2985.1	-2895.1	-57025.0	-196744.2	-186697.9
178.	2251.3	-3926.9	-3011.9	-58004.5	-65320.4	-340454.8
223.	2251.3	-4933.8	-3181.5	-59028.3	72477.6	-537650.6
267.	2251.3	-5999.7	-3402.9	-60096.6	219001.0	-781059.1
312.	2251.3	-7115.4	-3669.7	-61209.1	376436.0	-1073114.0
357.	2251.3	-8269.8	-3970.2	-62366.1	546566.1	-1415796.6

Asta	249	nod	27	25		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-15.5	1857.9	4.2	-28628.8	600.5	-237231.9
39.	-15.5	1736.2	4.2	-28628.8	437.8	-167145.5
78.	-15.5	1614.6	4.2	-28628.8	275.1	-101804.6
117.	-15.5	1492.9	4.2	-28628.8	112.4	-41209.2
156.	-15.5	1371.2	4.2	-28628.8	-50.3	14640.7
195.	-15.5	1249.5	4.2	-28628.8	-213.0	65745.0
234.	-15.5	1127.8	4.2	-28628.8	-375.7	112103.8
273.	-15.5	1006.2	4.2	-28628.8	-538.3	153717.1
312.	-15.5	884.5	4.2	-28628.8	-701.0	190584.9

Asta	250	nod	28	26		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2.2	4445.6	5.9	-16965.9	926.7	-314524.3
39.	-2.2	3629.0	5.9	-16965.9	697.6	-157070.4
78.	-2.2	2812.3	5.9	-16965.9	468.4	-31466.2
117.	-2.2	1995.6	5.9	-16965.9	239.2	62288.3
156.	-2.2	1179.0	5.9	-16965.9	10.1	124193.0
195.	-2.2	362.3	5.9	-16965.9	-219.1	154248.0
234.	-2.2	-454.3	5.9	-16965.9	-448.3	152453.2
273.	-2.2	-1271.0	5.9	-16965.9	-677.4	118808.7
312.	-2.2	-2087.7	5.9	-16965.9	-906.6	53314.5

Asta	252	nod	150	48		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-26804.0	-842.1	-580.6	26594.2	-89615.4	43383.9
21.	-26719.4	-842.1	-580.6	26594.2	-77276.8	25488.9
43.	-26634.8	-842.1	-580.6	26594.2	-64938.3	7593.9
64.	-26550.2	-842.1	-580.6	26594.2	-52599.7	-10301.1
85.	-26465.6	-842.1	-580.6	26594.2	-40261.1	-28196.2
106.	-26381.0	-842.1	-580.6	26594.2	-27922.6	-46091.2
128.	-26296.4	-842.1	-580.6	26594.2	-15584.0	-63986.2
149.	-26211.8	-842.1	-580.6	26594.2	-3245.5	-81881.2
170.	-26127.2	-842.1	-580.6	26594.2	9093.1	-99776.2

Asta	254	nod	152	56		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-26820.6	-2663.3	594.4	26650.9	97644.7	16278.8
21.	-26736.0	-2663.3	594.4	26650.9	85014.1	-40317.0
43.	-26651.4	-2663.3	594.4	26650.9	72383.5	-96912.8
64.	-26566.8	-2663.3	594.4	26650.9	59752.9	-153508.6
85.	-26482.2	-2663.3	594.4	26650.9	47122.3	-210104.4
106.	-26397.6	-2663.3	594.4	26650.9	34491.7	-266700.2
128.	-26313.0	-2663.3	594.4	26650.9	21861.0	-323296.0
149.	-26228.4	-2663.3	594.4	26650.9	9230.4	-379891.8
170.	-26143.8	-2663.3	594.4	26650.9	-3400.2	-436487.6

Asta	256	nod	150	152		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	43.7	5280.0	341.9	10378.4	53392.1	-173552.3
39.	43.7	3939.2	341.9	10378.4	40059.9	6221.7
78.	43.7	2598.4	341.9	10378.4	26727.7	133703.7
117.	43.7	1257.5	341.9	10378.4	13395.5	208893.7
156.	43.7	-83.3	341.9	10378.4	63.3	231791.8
195.	43.7	-1424.1	341.9	10378.4	-13268.9	202397.9
234.	43.7	-2764.9	341.9	10378.4	-26601.1	120712.0
273.	43.7	-4105.7	341.9	10378.4	-39933.3	-13265.9
312.	43.7	-5446.6	341.9	10378.4	-53265.5	-199535.7

Asta	257	nod	148	106		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-18097.0	-7293.7	768.0	13713.1	20950.9	7519.6
10.	-18097.0	-7293.7	768.0	13713.1	13270.5	-65416.9
20.	-18097.0	-7293.7	768.0	13713.1	5590.0	-138353.4
30.	-18097.0	-7293.7	768.0	13713.1	-2090.4	-211289.9
40.	-18097.0	-7293.7	768.0	13713.1	-9770.9	-284226.4
50.	-18097.0	-7293.7	768.0	13713.1	-17451.3	-357162.9
60.	-18097.0	-7293.7	768.0	13713.1	-25131.8	-430099.4

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70.	-18097.0	-7293.7	768.0	13713.1	-32812.2	-503035.9
80.	-18097.0	-7293.7	768.0	13713.1	-40492.7	-575972.4
Asta	258	nodì	147	105		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-42616.8	-4700.2	-594.9	-10395.5	32289.9	52796.7
10.	-42616.8	-4700.2	-594.9	-10395.5	38238.5	5794.6
20.	-42616.8	-4700.2	-594.9	-10395.5	44187.2	-41207.4
30.	-42616.8	-4700.2	-594.9	-10395.5	50135.8	-88209.4
40.	-42616.8	-4700.2	-594.9	-10395.5	56084.5	-135211.5
50.	-42616.8	-4700.2	-594.9	-10395.5	62033.2	-182213.5
60.	-42616.8	-4700.2	-594.9	-10395.5	67981.8	-229215.6
70.	-42616.8	-4700.2	-594.9	-10395.5	73930.5	-276217.6
80.	-42616.8	-4700.2	-594.9	-10395.5	79879.2	-323219.6
Asta	259	nodì	153	154		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	-33302.2	138.8	-42083.7	78663.8	4538636.3
106.	0.0	-25403.2	135.5	-35432.0	64098.3	1430655.2
212.	0.0	-17192.1	127.6	-28849.1	50149.7	-826251.2
317.	0.0	-8552.5	117.6	-22334.8	37167.7	-2192451.8
423.	0.0	581.6	107.6	-15889.3	25261.2	-2618668.0
529.	0.0	10225.5	98.9	-9512.6	14356.2	-2051324.2
635.	0.0	20343.9	92.5	-3204.5	4252.0	-437897.7
741.	0.0	30851.1	88.9	3034.9	-5321.8	2267730.9
847.	0.0	41610.7	87.8	9205.5	-14648.2	6099927.7
Asta	260	nodì	154	155		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	-35631.3	-29.1	-51405.6	-19343.9	4190020.2
87.	0.0	-26672.5	-28.5	-46389.6	-16823.5	1469714.9
175.	0.0	-17666.3	-27.0	-41468.7	-14394.1	-466284.3
262.	0.0	-8619.8	-25.1	-36642.9	-12113.7	-1614087.6
349.	0.0	452.1	-23.1	-31912.0	-10008.8	-1970771.8
437.	0.0	9526.4	-21.2	-27276.2	-8078.8	-1535064.6
524.	0.0	18572.7	-19.6	-22735.3	-6301.2	-308028.6
611.	0.0	27552.2	-18.6	-18289.5	-4636.0	1706254.4
699.	0.0	36418.8	-18.3	-13938.8	-3030.7	4499998.9
Asta	261	nodì	155	156		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-49942E-09	-56331E+05	-33899E+02	-17613E+05	-16468E+05	11288E+08
156.	0.0	-40949.8	-35.7	-9879.6	-11106.6	3726297.9
311.	0.0	-26236.5	-43.2	-2019.6	-5051.5	-1492270.3
467.	0.0	-12280.7	-58.1	5967.1	2739.4	-4479215.4
623.	0.0	882.3	-80.2	14080.4	13418.0	-5355871.9
778.	0.0	13271.3	-107.1	22320.3	27948.0	-4244857.3
934.	0.0	24959.3	-134.9	30686.9	46806.7	-1261646.8
1089.	0.0	36073.4	-157.6	39180.1	69686.6	3493852.2
1245.	0.0	46794.8	-167.3	47799.9	95197.5	9945725.5
Asta	262	nodì	157	156		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-11712.2	-24661.2	2483.1	-665079.2	461735.8	3389195.7
82.	-11712.2	-19044.6	2063.1	-656848.7	274955.4	1590924.5
165.	-11712.2	-13579.0	1697.9	-649672.0	120590.4	249779.1
247.	-11712.2	-8386.0	1399.4	-643549.0	-6401.8	-652052.4
329.	-11712.2	-3531.3	1173.1	-638479.7	-111776.3	-1140097.7
412.	-11712.2	975.0	1018.1	-634464.3	-201485.0	-1243004.9
494.	-11712.2	5178.7	927.6	-631502.5	-281161.5	-987946.4
576.	-11712.2	9181.6	888.3	-629594.6	-355605.1	-396023.7
659.	-11712.2	13141.1	880.5	-628740.4	-428265.7	522328.6
Asta	263	nodì	158	157		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	10734.1	-21002.9	-1440.9	563724.2	-537387.2	2811922.6
90.	10734.1	-16277.8	-1455.4	564828.6	-407597.1	1135170.2
180.	10734.1	-11224.1	-1524.6	567059.9	-274312.0	-102143.4
269.	10734.1	-5883.7	-1677.0	570417.9	-131234.5	-872379.4
359.	10734.1	-298.7	-1926.4	574902.8	29831.2	-1151677.2
449.	10734.1	5488.0	-2272.7	580514.4	217704.7	-919996.4
539.	10734.1	11433.1	-2701.7	587252.7	440554.2	-161157.8
629.	10734.1	17493.1	-3184.7	595117.9	704622.2	1137115.4
719.	10734.1	23623.7	-3679.0	604109.8	1012950.5	2983155.5
Asta	264	nodì	159	153		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-7948.6	-22162.4	-1826.1	488641.4	-322362.2	2969495.3
82.	-7948.6	-17164.9	-1505.6	482201.2	-185509.4	1350786.7
165.	-7948.6	-12204.8	-1229.2	476532.5	-73288.9	142661.9
247.	-7948.6	-7373.3	-1004.7	471635.5	18280.6	-661995.7
329.	-7948.6	-2720.3	-835.4	467510.0	93634.5	-1076105.1
412.	-7948.6	1745.7	-720.0	464156.2	157293.2	-1114993.8
494.	-7948.6	6057.1	-652.8	461573.9	213492.8	-793004.1
576.	-7948.6	10287.8	-623.7	459763.2	265816.1	-120098.5
659.	-7948.6	14552.9	-618.1	458724.1	316823.8	901533.9
Asta	265	nodì	160	159		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	7284.9	-19022.8	1136.3	-412478.8	416476.3	2572887.5
90.	7284.9	-14774.6	1148.0	-413717.6	314111.2	1053054.5
180.	7284.9	-10269.1	1203.3	-415784.4	208945.1	-73307.2
269.	7284.9	-5552.0	1323.7	-418679.0	96012.5	-785205.1
359.	7284.9	-661.1	1519.9	-422401.4	-31100.7	-1065393.6

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449.	7284.9	4374.4	1791.1	-426951.8	-179252.5	-899633.5
539.	7284.9	9533.4	2125.7	-432330.1	-354740.6	-275952.0
629.	7284.9	14802.9	2500.5	-438536.2	-562297.6	816097.8
719.	7284.9	20178.3	2881.4	-445570.2	-804087.1	2386176.7
Asta	266	nodì	160	161		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	-22505.9	-169.9	127904.1	-74415.0	3706758.4
120.	0.0	-16972.9	-161.4	131997.4	-54446.2	1344150.5
239.	0.0	-11339.3	-142.5	136596.7	-36205.5	-350000.6
359.	0.0	-5659.0	-120.8	141702.2	-20460.4	-1366918.4
479.	0.0	17.9	-102.0	147313.7	-7182.2	-1704050.5
598.	0.0	5644.7	-89.1	153431.3	4177.2	-1364638.2
718.	0.0	11178.3	-83.1	160055.0	14408.2	-357285.1
837.	0.0	16579.3	-82.4	167184.8	24266.8	1304473.6
957.	0.0	21812.0	-83.4	174820.6	34197.3	3602602.2
Asta	267	nodì	162	158		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	-23286.2	82.5	-158797.8	35370.0	3967047.7
123.	0.0	-17807.8	81.6	-150571.8	25247.4	1432128.2
247.	0.0	-12097.2	83.3	-142814.5	15136.9	-413030.5
370.	0.0	-6181.0	91.9	-135525.6	4425.6	-1541373.5
493.	0.0	-93.7	109.0	-128705.4	-7865.9	-1929612.9
616.	0.0	6123.3	133.3	-122353.7	-22737.3	-1559134.7
740.	0.0	12420.9	160.9	-116470.5	-40862.7	-416906.7
863.	0.0	18742.8	184.8	-111056.0	-62243.7	1503614.4
986.	0.0	25025.3	195.3	-106109.9	-85863.6	4201575.3
Asta	268	nodì	114	153		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	-30428.2	1919.3	993729.6	22535.4	-1292278.8
9.	0.0	-29949.5	1919.3	993392.5	5571.4	-1559110.9
18.	0.0	-29473.8	1919.2	993074.6	-11392.6	-1821725.0
27.	0.0	-29000.9	1919.2	992775.8	-28356.4	-2080147.0
35.	0.0	-28530.9	1919.3	992496.2	-45320.3	-2334402.1
44.	0.0	-28063.1	1919.3	992235.6	-62284.4	-2584513.0
53.	0.0	-27597.2	1919.3	991994.3	-79248.9	-2830498.2
62.	0.0	-27132.3	1919.4	991772.0	-96213.8	-3072370.4
71.	0.0	-26667.6	1919.4	991568.9	-113179.0	-3310135.0
Asta	269	nodì	116	154		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-664.7	-26502.0	205.9	-556405.3	7087.6	12875.5
6.	-664.7	-26048.4	205.9	-556388.2	5800.7	-151344.9
13.	-664.7	-25594.4	205.8	-556376.5	4514.3	-312728.7
19.	-664.7	-25140.0	205.8	-556370.2	3228.2	-471273.8
25.	-664.7	-24685.4	205.7	-556369.2	1942.4	-626978.4
31.	-664.7	-24230.6	205.7	-556373.6	656.8	-779840.9
38.	-664.7	-23775.4	205.7	-556383.3	-628.6	-929859.6
44.	-664.7	-23319.7	205.7	-556398.4	-1914.0	-1077032.0
50.	-664.7	-22863.3	205.6	-556418.9	-3199.3	-1221354.3
Asta	270	nodì	142	155		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-755.7	-35341.2	61.8	1879959.3	-2486.0	35090.8
6.	-755.7	-34892.3	61.8	1879904.6	-2872.5	-184388.8
13.	-755.7	-34443.2	61.9	1879868.0	-3259.0	-401062.2
19.	-755.7	-33994.3	61.9	1879849.6	-3645.7	-614929.3
25.	-755.7	-33545.5	61.9	1879849.3	-4032.4	-825990.8
31.	-755.7	-33096.8	61.9	1879867.1	-4419.3	-1034247.9
38.	-755.7	-32648.2	61.9	1879903.0	-4806.1	-1239701.1
44.	-755.7	-32199.4	61.9	1879957.1	-5193.0	-1442350.2
50.	-755.7	-31750.2	61.9	1880029.3	-5580.0	-1642193.2
Asta	271	nodì	118	156		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	-33364.7	-2545.9	-2303830.5	-20846.5	-2835952.9
9.	0.0	-32911.6	-2545.9	-2303345.7	1656.0	-3128851.7
18.	0.0	-32463.7	-2545.8	-2302905.2	24158.3	-3417768.4
27.	0.0	-32020.7	-2545.8	-2302509.1	46660.5	-3702748.1
35.	0.0	-31582.2	-2545.9	-2302157.4	69162.8	-3983832.5
44.	0.0	-31147.4	-2545.9	-2301850.1	91665.4	-4261058.1
53.	0.0	-30715.5	-2546.0	-2301587.2	114168.6	-4534454.4
62.	0.0	-30285.4	-2546.0	-2301368.7	136672.3	-4804042.0
71.	0.0	-29855.7	-2546.1	-2301194.5	159176.5	-5069830.6
Asta	272	nodì	119	157		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1220.0	-22653.6	3860.5	1661235.0	-109304.0	126788.9
6.	-1220.0	-22184.9	3862.5	1661131.7	-133438.4	-13328.7
13.	-1220.0	-21721.5	3864.7	1661044.5	-157585.9	-150533.1
19.	-1220.0	-21263.6	3867.3	1660973.3	-181748.3	-284858.5
25.	-1220.0	-20811.3	3870.1	1660918.1	-205927.3	-416339.7
31.	-1220.0	-20364.6	3873.2	1660878.9	-230124.9	-545011.4
38.	-1220.0	-19923.4	3876.6	1660855.7	-254342.8	-670908.4
44.	-1220.0	-19487.6	3880.2	1660848.5	-278582.8	-794064.8
50.	-1220.0	-19057.0	3884.1	1660857.3	-302846.4	-914513.8
Asta	273	nodì	158	131		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	23709.4	6277.4	518315.1	214181.3	-3304548.6
9.	0.0	24158.5	6277.3	518118.8	158697.0	-3093003.2
18.	0.0	24611.6	6277.2	517932.5	103213.4	-2877471.1

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27.	0.0	25069.7	6277.1	517756.2	47730.6	-2657912.6
35.	0.0	25533.4	6277.1	517589.8	-7751.6	-2434281.2
44.	0.0	26003.3	6277.1	517433.5	-63234.0	-2206524.1
53.	0.0	26479.8	6277.2	517287.1	-118716.8	-1974584.4
62.	0.0	26963.2	6277.3	517150.7	-174200.6	-1738402.6
71.	0.0	27453.5	6277.4	517024.3	-229685.1	-1497917.4
Asta	274	nodì	162	133		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2011.0	22215.7	285.0	582754.4	-550.9	-3929023.5
9.	-2011.0	22602.7	285.0	583102.5	-3070.2	-3730956.8
18.	-2011.0	22996.3	285.0	583461.8	-5589.5	-3529441.2
27.	-2011.0	23397.5	285.0	583832.5	-8108.3	-3324413.5
35.	-2011.0	23807.3	284.9	584214.3	-10626.7	-3115802.2
44.	-2011.0	24226.3	284.8	584607.5	-13144.4	-2903528.7
53.	-2011.0	24655.0	284.7	585011.9	-15661.3	-2687509.0
62.	-2011.0	25093.9	284.6	585427.6	-18177.3	-2467655.2
71.	-2011.0	25543.2	284.4	585854.5	-20692.1	-2243876.2
Asta	275	nodì	161	134		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1820.6	21643.7	-230.2	-556726.4	-40.9	-3687002.6
9.	-1820.6	22026.1	-230.2	-557070.9	1994.1	-3494012.0
18.	-1820.6	22414.7	-230.2	-557426.1	4028.9	-3297614.8
27.	-1820.6	22810.5	-230.1	-557792.0	6063.4	-3097751.6
35.	-1820.6	23214.4	-230.1	-558168.7	8097.3	-2894354.7
44.	-1820.6	23626.9	-230.0	-558556.2	10130.5	-2687350.2
53.	-1820.6	24048.6	-229.9	-558954.5	12162.9	-2476659.0
62.	-1820.6	24479.9	-229.8	-559363.5	14194.3	-2262198.2
71.	-1820.6	24920.9	-229.6	-559783.2	16224.4	-2043882.5
Asta	276	nodì	160	136		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	21903.5	-5802.2	-1017761.4	-162264.7	-2740903.2
9.	0.0	22308.7	-5802.2	-1017627.9	-110979.9	-2545513.3
18.	0.0	22717.6	-5802.1	-1017514.1	-59695.7	-2346525.9
27.	0.0	23131.0	-5802.0	-1017419.9	-8412.2	-2143905.3
35.	0.0	23549.4	-5802.0	-1017345.3	42871.1	-1937609.3
44.	0.0	23973.3	-5802.1	-1017290.4	94154.5	-1727591.1
53.	0.0	24403.0	-5802.2	-1017255.0	145438.7	-1513800.4
62.	0.0	24838.8	-5802.3	-1017239.3	196723.8	-1296184.8
71.	0.0	25280.5	-5802.3	-1017243.2	248009.6	-1074691.4
Asta	277	nodì	159	147		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2395.8	13687.9	-2093.5	-982184.8	-264496.8	-657571.1
6.	-2395.8	14067.7	-2090.9	-982119.2	-251420.6	-570836.9
13.	-2395.8	14451.5	-2088.5	-982063.2	-238360.2	-481716.5
19.	-2395.8	14839.5	-2086.3	-982016.5	-225314.2	-390184.2
25.	-2395.8	15231.8	-2084.3	-981979.4	-212281.3	-296213.4
31.	-2395.8	15628.4	-2082.6	-981951.7	-199260.1	-199777.4
38.	-2395.8	16029.3	-2081.1	-981933.5	-186248.9	-100849.2
44.	-2395.8	16434.5	-2079.8	-981924.7	-173246.4	598.1
50.	-2395.8	16843.9	-2078.8	-981925.4	-160251.0	104591.0
Asta	278	nodì	161	128		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	4343.2	-488.6	-584195.6	-47166.9	2677101.5
51.	0.0	2015.3	-489.2	-584202.0	-22142.6	2841067.7
102.	0.0	-661.4	-491.1	-584586.0	2942.5	2877484.5
154.	0.0	-3808.3	-494.7	-585347.4	28169.8	2765310.1
205.	0.0	-7528.2	-499.9	-586486.4	53624.3	2477761.4
256.	0.0	-11905.5	-506.1	-588002.8	79374.3	1983264.0
307.	0.0	-17005.9	-512.5	-589896.8	105450.8	1246400.7
358.	0.0	-22876.7	-517.6	-592168.2	131826.9	228861.4
410.	0.0	-29546.6	-519.7	-594817.1	158397.3	-1109608.0
Asta	279	nodì	162	129		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	-4118.4	-491.0	505738.7	-47764.9	-2903108.7
51.	0.0	-1758.5	-491.5	505627.2	-22620.0	-3054807.3
102.	0.0	969.2	-493.4	505842.2	2585.1	-3076872.5
154.	0.0	4194.4	-497.0	506383.7	27931.5	-2947070.0
205.	0.0	8027.5	-502.2	507251.7	53504.3	-2637018.5
256.	0.0	12558.8	-508.4	508446.2	79371.9	-2113200.9
307.	0.0	17859.1	-514.8	509967.1	105565.7	-1337975.9
358.	0.0	23979.2	-519.9	511814.6	132058.9	-270590.6
410.	0.0	30950.3	-522.0	513988.6	158746.4	1131808.7
Asta	280	nodì	163	164		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.9	33.4	0.1	-51.0	46.5	-14109.4
106.	0.9	33.4	0.1	-51.0	37.1	-10576.2
212.	0.9	33.4	0.1	-51.0	27.8	-7043.0
317.	0.9	33.4	0.1	-51.0	18.4	-3509.8
423.	0.9	33.4	0.1	-51.0	9.0	23.4
529.	0.9	33.4	0.1	-51.0	-0.3	3556.6
635.	0.9	33.4	0.1	-51.0	-9.7	7089.8
741.	0.9	33.4	0.1	-51.0	-19.1	10623.0
847.	0.9	33.4	0.1	-51.0	-28.4	14156.2
Asta	281	nodì	164	165		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	1.2	-8.8	0.1	20.1	15.1	2886.3

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87.	1.2	-8.8	0.1	20.1	10.0	2115.4
175.	1.2	-8.8	0.1	20.1	4.9	1344.6
262.	1.2	-8.8	0.1	20.1	-0.2	573.8
349.	1.2	-8.8	0.1	20.1	-5.3	-197.1
437.	1.2	-8.8	0.1	20.1	-10.4	-967.9
524.	1.2	-8.8	0.1	20.1	-15.5	-1738.7
611.	1.2	-8.8	0.1	20.1	-20.6	-2509.5
699.	1.2	-8.8	0.1	20.1	-25.7	-3280.4
Asta	282	nod	165	166		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	1.6	-14.4	0.0	9.7	-0.8	9076.5
156.	1.6	-14.4	0.0	9.7	1.1	6831.9
311.	1.6	-14.4	0.0	9.7	3.0	4587.3
467.	1.6	-14.4	0.0	9.7	4.9	2342.7
623.	1.6	-14.4	0.0	9.7	6.9	98.1
778.	1.6	-14.4	0.0	9.7	8.8	-2146.5
934.	1.6	-14.4	0.0	9.7	10.7	-4391.1
1089.	1.6	-14.4	0.0	9.7	12.6	-6635.7
1245.	1.6	-14.4	0.0	9.7	14.5	-8880.3
Asta	283	nod	167	166		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.9	-161.8	-0.4	-1950.5	-164.6	53747.8
82.	-0.9	-161.8	-0.4	-1950.5	-131.4	40426.0
165.	-0.9	-161.8	-0.4	-1950.5	-98.2	27104.2
247.	-0.9	-161.8	-0.4	-1950.5	-65.0	13782.4
329.	-0.9	-161.8	-0.4	-1950.5	-31.8	460.6
412.	-0.9	-161.8	-0.4	-1950.5	1.4	-12861.1
494.	-0.9	-161.8	-0.4	-1950.5	34.6	-26182.9
576.	-0.9	-161.8	-0.4	-1950.5	67.8	-39504.7
659.	-0.9	-161.8	-0.4	-1950.5	101.0	-52826.5
Asta	284	nod	168	167		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.8	-23.5	0.0	1764.5	68.7	7977.1
90.	-0.8	-23.5	0.0	1764.5	69.7	5867.5
180.	-0.8	-23.5	0.0	1764.5	70.6	3758.0
269.	-0.8	-23.5	0.0	1764.5	71.6	1648.4
359.	-0.8	-23.5	0.0	1764.5	72.5	-461.2
449.	-0.8	-23.5	0.0	1764.5	73.5	-2570.8
539.	-0.8	-23.5	0.0	1764.5	74.5	-4680.3
629.	-0.8	-23.5	0.0	1764.5	75.4	-6789.9
719.	-0.8	-23.5	0.0	1764.5	76.4	-8899.5
Asta	285	nod	169	163		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.6	-122.3	0.5	4831.7	192.2	40482.0
82.	-0.6	-122.3	0.5	4831.7	151.9	30414.4
165.	-0.6	-122.3	0.5	4831.7	111.6	20346.8
247.	-0.6	-122.3	0.5	4831.7	71.4	10279.2
329.	-0.6	-122.3	0.5	4831.7	31.1	211.6
412.	-0.6	-122.3	0.5	4831.7	-9.2	-9855.9
494.	-0.6	-122.3	0.5	4831.7	-49.4	-19923.5
576.	-0.6	-122.3	0.5	4831.7	-89.7	-29991.1
659.	-0.6	-122.3	0.5	4831.7	-130.0	-40058.7
Asta	286	nod	170	169		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.1	-28.5	0.1	-4475.1	-13.1	10094.0
90.	-0.1	-28.5	0.1	-4475.1	-25.9	7538.2
180.	-0.1	-28.5	0.1	-4475.1	-38.7	4982.4
269.	-0.1	-28.5	0.1	-4475.1	-51.5	2426.6
359.	-0.1	-28.5	0.1	-4475.1	-64.3	-129.2
449.	-0.1	-28.5	0.1	-4475.1	-77.1	-2685.0
539.	-0.1	-28.5	0.1	-4475.1	-89.9	-5240.8
629.	-0.1	-28.5	0.1	-4475.1	-102.7	-7796.6
719.	-0.1	-28.5	0.1	-4475.1	-115.5	-10352.4
Asta	287	nod	170	171		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.2	-4.6	-0.1	-157.8	-69.6	2188.9
120.	-1.2	-4.6	-0.1	-157.8	-56.0	1633.2
239.	-1.2	-4.6	-0.1	-157.8	-42.4	1077.5
359.	-1.2	-4.6	-0.1	-157.8	-28.9	521.7
479.	-1.2	-4.6	-0.1	-157.8	-15.3	-34.0
598.	-1.2	-4.6	-0.1	-157.8	-1.8	-589.7
718.	-1.2	-4.6	-0.1	-157.8	11.8	-1145.4
837.	-1.2	-4.6	-0.1	-157.8	25.3	-1701.2
957.	-1.2	-4.6	-0.1	-157.8	38.9	-2256.9
Asta	288	nod	172	168		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.6	5.8	0.2	104.0	74.0	-2866.0
123.	-0.6	5.8	0.2	104.0	50.8	-2145.6
247.	-0.6	5.8	0.2	104.0	27.6	-1425.2
370.	-0.6	5.8	0.2	104.0	4.3	-704.8
493.	-0.6	5.8	0.2	104.0	-18.9	15.6
616.	-0.6	5.8	0.2	104.0	-42.2	736.0
740.	-0.6	5.8	0.2	104.0	-65.4	1456.3
863.	-0.6	5.8	0.2	104.0	-88.6	2176.7
986.	-0.6	5.8	0.2	104.0	-111.9	2897.1
Asta	289	nod	2	163		

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PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-7.8	3015.6	27.1	66682.4	-11.7	-550581.3
9.	-7.8	3015.6	27.1	66682.4	-251.4	-523927.0
18.	-7.8	3015.6	27.1	66682.4	-491.1	-497272.6
27.	-7.8	3015.6	27.1	66682.4	-730.9	-470618.3
35.	-7.8	3015.6	27.1	66682.4	-970.6	-443964.0
44.	-7.8	3015.6	27.1	66682.4	-1210.3	-417309.6
53.	-7.8	3015.6	27.1	66682.4	-1450.0	-390655.3
62.	-7.8	3015.6	27.1	66682.4	-1689.7	-364001.0
71.	-7.8	3015.6	27.1	66682.4	-1929.4	-337346.6
Asta	290	nodt	6	164		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3.9	-12231.1	1.0	25937.2	-24.2	99145.9
6.	-3.9	-12231.1	1.0	25937.2	-30.5	22701.5
13.	-3.9	-12231.1	1.0	25937.2	-36.9	-53742.8
19.	-3.9	-12231.1	1.0	25937.2	-43.2	-130187.1
25.	-3.9	-12231.1	1.0	25937.2	-49.5	-206631.5
31.	-3.9	-12231.1	1.0	25937.2	-55.8	-283075.8
38.	-3.9	-12231.1	1.0	25937.2	-62.1	-359520.2
44.	-3.9	-12231.1	1.0	25937.2	-68.4	-435964.5
50.	-3.9	-12231.1	1.0	25937.2	-74.7	-512408.9
Asta	291	nodt	58	165		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-7.3	-11083.7	14.9	164628.0	35.0	96027.3
6.	-7.3	-11083.7	14.9	164628.0	-58.4	26753.9
13.	-7.3	-11083.7	14.9	164628.0	-151.7	-42519.5
19.	-7.3	-11083.7	14.9	164628.0	-245.1	-111792.9
25.	-7.3	-11083.7	14.9	164628.0	-338.4	-181066.3
31.	-7.3	-11083.7	14.9	164628.0	-431.8	-250339.7
38.	-7.3	-11083.7	14.9	164628.0	-525.1	-319613.0
44.	-7.3	-11083.7	14.9	164628.0	-618.5	-388886.4
50.	-7.3	-11083.7	14.9	164628.0	-711.9	-458159.8
Asta	292	nodt	10	166		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-11.8	1155.2	-21.5	48374.0	-29.6	-421945.3
9.	-11.8	1155.2	-21.5	48374.0	160.5	-411734.5
18.	-11.8	1155.2	-21.5	48374.0	350.7	-401523.8
27.	-11.8	1155.2	-21.5	48374.0	540.9	-391313.1
35.	-11.8	1155.2	-21.5	48374.0	731.1	-381102.4
44.	-11.8	1155.2	-21.5	48374.0	921.2	-370891.7
53.	-11.8	1155.2	-21.5	48374.0	1111.4	-360681.0
62.	-11.8	1155.2	-21.5	48374.0	1301.6	-350470.3
71.	-11.8	1155.2	-21.5	48374.0	1491.8	-340259.6
Asta	293	nodt	12	167		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	2.6	-8993.1	-102.7	-189402.0	129.2	-477294.0
6.	2.6	-8993.1	-102.7	-189402.0	771.2	-533501.0
13.	2.6	-8993.1	-102.7	-189402.0	1413.2	-589708.1
19.	2.6	-8993.1	-102.7	-189402.0	2055.2	-645915.1
25.	2.6	-8993.1	-102.7	-189402.0	2697.2	-702122.1
31.	2.6	-8993.1	-102.7	-189402.0	3339.2	-758329.2
38.	2.6	-8993.1	-102.7	-189402.0	3981.2	-814536.2
44.	2.6	-8993.1	-102.7	-189402.0	4623.2	-870743.3
50.	2.6	-8993.1	-102.7	-189402.0	5265.2	-926950.3
Asta	294	nodt	168	36		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.4	-529.8	60.1	181622.5	4258.8	-306453.2
9.	-0.4	-529.8	60.1	181622.5	3727.5	-311135.7
18.	-0.4	-529.8	60.1	181622.5	3196.2	-315818.1
27.	-0.4	-529.8	60.1	181622.5	2664.9	-320500.5
35.	-0.4	-529.8	60.1	181622.5	2133.6	-325182.9
44.	-0.4	-529.8	60.1	181622.5	1602.3	-329865.4
53.	-0.4	-529.8	60.1	181622.5	1071.0	-334547.8
62.	-0.4	-529.8	60.1	181622.5	539.7	-339230.2
71.	-0.4	-529.8	60.1	181622.5	8.4	-343912.6
Asta	295	nodt	172	40		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-16.5	130.7	14.9	-157263.9	1035.4	-424109.6
9.	-16.5	130.7	14.9	-157263.9	904.0	-422954.3
18.	-16.5	130.7	14.9	-157263.9	772.7	-421798.9
27.	-16.5	130.7	14.9	-157263.9	641.3	-420643.6
35.	-16.5	130.7	14.9	-157263.9	510.0	-419488.2
44.	-16.5	130.7	14.9	-157263.9	378.6	-418332.9
53.	-16.5	130.7	14.9	-157263.9	247.3	-417177.5
62.	-16.5	130.7	14.9	-157263.9	115.9	-416022.2
71.	-16.5	130.7	14.9	-157263.9	-15.4	-414866.8
Asta	296	nodt	171	42		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-20.7	194.8	1.4	163728.8	-42.0	-414568.1
9.	-20.7	194.8	1.4	163728.8	-54.7	-412846.2
18.	-20.7	194.8	1.4	163728.8	-67.3	-411124.4
27.	-20.7	194.8	1.4	163728.8	-79.9	-409402.5
35.	-20.7	194.8	1.4	163728.8	-92.6	-407680.6
44.	-20.7	194.8	1.4	163728.8	-105.2	-405958.8
53.	-20.7	194.8	1.4	163728.8	-117.9	-404236.9
62.	-20.7	194.8	1.4	163728.8	-130.5	-402515.1
71.	-20.7	194.8	1.4	163728.8	-143.2	-400793.2

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Asta	297	nod	170	46		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	2.1	-1681.9	-40.1	46015.9	-2559.4	-282336.2
9.	2.1	-1681.9	-40.1	46015.9	-2205.2	-297202.5
18.	2.1	-1681.9	-40.1	46015.9	-1851.1	-312068.9
27.	2.1	-1681.9	-40.1	46015.9	-1496.9	-326935.3
35.	2.1	-1681.9	-40.1	46015.9	-1142.7	-341801.6
44.	2.1	-1681.9	-40.1	46015.9	-788.5	-356668.0
53.	2.1	-1681.9	-40.1	46015.9	-434.3	-371534.3
62.	2.1	-1681.9	-40.1	46015.9	-80.1	-386400.7
71.	2.1	-1681.9	-40.1	46015.9	274.1	-401267.0
Asta	298	nod	169	111		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	6.1	20562.8	156.9	-22921.7	5048.2	-1438313.0
6.	6.1	20562.8	156.9	-22921.7	4067.8	-1309795.2
13.	6.1	20562.8	156.9	-22921.7	3087.4	-1181277.4
19.	6.1	20562.8	156.9	-22921.7	2107.1	-1052759.7
25.	6.1	20562.8	156.9	-22921.7	1126.7	-924241.9
31.	6.1	20562.8	156.9	-22921.7	146.3	-795724.2
38.	6.1	20562.8	156.9	-22921.7	-834.1	-667206.4
44.	6.1	20562.8	156.9	-22921.7	-1814.5	-538688.7
50.	6.1	20562.8	156.9	-22921.7	-2794.8	-410170.9
Asta	322	nod	187	188		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.0	29.9	0.0	-195.8	-9.9	-12437.9
106.	-1.0	29.9	0.0	-195.8	-6.8	-9273.3
212.	-1.0	29.9	0.0	-195.8	-3.7	-6108.6
317.	-1.0	29.9	0.0	-195.8	-0.6	-2943.9
423.	-1.0	29.9	0.0	-195.8	2.5	220.7
529.	-1.0	29.9	0.0	-195.8	5.7	3385.4
635.	-1.0	29.9	0.0	-195.8	8.8	6550.1
741.	-1.0	29.9	0.0	-195.8	11.9	9714.8
847.	-1.0	29.9	0.0	-195.8	15.0	12879.4
Asta	323	nod	188	189		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.2	-11.0	0.0	7.5	-17.1	3839.4
87.	-1.2	-11.0	0.0	7.5	-13.2	2882.9
175.	-1.2	-11.0	0.0	7.5	-9.3	1926.4
262.	-1.2	-11.0	0.0	7.5	-5.4	969.9
349.	-1.2	-11.0	0.0	7.5	-1.5	13.3
437.	-1.2	-11.0	0.0	7.5	2.4	-943.2
524.	-1.2	-11.0	0.0	7.5	6.3	-1899.7
611.	-1.2	-11.0	0.0	7.5	10.2	-2856.2
699.	-1.2	-11.0	0.0	7.5	14.1	-3812.7
Asta	324	nod	189	190		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.0	-13.9	0.0	70.6	-8.1	8919.2
156.	-1.0	-13.9	0.0	70.6	-5.6	6748.9
311.	-1.0	-13.9	0.0	70.6	-3.2	4578.6
467.	-1.0	-13.9	0.0	70.6	-0.8	2408.3
623.	-1.0	-13.9	0.0	70.6	1.7	237.9
778.	-1.0	-13.9	0.0	70.6	4.1	-1932.4
934.	-1.0	-13.9	0.0	70.6	6.5	-4102.7
1089.	-1.0	-13.9	0.0	70.6	9.0	-6273.0
1245.	-1.0	-13.9	0.0	70.6	11.4	-8443.3
Asta	325	nod	93	189		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2.5	-11416.5	-5.1	181571.7	-7.7	68640.2
6.	-2.5	-11416.5	-5.1	181571.7	23.9	-2712.9
13.	-2.5	-11416.5	-5.1	181571.7	55.6	-74065.9
19.	-2.5	-11416.5	-5.1	181571.7	87.3	-145419.0
25.	-2.5	-11416.5	-5.1	181571.7	119.0	-216772.0
31.	-2.5	-11416.5	-5.1	181571.7	150.6	-288125.1
38.	-2.5	-11416.5	-5.1	181571.7	182.3	-359478.1
44.	-2.5	-11416.5	-5.1	181571.7	214.0	-430831.2
50.	-2.5	-11416.5	-5.1	181571.7	245.6	-502184.2
Asta	326	nod	67	188		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-4.0	-12752.7	-7.7	104873.7	7.2	71260.5
6.	-4.0	-12752.7	-7.7	104873.7	55.6	-8444.2
13.	-4.0	-12752.7	-7.7	104873.7	104.0	-88148.8
19.	-4.0	-12752.7	-7.7	104873.7	152.5	-167853.5
25.	-4.0	-12752.7	-7.7	104873.7	200.9	-247558.2
31.	-4.0	-12752.7	-7.7	104873.7	249.3	-327262.9
38.	-4.0	-12752.7	-7.7	104873.7	297.8	-406967.5
44.	-4.0	-12752.7	-7.7	104873.7	346.2	-486672.2
50.	-4.0	-12752.7	-7.7	104873.7	394.6	-566376.9
Asta	327	nod	65	187		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.3	-3203.1	-2.1	226315.9	-55.3	-265069.6
9.	0.3	-3203.1	-2.1	226315.9	-36.6	-293380.9
18.	0.3	-3203.1	-2.1	226315.9	-17.8	-321692.1
27.	0.3	-3203.1	-2.1	226315.9	0.9	-350003.3
35.	0.3	-3203.1	-2.1	226315.9	19.7	-378314.6
44.	0.3	-3203.1	-2.1	226315.9	38.4	-406625.8
53.	0.3	-3203.1	-2.1	226315.9	57.2	-434937.1

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62.	0.3	-3203.1	-2.1	226315.9	75.9	-463248.3
71.	0.3	-3203.1	-2.1	226315.9	94.7	-491559.6
Asta	328	nodì	191	187		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.3	-115.0	0.0	9508.2	20.4	37738.3
82.	-0.3	-115.0	0.0	9508.2	16.5	28268.3
165.	-0.3	-115.0	0.0	9508.2	12.5	18798.2
247.	-0.3	-115.0	0.0	9508.2	8.6	9328.2
329.	-0.3	-115.0	0.0	9508.2	4.7	-141.8
412.	-0.3	-115.0	0.0	9508.2	0.8	-9611.8
494.	-0.3	-115.0	0.0	9508.2	-3.2	-19081.8
576.	-0.3	-115.0	0.0	9508.2	-7.1	-28551.8
659.	-0.3	-115.0	0.0	9508.2	-11.0	-38021.8
Asta	329	nodì	191	108		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-13.7	11408.3	12.2	-109035.2	461.2	-1083692.9
6.	-13.7	11408.3	12.2	-109035.2	385.0	-1012391.1
13.	-13.7	11408.3	12.2	-109035.2	308.7	-941089.3
19.	-13.7	11408.3	12.2	-109035.2	232.5	-869787.5
25.	-13.7	11408.3	12.2	-109035.2	156.3	-798485.7
31.	-13.7	11408.3	12.2	-109035.2	80.0	-727183.9
38.	-13.7	11408.3	12.2	-109035.2	3.8	-655882.1
44.	-13.7	11408.3	12.2	-109035.2	-72.4	-584580.3
50.	-13.7	11408.3	12.2	-109035.2	-148.7	-513278.5
Asta	330	nodì	192	191		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.3	-21.0	-0.1	-8814.3	-30.1	7978.1
90.	-0.3	-21.0	-0.1	-8814.3	-25.5	6090.8
180.	-0.3	-21.0	-0.1	-8814.3	-21.0	4203.6
269.	-0.3	-21.0	-0.1	-8814.3	-16.4	2316.3
359.	-0.3	-21.0	-0.1	-8814.3	-11.9	429.1
449.	-0.3	-21.0	-0.1	-8814.3	-7.3	-1458.2
539.	-0.3	-21.0	-0.1	-8814.3	-2.8	-3345.4
629.	-0.3	-21.0	-0.1	-8814.3	1.8	-5232.7
719.	-0.3	-21.0	-0.1	-8814.3	6.3	-7119.9
Asta	331	nodì	192	87		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.4	1916.8	-16.7	-116118.3	-1121.9	-394477.0
9.	-1.4	1916.8	-16.7	-116118.3	-974.3	-377534.5
18.	-1.4	1916.8	-16.7	-116118.3	-826.8	-360592.1
27.	-1.4	1916.8	-16.7	-116118.3	-679.2	-343649.6
35.	-1.4	1916.8	-16.7	-116118.3	-531.6	-326707.1
44.	-1.4	1916.8	-16.7	-116118.3	-384.0	-309764.6
53.	-1.4	1916.8	-16.7	-116118.3	-236.4	-292822.1
62.	-1.4	1916.8	-16.7	-116118.3	-88.8	-275879.7
71.	-1.4	1916.8	-16.7	-116118.3	58.8	-258937.2
Asta	332	nodì	192	193		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.2	-4.5	-0.1	8.2	-31.8	2677.2
120.	-0.2	-4.5	-0.1	8.2	-24.6	2140.8
239.	-0.2	-4.5	-0.1	8.2	-17.5	1604.4
359.	-0.2	-4.5	-0.1	8.2	-10.3	1068.0
479.	-0.2	-4.5	-0.1	8.2	-3.1	531.6
598.	-0.2	-4.5	-0.1	8.2	4.1	-4.8
718.	-0.2	-4.5	-0.1	8.2	11.2	-541.3
837.	-0.2	-4.5	-0.1	8.2	18.4	-1077.7
957.	-0.2	-4.5	-0.1	8.2	25.6	-1614.1
Asta	333	nodì	193	85		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2.0	2706.9	-7.6	219916.1	-512.7	-501810.3
9.	-2.0	2706.9	-7.6	219916.1	-445.6	-477884.2
18.	-2.0	2706.9	-7.6	219916.1	-378.5	-453958.1
27.	-2.0	2706.9	-7.6	219916.1	-311.4	-430032.0
35.	-2.0	2706.9	-7.6	219916.1	-244.3	-406105.9
44.	-2.0	2706.9	-7.6	219916.1	-177.2	-382179.8
53.	-2.0	2706.9	-7.6	219916.1	-110.1	-358253.8
62.	-2.0	2706.9	-7.6	219916.1	-43.0	-334327.7
71.	-2.0	2706.9	-7.6	219916.1	24.0	-310401.6
Asta	334	nodì	194	84		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.1	2807.2	-0.8	-218579.3	-50.8	-512300.0
9.	-0.1	2807.2	-0.8	-218579.3	-43.4	-487487.7
18.	-0.1	2807.2	-0.8	-218579.3	-36.0	-462675.4
27.	-0.1	2807.2	-0.8	-218579.3	-28.6	-437863.0
35.	-0.1	2807.2	-0.8	-218579.3	-21.2	-413050.7
44.	-0.1	2807.2	-0.8	-218579.3	-13.8	-388238.4
53.	-0.1	2807.2	-0.8	-218579.3	-6.4	-363426.1
62.	-0.1	2807.2	-0.8	-218579.3	1.0	-338613.8
71.	-0.1	2807.2	-0.8	-218579.3	8.4	-313801.5
Asta	335	nodì	194	195		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.7	4.9	0.0	-76.4	6.9	-1883.8
123.	-0.7	4.9	0.0	-76.4	4.0	-1275.0
247.	-0.7	4.9	0.0	-76.4	1.1	-666.2
370.	-0.7	4.9	0.0	-76.4	-1.8	-57.4
493.	-0.7	4.9	0.0	-76.4	-4.6	551.5

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616.	-0.7	4.9	0.0	-76.4	-7.5	1160.3
740.	-0.7	4.9	0.0	-76.4	-10.4	1769.1
863.	-0.7	4.9	0.0	-76.4	-13.3	2377.9
986.	-0.7	4.9	0.0	-76.4	-16.2	2986.7
Asta	336	nod	195	82		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.8	2038.8	9.8	242688.3	711.4	-397280.7
9.	-0.8	2038.8	9.8	242688.3	624.9	-379259.7
18.	-0.8	2038.8	9.8	242688.3	538.3	-361238.6
27.	-0.8	2038.8	9.8	242688.3	451.8	-343217.6
35.	-0.8	2038.8	9.8	242688.3	365.3	-325196.5
44.	-0.8	2038.8	9.8	242688.3	278.7	-307175.5
53.	-0.8	2038.8	9.8	242688.3	192.2	-289154.5
62.	-0.8	2038.8	9.8	242688.3	105.7	-271133.4
71.	-0.8	2038.8	9.8	242688.3	19.1	-253112.4
Asta	337	nod	195	196		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.2	-14.4	0.0	6874.3	11.5	5503.5
90.	-0.2	-14.4	0.0	6874.3	11.7	4209.9
180.	-0.2	-14.4	0.0	6874.3	11.9	2916.3
269.	-0.2	-14.4	0.0	6874.3	12.1	1622.7
359.	-0.2	-14.4	0.0	6874.3	12.3	329.2
449.	-0.2	-14.4	0.0	6874.3	12.5	-964.4
539.	-0.2	-14.4	0.0	6874.3	12.8	-2258.0
629.	-0.2	-14.4	0.0	6874.3	13.0	-3551.6
719.	-0.2	-14.4	0.0	6874.3	13.2	-4845.2
Asta	338	nod	70	196		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-9.0	-5590.0	-14.5	5989.2	128.1	-497669.7
6.	-9.0	-5590.0	-14.5	5989.2	218.5	-532606.9
13.	-9.0	-5590.0	-14.5	5989.2	309.0	-567544.1
19.	-9.0	-5590.0	-14.5	5989.2	399.5	-602481.3
25.	-9.0	-5590.0	-14.5	5989.2	490.0	-637418.5
31.	-9.0	-5590.0	-14.5	5989.2	580.5	-672355.7
38.	-9.0	-5590.0	-14.5	5989.2	671.0	-707292.9
44.	-9.0	-5590.0	-14.5	5989.2	761.5	-742230.1
50.	-9.0	-5590.0	-14.5	5989.2	852.0	-777167.3
Asta	339	nod	196	190		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.5	-149.4	-0.1	-7551.8	-46.0	49138.5
82.	-0.5	-149.4	-0.1	-7551.8	-35.1	36841.2
165.	-0.5	-149.4	-0.1	-7551.8	-24.3	24544.0
247.	-0.5	-149.4	-0.1	-7551.8	-13.4	12246.7
329.	-0.5	-149.4	-0.1	-7551.8	-2.6	-50.6
412.	-0.5	-149.4	-0.1	-7551.8	8.2	-12347.9
494.	-0.5	-149.4	-0.1	-7551.8	19.1	-24645.2
576.	-0.5	-149.4	-0.1	-7551.8	29.9	-36942.5
659.	-0.5	-149.4	-0.1	-7551.8	40.8	-49239.8
Asta	340	nod	69	190		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	1.4	-4056.0	-8.2	-127523.3	-10.9	-166829.6
9.	1.4	-4056.0	-8.2	-127523.3	61.4	-202680.1
18.	1.4	-4056.0	-8.2	-127523.3	133.6	-238530.6
27.	1.4	-4056.0	-8.2	-127523.3	205.8	-274381.0
35.	1.4	-4056.0	-8.2	-127523.3	278.1	-310231.5
44.	1.4	-4056.0	-8.2	-127523.3	350.3	-346082.0
53.	1.4	-4056.0	-8.2	-127523.3	422.5	-381932.4
62.	1.4	-4056.0	-8.2	-127523.3	494.8	-417782.9
71.	1.4	-4056.0	-8.2	-127523.3	567.0	-453633.4
Asta	341	nod	160	197		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	2278.3	-1156.1	-17778.9	17532.0	-2021274.8	8092.8
10.	2278.3	-1156.1	-17778.9	17532.0	-1843485.4	-3468.4
20.	2278.3	-1156.1	-17778.9	17532.0	-1665696.0	-15029.7
30.	2278.3	-1156.1	-17778.9	17532.0	-1487906.6	-26591.0
40.	2278.3	-1156.1	-17778.9	17532.0	-1310117.2	-38152.3
50.	2278.3	-1156.1	-17778.9	17532.0	-1132337.8	-49713.6
60.	2278.3	-1156.1	-17778.9	17532.0	-954538.4	-61274.8
70.	2278.3	-1156.1	-17778.9	17532.0	-776749.0	-72836.1
80.	2278.3	-1156.1	-17778.9	17532.0	-598959.6	-84397.4
Asta	342	nod	170	192		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1891.3	1302.0	-1060.4	1183.8	6652.2	-253833.0
43.	-1891.3	1302.0	-1060.4	1183.8	51718.5	-198496.4
85.	-1891.3	1302.0	-1060.4	1183.8	96784.8	-143159.8
128.	-1891.3	1302.0	-1060.4	1183.8	141851.1	-87823.3
170.	-1891.3	1302.0	-1060.4	1183.8	186917.4	-32486.7
213.	-1891.3	1302.0	-1060.4	1183.8	231983.7	22849.8
255.	-1891.3	1302.0	-1060.4	1183.8	277050.0	78186.4
298.	-1891.3	1302.0	-1060.4	1183.8	322116.2	133522.9
340.	-1891.3	1302.0	-1060.4	1183.8	367182.5	188859.5
Asta	343	nod	161	198		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-252.9	26409.1	-69161.4	2773.5	-8540081.3	-2889030.7
10.	-252.9	26409.1	-69161.4	2773.5	-7848467.4	-2624939.7
20.	-252.9	26409.1	-69161.4	2773.5	-7156853.5	-2360848.7

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30.	-252.9	26409.1	-69161.4	2773.5	-6465239.6	-2096757.7
40.	-252.9	26409.1	-69161.4	2773.5	-5773625.7	-1832666.8
50.	-252.9	26409.1	-69161.4	2773.5	-5082011.8	-1568575.8
60.	-252.9	26409.1	-69161.4	2773.5	-4390398.0	-1304484.8
70.	-252.9	26409.1	-69161.4	2773.5	-3698784.1	-1040393.8
80.	-252.9	26409.1	-69161.4	2773.5	-3007170.2	-776302.9

Asta	344	nod	171	193		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2709.4	2022.4	-296.3	552.8	98559.1	-175551.9
43.	-2709.4	2022.4	-296.3	552.8	111152.5	-89601.3
85.	-2709.4	2022.4	-296.3	552.8	123746.0	-3650.6
128.	-2709.4	2022.4	-296.3	552.8	136339.4	82300.0
170.	-2709.4	2022.4	-296.3	552.8	148932.8	168250.6
213.	-2709.4	2022.4	-296.3	552.8	161526.2	254201.3
255.	-2709.4	2022.4	-296.3	552.8	174119.7	340151.9
298.	-2709.4	2022.4	-296.3	552.8	186713.1	426102.5
340.	-2709.4	2022.4	-296.3	552.8	199306.5	512053.2

Asta	345	nod	162	199		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-343.4	73500.6	-26898.8	-3817.8	-2906223.7	-9122989.6
10.	-343.4	73500.6	-26898.8	-3817.8	-2637235.9	-8387983.4
20.	-343.4	73500.6	-26898.8	-3817.8	-2368248.1	-7652977.2
30.	-343.4	73500.6	-26898.8	-3817.8	-2099260.3	-6917971.0
40.	-343.4	73500.6	-26898.8	-3817.8	-1830272.5	-6182964.8
50.	-343.4	73500.6	-26898.8	-3817.8	-1561284.7	-5447958.5
60.	-343.4	73500.6	-26898.8	-3817.8	-1292296.9	-4712952.3
70.	-343.4	73500.6	-26898.8	-3817.8	-1023309.0	-3977946.1
80.	-343.4	73500.6	-26898.8	-3817.8	-754321.2	-3242939.9

Asta	346	nod	172	194		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2814.1	335.2	-1858.1	54.1	-114650.0	93675.5
43.	-2814.1	335.2	-1858.1	54.1	-35678.6	107919.8
85.	-2814.1	335.2	-1858.1	54.1	43292.7	122164.1
128.	-2814.1	335.2	-1858.1	54.1	122264.0	136408.4
170.	-2814.1	335.2	-1858.1	54.1	201235.3	150652.7
213.	-2814.1	335.2	-1858.1	54.1	280206.6	164897.1
255.	-2814.1	335.2	-1858.1	54.1	359177.9	179141.4
298.	-2814.1	335.2	-1858.1	54.1	438149.2	193385.7
340.	-2814.1	335.2	-1858.1	54.1	517120.5	207630.0

Asta	347	nod	158	200		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	1390.5	15169.1	-7353.7	-23161.0	-1234516.6	-1768494.6
10.	1390.5	15169.1	-7353.7	-23161.0	-1160979.8	-1616803.6
20.	1390.5	15169.1	-7353.7	-23161.0	-1087442.9	-1465112.6
30.	1390.5	15169.1	-7353.7	-23161.0	-1013906.1	-1313421.6
40.	1390.5	15169.1	-7353.7	-23161.0	-940369.2	-1161730.7
50.	1390.5	15169.1	-7353.7	-23161.0	-866832.4	-1010039.7
60.	1390.5	15169.1	-7353.7	-23161.0	-793295.5	-858348.7
70.	1390.5	15169.1	-7353.7	-23161.0	-719758.7	-706657.7
80.	1390.5	15169.1	-7353.7	-23161.0	-646221.8	-554966.8

Asta	348	nod	168	195		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2019.5	1852.1	-970.3	-739.1	-226030.7	-173294.6
43.	-2019.5	1852.1	-970.3	-739.1	-184791.1	-94581.1
85.	-2019.5	1852.1	-970.3	-739.1	-143551.5	-15867.5
128.	-2019.5	1852.1	-970.3	-739.1	-102311.9	62846.1
170.	-2019.5	1852.1	-970.3	-739.1	-61072.2	141559.7
213.	-2019.5	1852.1	-970.3	-739.1	-19832.6	220273.3
255.	-2019.5	1852.1	-970.3	-739.1	21407.0	298986.9
298.	-2019.5	1852.1	-970.3	-739.1	62646.6	377700.5
340.	-2019.5	1852.1	-970.3	-739.1	103886.2	456414.1

Asta	349	nod	193	194		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.3	-2.0	0.0	-14.5	-14.5	101.5
106.	0.3	-2.0	0.0	-14.5	-11.5	-107.8
212.	0.3	-2.0	0.0	-14.5	-8.4	-317.1
318.	0.3	-2.0	0.0	-14.5	-5.3	-526.4
424.	0.3	-2.0	0.0	-14.5	-2.2	-735.7
529.	0.3	-2.0	0.0	-14.5	0.9	-945.0
635.	0.3	-2.0	0.0	-14.5	4.0	-1154.4
741.	0.3	-2.0	0.0	-14.5	7.1	-1363.7
847.	0.3	-2.0	0.0	-14.5	10.2	-1573.0

Asta	350	nod	171	172		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3.5	-1.5	0.0	-16.2	3.2	639.0
106.	-3.5	-1.5	0.0	-16.2	-0.9	477.3
212.	-3.5	-1.5	0.0	-16.2	-4.9	315.6
318.	-3.5	-1.5	0.0	-16.2	-9.0	153.9
424.	-3.5	-1.5	0.0	-16.2	-13.1	-7.9
529.	-3.5	-1.5	0.0	-16.2	-17.1	-169.6
635.	-3.5	-1.5	0.0	-16.2	-21.2	-331.3
741.	-3.5	-1.5	0.0	-16.2	-25.3	-493.0
847.	-3.5	-1.5	0.0	-16.2	-29.4	-654.8

Asta	351	nod	161	162		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	-17385.1	-18.1	-15033.7	-10114.3	2317756.0

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106.	0.0	-12910.6	-16.6	-8033.7	-8254.2	715198.2
212.	0.0	-8555.5	-12.6	-998.1	-6693.8	-420284.1
318.	0.0	-4280.6	-6.9	6073.2	-5650.9	-1099267.3
424.	0.0	-45.0	-0.5	13180.2	-5255.1	-1328089.9
529.	0.0	4193.4	5.9	20322.9	-5548.3	-1108697.3
635.	0.0	8478.4	11.5	27501.3	-6485.3	-438486.7
741.	0.0	12855.2	15.5	34715.3	-7934.6	689848.4
847.	0.0	17370.2	17.0	41965.1	-9678.9	2288473.2
Asta	352	nodì	159	206		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-14964.9	84.2	19420.6	-47268.8	2547688.2	380930.5
10.	-14964.9	84.2	19420.6	-47268.8	2353482.7	381772.1
20.	-14964.9	84.2	19420.6	-47268.8	2159277.1	382613.6
30.	-14964.9	84.2	19420.6	-47268.8	1965071.6	383455.2
40.	-14964.9	84.2	19420.6	-47268.8	1770866.1	384296.8
50.	-14964.9	84.2	19420.6	-47268.8	1576660.5	385138.4
60.	-14964.9	84.2	19420.6	-47268.8	1382455.0	385980.0
70.	-14964.9	84.2	19420.6	-47268.8	1188249.5	386821.5
80.	-14964.9	84.2	19420.6	-47268.8	994043.9	387663.1
Asta	353	nodì	169	191		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-11314.3	-5610.7	19.5	-475.2	-147272.8	842254.6
43.	-11314.3	-5610.7	19.5	-475.2	-148100.4	603801.5
85.	-11314.3	-5610.7	19.5	-475.2	-148928.0	365348.4
128.	-11314.3	-5610.7	19.5	-475.2	-149755.5	126895.2
170.	-11314.3	-5610.7	19.5	-475.2	-150583.1	-111557.9
213.	-11314.3	-5610.7	19.5	-475.2	-151410.7	-350011.0
255.	-11314.3	-5610.7	19.5	-475.2	-152238.2	-588464.2
298.	-11314.3	-5610.7	19.5	-475.2	-153065.8	-826917.3
340.	-11314.3	-5610.7	19.5	-475.2	-153893.4	-1065370.4
Asta	354	nodì	153	205		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	5480.0	18464.0	-21058.0	-11802.0	-2419497.3	-2003615.8
10.	5480.0	18464.0	-21058.0	-11802.0	-2208917.7	-1818975.5
20.	5480.0	18464.0	-21058.0	-11802.0	-1998338.2	-1634335.2
30.	5480.0	18464.0	-21058.0	-11802.0	-1787758.6	-1449694.8
40.	5480.0	18464.0	-21058.0	-11802.0	-1577179.1	-1265054.5
50.	5480.0	18464.0	-21058.0	-11802.0	-1366599.5	-1080414.2
60.	5480.0	18464.0	-21058.0	-11802.0	-1156020.0	-895773.9
70.	5480.0	18464.0	-21058.0	-11802.0	-945440.5	-711133.6
80.	5480.0	18464.0	-21058.0	-11802.0	-734860.9	-526493.3
Asta	355	nodì	163	187		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3348.0	1716.3	-365.6	93.5	101478.0	-53974.9
43.	-3348.0	1716.3	-365.6	93.5	117014.9	18967.1
85.	-3348.0	1716.3	-365.6	93.5	132551.8	91909.0
128.	-3348.0	1716.3	-365.6	93.5	148088.7	164851.0
170.	-3348.0	1716.3	-365.6	93.5	163625.6	237792.9
213.	-3348.0	1716.3	-365.6	93.5	179162.5	310734.9
255.	-3348.0	1716.3	-365.6	93.5	194699.4	383676.8
298.	-3348.0	1716.3	-365.6	93.5	210236.4	456618.7
340.	-3348.0	1716.3	-365.6	93.5	225773.3	529560.7
Asta	356	nodì	167	196		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-5455.0	3727.8	-913.5	911.1	-370558.5	-504719.3
43.	-5455.0	3727.8	-913.5	911.1	-331735.3	-346286.8
85.	-5455.0	3727.8	-913.5	911.1	-292912.1	-187854.2
128.	-5455.0	3727.8	-913.5	911.1	-254088.9	-29421.6
170.	-5455.0	3727.8	-913.5	911.1	-215265.7	129010.9
213.	-5455.0	3727.8	-913.5	911.1	-176442.5	287443.5
255.	-5455.0	3727.8	-913.5	911.1	-137619.3	445876.1
298.	-5455.0	3727.8	-913.5	911.1	-98796.1	604308.6
340.	-5455.0	3727.8	-913.5	911.1	-59972.9	762741.2
Asta	357	nodì	157	201		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-10171.0	3722.1	30214.6	54478.1	3727754.9	-559838.5
10.	-10171.0	3722.1	30214.6	54478.1	3425609.0	-522617.9
20.	-10171.0	3722.1	30214.6	54478.1	3123463.1	-485397.3
30.	-10171.0	3722.1	30214.6	54478.1	2821317.1	-448176.7
40.	-10171.0	3722.1	30214.6	54478.1	2519171.2	-410956.1
50.	-10171.0	3722.1	30214.6	54478.1	2217025.3	-373735.5
60.	-10171.0	3722.1	30214.6	54478.1	1914879.4	-336514.9
70.	-10171.0	3722.1	30214.6	54478.1	1612733.4	-299294.3
80.	-10171.0	3722.1	30214.6	54478.1	1310587.5	-262073.7
Asta	358	nodì	166	190		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-4219.4	287.8	-1799.8	619.2	-185005.9	182068.2
43.	-4219.4	287.8	-1799.8	619.2	-108513.3	194297.8
85.	-4219.4	287.8	-1799.8	619.2	-32020.7	206527.5
128.	-4219.4	287.8	-1799.8	619.2	44471.9	218757.1
170.	-4219.4	287.8	-1799.8	619.2	120964.5	230986.7
213.	-4219.4	287.8	-1799.8	619.2	197457.1	243216.3
255.	-4219.4	287.8	-1799.8	619.2	273949.7	255445.9
298.	-4219.4	287.8	-1799.8	619.2	350442.3	267675.5
340.	-4219.4	287.8	-1799.8	619.2	426934.9	279905.1
Asta	359	nodì	156	202		

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PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-224.5	31869.0	-8625.3	14715.1	-1107218.6	-3440914.0
10.	-224.5	31869.0	-8625.3	14715.1	-1020965.8	-3122223.6
20.	-224.5	31869.0	-8625.3	14715.1	-934712.9	-2803533.2
30.	-224.5	31869.0	-8625.3	14715.1	-848460.1	-2484842.7
40.	-224.5	31869.0	-8625.3	14715.1	-762207.3	-2166152.3
50.	-224.5	31869.0	-8625.3	14715.1	-675954.5	-1847461.9
60.	-224.5	31869.0	-8625.3	14715.1	-589701.7	-1528771.4
70.	-224.5	31869.0	-8625.3	14715.1	-503448.8	-1210081.0
80.	-224.5	31869.0	-8625.3	14715.1	-417196.0	-891390.6

Asta	360	nod	154	204		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-31515.3	25370.0	8706.0	1702.8	797069.8	-2503319.6
10.	-31515.3	25370.0	8706.0	1702.8	710009.4	-2249619.9
20.	-31515.3	25370.0	8706.0	1702.8	622949.0	-1995920.2
30.	-31515.3	25370.0	8706.0	1702.8	535888.6	-1742220.5
40.	-31515.3	25370.0	8706.0	1702.8	448828.2	-1488520.8
50.	-31515.3	25370.0	8706.0	1702.8	361767.7	-1234821.1
60.	-31515.3	25370.0	8706.0	1702.8	274707.3	-981121.5
70.	-31515.3	25370.0	8706.0	1702.8	187646.9	-727421.8
80.	-31515.3	25370.0	8706.0	1702.8	100586.5	-473722.1

Asta	361	nod	164	188		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-12711.9	1957.4	202.1	426.7	-45196.1	-99328.3
43.	-12711.9	1957.4	202.1	426.7	-53785.8	-16140.5
85.	-12711.9	1957.4	202.1	426.7	-62375.5	67047.2
128.	-12711.9	1957.4	202.1	426.7	-70965.2	150234.9
170.	-12711.9	1957.4	202.1	426.7	-79554.9	233422.7
213.	-12711.9	1957.4	202.1	426.7	-88144.6	316610.4
255.	-12711.9	1957.4	202.1	426.7	-96734.3	399798.1
298.	-12711.9	1957.4	202.1	426.7	-105324.0	482985.9
340.	-12711.9	1957.4	202.1	426.7	-113913.7	566173.6

Asta	362	nod	155	203		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-29249.5	32924.2	-26930.0	-2277.6	-3028058.1	-3288060.8
10.	-29249.5	32924.2	-26930.0	-2277.6	-2758758.0	-2958818.6
20.	-29249.5	32924.2	-26930.0	-2277.6	-2489457.9	-2629576.4
30.	-29249.5	32924.2	-26930.0	-2277.6	-2220157.8	-2300334.2
40.	-29249.5	32924.2	-26930.0	-2277.6	-1950857.7	-1971092.0
50.	-29249.5	32924.2	-26930.0	-2277.6	-1681557.6	-1641849.8
60.	-29249.5	32924.2	-26930.0	-2277.6	-1412257.5	-1312607.6
70.	-29249.5	32924.2	-26930.0	-2277.6	-1142957.4	-983365.4
80.	-29249.5	32924.2	-26930.0	-2277.6	-873657.3	-654123.2

Asta	363	nod	165	189		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-11413.5	1533.4	964.7	267.8	159153.1	-19233.8
43.	-11413.5	1533.4	964.7	267.8	118153.9	45935.5
85.	-11413.5	1533.4	964.7	267.8	77154.8	111104.9
128.	-11413.5	1533.4	964.7	267.8	36155.7	176274.2
170.	-11413.5	1533.4	964.7	267.8	-4843.4	241443.6
213.	-11413.5	1533.4	964.7	267.8	-45842.5	306613.0
255.	-11413.5	1533.4	964.7	267.8	-86841.6	371782.3
298.	-11413.5	1533.4	964.7	267.8	-127840.7	436951.7
340.	-11413.5	1533.4	964.7	267.8	-168839.8	502121.0

Asta	364	nod	114	153		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	-30428.2	1919.3	993729.6	22535.4	-1292278.8
9.	0.0	-29949.5	1919.3	993392.5	5571.4	-1559110.9
18.	0.0	-29473.8	1919.2	993074.6	-11392.6	-1821725.0
27.	0.0	-29000.9	1919.2	992775.8	-28356.4	-2080147.0
35.	0.0	-28530.9	1919.3	992496.2	-45320.3	-2334402.1
44.	0.0	-28063.1	1919.3	992235.6	-62284.4	-2584513.0
53.	0.0	-27597.2	1919.3	991994.3	-79248.9	-2830498.2
62.	0.0	-27132.3	1919.4	991772.0	-96213.8	-3072370.4
71.	0.0	-26667.6	1919.4	991568.9	-113179.0	-3310135.0

Asta	365	nod	116	154		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-664.7	-26502.0	205.9	-556405.3	7087.6	12875.5
6.	-664.7	-26048.4	205.9	-556388.2	5800.7	-151344.9
13.	-664.7	-25594.4	205.8	-556376.5	4514.3	-312728.7
19.	-664.7	-25140.0	205.8	-556370.2	3228.2	-471273.8
25.	-664.7	-24685.4	205.7	-556369.2	1942.4	-626978.4
31.	-664.7	-24230.6	205.7	-556373.6	656.8	-779840.9
38.	-664.7	-23775.4	205.7	-556383.3	-628.6	-929859.6
44.	-664.7	-23319.7	205.7	-556398.4	-1914.0	-1077032.0
50.	-664.7	-22863.3	205.6	-556418.9	-3199.3	-1221354.3

Asta	366	nod	142	155		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-755.7	-35341.2	61.8	1879959.3	-2486.0	35090.8
6.	-755.7	-34892.3	61.8	1879904.6	-2872.5	-184388.8
13.	-755.7	-34443.2	61.9	1879868.0	-3259.0	-401062.2
19.	-755.7	-33994.3	61.9	1879849.6	-3645.7	-614929.3
25.	-755.7	-33545.5	61.9	1879849.3	-4032.4	-825990.8
31.	-755.7	-33096.8	61.9	1879867.1	-4419.3	-1034247.9
38.	-755.7	-32648.2	61.9	1879903.0	-4806.1	-1239701.1
44.	-755.7	-32199.4	61.9	1879957.1	-5193.0	-1442350.2
50.	-755.7	-31750.2	61.9	1880029.3	-5580.0	-1642193.2

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Asta	367	nod	118	156		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	-33364.7	-2545.9	-2303830.5	-20846.5	-2835952.9
9.	0.0	-32911.6	-2545.9	-2303345.7	1656.0	-3128851.7
18.	0.0	-32463.7	-2545.8	-2302905.2	24158.3	-3417768.4
27.	0.0	-32020.7	-2545.8	-2302509.1	46660.5	-3702748.1
35.	0.0	-31582.2	-2545.9	-2302157.4	69162.8	-3983832.5
44.	0.0	-31147.4	-2545.9	-2301850.1	91665.4	-4261058.1
53.	0.0	-30715.5	-2546.0	-2301587.2	114168.6	-4534454.4
62.	0.0	-30285.4	-2546.0	-2301368.7	136672.3	-4804042.0
71.	0.0	-29855.7	-2546.1	-2301194.5	159176.5	-5069830.6

Asta	368	nod	119	157		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1220.0	-22653.6	3860.5	1661235.0	-109304.0	126788.9
6.	-1220.0	-22184.9	3862.5	1661131.7	-133438.4	-13328.7
13.	-1220.0	-21721.5	3864.7	1661044.5	-157585.9	-150533.1
19.	-1220.0	-21263.6	3867.3	1660973.3	-181748.3	-284858.5
25.	-1220.0	-20811.3	3870.1	1660918.1	-205927.3	-416339.7
31.	-1220.0	-20364.6	3873.2	1660878.9	-230124.9	-545011.4
38.	-1220.0	-19923.4	3876.6	1660855.7	-254342.8	-670908.4
44.	-1220.0	-19487.6	3880.2	1660848.5	-278582.8	-794064.8
50.	-1220.0	-19057.0	3884.1	1660857.3	-302846.4	-914513.8

Asta	369	nod	158	131		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	23709.4	6277.4	518315.1	214181.3	-3304548.6
9.	0.0	24158.5	6277.3	518118.8	158697.0	-3093003.2
18.	0.0	24611.6	6277.2	517932.5	103213.4	-2877471.1
27.	0.0	25069.7	6277.1	517756.2	47730.6	-2657912.6
35.	0.0	25533.4	6277.1	517589.8	-7751.6	-2434281.2
44.	0.0	26003.3	6277.1	517433.5	-63234.0	-2206524.1
53.	0.0	26479.8	6277.2	517287.1	-118716.8	-1974584.4
62.	0.0	26963.2	6277.3	517150.7	-174200.6	-1738402.6
71.	0.0	27453.5	6277.4	517024.3	-229685.1	-1497917.4

Asta	370	nod	162	133		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2011.0	22215.7	285.0	582754.4	-550.9	-3929023.5
9.	-2011.0	22602.7	285.0	583102.5	-3070.2	-3730956.8
18.	-2011.0	22996.3	285.0	583461.8	-5589.5	-3529441.2
27.	-2011.0	23397.5	285.0	583832.5	-8108.3	-3324413.5
35.	-2011.0	23807.3	284.9	584214.3	-10626.7	-3115802.2
44.	-2011.0	24226.3	284.8	584607.5	-13144.4	-2903528.7
53.	-2011.0	24655.0	284.7	585011.9	-15661.3	-2687509.0
62.	-2011.0	25093.9	284.6	585427.6	-18177.3	-2467655.2
71.	-2011.0	25543.2	284.4	585854.5	-20692.1	-2243876.2

Asta	371	nod	161	134		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1820.6	21643.7	-230.2	-556726.4	-40.9	-3687002.6
9.	-1820.6	22026.1	-230.2	-557070.9	1994.1	-3494012.0
18.	-1820.6	22414.7	-230.2	-557426.1	4028.9	-3297614.8
27.	-1820.6	22810.5	-230.1	-557792.0	6063.4	-3097751.6
35.	-1820.6	23214.4	-230.1	-558168.7	8097.3	-2894354.7
44.	-1820.6	23626.9	-230.0	-558556.2	10130.5	-2687350.2
53.	-1820.6	24048.6	-229.9	-558954.5	12162.9	-2476659.0
62.	-1820.6	24479.9	-229.8	-559363.5	14194.3	-2262198.2
71.	-1820.6	24920.9	-229.6	-559783.2	16224.4	-2043882.5

Asta	372	nod	160	136		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	21903.5	-5802.2	-1017761.4	-162264.7	-2740903.2
9.	0.0	22308.7	-5802.2	-1017627.9	-110979.9	-2545513.3
18.	0.0	22717.6	-5802.1	-1017514.1	-59695.7	-2346525.9
27.	0.0	23131.0	-5802.0	-1017419.9	-8412.2	-2143905.3
35.	0.0	23549.4	-5802.0	-1017345.3	42871.1	-1937609.3
44.	0.0	23973.3	-5802.1	-1017290.4	94154.5	-1727591.1
53.	0.0	24403.0	-5802.2	-1017255.0	145438.7	-1513800.4
62.	0.0	24838.8	-5802.3	-1017239.3	196723.8	-1296184.8
71.	0.0	25280.5	-5802.3	-1017243.2	248009.6	-1074691.4

Asta	373	nod	159	147		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2395.8	13687.9	-2093.5	-982184.8	-264496.8	-657571.1
6.	-2395.8	14067.7	-2090.9	-982119.2	-251420.6	-570836.9
13.	-2395.8	14451.5	-2088.5	-982063.2	-238360.2	-481716.5
19.	-2395.8	14839.5	-2086.3	-982016.5	-225314.2	-390184.2
25.	-2395.8	15231.8	-2084.3	-981979.4	-212281.3	-296213.4
31.	-2395.8	15628.4	-2082.6	-981951.7	-199260.1	-199777.4
38.	-2395.8	16029.3	-2081.1	-981933.5	-186248.9	-100849.2
44.	-2395.8	16434.5	-2079.8	-981924.7	-173246.4	598.1
50.	-2395.8	16843.9	-2078.8	-981925.4	-160251.0	104591.0

Asta	394	nod	197	170		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-176.3	86.2	-2742.7	3825.9	-756476.8	-61220.3
43.	-176.3	86.2	-2742.7	3825.9	-639911.9	-57555.8
85.	-176.3	86.2	-2742.7	3825.9	-523347.1	-53891.4
128.	-176.3	86.2	-2742.7	3825.9	-406782.2	-50226.9
170.	-176.3	86.2	-2742.7	3825.9	-290217.3	-46562.5
213.	-176.3	86.2	-2742.7	3825.9	-173652.4	-42898.1
255.	-176.3	86.2	-2742.7	3825.9	-57087.6	-39233.6

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298.	-176.3	86.2	-2742.7	3825.9	59477.3	-35569.2
340.	-176.3	86.2	-2742.7	3825.9	176042.2	-31904.7
Asta	395	nodì	198	171		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2907.4	3574.2	-9717.0	630.5	-3027716.7	-978973.8
43.	-2907.4	3574.2	-9717.0	630.5	-2614743.2	-827069.4
85.	-2907.4	3574.2	-9717.0	630.5	-2201769.8	-675165.0
128.	-2907.4	3574.2	-9717.0	630.5	-1788796.4	-523260.5
170.	-2907.4	3574.2	-9717.0	630.5	-1375822.9	-371356.1
213.	-2907.4	3574.2	-9717.0	630.5	-962849.5	-219451.7
255.	-2907.4	3574.2	-9717.0	630.5	-549876.1	-67547.2
298.	-2907.4	3574.2	-9717.0	630.5	-136902.6	84357.2
340.	-2907.4	3574.2	-9717.0	630.5	276070.8	236261.6
Asta	396	nodì	199	172		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2952.2	10450.3	-3711.8	-1084.6	-963365.0	-3270608.9
43.	-2952.2	10450.3	-3711.8	-1084.6	-805612.6	-2826472.3
85.	-2952.2	10450.3	-3711.8	-1084.6	-647860.1	-2382335.7
128.	-2952.2	10450.3	-3711.8	-1084.6	-490107.7	-1938199.0
170.	-2952.2	10450.3	-3711.8	-1084.6	-332355.3	-1494062.4
213.	-2952.2	10450.3	-3711.8	-1084.6	-174602.8	-1049925.8
255.	-2952.2	10450.3	-3711.8	-1084.6	-16850.4	-605789.1
298.	-2952.2	10450.3	-3711.8	-1084.6	140902.0	-161652.5
340.	-2952.2	10450.3	-3711.8	-1084.6	298654.5	282484.1
Asta	397	nodì	200	168		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1460.4	2633.3	-1399.4	-5178.5	-621635.5	-724644.6
43.	-1460.4	2633.3	-1399.4	-5178.5	-562161.4	-612727.2
85.	-1460.4	2633.3	-1399.4	-5178.5	-502687.4	-500809.8
128.	-1460.4	2633.3	-1399.4	-5178.5	-443213.3	-388892.5
170.	-1460.4	2633.3	-1399.4	-5178.5	-383739.3	-276975.1
213.	-1460.4	2633.3	-1399.4	-5178.5	-324265.3	-165057.7
255.	-1460.4	2633.3	-1399.4	-5178.5	-264791.2	-53140.3
298.	-1460.4	2633.3	-1399.4	-5178.5	-205317.2	58777.0
340.	-1460.4	2633.3	-1399.4	-5178.5	-145843.1	170694.4
Asta	398	nodì	205	163		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-488.1	2536.4	-3195.5	-2012.4	-753506.9	-611726.9
43.	-488.1	2536.4	-3195.5	-2012.4	-617696.5	-503928.8
85.	-488.1	2536.4	-3195.5	-2012.4	-481886.1	-396130.7
128.	-488.1	2536.4	-3195.5	-2012.4	-346075.7	-288332.6
170.	-488.1	2536.4	-3195.5	-2012.4	-210265.3	-180534.5
213.	-488.1	2536.4	-3195.5	-2012.4	-74454.9	-72736.4
255.	-488.1	2536.4	-3195.5	-2012.4	61355.4	35061.7
298.	-488.1	2536.4	-3195.5	-2012.4	197165.8	142859.8
340.	-488.1	2536.4	-3195.5	-2012.4	332976.2	250657.9
Asta	399	nodì	204	164		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-24900.8	3324.3	571.0	308.5	111742.8	-717264.2
43.	-24900.8	3324.3	571.0	308.5	87474.6	-575980.0
85.	-24900.8	3324.3	571.0	308.5	63206.3	-434695.8
128.	-24900.8	3324.3	571.0	308.5	38938.0	-293411.6
170.	-24900.8	3324.3	571.0	308.5	14669.8	-152127.4
213.	-24900.8	3324.3	571.0	308.5	-9598.5	-10843.2
255.	-24900.8	3324.3	571.0	308.5	-33866.8	130441.1
298.	-24900.8	3324.3	571.0	308.5	-58135.0	271725.3
340.	-24900.8	3324.3	571.0	308.5	-82403.3	413009.5
Asta	400	nodì	203	165		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-22491.6	3935.3	-2165.1	-469.0	-729235.8	-899059.6
43.	-22491.6	3935.3	-2165.1	-469.0	-637221.1	-731810.1
85.	-22491.6	3935.3	-2165.1	-469.0	-545206.4	-564560.6
128.	-22491.6	3935.3	-2165.1	-469.0	-453191.6	-397311.1
170.	-22491.6	3935.3	-2165.1	-469.0	-361176.9	-230061.6
213.	-22491.6	3935.3	-2165.1	-469.0	-269162.2	-62812.1
255.	-22491.6	3935.3	-2165.1	-469.0	-177147.5	104437.4
298.	-22491.6	3935.3	-2165.1	-469.0	-85132.8	271686.9
340.	-22491.6	3935.3	-2165.1	-469.0	6881.9	438936.4
Asta	401	nodì	202	166		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3240.4	4492.8	-1582.7	2226.5	-505888.7	-1017842.0
43.	-3240.4	4492.8	-1582.7	2226.5	-438625.2	-826898.0
85.	-3240.4	4492.8	-1582.7	2226.5	-371361.7	-635954.0
128.	-3240.4	4492.8	-1582.7	2226.5	-304098.2	-445010.0
170.	-3240.4	4492.8	-1582.7	2226.5	-236834.7	-254066.1
213.	-3240.4	4492.8	-1582.7	2226.5	-169571.2	-63122.1
255.	-3240.4	4492.8	-1582.7	2226.5	-102307.7	127821.9
298.	-3240.4	4492.8	-1582.7	2226.5	-35044.2	318765.9
340.	-3240.4	4492.8	-1582.7	2226.5	32219.2	509709.9
Asta	402	nodì	206	169		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-31783.2	-3295.9	3007.9	-5831.1	801642.9	533837.7
43.	-31783.2	-3295.9	3007.9	-5831.1	673808.9	393764.1
85.	-31783.2	-3295.9	3007.9	-5831.1	545974.9	253690.4
128.	-31783.2	-3295.9	3007.9	-5831.1	418140.9	113616.8
170.	-31783.2	-3295.9	3007.9	-5831.1	290307.0	-26456.9

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213.	-31783.2	-3295.9	3007.9	-5831.1	162473.0	-166530.5
255.	-31783.2	-3295.9	3007.9	-5831.1	34639.0	-306604.2
298.	-31783.2	-3295.9	3007.9	-5831.1	-93195.0	-446677.8
340.	-31783.2	-3295.9	3007.9	-5831.1	-221029.0	-586751.5
Asta	403	nodì	201	167		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-14309.7	2980.9	4075.6	6417.4	1141901.4	-594988.5
43.	-14309.7	2980.9	4075.6	6417.4	968688.3	-468300.5
85.	-14309.7	2980.9	4075.6	6417.4	795475.1	-341612.4
128.	-14309.7	2980.9	4075.6	6417.4	622261.9	-214924.3
170.	-14309.7	2980.9	4075.6	6417.4	449048.8	-88236.3
213.	-14309.7	2980.9	4075.6	6417.4	275835.6	38451.8
255.	-14309.7	2980.9	4075.6	6417.4	102622.5	165139.8
298.	-14309.7	2980.9	4075.6	6417.4	-70590.7	291827.9
340.	-14309.7	2980.9	4075.6	6417.4	-243803.8	418515.9
Asta	404	nodì	1	205		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-45.7	5968.1	150.3	47084.6	836.2	-495464.3
9.	-45.7	5968.1	150.3	47084.6	-492.0	-442713.0
18.	-45.7	5968.1	150.3	47084.6	-1820.2	-389961.7
27.	-45.7	5968.1	150.3	47084.6	-3148.5	-337210.4
35.	-45.7	5968.1	150.3	47084.6	-4476.7	-284459.1
44.	-45.7	5968.1	150.3	47084.6	-5804.9	-231707.9
53.	-45.7	5968.1	150.3	47084.6	-7133.2	-178956.6
62.	-45.7	5968.1	150.3	47084.6	-8461.4	-126205.3
71.	-45.7	5968.1	150.3	47084.6	-9789.6	-73454.0
Asta	405	nodì	5	204		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-52.9	-6614.6	-34.7	11156.3	-341.7	87186.3
6.	-52.9	-6614.6	-34.7	11156.3	-124.7	45845.2
13.	-52.9	-6614.6	-34.7	11156.3	92.3	4504.1
19.	-52.9	-6614.6	-34.7	11156.3	309.3	-36836.9
25.	-52.9	-6614.6	-34.7	11156.3	526.3	-78178.0
31.	-52.9	-6614.6	-34.7	11156.3	743.3	-119519.0
38.	-52.9	-6614.6	-34.7	11156.3	960.3	-160860.1
44.	-52.9	-6614.6	-34.7	11156.3	1177.3	-202201.1
50.	-52.9	-6614.6	-34.7	11156.3	1394.4	-243542.2
Asta	406	nodì	57	203		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-72.4	-6757.9	46.4	144421.5	510.8	92957.9
6.	-72.4	-6757.9	46.4	144421.5	220.9	50721.1
13.	-72.4	-6757.9	46.4	144421.5	-69.0	8484.3
19.	-72.4	-6757.9	46.4	144421.5	-359.0	-33752.5
25.	-72.4	-6757.9	46.4	144421.5	-648.9	-75989.3
31.	-72.4	-6757.9	46.4	144421.5	-938.8	-118226.1
38.	-72.4	-6757.9	46.4	144421.5	-1228.8	-160462.9
44.	-72.4	-6757.9	46.4	144421.5	-1518.7	-202699.7
50.	-72.4	-6757.9	46.4	144421.5	-1808.7	-244936.5
Asta	407	nodì	9	202		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-43.3	3015.9	-199.0	26699.5	-1581.5	-365386.3
9.	-43.3	3015.9	-199.0	26699.5	177.2	-338729.3
18.	-43.3	3015.9	-199.0	26699.5	1936.0	-312072.2
27.	-43.3	3015.9	-199.0	26699.5	3694.8	-285415.2
35.	-43.3	3015.9	-199.0	26699.5	5453.6	-258758.1
44.	-43.3	3015.9	-199.0	26699.5	7212.3	-232101.0
53.	-43.3	3015.9	-199.0	26699.5	8971.1	-205444.0
62.	-43.3	3015.9	-199.0	26699.5	10729.9	-178786.9
71.	-43.3	3015.9	-199.0	26699.5	12488.7	-152129.9
Asta	408	nodì	11	201		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	8.7	4138.8	-1077.2	-168686.1	-5799.2	-539852.4
6.	8.7	4138.8	-1077.2	-168686.1	933.3	-513985.2
13.	8.7	4138.8	-1077.2	-168686.1	7665.8	-488118.0
19.	8.7	4138.8	-1077.2	-168686.1	14398.3	-462250.8
25.	8.7	4138.8	-1077.2	-168686.1	21130.7	-436383.6
31.	8.7	4138.8	-1077.2	-168686.1	27863.2	-410516.4
38.	8.7	4138.8	-1077.2	-168686.1	34595.7	-384649.2
44.	8.7	4138.8	-1077.2	-168686.1	41328.2	-358782.0
50.	8.7	4138.8	-1077.2	-168686.1	48060.7	-332914.8
Asta	409	nodì	200	35		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.0	-2850.9	269.6	137365.5	17982.5	-102595.2
9.	-1.0	-2850.9	269.6	137365.5	15599.9	-127794.2
18.	-1.0	-2850.9	269.6	137365.5	13217.3	-152993.2
27.	-1.0	-2850.9	269.6	137365.5	10834.7	-178192.2
35.	-1.0	-2850.9	269.6	137365.5	8452.1	-203391.2
44.	-1.0	-2850.9	269.6	137365.5	6069.5	-228590.2
53.	-1.0	-2850.9	269.6	137365.5	3686.9	-253789.2
62.	-1.0	-2850.9	269.6	137365.5	1304.3	-278988.2
71.	-1.0	-2850.9	269.6	137365.5	-1078.3	-304187.2
Asta	410	nodì	199	39		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-97.8	-2608.8	46.4	-128251.3	2733.2	-167381.2
9.	-97.8	-2608.8	46.4	-128251.3	2323.5	-190440.2
18.	-97.8	-2608.8	46.4	-128251.3	1913.8	-213499.3

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Relazione Tecnica e di Calcolo - Tabulati struttura in progetto

27.	-97.8	-2608.8	46.4	-128251.3	1504.1	-236558.3
35.	-97.8	-2608.8	46.4	-128251.3	1094.4	-259617.3
44.	-97.8	-2608.8	46.4	-128251.3	684.7	-282676.3
53.	-97.8	-2608.8	46.4	-128251.3	275.0	-305735.3
62.	-97.8	-2608.8	46.4	-128251.3	-134.7	-328794.4
71.	-97.8	-2608.8	46.4	-128251.3	-544.4	-351853.4
Asta	411	nodì	198	41		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-102.6	-2654.4	-38.3	128781.5	-2143.1	-157838.6
9.	-102.6	-2654.4	-38.3	128781.5	-1804.5	-181300.5
18.	-102.6	-2654.4	-38.3	128781.5	-1465.8	-204762.3
27.	-102.6	-2654.4	-38.3	128781.5	-1127.2	-228224.2
35.	-102.6	-2654.4	-38.3	128781.5	-788.6	-251686.1
44.	-102.6	-2654.4	-38.3	128781.5	-450.0	-275148.0
53.	-102.6	-2654.4	-38.3	128781.5	-111.4	-298609.9
62.	-102.6	-2654.4	-38.3	128781.5	227.2	-322071.8
71.	-102.6	-2654.4	-38.3	128781.5	565.8	-345533.6
Asta	412	nodì	197	45		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	9.1	-2454.6	-220.3	-127770.2	-13706.1	-94992.7
9.	9.1	-2454.6	-220.3	-127770.2	-11758.7	-116688.2
18.	9.1	-2454.6	-220.3	-127770.2	-9811.2	-138383.6
27.	9.1	-2454.6	-220.3	-127770.2	-7863.8	-160079.1
35.	9.1	-2454.6	-220.3	-127770.2	-5916.4	-181774.5
44.	9.1	-2454.6	-220.3	-127770.2	-3968.9	-203470.0
53.	9.1	-2454.6	-220.3	-127770.2	-2021.5	-225165.4
62.	9.1	-2454.6	-220.3	-127770.2	-74.1	-246860.9
71.	9.1	-2454.6	-220.3	-127770.2	1873.4	-268556.3
Asta	413	nodì	206	105		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	10.8	-16818.4	937.0	192401.1	41437.6	-146174.6
6.	10.8	-16818.4	937.0	192401.1	35581.5	-251289.3
13.	10.8	-16818.4	937.0	192401.1	29725.3	-356404.0
19.	10.8	-16818.4	937.0	192401.1	23869.2	-461518.7
25.	10.8	-16818.4	937.0	192401.1	18013.1	-566633.4
31.	10.8	-16818.4	937.0	192401.1	12156.9	-671748.1
38.	10.8	-16818.4	937.0	192401.1	6300.8	-776862.7
44.	10.8	-16818.4	937.0	192401.1	444.6	-881977.4
50.	10.8	-16818.4	937.0	192401.1	-5411.5	-987092.1

SOLLECITAZIONI ASTE

CASO DI CARICO : 2 SLU VENTOX

COMBINAZIONE

N. 11 CONDIZIONI ANALISI STATICA

1	Peso_proprio	+	1.30
2	Pp_solai	+	1.30
3	Perm_tetto	+	1.50
4	Muri_perimetrali	+	1.50
5	Muri_interni	+	1.50
6	Sottofondi	+	1.50
7	Cl_Var_scuola	+	1.50
8	Neve	+	1.50
9	Pp_scala	+	1.30
10	Var_scala	+	1.50
11	Vento_X	+-	1.50

1)	+1.30*c001	+1.30*c002	+1.50*c003	+1.50*c004	+1.50*c005
)	+1.50*c006	+1.50*c007	+1.50*c008	+1.30*c009	+1.50*c010
)	+1.50*c011				
2)	+1.30*c001	+1.30*c002	+1.50*c003	+1.50*c004	+1.50*c005
)	+1.50*c006	+1.50*c007	+1.50*c008	+1.30*c009	+1.50*c010
)	-1.50*c011				

Unità di misura: Prog e frecce [cm]; NORM, TYT, TZZ [daN]

MZZ, MYT, TORS [daNcm]

Asta	1	nodì	1	2		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-26469.4	-447.8	358.5	-13.1	50893.3	63261.4
	-25855.4	-466.3	362.7	52.8	51151.9	66990.8
43.	-26300.2	-447.8	358.5	-13.1	35655.8	44230.5
	-25686.2	-466.3	362.7	52.8	35738.8	47171.9
85.	-26131.0	-447.8	358.5	-13.1	20418.2	25199.6
	-25517.0	-466.3	362.7	52.8	20325.7	27353.1
128.	-25961.8	-447.8	358.5	-13.1	5180.6	6168.7
	-25347.8	-466.3	362.7	52.8	4912.5	7534.2
170.	-25792.6	-447.8	358.5	-13.1	-10057.0	-12862.2
	-25178.6	-466.3	362.7	52.8	-10500.6	-12284.7
213.	-25623.4	-447.8	358.5	-13.1	-25294.6	-31893.1
	-25009.4	-466.3	362.7	52.8	-25913.8	-32103.6
255.	-25454.2	-447.8	358.5	-13.1	-40532.2	-50924.0
	-24840.1	-466.3	362.7	52.8	-41326.9	-51922.4
298.	-25285.0	-447.8	358.5	-13.1	-55769.8	-69954.9
	-24670.9	-466.3	362.7	52.8	-56740.1	-71741.3
340.	-25115.7	-447.8	358.5	-13.1	-71007.4	-88985.8

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	-24501.7	-466.3	362.7	52.8	-72153.2	-91560.2
Asta	2	odi	3	4		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-37526.6	48.1	74.0	-32.3	7540.4	-5412.9
	-37555.9	6.2	74.6	29.9	7539.0	1154.8
43.	-37357.4	48.1	74.0	-32.3	4396.1	-3368.0
	-37386.7	6.2	74.6	29.9	4370.2	1417.8
85.	-37188.2	48.1	74.0	-32.3	1251.8	-1323.0
	-37217.5	6.2	74.6	29.9	1201.3	1680.8
128.	-37019.0	48.1	74.0	-32.3	-1892.5	721.9
	-37048.3	6.2	74.6	29.9	-1967.6	1943.9
170.	-36849.8	48.1	74.0	-32.3	-5036.8	2766.9
	-36879.1	6.2	74.6	29.9	-5136.4	2206.9
213.	-36680.6	48.1	74.0	-32.3	-8181.0	4811.8
	-36709.9	6.2	74.6	29.9	-8305.3	2469.9
255.	-36511.4	48.1	74.0	-32.3	-11325.3	6856.8
	-36540.7	6.2	74.6	29.9	-11474.2	2732.9
298.	-36342.2	48.1	74.0	-32.3	-14469.6	8901.7
	-36371.5	6.2	74.6	29.9	-14643.0	2996.0
340.	-36173.0	48.1	74.0	-32.3	-17613.9	10946.7
	-36202.2	6.2	74.6	29.9	-17811.9	3259.0
Asta	3	odi	5	6		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-16684.2	-6.7	164.4	-24.1	18843.5	-194.8
	-16702.7	-27.1	164.3	27.3	18810.4	4341.7
43.	-16515.0	-6.7	164.4	-24.1	11855.8	-479.4
	-16533.5	-27.1	164.3	27.3	11828.8	3188.6
85.	-16345.8	-6.7	164.4	-24.1	4868.2	-764.1
	-16364.3	-27.1	164.3	27.3	4847.1	2035.6
128.	-16176.6	-6.7	164.4	-24.1	-2119.4	-1048.7
	-16195.1	-27.1	164.3	27.3	-2134.6	882.6
170.	-16007.4	-6.7	164.4	-24.1	-9107.0	-1333.3
	-16025.9	-27.1	164.3	27.3	-9116.3	-270.5
213.	-15838.2	-6.7	164.4	-24.1	-16094.7	-1618.0
	-15856.7	-27.1	164.3	27.3	-16098.0	-1423.5
255.	-15669.0	-6.7	164.4	-24.1	-23082.3	-1902.6
	-15687.5	-27.1	164.3	27.3	-23079.6	-2576.5
298.	-15499.8	-6.7	164.4	-24.1	-30069.9	-2187.2
	-15518.3	-27.1	164.3	27.3	-30061.3	-3729.6
340.	-15330.6	-6.7	164.4	-24.1	-37057.5	-2471.9
	-15349.1	-27.1	164.3	27.3	-37043.0	-4882.6
Asta	4	odi	7	8		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-35134.6	338.3	48.5	-79.0	4204.2	-49559.4
	-35189.7	293.3	48.6	-10.6	4222.7	-42552.5
43.	-34965.4	338.3	48.5	-79.0	2142.8	-35181.9
	-35020.5	293.3	48.6	-10.6	2159.3	-30087.8
85.	-34796.2	338.3	48.5	-79.0	81.3	-20804.5
	-34851.3	293.3	48.6	-10.6	95.9	-17623.1
128.	-34627.0	338.3	48.5	-79.0	-1980.1	-6427.1
	-34682.1	293.3	48.6	-10.6	-1967.5	-5158.4
170.	-34457.8	338.3	48.5	-79.0	-4041.5	7950.3
	-34512.9	293.3	48.6	-10.6	-4030.9	7306.3
213.	-34288.6	338.3	48.5	-79.0	-6103.0	22327.7
	-34343.7	293.3	48.6	-10.6	-6094.3	19771.1
255.	-34119.4	338.3	48.5	-79.0	-8164.4	36705.2
	-34174.5	293.3	48.6	-10.6	-8157.7	32235.8
298.	-33950.2	338.3	48.5	-79.0	-10225.9	51082.6
	-34005.3	293.3	48.6	-10.6	-10221.0	44700.5
340.	-33781.0	338.3	48.5	-79.0	-12287.3	65460.0
	-33836.1	293.3	48.6	-10.6	-12284.4	57165.2
Asta	5	odi	9	10		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-18868.5	510.4	396.4	-967.9	57375.4	-52394.5
	-19385.3	140.9	392.0	849.5	57041.9	-43614.7
43.	-18699.2	466.3	396.4	-967.9	40530.4	-31638.6
	-19216.1	185.0	392.0	849.5	40384.0	-36689.6
85.	-18530.0	422.3	396.4	-967.9	23685.5	-12755.8
	-19046.9	229.1	392.0	849.5	23726.1	-27891.5
128.	-18360.8	378.2	396.4	-967.9	6840.5	4253.9
	-18877.7	273.1	392.0	849.5	7068.2	-17220.3
170.	-18191.6	334.1	396.4	-967.9	-10004.4	19390.6
	-18708.5	317.2	392.0	849.5	-9589.7	-4676.0
213.	-18022.4	290.0	396.4	-967.9	-26849.4	32654.2
	-18539.3	361.3	392.0	849.5	-26247.6	9741.4
255.	-17853.2	246.0	396.4	-967.9	-43694.3	44044.7
	-18370.1	405.3	392.0	849.5	-42905.5	26031.8
298.	-17684.0	201.9	396.4	-967.9	-60539.3	53562.1
	-18200.9	449.4	392.0	849.5	-59563.4	44195.4
340.	-17514.8	157.8	396.4	-967.9	-77384.2	61206.5
	-18031.7	493.5	392.0	849.5	-76221.3	64232.0
Asta	6	odi	11	12		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-22182.5	1084.1	-142.1	734.1	-21033.7	-116662.7
	-22706.1	361.9	-142.4	-274.4	-21077.7	-102079.3
43.	-22013.3	996.4	-142.1	734.1	-14992.6	-72451.9
	-22536.9	449.5	-142.4	-274.4	-15023.7	-84837.0
85.	-21844.1	908.7	-142.1	734.1	-8951.5	-31967.8
	-22367.7	537.2	-142.4	-274.4	-8969.8	-63868.2

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128.	-21674.9	821.0	-142.1	734.1	-2910.4	4789.7
	-22198.5	624.9	-142.4	-274.4	-2915.9	-39172.6
170.	-21505.7	733.4	-142.1	734.1	3130.6	37820.6
	-22029.3	712.6	-142.4	-274.4	3138.1	-10750.5
213.	-21336.5	645.7	-142.1	734.1	9171.7	67124.8
	-21860.1	800.3	-142.4	-274.4	9192.0	21398.3
255.	-21167.3	558.0	-142.1	734.1	15212.8	92702.4
	-21690.9	888.0	-142.4	-274.4	15245.9	57273.8
298.	-20998.1	470.3	-142.1	734.1	21253.9	114553.3
	-21521.7	975.7	-142.4	-274.4	21299.9	96875.8
340.	-20828.9	382.6	-142.1	734.1	27294.9	132677.6
	-21352.5	1063.3	-142.4	-274.4	27353.8	140204.6

Asta	7	nodì	13	14		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-31364.6	735.2	-39.1	-247.2	-5071.7	-116935.4
	-31450.3	684.4	-39.1	75.9	-5031.9	-108593.6
43.	-31195.4	735.2	-39.1	-247.2	-3408.3	-85687.7
	-31281.1	684.4	-39.1	75.9	-3369.5	-79506.6
85.	-31026.2	735.2	-39.1	-247.2	-1744.8	-54440.0
	-31111.9	684.4	-39.1	75.9	-1707.2	-50419.6
128.	-30857.0	735.2	-39.1	-247.2	-81.3	-23192.3
	-30942.7	684.4	-39.1	75.9	-44.8	-21332.6
170.	-30687.8	735.2	-39.1	-247.2	1582.2	8055.4
	-30773.5	684.4	-39.1	75.9	1617.6	7754.4
213.	-30518.6	735.2	-39.1	-247.2	3245.6	39303.1
	-30604.3	684.4	-39.1	75.9	3279.9	36841.4
255.	-30349.4	735.2	-39.1	-247.2	4909.1	70550.8
	-30435.1	684.4	-39.1	75.9	4942.3	65928.4
298.	-30180.2	735.2	-39.1	-247.2	6572.6	101798.5
	-30265.9	684.4	-39.1	75.9	6604.7	95015.4
340.	-30011.0	735.2	-39.1	-247.2	8236.1	133046.2
	-30096.7	684.4	-39.1	75.9	8267.0	124102.4

Asta	8	nodì	15	16		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-40620.4	320.2	-12.8	-14.7	-1840.1	-50622.8
	-40690.6	273.5	-12.8	-24.1	-1795.6	-42846.6
43.	-40451.2	320.2	-12.8	-14.7	-1294.9	-37012.8
	-40521.4	273.5	-12.8	-24.1	-1253.4	-31222.7
85.	-40282.0	320.2	-12.8	-14.7	-749.7	-23402.7
	-40352.2	273.5	-12.8	-24.1	-711.3	-19598.9
128.	-40112.8	320.2	-12.8	-14.7	-204.5	-9792.6
	-40183.0	273.5	-12.8	-24.1	-169.1	-7975.1
170.	-39943.6	320.2	-12.8	-14.7	340.7	3817.5
	-40013.8	273.5	-12.8	-24.1	373.0	3648.7
213.	-39774.3	320.2	-12.8	-14.7	885.9	17427.6
	-39844.6	273.5	-12.8	-24.1	915.2	15272.5
255.	-39605.1	320.2	-12.8	-14.7	1431.1	31037.7
	-39675.4	273.5	-12.8	-24.1	1457.4	26896.3
298.	-39435.9	320.2	-12.8	-14.7	1976.3	44647.8
	-39506.2	273.5	-12.8	-24.1	1999.5	38520.1
340.	-39266.7	320.2	-12.8	-14.7	2521.5	58257.9
	-39337.0	273.5	-12.8	-24.1	2541.7	50143.9

Asta	9	nodì	17	18		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-39347.9	-92.0	-5.2	-66.6	-1140.2	13268.8
	-39497.7	-138.6	-5.1	11.1	-1109.8	20981.2
43.	-39178.7	-92.0	-5.2	-66.6	-918.9	9360.2
	-39328.5	-138.6	-5.1	11.1	-891.0	15089.3
85.	-39009.5	-92.0	-5.2	-66.6	-697.6	5451.6
	-39159.3	-138.6	-5.1	11.1	-672.1	9197.5
128.	-38840.3	-92.0	-5.2	-66.6	-476.3	1543.1
	-38990.1	-138.6	-5.1	11.1	-453.3	3305.6
170.	-38671.1	-92.0	-5.2	-66.6	-255.0	-2365.5
	-38820.9	-138.6	-5.1	11.1	-234.4	-2586.3
213.	-38501.9	-92.0	-5.2	-66.6	-33.6	-6274.1
	-38651.7	-138.6	-5.1	11.1	-15.6	-8478.1
255.	-38332.7	-92.0	-5.2	-66.6	187.7	-10182.7
	-38482.5	-138.6	-5.1	11.1	203.3	-14370.0
298.	-38163.5	-92.0	-5.2	-66.6	409.0	-14091.2
	-38313.3	-138.6	-5.1	11.1	422.1	-20261.8
340.	-37994.3	-92.0	-5.2	-66.6	630.3	-17999.8
	-38144.1	-138.6	-5.1	11.1	641.0	-26153.7

Asta	10	nodì	19	20		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-32819.9	-66.8	-4.3	-47.9	-1117.5	9835.5
	-32886.1	-115.1	-4.2	7.8	-1105.4	17832.2
43.	-32650.7	-66.8	-4.3	-47.9	-936.6	6997.7
	-32716.9	-115.1	-4.2	7.8	-926.1	12939.7
85.	-32481.5	-66.8	-4.3	-47.9	-755.7	4159.9
	-32547.7	-115.1	-4.2	7.8	-746.7	8047.3
128.	-32312.3	-66.8	-4.3	-47.9	-574.8	1322.1
	-32378.5	-115.1	-4.2	7.8	-567.4	3154.8
170.	-32143.1	-66.8	-4.3	-47.9	-393.9	-1515.8
	-32209.3	-115.1	-4.2	7.8	-388.0	-1737.6
213.	-31973.9	-66.8	-4.3	-47.9	-213.0	-4353.6
	-32040.1	-115.1	-4.2	7.8	-208.7	-6630.0
255.	-31804.7	-66.8	-4.3	-47.9	-32.1	-7191.4
	-31870.9	-115.1	-4.2	7.8	-29.3	-11522.5
298.	-31635.5	-66.8	-4.3	-47.9	148.8	-10029.3
	-31701.7	-115.1	-4.2	7.8	150.1	-16414.9

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340.	-31466.3 -31532.5	-66.8 -115.1	-4.3 -4.2	-47.9 7.8	329.7 329.4	-12867.1 -21307.3
Asta	11	odi	21	22		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-32721.8 -32718.0	115.2 68.2	-8.7 -8.6	-40.0 21.0	-1866.5 -1870.3	-18093.0 -10296.7
43.	-32552.6 -32548.8	115.2 68.2	-8.7 -8.6	-40.0 21.0	-1497.7 -1503.3	-13195.2 -7400.0
85.	-32383.4 -32379.6	115.2 68.2	-8.7 -8.6	-40.0 21.0	-1128.9 -1136.3	-8297.3 -4503.2
128.	-32214.2 -32210.4	115.2 68.2	-8.7 -8.6	-40.0 21.0	-760.2 -769.4	-3399.4 -1606.4
170.	-32045.0 -32041.2	115.2 68.2	-8.7 -8.6	-40.0 21.0	-391.4 -402.4	1498.5 1290.4
213.	-31875.8 -31872.0	115.2 68.2	-8.7 -8.6	-40.0 21.0	-22.6 -35.5	6396.3 4187.2
255.	-31706.6 -31702.8	115.2 68.2	-8.7 -8.6	-40.0 21.0	346.2 331.5	11294.2 7084.0
298.	-31537.4 -31533.6	115.2 68.2	-8.7 -8.6	-40.0 21.0	715.0 698.4	16192.1 9980.8
340.	-31368.2 -31364.4	115.2 68.2	-8.7 -8.6	-40.0 21.0	1083.8 1065.4	21089.9 12877.6
Asta	12	odi	23	24		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-39957.7 -39962.5	226.9 180.6	-31.4 -31.2	-27.0 32.6	-6348.4 -6347.7	-34740.9 -27046.5
43.	-39788.5 -39793.3	226.9 180.6	-31.4 -31.2	-27.0 32.6	-5015.1 -5022.4	-25097.8 -19372.3
85.	-39619.3 -39624.1	226.9 180.6	-31.4 -31.2	-27.0 32.6	-3681.7 -3697.2	-15454.7 -11698.0
128.	-39450.1 -39454.9	226.9 180.6	-31.4 -31.2	-27.0 32.6	-2348.3 -2371.9	-5811.7 -4023.8
170.	-39280.9 -39285.7	226.9 180.6	-31.4 -31.2	-27.0 32.6	-1014.9 -1046.6	3831.4 3650.5
213.	-39111.7 -39116.5	226.9 180.6	-31.4 -31.2	-27.0 32.6	318.5 278.6	13474.5 11324.7
255.	-38942.5 -38947.3	226.9 180.6	-31.4 -31.2	-27.0 32.6	1651.9 1603.9	23117.6 18999.0
298.	-38773.3 -38778.0	226.9 180.6	-31.4 -31.2	-27.0 32.6	2985.2 2929.2	32760.7 26673.2
340.	-38604.1 -38608.8	226.9 180.6	-31.4 -31.2	-27.0 32.6	4318.6 4254.4	42403.8 34347.5
Asta	13	odi	25	26		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-46623.2 -46590.5	-13.6 -63.7	-145.6 -144.7	-25.7 34.1	-32420.6 -32304.2	883.8 9137.3
43.	-46454.0 -46421.3	-13.6 -63.7	-145.6 -144.7	-25.7 34.1	-26231.5 -26156.3	304.1 6428.0
85.	-46284.8 -46252.1	-13.6 -63.7	-145.6 -144.7	-25.7 34.1	-20042.4 -20008.4	-275.7 3718.7
128.	-46115.6 -46082.9	-13.6 -63.7	-145.6 -144.7	-25.7 34.1	-13853.3 -13860.5	-855.5 1009.5
170.	-45946.4 -45913.6	-13.6 -63.7	-145.6 -144.7	-25.7 34.1	-7664.1 -7712.6	-1435.3 -1699.8
213.	-45777.2 -45744.4	-13.6 -63.7	-145.6 -144.7	-25.7 34.1	-1475.0 -1564.7	-2015.1 -4409.1
255.	-45608.0 -45575.2	-13.6 -63.7	-145.6 -144.7	-25.7 34.1	4714.1 4583.2	-2594.9 -7118.4
298.	-45438.8 -45406.0	-13.6 -63.7	-145.6 -144.7	-25.7 34.1	10903.2 10731.1	-3174.7 -9827.7
340.	-45269.6 -45236.8	-13.6 -63.7	-145.6 -144.7	-25.7 34.1	17092.3 16879.0	-3754.5 -12537.0
Asta	14	odi	27	28		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-27877.7 -27861.6	204.7 154.8	-360.0 -359.1	13.3 74.2	-43036.2 -42931.6	-43614.9 -35522.0
43.	-27708.5 -27692.4	204.7 154.8	-360.0 -359.1	13.3 74.2	-27736.4 -27669.3	-34915.7 -28944.4
85.	-27539.3 -27523.2	204.7 154.8	-360.0 -359.1	13.3 74.2	-12436.5 -12407.0	-26216.4 -22366.7
128.	-27370.1 -27354.0	204.7 154.8	-360.0 -359.1	13.3 74.2	2863.3 2855.3	-17517.2 -15789.1
170.	-27200.9 -27184.8	204.7 154.8	-360.0 -359.1	13.3 74.2	18163.2 18117.6	-8817.9 -9211.4
213.	-27031.6 -27015.6	204.7 154.8	-360.0 -359.1	13.3 74.2	33463.0 33379.9	-118.7 -2633.8
255.	-26862.4 -26846.4	204.7 154.8	-360.0 -359.1	13.3 74.2	48762.8 48642.2	8580.6 3943.8
298.	-26693.2 -26677.2	204.7 154.8	-360.0 -359.1	13.3 74.2	64062.7 63904.6	17279.8 10521.5
340.	-26524.0 -26508.0	204.7 154.8	-360.0 -359.1	13.3 74.2	79362.5 79166.9	25979.1 17099.1
Asta	15	odi	29	30		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-32478.3 -32421.3	442.3 399.7	-16.5 -18.4	-80.2 -22.7	260.2 5.9	-64759.3 -57639.1
43.	-32309.1 -32252.1	442.3 399.7	-16.5 -18.4	-80.2 -22.7	962.0 789.4	-45959.8 -40652.0
85.	-32139.9	442.3	-16.5	-80.2	1663.8	-27160.3

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128.	-32082.9	399.7	-18.4	-22.7	1572.9	-23665.0
	-31970.7	442.3	-16.5	-80.2	2365.6	-8360.9
	-31913.7	399.7	-18.4	-22.7	2356.3	-6677.9
170.	-31801.5	442.3	-16.5	-80.2	3067.4	10438.6
	-31744.5	399.7	-18.4	-22.7	3139.8	10309.2
213.	-31632.3	442.3	-16.5	-80.2	3769.2	29238.0
	-31575.3	399.7	-18.4	-22.7	3923.3	27296.3
255.	-31463.1	442.3	-16.5	-80.2	4471.0	48037.5
	-31406.1	399.7	-18.4	-22.7	4706.8	44283.4
298.	-31293.8	442.3	-16.5	-80.2	5172.8	66836.9
	-31236.9	399.7	-18.4	-22.7	5490.3	61270.5
340.	-31124.6	442.3	-16.5	-80.2	5874.6	85636.4
	-31067.7	399.7	-18.4	-22.7	6273.7	78257.6
Asta	16	nodì	31	32		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-34868.9	-585.7	35.1	-51.2	4623.5	86516.9
	-34902.0	-626.5	37.5	46.0	4933.6	93306.7
43.	-34699.7	-585.7	35.1	-51.2	3130.1	61623.2
	-34732.7	-626.5	37.5	46.0	3340.6	66680.2
85.	-34530.5	-585.7	35.1	-51.2	1636.6	36729.5
	-34563.5	-626.5	37.5	46.0	1747.6	40053.8
128.	-34361.3	-585.7	35.1	-51.2	143.1	11835.8
	-34394.3	-626.5	37.5	46.0	154.5	13427.3
170.	-34192.1	-585.7	35.1	-51.2	-1350.3	-13057.9
	-34225.1	-626.5	37.5	46.0	-1438.5	-13199.2
213.	-34022.9	-585.7	35.1	-51.2	-2843.8	-37951.6
	-34055.9	-626.5	37.5	46.0	-3031.5	-39825.7
255.	-33853.7	-585.7	35.1	-51.2	-4337.3	-62845.3
	-33886.7	-626.5	37.5	46.0	-4624.5	-66452.1
298.	-33684.5	-585.7	35.1	-51.2	-5830.7	-87739.0
	-33717.5	-626.5	37.5	46.0	-6217.6	-93078.6
340.	-33515.3	-585.7	35.1	-51.2	-7324.2	-112632.7
	-33548.3	-626.5	37.5	46.0	-7810.6	-119705.1
Asta	17	nodì	104	110		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-24878.4	1638.4	101.2	-1037.9	13760.4	-199396.8
	-24800.3	925.0	97.0	-427.5	13206.0	-184838.9
43.	-24709.2	1552.3	101.2	-1037.9	9460.9	-131594.8
	-24631.1	1011.2	97.0	-427.5	9084.4	-143693.7
85.	-24540.0	1466.1	101.2	-1037.9	5161.4	-67454.5
	-24461.9	1097.4	97.0	-427.5	4962.9	-98887.0
128.	-24370.8	1380.0	101.2	-1037.9	861.9	-6975.8
	-24292.7	1183.5	97.0	-427.5	841.3	-50418.6
170.	-24201.6	1293.8	101.2	-1037.9	-3437.6	49841.3
	-24123.5	1269.7	97.0	-427.5	-3280.2	1711.4
213.	-24032.4	1207.6	101.2	-1037.9	-7737.1	102996.9
	-23954.3	1355.8	97.0	-427.5	-7401.8	57503.0
255.	-23863.2	1121.5	101.2	-1037.9	-12036.6	152490.8
	-23785.1	1442.0	97.0	-427.5	-11523.3	116956.2
298.	-23694.0	1035.3	101.2	-1037.9	-16336.1	198323.1
	-23615.8	1528.1	97.0	-427.5	-15644.9	180071.0
340.	-23524.8	949.2	101.2	-1037.9	-20635.6	240493.8
	-23446.6	1614.3	97.0	-427.5	-19766.4	246847.4
Asta	18	nodì	35	36		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-18880.8	618.7	-161.1	140.7	-21473.8	-67199.9
	-19454.9	249.3	-157.2	-276.8	-21155.1	-58358.4
43.	-18711.6	574.7	-161.1	140.7	-14627.7	-41838.7
	-19285.7	293.3	-157.2	-276.8	-14473.7	-46830.1
85.	-18542.4	530.7	-161.1	140.7	-7781.6	-18347.3
	-19116.5	337.2	-157.2	-276.8	-7792.4	-33432.0
128.	-18373.2	486.7	-161.1	140.7	-935.5	3274.3
	-18947.3	381.2	-157.2	-276.8	-1111.0	-18164.1
170.	-18204.0	442.7	-161.1	140.7	5910.6	23026.1
	-18778.1	425.2	-157.2	-276.8	5570.4	-1026.4
213.	-18034.8	398.8	-161.1	140.7	12756.7	40908.0
	-18608.9	469.2	-157.2	-276.8	12251.7	17981.2
255.	-17865.6	354.8	-161.1	140.7	19602.8	56920.2
	-18439.7	513.2	-157.2	-276.8	18933.1	38858.6
298.	-17696.4	310.8	-161.1	140.7	26448.9	71062.5
	-18270.5	557.2	-157.2	-276.8	25614.5	61605.8
340.	-17527.2	266.8	-161.1	140.7	33295.0	83334.9
	-18101.3	601.2	-157.2	-276.8	32295.8	86222.8
Asta	19	nodì	37	38		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-34095.1	146.1	-57.7	-40.1	-7145.8	-21375.8
	-34093.3	105.1	-57.8	149.7	-7128.2	-14915.9
43.	-33925.9	146.1	-57.7	-40.1	-4695.5	-15168.2
	-33924.1	105.1	-57.8	149.7	-4671.5	-10448.9
85.	-33756.7	146.1	-57.7	-40.1	-2245.3	-8960.6
	-33754.9	105.1	-57.8	149.7	-2214.9	-5981.9
128.	-33587.5	146.1	-57.7	-40.1	205.0	-2753.0
	-33585.7	105.1	-57.8	149.7	241.8	-1514.8
170.	-33418.3	146.1	-57.7	-40.1	2655.2	3454.5
	-33416.4	105.1	-57.8	149.7	2698.4	2952.2
213.	-33249.1	146.1	-57.7	-40.1	5105.5	9662.1
	-33247.2	105.1	-57.8	149.7	5155.1	7419.3
255.	-33079.9	146.1	-57.7	-40.1	7555.7	15869.7
	-33078.0	105.1	-57.8	149.7	7611.7	11886.3
298.	-32910.7	146.1	-57.7	-40.1	10006.0	22077.3

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340.	-32908.8 -32741.5 -32739.6	105.1 146.1 105.1	-57.8 -57.7 -57.8	149.7 -40.1 149.7	10068.4 12456.2 12525.0	16353.4 28284.9 20820.4
Asta	20	odi	39	40		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-21205.9 -20378.4 -21036.6	-494.3 -517.4 -494.3	-267.7 -273.9 -267.7	-77.9 -22.7 -77.9	-38547.8 -39161.7 -27169.7	71053.8 75538.0 50047.9
43.	-20209.2 -20867.4 -20040.0	-517.4 -494.3 -517.4	-273.9 -267.7 -273.9	-22.7 -77.9 -22.7	-27519.2 -15791.6 -15876.7	53549.2 29042.0 31560.3
85.	-20698.2 -19870.8 -20529.0	-494.3 -517.4 -494.3	-267.7 -273.9 -267.7	-77.9 -22.7 -77.9	-4413.4 -4234.3 6964.7	8036.1 9571.4 -12969.8
128.	-19701.6 -20359.8 -19532.4	-517.4 -494.3 -517.4	-273.9 -267.7 -273.9	-22.7 -77.9 -22.7	7408.2 18342.9 19050.7	-12417.5 -33975.7 -34406.4
170.	-20190.6 -19363.2 -20021.4	-494.3 -517.4 -494.3	-267.7 -273.9 -267.7	-77.9 -22.7 -77.9	29721.0 30693.2 41099.1	-54981.6 -56395.2 -75987.5
213.	-19194.0 -19852.2 -19024.8	-517.4 -494.3 -517.4	-273.9 -267.7 -273.9	-22.7 -77.9 -22.7	42335.7 52477.3 53978.2	-78384.1 -96993.4 -100373.0
Asta	21	odi	41	42		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-20338.5 -21172.1 -20169.3	509.2 485.9 509.2	-259.0 -252.6 -259.0	-18.2 45.2 -18.2	-37010.4 -36362.6 -26003.1	-74191.9 -69681.6 -52550.1
43.	-21002.9 -20000.1 -20833.7	485.9 509.2 485.9	-252.6 -259.0 -252.6	45.2 -18.2 45.2	-25627.8 -14995.8 -14892.9	-49029.2 -30908.3 -28376.7
85.	-19830.9 -20664.5 -19661.7	509.2 485.9 509.2	-259.0 -252.6 -259.0	-18.2 45.2 -18.2	-3988.5 -4158.1 7018.8	-9266.5 -7724.3 12375.3
128.	-20495.3 -19492.5 -20326.1	485.9 509.2 485.9	-252.6 -259.0 -252.6	45.2 -18.2 45.2	6576.7 18026.1 17311.6	12928.2 34017.1 33580.6
170.	-19323.3 -20156.9 -19154.1	509.2 485.9 509.2	-259.0 -252.6 -259.0	-18.2 45.2 -18.2	29033.4 28046.4 40040.8	55658.9 54233.0 77300.7
213.	-19987.7 -18984.9 -19818.5	485.9 509.2 485.9	-252.6 -259.0 -252.6	45.2 -18.2 45.2	38781.3 51048.1 49516.1	74885.5 98942.5 95537.9
Asta	22	odi	43	44		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-32993.0 -32981.7 -32823.8	-194.3 -235.2 -194.3	-73.0 -72.9 -73.0	-116.2 -58.6 -116.2	-6711.0 -6707.0 -3609.2	26691.2 33119.8 18432.6
43.	-32812.5 -32654.6 -32643.3	-235.2 -194.3 -235.2	-72.9 -73.0 -72.9	-58.6 -116.2 -58.6	-3608.8 -507.5 -510.6	23123.3 10173.9 13126.8
85.	-32485.4 -32474.1 -32316.2	-194.3 -235.2 -194.3	-73.0 -72.9 -73.0	-116.2 -58.6 -116.2	2594.2 2587.6 5695.9	1915.3 3130.3 -6343.3
128.	-32304.9 -32147.0 -32135.7	-235.2 -194.3 -235.2	-72.9 -73.0 -72.9	-58.6 -116.2 -58.6	5685.7 8797.6 8783.9	-6866.2 -14601.9 -16862.7
170.	-31977.8 -31966.5 -31808.6	-194.3 -235.2 -194.3	-73.0 -72.9 -73.0	-116.2 -58.6 -116.2	11899.3 11882.1 15001.0	-22860.5 -26859.2 -31119.1
213.	-31797.3 -31639.4 -31628.1	-235.2 -194.3 -235.2	-72.9 -73.0 -72.9	-58.6 -116.2 -58.6	14980.2 18102.7 18078.4	-36855.7 -39377.7 -46852.3
Asta	23	odi	45	46		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-22177.0 -21622.6 -22007.8	-320.3 -339.6 -320.3	-253.9 -258.0 -253.9	28.9 86.7 28.9	-21754.2 -21961.2 -10965.5	52834.6 56638.7 39222.6
43.	-21453.4 -21838.6 -21284.2	-339.6 -320.3 -339.6	-258.0 -253.9 -258.0	86.7 28.9 86.7	-10995.3 -176.8 -29.4	42207.7 25610.6 27776.6
85.	-21669.4 -21115.0 -21500.2	-320.3 -339.6 -320.3	-253.9 -258.0 -253.9	28.9 86.7 28.9	10611.8 10936.5 21400.5	11998.5 13345.6 -1613.5
128.	-20945.8 -21331.0 -20776.6	-339.6 -320.3 -339.6	-258.0 -253.9 -258.0	86.7 28.9 86.7	21902.4 32189.1 32868.3	-1085.5 -15225.5 -15516.5
170.	-21161.8 -20607.4 -20992.6	-320.3 -339.6 -320.3	-253.9 -258.0 -253.9	28.9 86.7 28.9	42977.8 43834.1 53766.4	-28837.5 -29947.6 -42449.6
213.	-20438.2 -20823.3 -20269.0	-339.6 -320.3 -339.6	-258.0 -253.9 -258.0	86.7 28.9 86.7	54800.0 64555.1 65765.9	-44378.6 -56061.6 -58809.7
Asta	24	odi	47	150		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-32736.1 -32785.5 -32651.5	-1151.5 -1216.5 -1151.5	-543.1 -530.8 -543.1	-26656.8 -26938.8 -26656.8	-7587.8 -7106.4 3953.1	249333.6 260740.7 224864.7
21.	-32700.9	-1216.5	-530.8	-26938.8	4173.7	234891.0

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43.	-32566.9	-1151.5	-543.1	-26656.8	15494.0	200395.7
	-32616.3	-1216.5	-530.8	-26938.8	15453.8	209041.3
64.	-32482.3	-1151.5	-543.1	-26656.8	27035.0	175926.7
	-32531.7	-1216.5	-530.8	-26938.8	26733.8	183191.6
85.	-32397.7	-1151.5	-543.1	-26656.8	38575.9	151457.7
	-32447.1	-1216.5	-530.8	-26938.8	38013.9	157341.8
106.	-32313.1	-1151.5	-543.1	-26656.8	50116.9	126988.7
	-32362.5	-1216.5	-530.8	-26938.8	49294.0	131492.1
128.	-32228.5	-1151.5	-543.1	-26656.8	61657.8	102519.7
	-32277.9	-1216.5	-530.8	-26938.8	60574.1	105642.4
149.	-32143.9	-1151.5	-543.1	-26656.8	73198.7	78050.7
	-32193.3	-1216.5	-530.8	-26938.8	71854.1	79792.7
170.	-32059.3	-1151.5	-543.1	-26656.8	84739.7	53581.8
	-32108.7	-1216.5	-530.8	-26938.8	83134.2	53942.9
Asta	25	odi	49	50		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-24006.8	184.6	-13.0	751.7	-6028.4	-25486.8
	-23988.9	143.1	-12.7	802.8	-5975.0	-18664.1
43.	-23837.6	184.6	-13.0	751.7	-5474.0	-17640.4
	-23819.7	143.1	-12.7	802.8	-5437.2	-12582.2
85.	-23668.3	184.6	-13.0	751.7	-4919.5	-9794.0
	-23650.5	143.1	-12.7	802.8	-4899.4	-6500.4
128.	-23499.1	184.6	-13.0	751.7	-4365.1	-1947.6
	-23481.3	143.1	-12.7	802.8	-4361.6	-418.6
170.	-23329.9	184.6	-13.0	751.7	-3810.6	5898.8
	-23312.1	143.1	-12.7	802.8	-3823.8	5663.2
213.	-23160.7	184.6	-13.0	751.7	-3256.1	13745.2
	-23142.9	143.1	-12.7	802.8	-3286.0	11745.1
255.	-22991.5	184.6	-13.0	751.7	-2701.7	21591.6
	-22973.7	143.1	-12.7	802.8	-2748.2	17826.9
298.	-22822.3	184.6	-13.0	751.7	-2147.2	29438.0
	-22804.5	143.1	-12.7	802.8	-2210.4	23908.7
340.	-22653.1	184.6	-13.0	751.7	-1592.8	37284.4
	-22635.3	143.1	-12.7	802.8	-1672.6	29990.6
Asta	26	odi	51	52		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-24342.9	-140.1	-21.0	-843.5	-6445.4	18407.7
	-24362.4	-181.4	-21.3	-779.6	-6479.8	25204.0
43.	-24173.7	-140.1	-21.0	-843.5	-5551.1	12454.7
	-24193.2	-181.4	-21.3	-779.6	-5573.7	17493.6
85.	-24004.5	-140.1	-21.0	-843.5	-4656.8	6501.7
	-24024.0	-181.4	-21.3	-779.6	-4667.7	9783.2
128.	-23835.2	-140.1	-21.0	-843.5	-3762.4	548.8
	-23854.8	-181.4	-21.3	-779.6	-3761.6	2072.8
170.	-23666.0	-140.1	-21.0	-843.5	-2868.1	-5404.2
	-23685.6	-181.4	-21.3	-779.6	-2855.6	-5637.6
213.	-23496.8	-140.1	-21.0	-843.5	-1973.8	-11357.1
	-23516.4	-181.4	-21.3	-779.6	-1949.5	-13348.1
255.	-23327.6	-140.1	-21.0	-843.5	-1079.5	-17310.1
	-23347.2	-181.4	-21.3	-779.6	-1043.5	-21058.5
298.	-23158.4	-140.1	-21.0	-843.5	-185.2	-23263.0
	-23178.0	-181.4	-21.3	-779.6	-137.4	-28768.9
340.	-22989.2	-140.1	-21.0	-843.5	709.1	-29216.0
	-23008.8	-181.4	-21.3	-779.6	768.7	-36479.3
Asta	27	odi	53	54		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-31656.2	15.3	25.7	134.8	2053.8	-4266.6
	-31646.6	-31.3	25.5	54.3	2059.6	3416.3
43.	-31487.0	15.3	25.7	134.8	961.5	-3617.3
	-31477.4	-31.3	25.5	54.3	977.6	2084.4
85.	-31317.8	15.3	25.7	134.8	-130.8	-2968.0
	-31308.1	-31.3	25.5	54.3	-104.3	752.5
128.	-31148.6	15.3	25.7	134.8	-1223.0	-2318.8
	-31138.9	-31.3	25.5	54.3	-1186.2	-579.4
170.	-30979.4	15.3	25.7	134.8	-2315.3	-1669.5
	-30969.7	-31.3	25.5	54.3	-2268.2	-1911.3
213.	-30810.2	15.3	25.7	134.8	-3407.6	-1020.2
	-30800.5	-31.3	25.5	54.3	-3350.1	-3243.2
255.	-30641.0	15.3	25.7	134.8	-4499.9	-371.0
	-30631.3	-31.3	25.5	54.3	-4432.0	-4575.1
298.	-30471.8	15.3	25.7	134.8	-5592.2	278.3
	-30462.1	-31.3	25.5	54.3	-5514.0	-5907.0
340.	-30302.6	15.3	25.7	134.8	-6684.5	927.6
	-30292.9	-31.3	25.5	54.3	-6595.9	-7238.9
Asta	28	odi	55	152		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-33041.0	-2287.0	545.3	-26474.7	-8390.9	394765.7
	-32846.9	-2355.9	556.2	-26754.4	-8150.2	406338.4
21.	-32956.4	-2287.0	545.3	-26474.7	-19977.7	346166.6
	-32762.3	-2355.9	556.2	-26754.4	-19968.5	356274.6
43.	-32871.8	-2287.0	545.3	-26474.7	-31564.4	297567.5
	-32677.7	-2355.9	556.2	-26754.4	-31786.9	306210.7
64.	-32787.2	-2287.0	545.3	-26474.7	-43151.2	248968.4
	-32593.1	-2355.9	556.2	-26754.4	-43605.2	256146.9
85.	-32702.6	-2287.0	545.3	-26474.7	-54738.0	200369.3
	-32508.5	-2355.9	556.2	-26754.4	-55423.5	206083.0
106.	-32618.0	-2287.0	545.3	-26474.7	-66324.8	151770.2
	-32423.9	-2355.9	556.2	-26754.4	-67241.9	156019.2
128.	-32533.4	-2287.0	545.3	-26474.7	-77911.6	103171.2
	-32339.3	-2355.9	556.2	-26754.4	-79060.2	105955.3

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149.	-32448.8	-2287.0	545.3	-26474.7	-89498.3	54572.1
	-32254.7	-2355.9	556.2	-26754.4	-90878.6	55891.5
170.	-32364.2	-2287.0	545.3	-26474.7	-101085.1	5973.0
	-32170.1	-2355.9	556.2	-26754.4	-102696.9	5827.6
Asta	29	nodì	57	58		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-13351.9	-117.6	150.1	-44.5	18339.2	17311.8
	-13326.5	-139.0	150.0	4.4	18329.3	21961.9
43.	-13182.7	-117.6	150.1	-44.5	11959.2	12315.1
	-13157.3	-139.0	150.0	4.4	11953.6	16053.0
85.	-13013.5	-117.6	150.1	-44.5	5579.2	7318.4
	-12988.1	-139.0	150.0	4.4	5577.9	10144.1
128.	-12844.3	-117.6	150.1	-44.5	-800.9	2321.7
	-12818.9	-139.0	150.0	4.4	-797.8	4235.2
170.	-12675.1	-117.6	150.1	-44.5	-7180.9	-2675.1
	-12649.7	-139.0	150.0	4.4	-7173.5	-1673.7
213.	-12505.9	-117.6	150.1	-44.5	-13560.9	-7671.8
	-12480.5	-139.0	150.0	4.4	-13549.2	-7582.6
255.	-12336.7	-117.6	150.1	-44.5	-19940.9	-12668.5
	-12311.3	-139.0	150.0	4.4	-19924.9	-13491.5
298.	-12167.5	-117.6	150.1	-44.5	-26320.9	-17665.3
	-12142.0	-139.0	150.0	4.4	-26300.6	-19400.4
340.	-11998.3	-117.6	150.1	-44.5	-32700.9	-22662.0
	-11972.8	-139.0	150.0	4.4	-32676.3	-25309.3
Asta	30	nodì	59	60		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-32713.7	-44.7	28.3	113.6	2946.4	5271.4
	-32694.4	-91.7	28.2	144.1	2933.1	12793.8
43.	-32544.5	-44.7	28.3	113.6	1744.1	3370.3
	-32525.2	-91.7	28.2	144.1	1735.9	8895.6
85.	-32375.3	-44.7	28.3	113.6	541.8	1469.1
	-32356.0	-91.7	28.2	144.1	538.6	4997.5
128.	-32206.0	-44.7	28.3	113.6	-660.5	-432.0
	-32186.8	-91.7	28.2	144.1	-658.6	1099.3
170.	-32036.8	-44.7	28.3	113.6	-1862.8	-2333.2
	-32017.6	-91.7	28.2	144.1	-1855.8	-2798.9
213.	-31867.6	-44.7	28.3	113.6	-3065.1	-4234.3
	-31848.4	-91.7	28.2	144.1	-3053.0	-6697.0
255.	-31698.4	-44.7	28.3	113.6	-4267.4	-6135.4
	-31679.2	-91.7	28.2	144.1	-4250.3	-10595.2
298.	-31529.2	-44.7	28.3	113.6	-5469.7	-8036.6
	-31510.0	-91.7	28.2	144.1	-5447.5	-14493.4
340.	-31360.0	-44.7	28.3	113.6	-6672.0	-9937.7
	-31340.8	-91.7	28.2	144.1	-6644.7	-18391.5
Asta	31	nodì	61	62		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-25790.1	130.0	23.5	-110.6	2810.1	-19991.8
	-25799.6	81.4	23.4	82.3	2834.3	-12005.1
43.	-25620.9	130.0	23.5	-110.6	1809.7	-14468.1
	-25630.4	81.4	23.4	82.3	1839.7	-8544.2
85.	-25451.7	130.0	23.5	-110.6	809.3	-8944.5
	-25461.2	81.4	23.4	82.3	845.0	-5083.2
128.	-25282.5	130.0	23.5	-110.6	-191.1	-3420.9
	-25291.9	81.4	23.4	82.3	-149.6	-1622.3
170.	-25113.3	130.0	23.5	-110.6	-1191.6	2102.7
	-25122.7	81.4	23.4	82.3	-1144.3	1838.6
213.	-24944.0	130.0	23.5	-110.6	-2192.0	7626.3
	-24953.5	81.4	23.4	82.3	-2138.9	5299.5
255.	-24774.8	130.0	23.5	-110.6	-3192.4	13149.9
	-24784.3	81.4	23.4	82.3	-3133.6	8760.4
298.	-24605.6	130.0	23.5	-110.6	-4192.8	18673.5
	-24615.1	81.4	23.4	82.3	-4128.2	12221.4
340.	-24436.4	130.0	23.5	-110.6	-5193.2	24197.1
	-24445.9	81.4	23.4	82.3	-5122.9	15682.3
Asta	32	nodì	63	64		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-26775.3	285.9	75.7	0.2	8592.6	-44052.8
	-26781.3	244.2	74.9	-418.5	8591.8	-37234.8
43.	-26606.1	285.9	75.7	0.2	5377.4	-31903.9
	-26612.1	244.2	74.9	-418.5	5409.8	-26857.0
85.	-26436.9	285.9	75.7	0.2	2162.1	-19755.0
	-26442.9	244.2	74.9	-418.5	2227.9	-16479.2
128.	-26267.7	285.9	75.7	0.2	-1053.1	-7606.1
	-26273.7	244.2	74.9	-418.5	-954.0	-6101.4
170.	-26098.5	285.9	75.7	0.2	-4268.3	4542.9
	-26104.5	244.2	74.9	-418.5	-4135.9	4276.4
213.	-25929.3	285.9	75.7	0.2	-7483.5	16691.8
	-25935.3	244.2	74.9	-418.5	-7317.8	14654.2
255.	-25760.1	285.9	75.7	0.2	-10698.7	28840.7
	-25766.1	244.2	74.9	-418.5	-10499.7	25032.0
298.	-25590.9	285.9	75.7	0.2	-13914.0	40989.7
	-25596.9	244.2	74.9	-418.5	-13681.6	35409.8
340.	-25421.7	285.9	75.7	0.2	-17129.2	53138.6
	-25427.7	244.2	74.9	-418.5	-16863.5	45787.6
Asta	33	nodì	2	65		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-6695.4	-572.7	327.9	30.2	69436.5	92578.2
	-6391.4	-596.6	335.5	69.6	70650.6	96782.5
43.	-6526.2	-572.7	327.9	30.2	55498.8	68236.4

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85.	-6222.2	-596.6	335.5	69.6	56390.8	71427.3
	-6356.9	-572.7	327.9	30.2	41561.1	43894.6
	-6053.0	-596.6	335.5	69.6	42131.0	46072.2
128.	-6187.7	-572.7	327.9	30.2	27623.5	19552.7
	-5883.8	-596.6	335.5	69.6	27871.2	20717.0
170.	-6018.5	-572.7	327.9	30.2	13685.8	-4789.1
	-5714.6	-596.6	335.5	69.6	13611.3	-4638.1
213.	-5849.3	-572.7	327.9	30.2	-251.9	-29130.9
	-5545.4	-596.6	335.5	69.6	-648.5	-29993.3
255.	-5680.1	-572.7	327.9	30.2	-14189.5	-53472.7
	-5376.1	-596.6	335.5	69.6	-14908.3	-55348.4
298.	-5510.9	-572.7	327.9	30.2	-28127.2	-77814.5
	-5206.9	-596.6	335.5	69.6	-29168.1	-80703.6
340.	-5341.7	-572.7	327.9	30.2	-42064.9	-102156.4
	-5037.7	-596.6	335.5	69.6	-43427.9	-106058.7
Asta	34	odi	4	66		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-16390.0	100.2	116.8	15.9	18696.4	-13846.7
	-16404.4	37.5	118.4	55.3	18888.2	-3961.4
43.	-16220.8	100.2	116.8	15.9	13730.9	-9587.3
	-16235.2	37.5	118.4	55.3	13858.0	-2367.2
85.	-16051.6	100.2	116.8	15.9	8765.4	-5327.9
	-16066.0	37.5	118.4	55.3	8827.9	-773.0
128.	-15882.4	100.2	116.8	15.9	3799.8	-1068.5
	-15896.8	37.5	118.4	55.3	3797.8	821.2
170.	-15713.2	100.2	116.8	15.9	-1165.7	3191.0
	-15727.6	37.5	118.4	55.3	-1232.4	2415.4
213.	-15544.0	100.2	116.8	15.9	-6131.2	7450.4
	-15558.4	37.5	118.4	55.3	-6262.5	4009.6
255.	-15374.8	100.2	116.8	15.9	-11096.7	11709.8
	-15389.2	37.5	118.4	55.3	-11292.7	5603.8
298.	-15205.6	100.2	116.8	15.9	-16062.3	15969.2
	-15219.9	37.5	118.4	55.3	-16322.8	7198.0
340.	-15036.4	100.2	116.8	15.9	-21027.8	20228.7
	-15050.7	37.5	118.4	55.3	-21352.9	8792.2
Asta	35	odi	6	67		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-6588.3	-45.3	256.0	16.2	39877.6	2904.4
	-6598.7	-67.4	255.8	53.4	39837.1	6810.3
43.	-6419.1	-45.3	256.0	16.2	28998.8	977.1
	-6429.5	-67.4	255.8	53.4	28966.9	3944.4
85.	-6249.9	-45.3	256.0	16.2	18120.0	-950.2
	-6260.3	-67.4	255.8	53.4	18096.8	1078.6
128.	-6080.7	-45.3	256.0	16.2	7241.3	-2877.6
	-6091.1	-67.4	255.8	53.4	7226.7	-1787.3
170.	-5911.5	-45.3	256.0	16.2	-3637.5	-4804.9
	-5921.9	-67.4	255.8	53.4	-3643.5	-4653.1
213.	-5742.3	-45.3	256.0	16.2	-14516.3	-6732.3
	-5752.7	-67.4	255.8	53.4	-14513.6	-7519.0
255.	-5573.1	-45.3	256.0	16.2	-25395.0	-8659.6
	-5583.5	-67.4	255.8	53.4	-25383.7	-10384.8
298.	-5403.8	-45.3	256.0	16.2	-36273.8	-10587.0
	-5414.3	-67.4	255.8	53.4	-36253.8	-13250.7
340.	-5234.6	-45.3	256.0	16.2	-47152.5	-12514.3
	-5245.1	-67.4	255.8	53.4	-47124.0	-16116.5
Asta	36	odi	8	68		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-16971.6	442.8	108.6	9.7	13915.5	-70275.5
	-16995.0	376.7	108.5	50.5	13902.0	-59774.5
43.	-16802.4	442.8	108.6	9.7	9300.4	-51458.4
	-16825.8	376.7	108.5	50.5	9290.2	-43764.2
85.	-16633.2	442.8	108.6	9.7	4685.2	-32641.2
	-16656.6	376.7	108.5	50.5	4678.3	-27754.0
128.	-16464.0	442.8	108.6	9.7	70.0	-13824.0
	-16487.4	376.7	108.5	50.5	66.5	-11743.8
170.	-16294.8	442.8	108.6	9.7	-4545.1	4993.2
	-16318.2	376.7	108.5	50.5	-4545.4	4266.5
213.	-16125.6	442.8	108.6	9.7	-9160.3	23810.4
	-16149.0	376.7	108.5	50.5	-9157.2	20276.7
255.	-15956.4	442.8	108.6	9.7	-13775.5	42627.5
	-15979.8	376.7	108.5	50.5	-13769.1	36286.9
298.	-15787.2	442.8	108.6	9.7	-18390.6	61444.7
	-15810.6	376.7	108.5	50.5	-18380.9	52297.2
340.	-15618.0	442.8	108.6	9.7	-23005.8	80261.9
	-15641.4	376.7	108.5	50.5	-22992.8	68307.4
Asta	37	odi	10	69		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3648.1	609.6	354.1	95.9	75019.5	-71381.3
	-3885.8	231.3	346.8	-52.9	73809.9	-61531.3
43.	-3478.9	565.6	354.1	95.9	59968.8	-46408.3
	-3716.6	275.4	346.8	-52.9	59069.0	-50762.9
85.	-3309.7	521.5	354.1	95.9	44918.1	-23308.4
	-3547.4	319.5	346.8	-52.9	44328.0	-38121.4
128.	-3140.5	477.4	354.1	95.9	29867.3	-2081.6
	-3378.2	363.6	346.8	-52.9	29587.1	-23606.8
170.	-2971.3	433.3	354.1	95.9	14816.6	17272.2
	-3209.0	407.6	346.8	-52.9	14846.1	-7219.2
213.	-2802.1	389.3	354.1	95.9	-234.1	34752.9
	-3039.8	451.7	346.8	-52.9	105.2	11041.5
255.	-2632.8	345.2	354.1	95.9	-15284.9	50360.5

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	-2870.6	495.8	346.8	-52.9	-14635.8	31175.3
298.	-2463.6	301.1	354.1	95.9	-30335.6	64095.0
	-2701.4	539.8	346.8	-52.9	-29376.7	53182.2
340.	-2294.4	257.1	354.1	95.9	-45386.3	75956.4
	-2532.2	583.9	346.8	-52.9	-44117.7	77062.1

Asta	38	nodi	12	70		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-10457.4	1207.3	-80.9	-123.5	-25853.5	-149443.4
	-10732.8	507.4	-81.0	214.4	-25844.2	-133687.8
43.	-10288.2	1123.0	-80.9	-123.5	-22413.8	-99924.5
	-10563.6	591.7	-81.0	214.4	-22401.8	-110331.8
85.	-10118.9	1038.8	-80.9	-123.5	-18974.2	-53985.9
	-10394.4	675.9	-81.0	214.4	-18959.4	-83395.4
128.	-9949.7	954.5	-80.9	-123.5	-15534.6	-11627.7
	-10225.2	760.2	-81.0	214.4	-15517.0	-52878.7
170.	-9780.5	870.3	-80.9	-123.5	-12095.0	27150.3
	-10055.9	844.4	-81.0	214.4	-12074.5	-18781.7
213.	-9611.3	786.1	-80.9	-123.5	-8655.3	62348.0
	-9886.7	928.6	-81.0	214.4	-8632.1	18895.5
255.	-9442.1	701.8	-80.9	-123.5	-5215.7	93965.3
	-9717.5	1012.9	-81.0	214.4	-5189.7	60153.1
298.	-9272.9	617.6	-80.9	-123.5	-1776.1	122002.4
	-9548.3	1097.1	-81.0	214.4	-1747.3	104991.1
340.	-9103.7	533.3	-80.9	-123.5	1663.6	146459.1
	-9379.1	1181.4	-81.0	214.4	1695.1	153409.3

Asta	39	nodi	14	71		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-16911.6	814.7	-24.8	40.0	-8467.1	-136863.7
	-16944.6	758.6	-24.7	9.9	-8446.5	-126321.2
43.	-16742.4	814.7	-24.8	40.0	-7413.1	-102239.9
	-16775.4	758.6	-24.7	9.9	-7398.7	-94079.9
85.	-16573.2	814.7	-24.8	40.0	-6359.1	-67616.1
	-16606.2	758.6	-24.7	9.9	-6350.9	-61838.6
128.	-16404.0	814.7	-24.8	40.0	-5305.1	-32992.3
	-16437.0	758.6	-24.7	9.9	-5303.1	-29597.3
170.	-16234.8	814.7	-24.8	40.0	-4251.0	1631.5
	-16267.8	758.6	-24.7	9.9	-4255.3	2644.0
213.	-16065.6	814.7	-24.8	40.0	-3197.0	36255.3
	-16098.6	758.6	-24.7	9.9	-3207.5	34885.3
255.	-15896.4	814.7	-24.8	40.0	-2143.0	70879.0
	-15929.4	758.6	-24.7	9.9	-2159.7	67126.6
298.	-15727.2	814.7	-24.8	40.0	-1089.0	105502.8
	-15760.2	758.6	-24.7	9.9	-1111.9	99367.9
340.	-15558.0	814.7	-24.8	40.0	-35.0	140126.6
	-15591.0	758.6	-24.7	9.9	-64.1	131609.2

Asta	40	nodi	16	72		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-22075.7	395.6	-7.9	0.7	-3056.3	-61925.8
	-22125.4	344.4	-7.7	58.9	-3037.6	-52240.4
43.	-21906.5	395.6	-7.9	0.7	-2721.1	-45114.0
	-21956.2	344.4	-7.7	58.9	-2709.5	-37604.8
85.	-21737.2	395.6	-7.9	0.7	-2386.0	-28302.2
	-21787.0	344.4	-7.7	58.9	-2381.4	-22969.2
128.	-21568.0	395.6	-7.9	0.7	-2050.9	-11490.3
	-21617.8	344.4	-7.7	58.9	-2053.2	-8333.6
170.	-21398.8	395.6	-7.9	0.7	-1715.8	5321.5
	-21448.6	344.4	-7.7	58.9	-1725.1	6302.0
213.	-21229.6	395.6	-7.9	0.7	-1380.6	22133.3
	-21279.4	344.4	-7.7	58.9	-1397.0	20937.6
255.	-21060.4	395.6	-7.9	0.7	-1045.5	38945.2
	-21110.2	344.4	-7.7	58.9	-1068.8	35573.3
298.	-20891.2	395.6	-7.9	0.7	-710.4	55757.0
	-20941.0	344.4	-7.7	58.9	-740.7	50208.9
340.	-20722.0	395.6	-7.9	0.7	-375.2	72568.8
	-20771.8	344.4	-7.7	58.9	-412.6	64844.5

Asta	41	nodi	18	73		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-18935.8	-183.9	-2.2	13.3	-1182.3	20468.2
	-19098.1	-231.7	-2.0	49.7	-1169.1	30069.6
43.	-18766.6	-183.9	-2.2	13.3	-1089.4	12652.1
	-18928.9	-231.7	-2.0	49.7	-1082.0	20224.1
85.	-18597.4	-183.9	-2.2	13.3	-996.6	4836.0
	-18759.7	-231.7	-2.0	49.7	-995.0	10378.6
128.	-18428.2	-183.9	-2.2	13.3	-903.8	-2980.0
	-18590.5	-231.7	-2.0	49.7	-908.0	533.1
170.	-18259.0	-183.9	-2.2	13.3	-810.9	-10796.1
	-18421.3	-231.7	-2.0	49.7	-820.9	-9312.4
213.	-18089.8	-183.9	-2.2	13.3	-718.1	-18612.2
	-18252.1	-231.7	-2.0	49.7	-733.9	-19157.9
255.	-17920.6	-183.9	-2.2	13.3	-625.3	-26428.3
	-18082.9	-231.7	-2.0	49.7	-646.9	-29003.3
298.	-17751.4	-183.9	-2.2	13.3	-532.5	-34244.3
	-17913.7	-231.7	-2.0	49.7	-559.8	-38848.8
340.	-17582.2	-183.9	-2.2	13.3	-439.6	-42060.4
	-17744.5	-231.7	-2.0	49.7	-472.8	-48694.3

Asta	42	nodi	20	74		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-11999.2	-60.7	-0.8	14.4	-817.9	11738.4
	-12063.8	-126.9	-0.7	55.1	-809.9	22242.2

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43.	-11830.0	-60.7	-0.8	14.4	-784.7	9160.6
	-11894.6	-126.9	-0.7	55.1	-779.6	16850.3
85.	-11660.8	-60.7	-0.8	14.4	-751.6	6582.8
	-11725.4	-126.9	-0.7	55.1	-749.4	11458.4
128.	-11491.6	-60.7	-0.8	14.4	-718.4	4004.9
	-11556.2	-126.9	-0.7	55.1	-719.1	6066.5
170.	-11322.4	-60.7	-0.8	14.4	-685.2	1427.1
	-11387.0	-126.9	-0.7	55.1	-688.8	674.6
213.	-11153.1	-60.7	-0.8	14.4	-652.0	-1150.7
	-11217.8	-126.9	-0.7	55.1	-658.5	-4717.3
255.	-10983.9	-60.7	-0.8	14.4	-618.8	-3728.5
	-11048.6	-126.9	-0.7	55.1	-628.3	-10109.1
298.	-10814.7	-60.7	-0.8	14.4	-585.6	-6306.3
	-10879.4	-126.9	-0.7	55.1	-598.0	-15501.0
340.	-10645.5	-60.7	-0.8	14.4	-552.4	-8884.2
	-10710.2	-126.9	-0.7	55.1	-567.7	-20892.9
Asta	43	nodì	22	75		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-11958.2	125.4	-1.0	14.5	-1370.1	-22368.4
	-11949.4	64.7	-1.0	54.4	-1358.3	-12246.6
43.	-11789.0	125.4	-1.0	14.5	-1326.4	-17037.7
	-11780.2	64.7	-1.0	54.4	-1317.6	-9498.0
85.	-11619.8	125.4	-1.0	14.5	-1282.8	-11707.0
	-11611.0	64.7	-1.0	54.4	-1276.8	-6749.3
128.	-11450.6	125.4	-1.0	14.5	-1239.1	-6376.3
	-11441.8	64.7	-1.0	54.4	-1236.0	-4000.7
170.	-11281.4	125.4	-1.0	14.5	-1195.4	-1045.6
	-11272.6	64.7	-1.0	54.4	-1195.3	-1252.1
213.	-11112.2	125.4	-1.0	14.5	-1151.7	4285.2
	-11103.4	64.7	-1.0	54.4	-1154.5	1496.5
255.	-10943.0	125.4	-1.0	14.5	-1108.0	9615.9
	-10934.2	64.7	-1.0	54.4	-1113.7	4245.1
298.	-10773.8	125.4	-1.0	14.5	-1064.3	14946.6
	-10765.0	64.7	-1.0	54.4	-1072.9	6993.7
340.	-10604.6	125.4	-1.0	14.5	-1020.6	20277.3
	-10595.8	64.7	-1.0	54.4	-1032.2	9742.3
Asta	44	nodì	24	76		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-19311.6	344.8	-5.3	31.0	-3893.2	-47634.1
	-19315.3	283.8	-5.1	71.3	-3851.0	-37633.1
43.	-19142.4	344.8	-5.3	31.0	-3669.4	-32981.3
	-19146.1	283.8	-5.1	71.3	-3635.0	-25570.8
85.	-18973.2	344.8	-5.3	31.0	-3445.5	-18328.6
	-18976.9	283.8	-5.1	71.3	-3419.0	-13508.4
128.	-18804.0	344.8	-5.3	31.0	-3221.7	-3675.8
	-18807.7	283.8	-5.1	71.3	-3203.0	-1446.0
170.	-18634.8	344.8	-5.3	31.0	-2997.8	10977.0
	-18638.5	283.8	-5.1	71.3	-2987.0	10616.3
213.	-18465.6	344.8	-5.3	31.0	-2774.0	25629.8
	-18469.3	283.8	-5.1	71.3	-2771.0	22678.7
255.	-18296.4	344.8	-5.3	31.0	-2550.1	40282.6
	-18300.1	283.8	-5.1	71.3	-2555.0	34741.1
298.	-18127.2	344.8	-5.3	31.0	-2326.2	54935.3
	-18130.9	283.8	-5.1	71.3	-2339.1	46803.4
340.	-17957.9	344.8	-5.3	31.0	-2102.4	69588.1
	-17961.7	283.8	-5.1	71.3	-2123.1	58865.8
Asta	45	nodì	26	77		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-24000.1	-43.4	-30.8	-97.4	-13381.4	3938.4
	-23980.9	-108.4	-30.2	-58.9	-13215.4	14674.8
43.	-23830.9	-43.4	-30.8	-97.4	-12071.1	2093.5
	-23811.7	-108.4	-30.2	-58.9	-11933.2	10068.2
85.	-23661.7	-43.4	-30.8	-97.4	-10760.9	248.7
	-23642.5	-108.4	-30.2	-58.9	-10651.1	5461.6
128.	-23492.5	-43.4	-30.8	-97.4	-9450.6	-1596.2
	-23473.3	-108.4	-30.2	-58.9	-9368.9	854.9
170.	-23323.3	-43.4	-30.8	-97.4	-8140.4	-3441.1
	-23304.1	-108.4	-30.2	-58.9	-8086.8	-3751.7
213.	-23154.1	-43.4	-30.8	-97.4	-6830.1	-5286.0
	-23134.8	-108.4	-30.2	-58.9	-6804.6	-8358.4
255.	-22984.9	-43.4	-30.8	-97.4	-5519.9	-7130.8
	-22965.6	-108.4	-30.2	-58.9	-5522.4	-12965.0
298.	-22815.7	-43.4	-30.8	-97.4	-4209.7	-8975.7
	-22796.4	-108.4	-30.2	-58.9	-4240.3	-17571.7
340.	-22646.5	-43.4	-30.8	-97.4	-2899.4	-10820.6
	-22627.2	-108.4	-30.2	-58.9	-2958.1	-22178.3
Asta	46	nodì	28	78		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-8557.0	236.4	-265.4	-81.2	-76389.6	-28012.5
	-8555.3	170.7	-264.6	-42.6	-76235.5	-17156.9
43.	-8387.8	236.4	-265.4	-81.2	-65111.2	-17964.2
	-8386.1	170.7	-264.6	-42.6	-64988.2	-9902.9
85.	-8218.6	236.4	-265.4	-81.2	-53832.8	-7915.8
	-8216.9	170.7	-264.6	-42.6	-53740.9	-2648.9
128.	-8049.4	236.4	-265.4	-81.2	-42554.4	2132.6
	-8047.7	170.7	-264.6	-42.6	-42493.6	4605.1
170.	-7880.2	236.4	-265.4	-81.2	-31275.9	12180.9
	-7878.5	170.7	-264.6	-42.6	-31246.3	11859.1
213.	-7711.0	236.4	-265.4	-81.2	-19997.5	22229.3
	-7709.3	170.7	-264.6	-42.6	-19999.0	19113.1

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255.	-7541.8	236.4	-265.4	-81.2	-8719.1	32277.7
	-7540.1	170.7	-264.6	-42.6	-8751.6	26367.1
298.	-7372.6	236.4	-265.4	-81.2	2559.3	42326.0
	-7370.9	170.7	-264.6	-42.6	2495.7	33621.0
340.	-7203.4	236.4	-265.4	-81.2	13837.7	52374.4
	-7201.7	170.7	-264.6	-42.6	13743.0	40875.0

Asta	47	nod	30	79		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-13252.8	442.4	-114.5	52.3	-9998.8	-86506.3
	-13225.7	386.2	-117.4	92.4	-10451.2	-77234.3
43.	-13083.6	442.4	-114.5	52.3	-5130.7	-67702.6
	-13056.5	386.2	-117.4	92.4	-5463.8	-60820.6
85.	-12914.4	442.4	-114.5	52.3	-262.7	-48898.9
	-12887.3	386.2	-117.4	92.4	-476.4	-44406.9
128.	-12745.2	442.4	-114.5	52.3	4605.4	-30095.3
	-12718.0	386.2	-117.4	92.4	4511.0	-27993.1
170.	-12576.0	442.4	-114.5	52.3	9473.4	-11291.6
	-12548.8	386.2	-117.4	92.4	9498.3	-11579.4
213.	-12406.8	442.4	-114.5	52.3	14341.5	7512.1
	-12379.6	386.2	-117.4	92.4	14485.7	4834.3
255.	-12237.6	442.4	-114.5	52.3	19209.6	26315.8
	-12210.4	386.2	-117.4	92.4	19473.1	21248.0
298.	-12068.4	442.4	-114.5	52.3	24077.6	45119.5
	-12041.2	386.2	-117.4	92.4	24460.5	37661.7
340.	-11899.2	442.4	-114.5	52.3	28945.7	63923.2
	-11872.0	386.2	-117.4	92.4	29447.9	54075.5

Asta	48	nod	32	80		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-14184.2	-558.2	-93.4	12.8	1953.2	110761.0
	-14204.1	-613.0	-90.0	25.5	2496.2	119742.7
43.	-14015.0	-558.2	-93.4	12.8	5921.6	87037.8
	-14034.9	-613.0	-90.0	25.5	6323.0	93689.9
85.	-13845.8	-558.2	-93.4	12.8	9890.0	63314.6
	-13865.6	-613.0	-90.0	25.5	10149.8	67637.1
128.	-13676.6	-558.2	-93.4	12.8	13858.4	39591.4
	-13696.4	-613.0	-90.0	25.5	13976.6	41584.3
170.	-13507.4	-558.2	-93.4	12.8	17826.8	15868.1
	-13527.2	-613.0	-90.0	25.5	17803.4	15531.5
213.	-13338.2	-558.2	-93.4	12.8	21795.2	-7855.1
	-13358.0	-613.0	-90.0	25.5	21630.2	-10521.3
255.	-13169.0	-558.2	-93.4	12.8	25763.6	-31578.3
	-13188.8	-613.0	-90.0	25.5	25456.9	-36574.1
298.	-12999.8	-558.2	-93.4	12.8	29732.0	-55301.5
	-13019.6	-613.0	-90.0	25.5	29283.7	-62626.8
340.	-12830.6	-558.2	-93.4	12.8	33700.4	-79024.7
	-12850.4	-613.0	-90.0	25.5	33110.5	-88679.6

Asta	49	nod	110	109		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-7863.2	1799.7	82.4	223.4	19140.3	-257995.4
	-7840.5	1049.6	77.0	-230.4	18286.9	-240153.4
43.	-7694.0	1711.9	82.4	223.4	15639.0	-183373.6
	-7671.3	1137.4	77.0	-230.4	15014.2	-193678.7
85.	-7524.8	1624.0	82.4	223.4	12137.7	-112484.9
	-7502.1	1225.3	77.0	-230.4	11741.4	-143470.8
128.	-7355.6	1536.2	82.4	223.4	8636.4	-45329.4
	-7332.9	1313.1	77.0	-230.4	8468.7	-89529.7
170.	-7186.4	1448.4	82.4	223.4	5135.1	18093.0
	-7163.7	1401.0	77.0	-230.4	5195.9	-31855.6
213.	-7017.2	1360.5	82.4	223.4	1633.8	77782.2
	-6994.5	1488.8	77.0	-230.4	1923.2	29551.8
255.	-6848.0	1272.7	82.4	223.4	-1867.5	133738.3
	-6825.3	1576.6	77.0	-230.4	-1349.6	94692.2
298.	-6678.8	1184.9	82.4	223.4	-5368.8	185961.3
	-6656.1	1664.5	77.0	-230.4	-4622.3	163565.8
340.	-6509.6	1097.0	82.4	223.4	-8870.1	234451.1
	-6486.9	1752.3	77.0	-230.4	-7895.0	236172.6

Asta	50	nod	36	82		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-6299.6	735.3	-184.4	-11.9	-34955.7	-93961.8
	-6551.8	355.9	-177.6	68.9	-33790.5	-84017.8
43.	-6130.4	691.2	-184.4	-11.9	-27119.4	-63647.3
	-6382.6	400.0	-177.6	68.9	-26241.6	-67956.3
85.	-5961.2	647.2	-184.4	-11.9	-19283.2	-35205.9
	-6213.4	444.0	-177.6	68.9	-18692.7	-50021.6
128.	-5792.0	603.1	-184.4	-11.9	-11447.0	-8637.6
	-6044.2	488.1	-177.6	68.9	-11143.8	-30213.9
170.	-5622.8	559.0	-184.4	-11.9	-3610.7	16057.7
	-5875.0	532.2	-177.6	68.9	-3594.9	-8533.1
213.	-5453.6	515.0	-184.4	-11.9	4225.5	38879.9
	-5705.8	576.2	-177.6	68.9	3954.0	15020.7
255.	-5284.4	470.9	-184.4	-11.9	12061.8	59829.0
	-5536.6	620.3	-177.6	68.9	11502.9	40447.7
298.	-5115.2	426.8	-184.4	-11.9	19898.0	78905.0
	-5367.4	664.4	-177.6	68.9	19051.8	67747.7
340.	-4946.0	382.7	-184.4	-11.9	27734.2	96108.0
	-5198.2	708.5	-177.6	68.9	26600.7	96920.8

Asta	51	nod	38	83		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-16038.0	187.7	-90.9	7.5	-14413.9	-30621.3

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43.	-16034.1	127.1	-91.3	49.5	-14448.0	-21054.0
	-15868.8	187.7	-90.9	7.5	-10549.1	-22643.1
	-15864.9	127.1	-91.3	49.5	-10569.0	-15653.7
85.	-15699.6	187.7	-90.9	7.5	-6684.3	-14664.8
	-15695.7	127.1	-91.3	49.5	-6689.9	-10253.4
128.	-15530.4	187.7	-90.9	7.5	-2819.6	-6686.6
	-15526.5	127.1	-91.3	49.5	-2810.9	-4853.2
170.	-15361.2	187.7	-90.9	7.5	1045.2	1291.6
	-15357.3	127.1	-91.3	49.5	1068.2	547.1
213.	-15192.0	187.7	-90.9	7.5	4910.0	9269.9
	-15188.1	127.1	-91.3	49.5	4947.3	5947.4
255.	-15022.8	187.7	-90.9	7.5	8774.8	17248.1
	-15018.9	127.1	-91.3	49.5	8826.3	11347.6
298.	-14853.6	187.7	-90.9	7.5	12639.6	25226.4
	-14849.7	127.1	-91.3	49.5	12705.4	16747.9
340.	-14684.4	187.7	-90.9	7.5	16504.3	33204.6
	-14680.5	127.1	-91.3	49.5	16584.5	22148.2
Asta	52	odi	40	84		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-7216.4	-612.1	-297.3	6.2	-54213.5	100505.9
	-6837.6	-640.7	-306.7	48.3	-55813.0	105464.9
43.	-7047.2	-612.1	-297.3	6.2	-41579.6	74490.5
	-6668.4	-640.7	-306.7	48.3	-42776.9	78235.2
85.	-6878.0	-612.1	-297.3	6.2	-28945.7	48475.1
	-6499.2	-640.7	-306.7	48.3	-29740.8	51005.5
128.	-6708.8	-612.1	-297.3	6.2	-16311.8	22459.7
	-6330.0	-640.7	-306.7	48.3	-16704.8	23775.8
170.	-6539.6	-612.1	-297.3	6.2	-3677.9	-3555.7
	-6160.8	-640.7	-306.7	48.3	-3668.7	-3453.9
213.	-6370.4	-612.1	-297.3	6.2	8956.0	-29571.1
	-5991.6	-640.7	-306.7	48.3	9367.4	-30683.6
255.	-6201.2	-612.1	-297.3	6.2	21589.9	-55586.4
	-5822.4	-640.7	-306.7	48.3	22403.4	-57913.3
298.	-6032.0	-612.1	-297.3	6.2	34223.8	-81601.8
	-5653.2	-640.7	-306.7	48.3	35439.5	-85143.0
340.	-5862.8	-612.1	-297.3	6.2	46857.7	-107617.2
	-5484.0	-640.7	-306.7	48.3	48475.5	-112372.6
Asta	53	odi	42	85		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-6977.1	634.0	-292.9	24.9	-52820.1	-104345.4
	-7359.1	605.4	-283.3	66.0	-51189.9	-99362.6
43.	-6807.9	634.0	-292.9	24.9	-40369.8	-77399.3
	-7189.9	605.4	-283.3	66.0	-39149.7	-73635.2
85.	-6638.6	634.0	-292.9	24.9	-27919.6	-50453.2
	-7020.7	605.4	-283.3	66.0	-27109.5	-47907.8
128.	-6469.4	634.0	-292.9	24.9	-15469.4	-23507.0
	-6851.5	605.4	-283.3	66.0	-15069.3	-22180.4
170.	-6300.2	634.0	-292.9	24.9	-3019.2	3439.1
	-6682.3	605.4	-283.3	66.0	-3029.2	3547.0
213.	-6131.0	634.0	-292.9	24.9	9431.0	30385.2
	-6513.1	605.4	-283.3	66.0	9011.0	29274.4
255.	-5961.8	634.0	-292.9	24.9	21881.3	57331.3
	-6343.9	605.4	-283.3	66.0	21051.2	55001.8
298.	-5792.6	634.0	-292.9	24.9	34331.5	84277.5
	-6174.6	605.4	-283.3	66.0	33091.4	80729.2
340.	-5623.4	634.0	-292.9	24.9	46781.7	111223.6
	-6005.4	605.4	-283.3	66.0	45131.6	106456.6
Asta	54	odi	44	86		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-15564.0	-238.3	-122.7	6.6	-20414.4	40163.7
	-15560.2	-299.3	-122.8	44.6	-20439.4	49758.5
43.	-15394.8	-238.3	-122.7	6.6	-15199.7	30036.4
	-15391.0	-299.3	-122.8	44.6	-15219.1	37036.4
85.	-15225.6	-238.3	-122.7	6.6	-9985.0	19909.0
	-15221.8	-299.3	-122.8	44.6	-9998.7	24314.3
128.	-15056.4	-238.3	-122.7	6.6	-4770.2	9781.6
	-15052.6	-299.3	-122.8	44.6	-4778.4	11592.2
170.	-14887.2	-238.3	-122.7	6.6	444.5	-345.8
	-14883.4	-299.3	-122.8	44.6	442.0	-1129.9
213.	-14718.0	-238.3	-122.7	6.6	5659.2	-10473.2
	-14714.2	-299.3	-122.8	44.6	5662.3	-13852.0
255.	-14548.8	-238.3	-122.7	6.6	10873.9	-20600.5
	-14545.0	-299.3	-122.8	44.6	10882.6	-26574.1
298.	-14379.6	-238.3	-122.7	6.6	16088.7	-30727.9
	-14375.8	-299.3	-122.8	44.6	16103.0	-39296.2
340.	-14210.4	-238.3	-122.7	6.6	21303.4	-40855.3
	-14206.6	-299.3	-122.8	44.6	21323.3	-52018.3
Asta	55	odi	46	87		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-6924.4	-390.3	-339.3	35.7	-68135.7	57802.4
	-6638.6	-415.3	-347.8	76.4	-69564.8	62141.2
43.	-6755.2	-390.3	-339.3	35.7	-53715.8	41213.4
	-6469.4	-415.3	-347.8	76.4	-54782.8	44490.2
85.	-6586.0	-390.3	-339.3	35.7	-39296.0	24624.3
	-6300.2	-415.3	-347.8	76.4	-40000.9	26839.2
128.	-6416.7	-390.3	-339.3	35.7	-24876.1	8035.3
	-6131.0	-415.3	-347.8	76.4	-25219.0	9188.2
170.	-6247.5	-390.3	-339.3	35.7	-10456.2	-8553.8
	-5961.8	-415.3	-347.8	76.4	-10437.0	-8462.8
213.	-6078.3	-390.3	-339.3	35.7	3963.7	-25142.8

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255.	-5792.6	-415.3	-347.8	76.4	4344.9	-26113.8
	-5909.1	-390.3	-339.3	35.7	18383.6	-41731.9
	-5623.4	-415.3	-347.8	76.4	19126.8	-43764.7
298.	-5739.9	-390.3	-339.3	35.7	32803.4	-58320.9
	-5454.2	-415.3	-347.8	76.4	33908.8	-61415.7
340.	-5570.7	-390.3	-339.3	35.7	47223.3	-74910.0
	-5285.0	-415.3	-347.8	76.4	48690.7	-79066.7
Asta	56	odi	48	88		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-8729.2	-392.5	25.4	582.1	1833.1	28747.9
	-8755.4	-440.3	29.3	629.3	2399.3	36257.0
43.	-8560.0	-392.5	25.4	582.1	755.6	12065.8
	-8586.2	-440.3	29.3	629.3	1154.6	17544.2
85.	-8390.8	-392.5	25.4	582.1	-321.9	-4616.3
	-8417.0	-440.3	29.3	629.3	-90.2	-1168.7
128.	-8221.6	-392.5	25.4	582.1	-1399.4	-21298.4
	-8247.8	-440.3	29.3	629.3	-1334.9	-19881.6
170.	-8052.4	-392.5	25.4	582.1	-2477.0	-37980.5
	-8078.6	-440.3	29.3	629.3	-2579.7	-38594.4
213.	-7883.2	-392.5	25.4	582.1	-3554.5	-54662.6
	-7909.4	-440.3	29.3	629.3	-3824.4	-57307.3
255.	-7714.0	-392.5	25.4	582.1	-4632.0	-71344.7
	-7740.2	-440.3	29.3	629.3	-5069.2	-76020.2
298.	-7544.8	-392.5	25.4	582.1	-5709.5	-88026.8
	-7571.0	-440.3	29.3	629.3	-6313.9	-94733.0
340.	-7375.6	-392.5	25.4	582.1	-6787.1	-104708.9
	-7401.8	-440.3	29.3	629.3	-7558.7	-113445.9
Asta	57	odi	50	89		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-12731.2	231.9	-39.4	86.3	16.6	-39883.4
	-12722.3	175.2	-38.7	130.8	113.9	-30636.5
43.	-12562.0	231.9	-39.4	86.3	1689.1	-30026.4
	-12553.1	175.2	-38.7	130.8	1757.3	-23191.3
85.	-12392.8	231.9	-39.4	86.3	3361.6	-20169.4
	-12383.9	175.2	-38.7	130.8	3400.8	-15746.1
128.	-12223.6	231.9	-39.4	86.3	5034.2	-10312.4
	-12214.7	175.2	-38.7	130.8	5044.3	-8300.9
170.	-12054.4	231.9	-39.4	86.3	6706.7	-455.5
	-12045.5	175.2	-38.7	130.8	6687.7	-855.7
213.	-11885.2	231.9	-39.4	86.3	8379.2	9401.5
	-11876.3	175.2	-38.7	130.8	8331.2	6589.5
255.	-11716.0	231.9	-39.4	86.3	10051.7	19258.5
	-11707.1	175.2	-38.7	130.8	9974.7	14034.7
298.	-11546.8	231.9	-39.4	86.3	11724.2	29115.5
	-11537.9	175.2	-38.7	130.8	11618.2	21479.9
340.	-11377.6	231.9	-39.4	86.3	13396.8	38972.5
	-11368.7	175.2	-38.7	130.8	13261.6	28925.1
Asta	58	odi	52	90		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-12830.4	-173.4	-41.8	-66.9	-2036.0	29574.5
	-12839.8	-230.0	-42.3	-28.6	-2112.6	38792.3
43.	-12661.2	-173.4	-41.8	-66.9	-259.3	22203.7
	-12670.6	-230.0	-42.3	-28.6	-313.2	29015.2
85.	-12492.0	-173.4	-41.8	-66.9	1517.4	14832.9
	-12501.4	-230.0	-42.3	-28.6	1486.1	19238.1
128.	-12322.8	-173.4	-41.8	-66.9	3294.1	7462.1
	-12332.2	-230.0	-42.3	-28.6	3285.5	9461.0
170.	-12153.6	-173.4	-41.8	-66.9	5070.9	91.3
	-12163.0	-230.0	-42.3	-28.6	5084.8	-316.1
213.	-11984.4	-173.4	-41.8	-66.9	6847.6	-7279.5
	-11993.8	-230.0	-42.3	-28.6	6884.2	-10093.1
255.	-11815.2	-173.4	-41.8	-66.9	8624.3	-14650.3
	-11824.6	-230.0	-42.3	-28.6	8683.5	-19870.2
298.	-11646.0	-173.4	-41.8	-66.9	10401.0	-22021.1
	-11655.4	-230.0	-42.3	-28.6	10482.9	-29647.3
340.	-11476.8	-173.4	-41.8	-66.9	12177.8	-29391.9
	-11486.2	-230.0	-42.3	-28.6	12282.2	-39424.4
Asta	59	odi	54	91		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-11106.2	0.8	-11.4	-36.5	4592.5	-1257.0
	-11091.8	-59.8	-11.9	115.0	4534.3	8816.9
43.	-10937.0	0.8	-11.4	-36.5	5077.4	-1223.7
	-10922.6	-59.8	-11.9	115.0	5040.6	6274.4
85.	-10767.8	0.8	-11.4	-36.5	5562.4	-1190.5
	-10753.4	-59.8	-11.9	115.0	5546.8	3731.9
128.	-10598.6	0.8	-11.4	-36.5	6047.3	-1157.2
	-10584.2	-59.8	-11.9	115.0	6053.1	1189.4
170.	-10429.4	0.8	-11.4	-36.5	6532.2	-1124.0
	-10415.0	-59.8	-11.9	115.0	6559.3	-1353.1
213.	-10260.1	0.8	-11.4	-36.5	7017.1	-1090.7
	-10245.8	-59.8	-11.9	115.0	7065.5	-3895.6
255.	-10090.9	0.8	-11.4	-36.5	7502.0	-1057.5
	-10076.6	-59.8	-11.9	115.0	7571.8	-6438.1
298.	-9921.7	0.8	-11.4	-36.5	7986.9	-1024.2
	-9907.4	-59.8	-11.9	115.0	8078.0	-8980.6
340.	-9752.5	0.8	-11.4	-36.5	8471.8	-991.0
	-9738.2	-59.8	-11.9	115.0	8584.3	-11523.1
Asta	60	odi	56	92		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ

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0.	-15872.1	-1528.2	19.4	553.9	-1916.9	247535.0
	-15784.1	-1586.6	20.2	601.0	-1787.7	256953.5
43.	-15702.9	-1528.2	19.4	553.9	-2743.1	182588.1
	-15614.9	-1586.6	20.2	601.0	-2645.4	189523.2
85.	-15533.7	-1528.2	19.4	553.9	-3569.4	117641.2
	-15445.7	-1586.6	20.2	601.0	-3503.1	122092.9
128.	-15364.5	-1528.2	19.4	553.9	-4395.7	52694.2
	-15276.5	-1586.6	20.2	601.0	-4360.8	54662.7
170.	-15195.3	-1528.2	19.4	553.9	-5221.9	-12252.7
	-15107.3	-1586.6	20.2	601.0	-5218.5	-12767.6
213.	-15026.1	-1528.2	19.4	553.9	-6048.2	-77199.6
	-14938.1	-1586.6	20.2	601.0	-6076.2	-80197.8
255.	-14856.9	-1528.2	19.4	553.9	-6874.4	-142146.5
	-14768.9	-1586.6	20.2	601.0	-6933.9	-147628.1
298.	-14687.7	-1528.2	19.4	553.9	-7700.7	-207093.5
	-14599.7	-1586.6	20.2	601.0	-7791.7	-215058.3
340.	-14518.5	-1528.2	19.4	553.9	-8527.0	-272040.4
	-14430.5	-1586.6	20.2	601.0	-8649.4	-282488.6
Asta	61	odi	58	93		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-5952.2	-138.2	223.8	12.5	34777.9	22436.0
	-5942.7	-161.8	223.7	49.9	34759.3	26596.1
43.	-5783.0	-138.2	223.8	12.5	25264.4	16563.4
	-5773.5	-161.8	223.7	49.9	25251.0	19720.4
85.	-5613.8	-138.2	223.8	12.5	15751.0	10690.9
	-5604.3	-161.8	223.7	49.9	15742.7	12844.7
128.	-5444.5	-138.2	223.8	12.5	6237.6	4818.3
	-5435.1	-161.8	223.7	49.9	6234.3	5969.0
170.	-5275.3	-138.2	223.8	12.5	-3275.9	-1054.3
	-5265.9	-161.8	223.7	49.9	-3274.0	-906.7
213.	-5106.1	-138.2	223.8	12.5	-12789.3	-6926.8
	-5096.7	-161.8	223.7	49.9	-12782.3	-7782.4
255.	-4936.9	-138.2	223.8	12.5	-22302.8	-12799.4
	-4927.5	-161.8	223.7	49.9	-22290.7	-14658.2
298.	-4767.7	-138.2	223.8	12.5	-31816.2	-18671.9
	-4758.3	-161.8	223.7	49.9	-31799.0	-21533.9
340.	-4598.5	-138.2	223.8	12.5	-41329.7	-24544.5
	-4589.1	-161.8	223.7	49.9	-41307.3	-28409.6
Asta	62	odi	60	94		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-15161.9	-30.7	57.2	21.8	7062.3	8440.8
	-15142.5	-96.4	57.1	57.1	7056.1	19015.3
43.	-14992.7	-30.7	57.2	21.8	4629.9	7136.0
	-14973.2	-96.4	57.1	57.1	4630.2	14918.4
85.	-14823.5	-30.7	57.2	21.8	2197.4	5831.1
	-14804.0	-96.4	57.1	57.1	2204.2	10821.5
128.	-14654.3	-30.7	57.2	21.8	-235.0	4526.3
	-14634.8	-96.4	57.1	57.1	-221.7	6724.6
170.	-14485.1	-30.7	57.2	21.8	-2667.4	3221.5
	-14465.6	-96.4	57.1	57.1	-2647.6	2627.7
213.	-14315.9	-30.7	57.2	21.8	-5099.9	1916.6
	-14296.4	-96.4	57.1	57.1	-5073.5	-1469.2
255.	-14146.7	-30.7	57.2	21.8	-7532.3	611.8
	-14127.2	-96.4	57.1	57.1	-7499.4	-5566.1
298.	-13977.5	-30.7	57.2	21.8	-9964.7	-693.0
	-13958.0	-96.4	57.1	57.1	-9925.3	-9663.0
340.	-13808.3	-30.7	57.2	21.8	-12397.2	-1997.9
	-13788.8	-96.4	57.1	57.1	-12351.3	-13759.9
Asta	63	odi	62	95		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-11249.4	148.7	37.2	6.6	4978.7	-25866.4
	-11254.5	84.7	36.7	54.3	4928.7	-15346.1
43.	-11080.2	148.7	37.2	6.6	3396.9	-19544.9
	-11085.3	84.7	36.7	54.3	3370.0	-11748.4
85.	-10911.0	148.7	37.2	6.6	1815.1	-13223.4
	-10916.1	84.7	36.7	54.3	1811.2	-8150.8
128.	-10741.8	148.7	37.2	6.6	233.2	-6901.8
	-10746.9	84.7	36.7	54.3	252.5	-4553.2
170.	-10572.6	148.7	37.2	6.6	-1348.6	-580.3
	-10577.7	84.7	36.7	54.3	-1306.3	-955.5
213.	-10403.4	148.7	37.2	6.6	-2930.4	5741.2
	-10408.5	84.7	36.7	54.3	-2865.0	2642.1
255.	-10234.2	148.7	37.2	6.6	-4512.2	12062.8
	-10239.2	84.7	36.7	54.3	-4423.8	6239.8
298.	-10065.0	148.7	37.2	6.6	-6094.1	18384.3
	-10070.0	84.7	36.7	54.3	-5982.5	9837.4
340.	-9895.8	148.7	37.2	6.6	-7675.9	24705.9
	-9900.8	84.7	36.7	54.3	-7541.3	13435.0
Asta	64	odi	64	96		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-11851.1	351.8	92.8	-10.4	16994.0	-56536.1
	-11860.6	294.3	90.8	35.1	16733.1	-47170.3
43.	-11681.9	351.8	92.8	-10.4	13051.1	-41586.2
	-11691.4	294.3	90.8	35.1	12873.0	-34663.3
85.	-11512.7	351.8	92.8	-10.4	9108.1	-26636.3
	-11522.2	294.3	90.8	35.1	9012.9	-22156.3
128.	-11343.5	351.8	92.8	-10.4	5165.1	-11686.4
	-11353.0	294.3	90.8	35.1	5152.8	-9649.3
170.	-11174.3	351.8	92.8	-10.4	1222.1	3263.5
	-11183.8	294.3	90.8	35.1	1292.7	2857.8

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213.	-11005.1	351.8	92.8	-10.4	-2720.9	18213.4
	-11014.6	294.3	90.8	35.1	-2567.4	15364.8
255.	-10835.9	351.8	92.8	-10.4	-6663.9	33163.3
	-10845.4	294.3	90.8	35.1	-6427.6	27871.8
298.	-10666.7	351.8	92.8	-10.4	-10606.9	48113.1
	-10676.2	294.3	90.8	35.1	-10287.7	40378.9
340.	-10497.5	351.8	92.8	-10.4	-14549.8	63063.0
	-10507.0	294.3	90.8	35.1	-14147.8	52885.9
Asta	65	nodì	92	97		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3006.8	-762.9	4.3	-824.5	2049.5	207763.0
	-3010.2	-762.2	4.3	-828.9	2061.1	206971.4
40.	-2847.6	-762.9	4.3	-824.5	1878.5	177247.8
	-2850.9	-762.2	4.3	-828.9	1889.0	176483.2
80.	-2688.3	-762.9	4.3	-824.5	1707.5	146732.6
	-2691.7	-762.2	4.3	-828.9	1717.0	145995.0
120.	-2529.1	-762.9	4.3	-824.5	1536.5	116217.4
	-2532.4	-762.2	4.3	-828.9	1544.9	115506.8
160.	-2369.8	-762.9	4.3	-824.5	1365.5	85702.2
	-2373.2	-762.2	4.3	-828.9	1372.8	85018.6
200.	-2210.6	-762.9	4.3	-824.5	1194.5	55187.0
	-2213.9	-762.2	4.3	-828.9	1200.8	54530.5
240.	-2051.3	-762.9	4.3	-824.5	1023.5	24671.8
	-2054.7	-762.2	4.3	-828.9	1028.7	24042.3
280.	-1892.1	-762.9	4.3	-824.5	852.5	-5843.4
	-1895.4	-762.2	4.3	-828.9	856.6	-6445.9
320.	-1732.8	-762.9	4.3	-824.5	681.6	-36358.7
	-1736.2	-762.2	4.3	-828.9	684.6	-36934.1
Asta	66	nodì	77	98		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1790.7	166.1	-1.6	-1002.3	-594.9	-43538.6
	-1787.9	164.2	-1.6	-1005.5	-606.7	-43531.7
40.	-1631.5	166.1	-1.6	-1002.3	-531.7	-36893.7
	-1628.7	164.2	-1.6	-1005.5	-542.2	-36962.7
80.	-1472.2	166.1	-1.6	-1002.3	-468.5	-30248.8
	-1469.4	164.2	-1.6	-1005.5	-477.7	-30393.6
120.	-1313.0	166.1	-1.6	-1002.3	-405.3	-23603.8
	-1310.2	164.2	-1.6	-1005.5	-413.1	-23824.6
160.	-1153.7	166.1	-1.6	-1002.3	-342.1	-16958.9
	-1150.9	164.2	-1.6	-1005.5	-348.6	-17255.6
200.	-994.5	166.1	-1.6	-1002.3	-278.9	-10314.0
	-991.7	164.2	-1.6	-1005.5	-284.1	-10686.6
240.	-835.2	166.1	-1.6	-1002.3	-215.8	-3669.1
	-832.4	164.2	-1.6	-1005.5	-219.5	-4117.5
280.	-676.0	166.1	-1.6	-1002.3	-152.6	2975.9
	-673.2	164.2	-1.6	-1005.5	-155.0	2451.5
320.	-516.7	166.1	-1.6	-1002.3	-89.4	9620.8
	-513.9	164.2	-1.6	-1005.5	-90.5	9020.5
Asta	67	nodì	76	99		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2360.8	596.8	-2.7	-594.5	-1454.6	-128492.2
	-2360.2	598.0	-2.7	-594.4	-1454.4	-129110.2
40.	-2201.5	596.8	-2.7	-594.5	-1346.8	-104621.9
	-2200.9	598.0	-2.7	-594.4	-1346.8	-105191.0
80.	-2042.3	596.8	-2.7	-594.5	-1239.0	-80751.6
	-2041.7	598.0	-2.7	-594.4	-1239.3	-81271.9
120.	-1883.0	596.8	-2.7	-594.5	-1131.2	-56881.3
	-1882.4	598.0	-2.7	-594.4	-1131.8	-57352.7
160.	-1723.8	596.8	-2.7	-594.5	-1023.4	-33011.1
	-1723.2	598.0	-2.7	-594.4	-1024.2	-33433.5
200.	-1564.5	596.8	-2.7	-594.5	-915.6	-9140.8
	-1563.9	598.0	-2.7	-594.4	-916.7	-9514.4
240.	-1405.3	596.8	-2.7	-594.5	-807.8	14729.5
	-1404.7	598.0	-2.7	-594.4	-809.2	14404.8
280.	-1246.0	596.8	-2.7	-594.5	-700.0	38599.8
	-1245.4	598.0	-2.7	-594.4	-701.7	38323.9
320.	-1086.8	596.8	-2.7	-594.5	-592.2	62470.1
	-1086.2	598.0	-2.7	-594.4	-594.1	62243.1
Asta	68	nodì	70	100		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2408.3	935.9	0.1	-235.6	194.6	-90963.3
	-2290.4	-86.3	1.2	456.7	399.4	-44015.9
40.	-2249.0	833.2	0.1	-235.6	189.7	-55580.9
	-2131.2	16.5	1.2	456.7	351.9	-45412.9
80.	-2089.8	730.4	0.1	-235.6	184.8	-24309.0
	-1971.9	119.2	1.2	456.7	304.4	-42699.6
120.	-1930.5	627.7	0.1	-235.6	180.0	2852.6
	-1812.7	222.0	1.2	456.7	256.8	-35875.8
160.	-1771.3	524.9	0.1	-235.6	175.1	25903.9
	-1653.4	324.7	1.2	456.7	209.3	-24941.8
200.	-1612.0	422.1	0.1	-235.6	170.2	44844.7
	-1494.2	427.5	1.2	456.7	161.8	-9897.3
240.	-1452.8	319.4	0.1	-235.6	165.3	59675.2
	-1334.9	530.2	1.2	456.7	114.3	9257.4
280.	-1293.5	216.6	0.1	-235.6	160.4	70395.4
	-1175.7	633.0	1.2	456.7	66.7	32522.6
320.	-1134.3	113.9	0.1	-235.6	155.6	77005.2
	-1016.4	735.8	1.2	456.7	19.2	59898.1
Asta	69	nodì	71	101		

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PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1791.6	412.1	0.4	337.9	88.7	-70807.2
	-1786.4	190.4	-0.3	-34.6	-12.9	-31434.8
40.	-1632.3	412.1	0.4	337.9	74.2	-54321.6
	-1627.2	190.4	-0.3	-34.6	-0.8	-23820.2
80.	-1473.1	412.1	0.4	337.9	59.7	-37836.0
	-1467.9	190.4	-0.3	-34.6	11.4	-16205.6
120.	-1313.8	412.1	0.4	337.9	45.3	-21350.4
	-1308.7	190.4	-0.3	-34.6	23.6	-8591.0
160.	-1154.6	412.1	0.4	337.9	30.8	-4864.8
	-1149.4	190.4	-0.3	-34.6	35.7	-976.3
200.	-995.3	412.1	0.4	337.9	16.3	11620.8
	-990.2	190.4	-0.3	-34.6	47.9	6638.3
240.	-836.1	412.1	0.4	337.9	1.9	28106.4
	-830.9	190.4	-0.3	-34.6	60.1	14252.9
280.	-676.8	412.1	0.4	337.9	-12.6	44592.0
	-671.7	190.4	-0.3	-34.6	72.2	21867.5
320.	-517.6	412.1	0.4	337.9	-27.1	61077.6
	-512.4	190.4	-0.3	-34.6	84.4	29482.1
Asta	70	nod	72	102		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2179.5	-31.7	-0.2	76.2	-115.0	-215.9
	-2190.9	-249.5	-0.5	191.2	-168.8	38307.2
40.	-2020.3	-31.7	-0.2	76.2	-106.1	-1484.4
	-2031.6	-249.5	-0.5	191.2	-149.4	28327.9
80.	-1861.0	-31.7	-0.2	76.2	-97.1	-2752.9
	-1872.4	-249.5	-0.5	191.2	-130.0	18348.6
120.	-1701.8	-31.7	-0.2	76.2	-88.1	-4021.4
	-1713.1	-249.5	-0.5	191.2	-110.5	8369.3
160.	-1542.5	-31.7	-0.2	76.2	-79.2	-5289.9
	-1553.9	-249.5	-0.5	191.2	-91.1	-1609.9
200.	-1383.3	-31.7	-0.2	76.2	-70.2	-6558.4
	-1394.6	-249.5	-0.5	191.2	-71.7	-11589.2
240.	-1224.0	-31.7	-0.2	76.2	-61.3	-7826.9
	-1235.4	-249.5	-0.5	191.2	-52.2	-21568.5
280.	-1064.8	-31.7	-0.2	76.2	-52.3	-9095.4
	-1076.1	-249.5	-0.5	191.2	-32.8	-31547.8
320.	-905.5	-31.7	-0.2	76.2	-43.3	-10363.9
	-916.9	-249.5	-0.5	191.2	-13.4	-41527.1
Asta	71	nod	73	103		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2182.2	-494.3	-0.3	70.0	-168.3	114735.0
	-2293.9	-676.7	-0.4	80.4	-217.7	150984.2
40.	-2023.0	-494.3	-0.3	70.0	-157.9	94963.3
	-2134.7	-676.7	-0.4	80.4	-201.7	123918.2
80.	-1863.7	-494.3	-0.3	70.0	-147.5	75191.6
	-1975.4	-676.7	-0.4	80.4	-185.8	96852.2
120.	-1704.5	-494.3	-0.3	70.0	-137.1	55419.9
	-1816.2	-676.7	-0.4	80.4	-169.9	69786.2
160.	-1545.2	-494.3	-0.3	70.0	-126.7	35648.2
	-1656.9	-676.7	-0.4	80.4	-154.0	42720.1
200.	-1386.0	-494.3	-0.3	70.0	-116.3	15876.5
	-1497.7	-676.7	-0.4	80.4	-138.0	15654.1
240.	-1226.7	-494.3	-0.3	70.0	-105.9	-3895.2
	-1338.4	-676.7	-0.4	80.4	-122.1	-11411.9
280.	-1067.5	-494.3	-0.3	70.0	-95.5	-23666.9
	-1179.2	-676.7	-0.4	80.4	-106.2	-38478.0
320.	-908.2	-494.3	-0.3	70.0	-85.1	-43438.6
	-1019.9	-676.7	-0.4	80.4	-90.2	-65544.0
Asta	72	nod	63	9		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-22.9	6002.8	-16.2	-32961.7	-264.5	-192045.0
	-26.7	6065.2	29.4	-32815.9	2623.8	-198385.9
34.	-22.9	4285.9	-16.2	-32961.7	290.3	-15851.0
	-26.7	4348.3	29.4	-32815.9	1615.4	-20054.2
69.	-22.9	2569.1	-16.2	-32961.7	845.0	101540.7
	-26.7	2631.5	29.4	-32815.9	607.1	99475.3
103.	-22.9	852.2	-16.2	-32961.7	1399.8	160130.2
	-26.7	914.6	29.4	-32815.9	-401.3	160202.6
137.	-22.9	-864.6	-16.2	-32961.7	1954.5	159917.4
	-26.7	-802.2	29.4	-32815.9	-1409.7	162127.6
171.	-22.9	-2581.5	-16.2	-32961.7	2509.3	100902.5
	-26.7	-2519.1	29.4	-32815.9	-2418.0	105250.4
206.	-22.9	-4298.3	-16.2	-32961.7	3064.0	-16914.7
	-26.7	-4235.9	29.4	-32815.9	-3426.4	-10429.0
240.	-22.9	-6015.2	-16.2	-32961.7	3618.7	-193534.1
	-26.7	-5952.8	29.4	-32815.9	-4434.8	-184910.6
274.	-22.9	-7732.1	-16.2	-32961.7	4173.5	-428955.7
	-26.7	-7669.6	29.4	-32815.9	-5443.1	-418194.5
Asta	73	nod	1	3		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-17.9	9948.8	0.0	20292.4	-47.7	-630259.6
	-16.6	9996.0	-0.2	20339.5	-79.2	-640735.9
50.	-17.9	7464.4	0.0	20292.4	-46.5	-198738.8
	-16.6	7511.6	-0.2	20339.5	-69.6	-206877.0
99.	-17.9	4980.0	0.0	20292.4	-45.3	109647.7
	-16.6	5027.1	-0.2	20339.5	-60.0	103847.5
149.	-17.9	2495.5	0.0	20292.4	-44.1	294900.0
	-16.6	2542.7	-0.2	20339.5	-50.4	291437.8
198.	-17.9	11.1	0.0	20292.4	-42.9	357018.0

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248.	-16.6	58.3	-0.2	20339.5	-40.8	355893.8
	-17.9	-2473.3	0.0	20292.4	-41.6	296001.6
	-16.6	-2426.1	-0.2	20339.5	-31.2	297215.5
297.	-17.9	-4957.7	0.0	20292.4	-40.4	111851.0
	-16.6	-4910.6	-0.2	20339.5	-21.6	115402.9
347.	-17.9	-7442.2	0.0	20292.4	-39.2	-195433.8
	-16.6	-7395.0	-0.2	20339.5	-12.0	-189543.9
397.	-17.9	-9926.6	0.0	20292.4	-38.0	-625853.0
	-16.6	-9879.4	-0.2	20339.5	-2.3	-617625.1
Asta	74	odi	3	5		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-8.4	9737.1	0.0	-4859.2	9.8	-612504.2
	-7.8	9792.7	0.0	-4888.5	4.6	-622921.6
50.	-8.4	7230.7	0.0	-4859.2	11.0	-188307.9
	-7.8	7286.3	0.0	-4888.5	2.4	-195946.1
100.	-8.4	4724.4	0.0	-4859.2	12.2	110570.6
	-7.8	4780.0	0.0	-4888.5	0.1	105711.7
150.	-8.4	2218.0	0.0	-4859.2	13.4	284131.3
	-7.8	2273.6	0.0	-4888.5	-2.1	282051.7
200.	-8.4	-288.3	0.0	-4859.2	14.5	332374.4
	-7.8	-232.7	0.0	-4888.5	-4.4	333074.0
250.	-8.4	-2794.7	0.0	-4859.2	15.7	255299.6
	-7.8	-2739.1	0.0	-4888.5	-6.6	258778.5
300.	-8.4	-5301.0	0.0	-4859.2	16.9	52907.1
	-7.8	-5245.4	0.0	-4888.5	-8.9	59165.2
350.	-8.4	-7807.4	0.0	-4859.2	18.1	-274803.1
	-7.8	-7751.8	0.0	-4888.5	-11.1	-265765.7
400.	-8.4	-10313.7	0.0	-4859.2	19.3	-727831.1
	-7.8	-10258.2	0.0	-4888.5	-13.4	-716014.5
Asta	75	odi	5	7		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-4.0	10488.5	1.3	6316.1	177.9	-736795.6
	-3.2	10540.3	1.2	6256.3	197.6	-748093.7
50.	-4.0	7966.5	1.3	6316.1	114.5	-272537.6
	-3.2	8018.3	1.2	6256.3	136.3	-281230.6
101.	-4.0	5444.5	1.3	6316.1	51.2	64831.2
	-3.2	5496.2	1.2	6256.3	74.9	58743.4
151.	-4.0	2922.4	1.3	6316.1	-12.2	275310.9
	-3.2	2974.2	1.2	6256.3	13.6	271828.4
201.	-4.0	400.4	1.3	6316.1	-75.6	358901.5
	-3.2	452.2	1.2	6256.3	-47.7	358024.2
252.	-4.0	-2121.6	1.3	6316.1	-138.9	315602.9
	-3.2	-2069.8	1.2	6256.3	-109.1	317330.8
302.	-4.0	-4643.6	1.3	6316.1	-202.3	145415.3
	-3.2	-4591.8	1.2	6256.3	-170.4	149748.4
352.	-4.0	-7165.6	1.3	6316.1	-265.7	-151661.5
	-3.2	-7113.9	1.2	6256.3	-231.7	-144723.2
403.	-4.0	-9687.7	1.3	6316.1	-329.1	-575627.4
	-3.2	-9635.9	1.2	6256.3	-293.1	-566083.8
Asta	76	odi	7	57		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	4.2	7240.8	0.1	-8555.1	77.0	-377794.0
	2.5	7321.0	0.2	-8569.0	46.2	-388516.7
37.	4.2	5386.1	0.1	-8555.1	73.6	-144195.1
	2.5	5466.3	0.2	-8569.0	39.3	-151953.2
74.	4.2	3531.4	0.1	-8555.1	70.3	20779.9
	2.5	3611.6	0.2	-8569.0	32.4	15986.3
111.	4.2	1676.7	0.1	-8555.1	66.9	117130.9
	2.5	1756.9	0.2	-8569.0	25.5	115301.8
148.	4.2	-178.0	0.1	-8555.1	63.5	144857.8
	2.5	-97.9	0.2	-8569.0	18.5	145993.3
185.	4.2	-2032.7	0.1	-8555.1	60.2	103960.8
	2.5	-1952.6	0.2	-8569.0	11.6	108060.8
222.	4.2	-3887.4	0.1	-8555.1	56.8	-5560.3
	2.5	-3807.3	0.2	-8569.0	4.7	1504.4
259.	4.2	-5742.1	0.1	-8555.1	53.5	-183705.3
	2.5	-5662.0	0.2	-8569.0	-2.2	-173676.1
296.	4.2	-7596.8	0.1	-8555.1	50.1	-430474.4
	2.5	-7516.7	0.2	-8569.0	-9.1	-417480.6
Asta	77	odi	57	59		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	6.7	9610.0	-2.9	7529.2	-327.2	-646400.3
	5.2	9666.4	-3.1	7498.4	-312.2	-657652.0
44.	6.7	7382.5	-2.9	7529.2	-198.5	-268848.2
	5.2	7438.9	-3.1	7498.4	-174.3	-277593.5
89.	6.7	5155.0	-2.9	7529.2	-69.7	9718.3
	5.2	5211.4	-3.1	7498.4	-36.4	3479.5
133.	6.7	2927.4	-2.9	7529.2	59.0	189299.2
	5.2	2983.8	-3.1	7498.4	101.4	185566.8
178.	6.7	699.9	-2.9	7529.2	187.7	269894.6
	5.2	756.3	-3.1	7498.4	239.3	268668.7
222.	6.7	-1527.6	-2.9	7529.2	316.5	251504.5
	5.2	-1471.2	-3.1	7498.4	377.2	252784.9
267.	6.7	-3755.1	-2.9	7529.2	445.2	134128.8
	5.2	-3698.7	-3.1	7498.4	515.1	137915.7
311.	6.7	-5982.7	-2.9	7529.2	574.0	-82232.5
	5.2	-5926.2	-3.1	7498.4	652.9	-75939.2
356.	6.7	-8210.2	-2.9	7529.2	702.7	-397579.3
	5.2	-8153.8	-3.1	7498.4	790.8	-388779.6

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Asta	78	nod	59	61		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.6	7994.5	-6.0	-1.8	-1055.2	-436410.4
	-5.9	8084.3	-4.5	-66.0	-996.3	-450030.5
37.	-1.6	6136.7	-6.0	-1.8	-834.2	-174541.1
	-5.9	6226.5	-4.5	-66.0	-827.9	-184833.6
74.	-1.6	4278.9	-6.0	-1.8	-613.2	18472.2
	-5.9	4368.6	-4.5	-66.0	-659.5	11507.3
111.	-1.6	2421.0	-6.0	-1.8	-392.1	142629.5
	-5.9	2510.8	-4.5	-66.0	-491.1	138992.2
148.	-1.6	563.2	-6.0	-1.8	-171.1	197930.8
	-5.9	653.0	-4.5	-66.0	-322.7	197621.0
185.	-1.6	-1294.6	-6.0	-1.8	49.9	184376.0
	-5.9	-1204.9	-4.5	-66.0	-154.3	187393.7
222.	-1.6	-3152.5	-6.0	-1.8	270.9	101965.2
	-5.9	-3062.7	-4.5	-66.0	14.2	108310.5
259.	-1.6	-5010.3	-6.0	-1.8	491.9	-49301.7
	-5.9	-4920.5	-4.5	-66.0	182.6	-39628.8
297.	-1.6	-6868.2	-6.0	-1.8	712.9	-269424.5
	-5.9	-6778.4	-4.5	-66.0	351.0	-256424.1
Asta	79	nod	61	63		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	4.0	6021.5	11.1	-3478.9	763.6	-190003.1
	-1.7	6113.3	1.4	-3510.8	175.4	-201579.1
34.	4.0	4336.0	11.1	-3478.9	389.5	-15867.3
	-1.7	4427.8	1.4	-3510.8	127.2	-24357.5
67.	4.0	2650.5	11.1	-3478.9	15.4	101592.7
	-1.7	2742.2	1.4	-3510.8	79.0	96188.3
101.	4.0	965.0	11.1	-3478.9	-358.7	162377.0
	-1.7	1056.7	1.4	-3510.8	30.8	160058.4
135.	4.0	-720.6	11.1	-3478.9	-732.8	166485.6
	-1.7	-628.8	1.4	-3510.8	-17.4	167252.8
168.	4.0	-2406.1	11.1	-3478.9	-1106.9	113918.4
	-1.7	-2314.3	1.4	-3510.8	-65.6	117771.4
202.	4.0	-4091.6	11.1	-3478.9	-1481.0	4675.5
	-1.7	-3999.9	1.4	-3510.8	-113.8	11614.3
235.	4.0	-5777.1	11.1	-3478.9	-1855.1	-161243.1
	-1.7	-5685.4	1.4	-3510.8	-162.0	-151218.6
269.	4.0	-7462.7	11.1	-3478.9	-2229.2	-383837.5
	-1.7	-7370.9	1.4	-3510.8	-210.2	-370727.1
Asta	80	nod	49	31		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-10.2	4407.4	-25.1	-6940.1	-5234.9	-188533.0
	-11.7	4465.1	-24.7	-7118.0	-5208.4	-197517.4
39.	-10.2	3062.8	-25.1	-6940.1	-4256.0	-43097.3
	-11.7	3120.5	-24.7	-7118.0	-4248.6	-49834.5
78.	-10.2	1718.3	-25.1	-6940.1	-3277.0	49984.7
	-11.7	1776.0	-24.7	-7118.0	-3288.7	45494.6
117.	-10.2	373.7	-25.1	-6940.1	-2298.0	90712.9
	-11.7	431.4	-24.7	-7118.0	-2328.8	88469.9
156.	-10.2	-970.8	-25.1	-6940.1	-1319.0	79087.3
	-11.7	-913.1	-24.7	-7118.0	-1368.9	79091.5
195.	-10.2	-2315.4	-25.1	-6940.1	-340.0	15108.0
	-11.7	-2257.7	-24.7	-7118.0	-409.1	17359.4
234.	-10.2	-3660.0	-25.1	-6940.1	639.0	-101225.0
	-11.7	-3602.3	-24.7	-7118.0	550.8	-96726.5
273.	-10.2	-5004.5	-25.1	-6940.1	1617.9	-269911.8
	-11.7	-4946.8	-24.7	-7118.0	1510.7	-263166.1
312.	-10.2	-6349.1	-25.1	-6940.1	2596.9	-490952.4
	-11.7	-6291.4	-24.7	-7118.0	2470.5	-481959.5
Asta	81	nod	51	49		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-10.1	5659.1	0.5	-67.6	2639.9	-286970.0
	-10.9	5727.4	0.3	-147.5	2606.3	-298190.6
41.	-10.1	4243.3	0.5	-67.6	2618.2	-83971.6
	-10.9	4311.6	0.3	-147.5	2594.9	-92390.5
82.	-10.1	2827.5	0.5	-67.6	2596.6	60979.8
	-10.9	2895.8	0.3	-147.5	2583.5	55362.6
123.	-10.1	1411.7	0.5	-67.6	2575.0	147884.3
	-10.9	1480.1	0.3	-147.5	2572.2	145068.8
164.	-10.1	-4.0	0.5	-67.6	2553.4	176741.9
	-10.9	64.3	0.3	-147.5	2560.8	176728.0
205.	-10.1	-1419.8	0.5	-67.6	2531.7	147552.5
	-10.9	-1351.5	0.3	-147.5	2549.5	150340.3
246.	-10.1	-2835.6	0.5	-67.6	2510.1	60316.1
	-10.9	-2767.3	0.3	-147.5	2538.1	65905.6
287.	-10.1	-4251.4	0.5	-67.6	2488.5	-84967.1
	-10.9	-4183.1	0.3	-147.5	2526.7	-76576.0
328.	-10.1	-5667.2	0.5	-67.6	2466.8	-288297.4
	-10.9	-5598.8	0.3	-147.5	2515.4	-277104.5
Asta	82	nod	29	51		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.3	6030.1	26.2	5214.8	2649.9	-428187.7
	-0.5	6086.4	26.2	5055.6	2648.0	-436628.9
38.	-0.3	4702.8	26.2	5214.8	1641.8	-221913.4
	-0.5	4759.1	26.2	5055.6	1641.5	-228193.7
77.	-0.3	3375.5	26.2	5214.8	633.7	-66656.9
	-0.5	3431.8	26.2	5055.6	635.1	-70776.2
115.	-0.3	2048.3	26.2	5214.8	-374.5	37581.8
	-0.5	2104.5	26.2	5055.6	-371.4	35623.4

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154.	-0.3	721.0	26.2	5214.8	-1382.6	90802.7
	-0.5	777.2	26.2	5055.6	-1377.8	91005.1
192.	-0.3	-606.3	26.2	5214.8	-2390.7	93005.7
	-0.5	-550.1	26.2	5055.6	-2384.3	95369.1
231.	-0.3	-1933.6	26.2	5214.8	-3398.8	44190.9
	-0.5	-1877.4	26.2	5055.6	-3390.7	48715.2
269.	-0.3	-3260.9	26.2	5214.8	-4407.0	-55641.7
	-0.5	-3204.7	26.2	5055.6	-4397.2	-48956.5
308.	-0.3	-4588.2	26.2	5214.8	-5415.1	-206492.1
	-0.5	-4532.0	26.2	5055.6	-5403.6	-197646.0
Asta	83	odi	37	35		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3.6	7856.3	1.6	6140.6	-82.3	-546737.7
	-6.5	7906.0	-3.4	6018.9	-585.2	-555979.0
53.	-3.6	5913.6	1.6	6140.6	-164.5	-183988.6
	-6.5	5963.3	-3.4	6018.9	-407.1	-190611.4
105.	-3.6	3970.9	1.6	6140.6	-246.7	76405.1
	-6.5	4020.6	-3.4	6018.9	-229.0	72400.7
158.	-3.6	2028.2	1.6	6140.6	-329.0	234443.4
	-6.5	2077.9	-3.4	6018.9	-50.9	233057.5
211.	-3.6	85.5	1.6	6140.6	-411.2	290126.3
	-6.5	135.2	-3.4	6018.9	127.3	291358.9
263.	-3.6	-1857.2	1.6	6140.6	-493.4	243453.9
	-6.5	-1807.5	-3.4	6018.9	305.4	247304.9
316.	-3.6	-3799.9	1.6	6140.6	-575.6	94426.0
	-6.5	-3750.2	-3.4	6018.9	483.5	100895.5
369.	-3.6	-5742.6	1.6	6140.6	-657.9	-156957.2
	-6.5	-5692.9	-3.4	6018.9	661.6	-147869.3
422.	-3.6	-7685.2	1.6	6140.6	-740.1	-510695.8
	-6.5	-7635.5	-3.4	6018.9	839.7	-498989.4
Asta	84	odi	39	37		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-15.3	8563.0	-1.7	-12422.5	-237.2	-629443.4
	-16.8	8607.1	-0.8	-12670.5	-112.3	-640323.3
58.	-15.3	6422.2	-1.7	-12422.5	-138.5	-194403.6
	-16.8	6466.3	-0.8	-12670.5	-67.8	-202723.7
116.	-15.3	4281.3	-1.7	-12422.5	-39.8	116331.6
	-16.8	4325.4	-0.8	-12670.5	-23.3	110571.3
174.	-15.3	2140.4	-1.7	-12422.5	58.9	302762.3
	-16.8	2184.5	-0.8	-12670.5	21.2	299561.8
232.	-15.3	-0.4	-1.7	-12422.5	157.6	364888.5
	-16.8	43.6	-0.8	-12670.5	65.7	364247.7
290.	-15.3	-2141.3	-1.7	-12422.5	256.3	302710.1
	-16.8	-2097.2	-0.8	-12670.5	110.1	304629.2
348.	-15.3	-4282.2	-1.7	-12422.5	355.0	116227.2
	-16.8	-4238.1	-0.8	-12670.5	154.6	120706.0
406.	-15.3	-6423.1	-1.7	-12422.5	453.7	-194560.3
	-16.8	-6379.0	-0.8	-12670.5	199.1	-187521.6
465.	-15.3	-8563.9	-1.7	-12422.5	552.4	-629652.3
	-16.8	-8519.9	-0.8	-12670.5	243.6	-620053.8
Asta	85	odi	43	41		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-17.0	8488.3	1.6	12354.2	489.9	-609111.3
	-16.2	8532.2	1.6	12104.8	486.3	-618700.1
58.	-17.0	6347.4	1.6	12354.2	397.3	-178411.3
	-16.2	6391.4	1.6	12104.8	395.8	-185448.7
116.	-17.0	4206.6	1.6	12354.2	304.7	127984.1
	-16.2	4250.5	1.6	12104.8	305.2	123498.1
174.	-17.0	2065.7	1.6	12354.2	212.2	310075.0
	-16.2	2109.6	1.6	12104.8	214.7	308140.4
232.	-17.0	-75.2	1.6	12354.2	119.6	367861.4
	-16.2	-31.3	1.6	12104.8	124.1	368478.2
290.	-17.0	-2216.1	1.6	12354.2	27.0	301343.2
	-16.2	-2172.1	1.6	12104.8	33.6	304511.4
348.	-17.0	-4356.9	1.6	12354.2	-65.5	110520.5
	-16.2	-4313.0	1.6	12104.8	-56.9	116240.1
406.	-17.0	-6497.8	1.6	12354.2	-158.1	-204606.7
	-16.2	-6453.9	1.6	12104.8	-147.5	-196335.8
465.	-17.0	-8638.7	1.6	12354.2	-250.7	-644038.5
	-16.2	-8594.7	1.6	12104.8	-238.0	-633216.2
Asta	86	odi	45	43		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-7.2	7051.9	0.9	-5220.7	-37.8	-424863.0
	-5.6	7103.4	0.9	-5287.7	-32.4	-436022.6
49.	-7.2	5242.9	0.9	-5220.7	-80.5	-123258.0
	-5.6	5294.4	0.9	-5287.7	-76.6	-131890.2
98.	-7.2	3433.8	0.9	-5220.7	-123.3	89591.6
	-5.6	3485.3	0.9	-5287.7	-120.8	83486.8
147.	-7.2	1624.8	0.9	-5220.7	-166.0	213685.8
	-5.6	1676.3	0.9	-5287.7	-165.0	210108.3
196.	-7.2	-184.2	0.9	-5220.7	-208.8	249024.6
	-5.6	-132.7	0.9	-5287.7	-209.2	247974.5
245.	-7.2	-1993.3	0.9	-5220.7	-251.5	195608.0
	-5.6	-1941.7	0.9	-5287.7	-253.3	197085.2
294.	-7.2	-3802.3	0.9	-5220.7	-294.3	53436.0
	-5.6	-3750.8	0.9	-5287.7	-297.5	57440.5
343.	-7.2	-5611.3	0.9	-5220.7	-337.1	-177491.5
	-5.6	-5559.8	0.9	-5287.7	-341.7	-170959.6
393.	-7.2	-7420.3	0.9	-5220.7	-379.8	-497174.4
	-5.6	-7368.8	0.9	-5287.7	-385.9	-488115.1

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Asta	87	nod	35	104		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2.1	3407.0	-166.7	67402.3	-8253.6	-207309.9
	-3.3	3419.2	201.2	67264.5	12543.5	-209847.4
45.	-2.1	2599.6	-120.7	67402.3	-1849.7	-73475.8
	-3.3	2611.7	155.2	67264.5	4602.4	-75470.1
89.	-2.1	1792.1	-74.7	67402.3	2504.9	24375.4
	-3.3	1804.3	109.2	67264.5	-1289.6	22924.2
134.	-2.1	984.6	-28.7	67402.3	4810.4	86243.6
	-3.3	996.8	63.2	67264.5	-5132.3	85335.5
178.	-2.1	177.1	17.2	67402.3	5066.6	112128.7
	-3.3	189.3	17.3	67264.5	-6925.8	111763.8
223.	-2.1	-630.3	63.2	67402.3	3273.6	102030.9
	-3.3	-618.1	-28.7	67264.5	-6670.1	102209.1
267.	-2.1	-1437.8	109.2	67402.3	-568.6	55950.1
	-3.3	-1425.6	-74.7	67264.5	-4365.2	56671.5
312.	-2.1	-2245.3	155.2	67402.3	-6460.1	-26113.7
	-3.3	-2233.1	-120.7	67264.5	-11.1	-24849.2
357.	-2.1	-3052.8	201.2	67402.3	-14400.7	-144160.5
	-3.3	-3040.6	-166.7	67264.5	6392.3	-142352.9
Asta	88	nod	104	11		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	10.5	2268.9	-126.4	-48732.3	-3827.0	-78640.9
	8.8	2278.8	153.5	-48730.1	11137.0	-79906.5
39.	10.5	1562.3	-89.4	-48732.3	381.5	-3932.1
	8.8	1572.1	116.4	-48730.1	5873.4	-4815.0
78.	10.5	855.6	-52.4	-48732.3	3145.8	43216.2
	8.8	865.4	79.4	-48730.1	2054.1	42716.0
117.	10.5	148.9	-15.3	-48732.3	4465.8	62803.9
	8.8	158.7	42.4	-48730.1	-320.9	62686.5
156.	10.5	-557.8	21.7	-48732.3	4341.6	54831.1
	8.8	-548.0	5.3	-48730.1	-1251.6	55096.5
195.	10.5	-1264.5	58.7	-48732.3	2773.0	19297.9
	8.8	-1254.6	-31.7	-48730.1	-738.0	19946.0
234.	10.5	-1971.1	95.8	-48732.3	-239.9	-43796.0
	8.8	-1961.3	-68.7	-48730.1	1219.9	-42765.1
273.	10.5	-2677.8	132.8	-48732.3	-4697.0	-134450.3
	8.8	-2668.0	-105.8	-48730.1	4622.1	-133036.7
312.	10.5	-3384.5	169.8	-48732.3	-10598.5	-252665.2
	8.8	-3374.7	-142.8	-48730.1	9468.5	-250868.8
Asta	89	nod	11	9		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-31.0	5472.5	-451.8	-18798.5	-45800.4	-525080.5
	-29.8	5469.3	449.1	-18766.7	44492.8	-524163.9
76.	-31.0	4094.2	-339.7	-18798.5	-15698.5	-161247.6
	-29.8	4091.0	337.1	-18766.7	14594.3	-160573.0
152.	-31.0	2716.0	-227.7	-18798.5	5883.0	97752.0
	-29.8	2712.8	225.1	-18766.7	-6783.9	98184.5
228.	-31.0	1337.7	-115.7	-18798.5	18944.3	251918.2
	-29.8	1334.5	113.0	-18766.7	-19641.8	252108.7
304.	-31.0	-40.5	-3.7	-18798.5	23485.2	301251.1
	-29.8	-43.7	1.0	-18766.7	-23979.4	301199.6
380.	-31.0	-1418.8	108.3	-18798.5	19505.8	245750.7
	-29.8	-1422.0	-111.0	-18766.7	-19796.7	245457.2
456.	-31.0	-2797.0	220.3	-18798.5	7006.1	85416.9
	-29.8	-2800.2	-223.0	-18766.7	-7093.6	84881.4
532.	-31.0	-4175.3	332.4	-18798.5	-14014.0	-179750.1
	-29.8	-4178.5	-335.0	-18766.7	14129.7	-180527.7
609.	-31.0	-5553.6	444.4	-18798.5	-43554.3	-549750.5
	-29.8	-5556.7	-447.1	-18766.7	43873.4	-550770.2
Asta	90	nod	105	1		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-6.1	5476.9	1.6	18788.9	729.2	-526910.9
	-5.5	5480.4	1.6	19027.0	732.1	-527940.9
76.	-6.1	4098.7	1.6	18788.9	606.6	-162738.5
	-5.5	4102.2	1.6	19027.0	610.3	-163504.3
152.	-6.1	2720.4	1.6	18788.9	483.9	96600.5
	-5.5	2723.9	1.6	19027.0	488.5	96099.0
228.	-6.1	1342.2	1.6	18788.9	361.3	251106.3
	-5.5	1345.6	1.6	19027.0	366.7	250869.0
304.	-6.1	-36.1	1.6	18788.9	238.7	300778.7
	-5.5	-32.6	1.6	19027.0	245.0	300805.6
380.	-6.1	-1414.3	1.6	18788.9	116.1	245617.8
	-5.5	-1410.9	1.6	19027.0	123.2	245908.9
456.	-6.1	-2792.6	1.6	18788.9	-6.6	85623.5
	-5.5	-2789.1	1.6	19027.0	1.4	86178.9
532.	-6.1	-4170.8	1.6	18788.9	-129.2	-179204.1
	-5.5	-4167.4	1.6	19027.0	-120.4	-178384.5
609.	-6.1	-5549.1	1.6	18788.9	-251.8	-548865.0
	-5.5	-5545.6	1.6	19027.0	-242.2	-547781.2
Asta	91	nod	106	105		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	9.5	2450.1	1.7	55038.7	-482.0	-109151.1
	10.7	2439.3	1.7	56178.5	-488.0	-107745.6
39.	9.5	1743.4	1.7	55038.7	-549.4	-27377.7
	10.7	1732.6	1.7	56178.5	-556.1	-26394.8
78.	9.5	1036.7	1.7	55038.7	-616.7	26835.2
	10.7	1025.9	1.7	56178.5	-624.1	27395.4
117.	9.5	330.1	1.7	55038.7	-684.1	53487.6

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156.	10.7	319.2	1.7	56178.5	-692.2	53625.2
	9.5	-376.6	1.7	55038.7	-751.4	52579.5
	10.7	-387.5	1.7	56178.5	-760.3	52294.4
195.	9.5	-1083.3	1.7	55038.7	-818.8	24110.8
	10.7	-1094.1	1.7	56178.5	-828.4	23403.2
234.	9.5	-1790.0	1.7	55038.7	-886.2	-31918.4
	10.7	-1800.8	1.7	56178.5	-896.5	-33048.6
273.	9.5	-2496.7	1.7	55038.7	-953.5	-115508.1
	10.7	-2507.5	1.7	56178.5	-964.5	-117061.0
312.	9.5	-3203.3	1.7	55038.7	-1020.9	-226658.3
	10.7	-3214.2	1.7	56178.5	-1032.6	-228633.8
Asta	92	odi	45	106		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-12.1	3235.7	-6.5	-84102.8	-960.1	-179186.4
	-11.7	3223.2	-6.5	-85589.9	-972.6	-176639.4
45.	-12.1	2428.3	-6.5	-84102.8	-672.2	-52985.2
	-11.7	2415.7	-6.5	-85589.9	-680.9	-50998.5
89.	-12.1	1620.8	-6.5	-84102.8	-384.3	37233.1
	-11.7	1608.2	-6.5	-85589.9	-389.3	38659.4
134.	-12.1	813.3	-6.5	-84102.8	-96.5	91468.3
	-11.7	800.7	-6.5	-85589.9	-97.6	92334.3
178.	-12.1	5.9	-6.5	-84102.8	191.4	109720.6
	-11.7	-6.7	-6.5	-85589.9	194.1	110026.2
223.	-12.1	-801.6	-6.5	-84102.8	479.3	91989.9
	-11.7	-814.2	-6.5	-85589.9	485.8	91735.1
267.	-12.1	-1609.1	-6.5	-84102.8	767.1	38276.2
	-11.7	-1621.7	-6.5	-85589.9	777.5	37461.0
312.	-12.1	-2416.6	-6.5	-84102.8	1055.0	-51420.6
	-11.7	-2429.1	-6.5	-85589.9	1069.2	-52796.1
357.	-12.1	-3224.0	-6.5	-84102.8	1342.8	-177100.3
	-11.7	-3236.6	-6.5	-85589.9	1360.9	-179036.2
Asta	93	odi	87	107		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.2	1443.7	0.1	-23064.7	14.0	-161499.9
	-0.2	1440.7	0.1	-25013.7	10.2	-159524.1
45.	-0.2	1304.7	0.1	-23064.7	9.4	-100262.3
	-0.2	1301.7	0.1	-25013.7	6.0	-98420.5
89.	-0.2	1165.6	0.1	-23064.7	4.8	-45220.5
	-0.2	1162.6	0.1	-25013.7	1.7	-43512.7
134.	-0.2	1026.6	0.1	-23064.7	0.2	3625.6
	-0.2	1023.6	0.1	-25013.7	-2.6	5199.4
178.	-0.2	887.6	0.1	-23064.7	-4.5	46275.9
	-0.2	884.6	0.1	-25013.7	-6.8	47715.7
223.	-0.2	748.5	0.1	-23064.7	-9.1	82730.5
	-0.2	745.5	0.1	-25013.7	-11.1	84036.3
267.	-0.2	609.5	0.1	-23064.7	-13.7	112989.4
	-0.2	606.5	0.1	-25013.7	-15.3	114161.2
312.	-0.2	470.5	0.1	-23064.7	-18.4	137052.5
	-0.2	467.5	0.1	-25013.7	-19.6	138090.3
357.	-0.2	331.4	0.1	-23064.7	-23.0	154919.8
	-0.2	328.4	0.1	-25013.7	-23.9	155823.7
Asta	94	odi	107	108		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.6	-786.7	0.1	-41035.3	17.5	173836.2
	0.6	-806.0	0.1	-39664.3	18.2	176154.8
39.	0.6	-908.4	0.1	-41035.3	13.1	140780.7
	0.6	-927.7	0.1	-39664.3	13.9	142346.8
78.	0.6	-1030.1	0.1	-41035.3	8.7	102979.8
	0.6	-1049.4	0.1	-39664.3	9.6	103793.2
117.	0.6	-1151.8	0.1	-41035.3	4.3	60433.3
	0.6	-1171.1	0.1	-39664.3	5.3	60494.2
156.	0.6	-1273.5	0.1	-41035.3	-0.1	13141.3
	0.6	-1292.8	0.1	-39664.3	1.0	12449.6
195.	0.6	-1395.1	0.1	-41035.3	-4.5	-38896.2
	0.6	-1414.4	0.1	-39664.3	-3.3	-40340.4
234.	0.6	-1516.8	0.1	-41035.3	-8.9	-95679.2
	0.6	-1536.1	0.1	-39664.3	-7.6	-97876.0
273.	0.6	-1638.5	0.1	-41035.3	-13.3	-157207.8
	0.6	-1657.8	0.1	-39664.3	-11.9	-160157.2
312.	0.6	-1760.2	0.1	-41035.3	-17.7	-223481.9
	0.6	-1779.5	0.1	-39664.3	-16.2	-227183.8
Asta	95	odi	108	65		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.9	982.1	0.1	26279.7	27.0	-99960.1
	-0.9	990.3	0.1	26757.8	25.5	-102126.4
76.	-0.9	744.8	0.1	26279.7	21.6	-34286.1
	-0.9	753.0	0.1	26757.8	20.2	-35825.8
152.	-0.9	507.4	0.1	26279.7	16.1	13337.1
	-0.9	515.7	0.1	26757.8	14.8	12423.9
228.	-0.9	270.1	0.1	26279.7	10.7	42909.6
	-0.9	278.4	0.1	26757.8	9.4	42622.9
304.	-0.9	32.8	0.1	26279.7	5.3	54431.3
	-0.9	41.1	0.1	26757.8	4.0	54771.1
380.	-0.9	-204.5	0.1	26279.7	-0.2	47902.2
	-0.9	-196.3	0.1	26757.8	-1.4	48868.5
456.	-0.9	-441.8	0.1	26279.7	-5.6	23322.3
	-0.9	-433.6	0.1	26757.8	-6.7	24915.2
532.	-0.9	-679.1	0.1	26279.7	-11.0	-19308.3
	-0.9	-670.9	0.1	26757.8	-12.1	-17088.9
609.	-0.9	-916.4	0.1	26279.7	-16.5	-79989.7

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	-0.9	-908.2	0.1	26757.8	-17.5	-77143.8
Asta	96	nod	70	69		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.3	932.0	-838.2	-22898.6	-84195.3	-79522.6
	0.2	925.4	838.1	-23235.4	84146.9	-77861.5
76.	-1.3	694.7	-630.0	-22898.6	-28354.8	-17656.6
	0.2	688.1	629.9	-23235.4	28317.1	-16500.6
152.	-1.3	457.4	-421.8	-22898.6	11649.8	26158.8
	0.2	450.7	421.7	-23235.4	-11676.7	26809.5
228.	-1.3	220.1	-213.6	-22898.6	35818.5	51923.3
	0.2	213.4	213.5	-23235.4	-35834.7	52068.9
304.	-1.3	-17.2	-5.5	-22898.6	44151.3	59637.1
	0.2	-23.9	5.3	-23235.4	-44156.7	59277.5
380.	-1.3	-254.6	202.7	-22898.6	36648.1	49300.0
	0.2	-261.2	-202.9	-23235.4	-36642.8	48435.3
456.	-1.3	-491.9	410.9	-22898.6	13309.0	20912.3
	0.2	-498.5	-411.1	-23235.4	-13292.9	19542.3
532.	-1.3	-729.2	619.1	-22898.6	-25866.0	-25526.3
	0.2	-735.8	-619.3	-23235.4	25892.8	-27401.4
609.	-1.3	-966.5	827.3	-22898.6	-80876.9	-90015.6
	0.2	-973.1	-827.5	-23235.4	80914.5	-92395.9
Asta	97	nod	109	70		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.1	126.9	-373.9	-52477.4	-19235.1	27550.5
	-1.0	134.4	374.0	-48667.8	19251.7	26909.9
39.	0.1	5.2	-275.9	-52477.4	-6564.2	30125.6
	-1.0	12.8	275.9	-48667.8	6578.8	29780.2
78.	0.1	-116.5	-177.9	-52477.4	2284.2	27955.1
	-1.0	-108.9	177.9	-48667.8	-2271.5	27904.9
117.	0.1	-238.2	-79.9	-52477.4	7310.0	21039.1
	-1.0	-230.6	79.9	-48667.8	-7299.2	21284.0
156.	0.1	-359.9	18.2	-52477.4	8513.2	9377.6
	-1.0	-352.3	-18.1	-48667.8	-8504.4	9917.7
195.	0.1	-481.5	116.2	-52477.4	5893.8	-7029.5
	-1.0	-474.0	-116.1	-48667.8	-5886.9	-6194.2
234.	0.1	-603.2	214.2	-52477.4	-548.2	-28182.0
	-1.0	-595.6	-214.1	-48667.8	553.1	-27051.6
273.	0.1	-724.9	312.2	-52477.4	-10812.7	-54080.1
	-1.0	-717.3	-312.2	-48667.8	10815.8	-52654.5
312.	0.1	-846.6	410.2	-52477.4	-24899.9	-84723.7
	-1.0	-839.0	-410.2	-48667.8	24901.0	-83002.9
Asta	98	nod	82	109		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.5	674.7	-364.8	74330.9	-20332.0	-37234.4
	0.1	686.0	364.7	71665.2	20326.4	-40301.8
45.	-1.5	535.6	-272.6	74330.9	-6132.1	-10268.0
	0.1	546.9	272.5	71665.2	6127.3	-12831.1
89.	-1.5	396.6	-180.4	74330.9	3959.2	10502.7
	0.1	407.9	180.3	71665.2	-3963.1	8443.9
134.	-1.5	257.6	-88.2	74330.9	9941.9	25077.7
	0.1	268.9	88.1	71665.2	-9944.8	23523.1
178.	-1.5	118.5	4.0	74330.9	11815.8	33456.9
	0.1	129.8	-4.1	71665.2	-11817.8	32406.6
223.	-1.5	-20.5	96.2	74330.9	9581.1	35640.4
	0.1	-9.2	-96.3	71665.2	-9582.2	35094.3
267.	-1.5	-159.6	188.4	74330.9	3237.8	31628.1
	0.1	-148.2	-188.5	71665.2	-3238.0	31586.3
312.	-1.5	-298.6	280.6	74330.9	-7214.3	21420.1
	0.1	-287.3	-280.7	71665.2	7215.0	21882.5
357.	-1.5	-437.6	372.8	74330.9	-21775.0	5016.3
	0.1	-426.3	-372.9	71665.2	21776.5	5983.0
Asta	99	nod	84	80		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.6	1115.2	-0.3	18230.3	-22.5	-129117.3
	-1.0	1101.2	0.2	15510.6	4.0	-125509.8
45.	-0.6	976.2	-0.3	18230.3	-9.7	-82517.7
	-1.0	962.1	0.2	15510.6	-5.7	-79537.7
89.	-0.6	837.2	-0.3	18230.3	3.0	-42113.9
	-1.0	823.1	0.2	15510.6	-15.5	-39761.3
134.	-0.6	698.1	-0.3	18230.3	15.7	-7905.8
	-1.0	684.0	0.2	15510.6	-25.2	-6180.7
178.	-0.6	559.1	-0.3	18230.3	28.5	20106.5
	-1.0	545.0	0.2	15510.6	-35.0	21204.2
223.	-0.6	420.1	-0.3	18230.3	41.2	41923.1
	-1.0	406.0	0.2	15510.6	-44.7	42393.4
267.	-0.6	281.0	-0.3	18230.3	54.0	57543.9
	-1.0	266.9	0.2	15510.6	-54.5	57386.8
312.	-0.6	142.0	-0.3	18230.3	66.7	66969.0
	-1.0	127.9	0.2	15510.6	-64.2	66184.4
357.	-0.6	3.0	-0.3	18230.3	79.5	70198.4
	-1.0	-11.1	0.2	15510.6	-74.0	68786.3
Asta	100	nod	84	83		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.3	7353.1	-1.3	-11987.3	-194.5	-497597.8
	-1.5	7391.7	1.2	-12642.0	175.4	-509033.1
58.	-1.3	5486.4	-1.3	-11987.3	-116.5	-124850.4
	-1.5	5524.9	1.2	-12642.0	103.6	-134047.7
116.	-1.3	3619.6	-1.3	-11987.3	-38.5	139509.0
	-1.5	3658.2	1.2	-12642.0	31.7	132549.7

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174.	-1.3	1752.9	-1.3	-11987.3	39.6	295480.4
	-1.5	1791.4	1.2	-12642.0	-40.2	290759.1
232.	-1.3	-113.9	-1.3	-11987.3	117.6	343063.8
	-1.5	-75.3	1.2	-12642.0	-112.0	340580.4
290.	-1.3	-1980.6	-1.3	-11987.3	195.6	282259.2
	-1.5	-1942.1	1.2	-12642.0	-183.9	282013.8
348.	-1.3	-3847.3	-1.3	-11987.3	273.7	113066.6
	-1.5	-3808.8	1.2	-12642.0	-255.7	115059.2
406.	-1.3	-5714.1	-1.3	-11987.3	351.7	-164514.0
	-1.5	-5675.6	1.2	-12642.0	-327.6	-160283.5
465.	-1.3	-7580.8	-1.3	-11987.3	429.7	-550482.6
	-1.5	-7542.3	1.2	-12642.0	-399.5	-544014.1
Asta	101	nodì	83	82		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.6	7103.6	4.8	4517.0	422.2	-517278.0
	-2.0	7138.2	-4.9	3942.5	-449.0	-521866.0
53.	-0.6	5409.6	4.8	4517.0	168.4	-187633.4
	-2.0	5444.2	-4.9	3942.5	-190.1	-190397.4
105.	-0.6	3715.7	4.8	4517.0	-85.4	52761.9
	-2.0	3750.3	-4.9	3942.5	68.7	51821.8
158.	-0.6	2021.8	4.8	4517.0	-339.3	203907.9
	-2.0	2056.4	-4.9	3942.5	327.5	204791.7
211.	-0.6	327.8	4.8	4517.0	-593.1	265804.5
	-2.0	362.4	-4.9	3942.5	586.3	268512.3
263.	-0.6	-1366.1	4.8	4517.0	-846.9	238451.9
	-2.0	-1331.5	-4.9	3942.5	845.1	242983.6
316.	-0.6	-3060.1	4.8	4517.0	-1100.8	121849.8
	-2.0	-3025.4	-4.9	3942.5	1103.9	128205.5
369.	-0.6	-4754.0	4.8	4517.0	-1354.6	-84001.5
	-2.0	-4719.4	-4.9	3942.5	1362.7	-75821.9
422.	-0.6	-6447.9	4.8	4517.0	-1608.4	-379102.2
	-2.0	-6413.3	-4.9	3942.5	1621.5	-369098.6
Asta	102	nodì	86	85		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.7	7472.9	0.0	10102.4	-1.2	-521252.3
	-0.9	7510.7	-0.1	9390.8	-16.4	-527502.4
58.	-0.7	5606.2	0.0	10102.4	-0.8	-141549.5
	-0.9	5644.0	-0.1	9390.8	-13.3	-145606.1
116.	-0.7	3739.4	0.0	10102.4	-0.3	129765.3
	-0.9	3777.2	-0.1	9390.8	-10.2	127902.3
174.	-0.7	1872.7	0.0	10102.4	0.2	292692.0
	-0.9	1910.5	-0.1	9390.8	-7.1	293022.7
232.	-0.7	5.9	0.0	10102.4	0.6	347230.8
	-0.9	43.7	-0.1	9390.8	-4.0	349755.0
290.	-0.7	-1860.8	0.0	10102.4	1.1	293381.6
	-0.9	-1823.0	-0.1	9390.8	-0.8	298099.4
348.	-0.7	-3727.6	0.0	10102.4	1.5	131144.3
	-0.9	-3689.8	-0.1	9390.8	2.3	138055.8
406.	-0.7	-5594.3	0.0	10102.4	2.0	-139480.9
	-0.9	-5556.5	-0.1	9390.8	5.4	-130375.9
465.	-0.7	-7461.1	0.0	10102.4	2.5	-518494.2
	-0.9	-7423.3	-0.1	9390.8	8.5	-507195.6
Asta	103	nodì	87	86		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.7	5881.6	0.0	-11201.0	-1.1	-312437.3
	-1.0	5923.3	-0.1	-11932.5	-17.7	-323869.5
49.	-0.7	4304.3	0.0	-11201.0	-0.3	-62564.6
	-1.0	4345.9	-0.1	-11932.5	-12.0	-71953.7
98.	-0.7	2726.9	0.0	-11201.0	0.5	109917.3
	-1.0	2768.5	-0.1	-11932.5	-6.3	102571.4
147.	-0.7	1149.5	0.0	-11201.0	1.3	205008.5
	-1.0	1191.1	-0.1	-11932.5	-0.5	199705.7
196.	-0.7	-427.9	0.0	-11201.0	2.1	222708.9
	-1.0	-386.3	-0.1	-11932.5	5.2	219449.3
245.	-0.7	-2005.3	0.0	-11201.0	2.9	163018.6
	-1.0	-1963.7	-0.1	-11932.5	10.9	161802.1
294.	-0.7	-3582.7	0.0	-11201.0	3.7	25937.5
	-1.0	-3541.1	-0.1	-11932.5	16.6	26764.1
343.	-0.7	-5160.1	0.0	-11201.0	4.5	-188534.3
	-1.0	-5118.5	-0.1	-11932.5	22.4	-185664.6
393.	-0.7	-6737.5	0.0	-11201.0	5.3	-480397.0
	-1.0	-6695.8	-0.1	-11932.5	28.1	-475484.1
Asta	104	nodì	85	79		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.1	1072.5	-0.1	-27608.1	-17.8	-117954.4
	-0.3	1085.9	-0.1	-30419.0	-14.0	-121417.8
45.	-0.1	933.5	-0.1	-27608.1	-12.0	-73259.3
	-0.3	946.9	-0.1	-30419.0	-8.4	-76124.6
89.	-0.1	794.4	-0.1	-27608.1	-6.1	-34760.0
	-0.3	807.8	-0.1	-30419.0	-2.8	-37027.0
134.	-0.1	655.4	-0.1	-27608.1	-0.2	-2456.5
	-0.3	668.8	-0.1	-30419.0	2.8	-4125.2
178.	-0.1	516.4	-0.1	-27608.1	5.6	23651.3
	-0.3	529.8	-0.1	-30419.0	8.4	22580.8
223.	-0.1	377.3	-0.1	-27608.1	11.5	43563.4
	-0.3	390.7	-0.1	-30419.0	14.0	43091.1
267.	-0.1	238.3	-0.1	-27608.1	17.3	57279.7
	-0.3	251.7	-0.1	-30419.0	19.6	57405.7
312.	-0.1	99.2	-0.1	-27608.1	23.2	64800.3
	-0.3	112.7	-0.1	-30419.0	25.2	65524.5

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357.	-0.1	-39.8	-0.1	-27608.1	29.0	66125.1
	-0.3	-26.4	-0.1	-30419.0	30.8	67447.5
Asta	105	nodì	79	90		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.4	6301.4	0.1	-11212.5	-1.6	-426309.7
	-2.5	6328.5	0.1	-11484.2	-8.1	-430598.1
38.	-1.4	4851.9	0.1	-11212.5	-5.9	-211957.9
	-2.5	4878.9	0.1	-11484.2	-11.3	-215205.4
77.	-1.4	3402.3	0.1	-11212.5	-10.2	-53322.2
	-2.5	3429.4	0.1	-11484.2	-14.6	-55528.9
115.	-1.4	1952.8	0.1	-11212.5	-14.5	49597.5
	-2.5	1979.9	0.1	-11484.2	-17.8	48431.6
154.	-1.4	503.3	0.1	-11212.5	-18.8	96801.0
	-2.5	530.4	0.1	-11484.2	-21.0	96676.0
192.	-1.4	-946.2	0.1	-11212.5	-23.1	88288.4
	-2.5	-919.1	0.1	-11484.2	-24.3	89204.3
231.	-1.4	-2395.8	0.1	-11212.5	-27.5	24059.8
	-2.5	-2368.7	0.1	-11484.2	-27.5	26016.5
269.	-1.4	-3845.3	0.1	-11212.5	-31.8	-95885.0
	-2.5	-3818.2	0.1	-11484.2	-30.7	-92887.4
308.	-1.4	-5294.8	0.1	-11212.5	-36.1	-271545.8
	-2.5	-5267.7	0.1	-11484.2	-33.9	-267507.4
Asta	106	nodì	90	89		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.2	6182.0	0.1	965.3	30.9	-300937.7
	-2.4	6218.5	-0.3	798.0	-5.4	-306931.8
41.	-1.2	4635.8	0.1	965.3	28.1	-79173.9
	-2.4	4672.3	-0.3	798.0	5.3	-83671.2
82.	-1.2	3089.6	0.1	965.3	25.4	79197.3
	-2.4	3126.1	-0.3	798.0	15.9	76196.8
123.	-1.2	1543.5	0.1	965.3	22.7	174176.0
	-2.4	1580.0	-0.3	798.0	26.6	172672.3
164.	-1.2	-2.7	0.1	965.3	20.0	205762.2
	-2.4	33.8	-0.3	798.0	37.2	205755.3
205.	-1.2	-1548.8	0.1	965.3	17.3	173955.9
	-2.4	-1512.3	-0.3	798.0	47.9	175445.8
246.	-1.2	-3095.0	0.1	965.3	14.6	78757.0
	-2.4	-3058.5	-0.3	798.0	58.5	81743.7
287.	-1.2	-4641.2	0.1	965.3	11.9	-79834.4
	-2.4	-4604.7	-0.3	798.0	69.2	-75350.9
328.	-1.2	-6187.3	0.1	965.3	9.2	-301818.3
	-2.4	-6150.8	-0.3	798.0	79.8	-295838.1
Asta	107	nodì	89	80		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.4	5190.3	-0.6	14362.1	-77.1	-262845.9
	-3.3	5217.9	0.0	14059.6	-50.9	-266913.0
39.	-0.4	3721.9	-0.6	14362.1	-53.3	-89337.3
	-3.3	3749.5	0.0	14059.6	-51.6	-92329.5
78.	-0.4	2253.5	-0.6	14362.1	-29.5	26996.2
	-3.3	2281.1	0.0	14059.6	-52.3	25078.9
117.	-0.4	785.1	-0.6	14362.1	-5.7	86154.7
	-3.3	812.7	0.0	14059.6	-53.0	85312.2
156.	-0.4	-683.3	-0.6	14362.1	18.1	88138.1
	-3.3	-655.6	0.0	14059.6	-53.7	88370.5
195.	-0.4	-2151.6	-0.6	14362.1	42.0	32946.6
	-3.3	-2124.0	0.0	14059.6	-54.4	34253.8
234.	-0.4	-3620.0	-0.6	14362.1	65.8	-79420.1
	-3.3	-3592.4	0.0	14059.6	-55.1	-77038.0
273.	-0.4	-5088.4	-0.6	14362.1	89.6	-248961.8
	-3.3	-5060.8	0.0	14059.6	-55.8	-245504.8
312.	-0.4	-6556.8	-0.6	14362.1	113.4	-475678.5
	-3.3	-6529.2	0.0	14059.6	-56.5	-471146.7
Asta	108	nodì	96	69		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	1.5	4975.1	-42.4	-18947.9	-2364.1	-191613.2
	-4.2	5028.5	42.5	-18372.0	2366.1	-195177.9
34.	1.5	3662.5	-42.4	-18947.9	-910.8	-43695.0
	-4.2	3715.8	42.5	-18372.0	910.5	-45432.3
69.	1.5	2349.8	-42.4	-18947.9	542.5	59264.6
	-4.2	2403.1	42.5	-18372.0	-545.1	59354.8
103.	1.5	1037.1	-42.4	-18947.9	1995.8	117265.6
	-4.2	1090.5	42.5	-18372.0	-2000.7	119183.3
137.	1.5	-275.5	-42.4	-18947.9	3449.1	130308.0
	-4.2	-222.2	42.5	-18372.0	-3456.3	134053.1
171.	1.5	-1588.2	-42.4	-18947.9	4902.4	98391.8
	-4.2	-1534.8	42.5	-18372.0	-4911.9	103964.3
206.	1.5	-2900.9	-42.4	-18947.9	6355.7	21516.9
	-4.2	-2847.5	42.5	-18372.0	-6367.5	28916.9
240.	1.5	-4213.5	-42.4	-18947.9	7809.0	-100316.6
	-4.2	-4160.2	42.5	-18372.0	-7823.1	-91089.1
274.	1.5	-5526.2	-42.4	-18947.9	9262.3	-267108.6
	-4.2	-5472.8	42.5	-18372.0	-9278.7	-256053.7
Asta	109	nodì	65	66		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.4	7460.9	0.0	8177.1	-9.1	-419432.1
	-1.7	7500.1	-0.1	8657.6	-14.1	-430669.4
50.	-1.4	5561.3	0.0	8177.1	-7.5	-96725.3
	-1.7	5600.5	-0.1	8657.6	-9.6	-106020.3
99.	-1.4	3661.8	0.0	8177.1	-5.8	131836.3

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149.	-1.7	3701.0	-0.1	8657.6	-5.1	124483.6
	-1.4	1762.3	0.0	8177.1	-4.2	266252.7
	-1.7	1801.5	-0.1	8657.6	-0.6	260842.3
198.	-1.4	-137.2	0.0	8177.1	-2.6	306523.9
	-1.7	-98.0	-0.1	8657.6	3.8	303055.8
248.	-1.4	-2036.8	0.0	8177.1	-0.9	252649.9
	-1.7	-1997.6	-0.1	8657.6	8.3	251124.0
297.	-1.4	-3936.3	0.0	8177.1	0.7	104630.6
	-1.7	-3897.1	-0.1	8657.6	12.8	105047.1
347.	-1.4	-5835.8	0.0	8177.1	2.3	-137533.8
	-1.7	-5796.6	-0.1	8657.6	17.2	-135175.0
397.	-1.4	-7735.3	0.0	8177.1	4.0	-473843.4
	-1.7	-7696.1	-0.1	8657.6	21.7	-469542.3
Asta	110	nodì	66	67		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.1	7301.1	-0.1	-12850.7	-11.9	-453614.7
	-2.0	7354.6	-0.2	-12695.3	-33.6	-460750.2
50.	-1.1	5384.8	-0.1	-12850.7	-7.8	-136468.3
	-2.0	5438.3	-0.2	-12695.3	-25.0	-140927.3
100.	-1.1	3468.5	-0.1	-12850.7	-3.8	84863.6
	-2.0	3522.0	-0.2	-12695.3	-16.3	83081.0
150.	-1.1	1552.2	-0.1	-12850.7	0.3	210380.8
	-2.0	1605.7	-0.2	-12695.3	-7.7	211274.7
200.	-1.1	-364.1	-0.1	-12850.7	4.4	240083.4
	-2.0	-310.6	-0.2	-12695.3	0.9	243653.7
250.	-1.1	-2280.4	-0.1	-12850.7	8.4	173971.4
	-2.0	-2226.9	-0.2	-12695.3	9.6	180218.2
300.	-1.1	-4196.7	-0.1	-12850.7	12.5	12044.7
	-2.0	-4143.2	-0.2	-12695.3	18.2	20967.9
350.	-1.1	-6113.0	-0.1	-12850.7	16.6	-245696.5
	-2.0	-6059.4	-0.2	-12695.3	26.8	-234096.9
400.	-1.1	-8029.3	-0.1	-12850.7	20.6	-599252.4
	-2.0	-7975.7	-0.2	-12695.3	35.5	-584976.3
Asta	111	nodì	67	68		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2.5	9965.5	0.0	11363.6	-6.9	-704456.0
	-3.2	10014.8	-0.1	11334.9	-21.0	-718151.0
50.	-2.5	7619.1	0.0	11363.6	-6.0	-262094.5
	-3.2	7668.4	-0.1	11334.9	-15.7	-273308.2
101.	-2.5	5272.7	0.0	11363.6	-5.0	62215.4
	-3.2	5322.0	-0.1	11334.9	-10.3	53483.1
151.	-2.5	2926.4	0.0	11363.6	-4.0	268473.7
	-3.2	2975.7	-0.1	11334.9	-4.9	262222.9
201.	-2.5	580.0	0.0	11363.6	-3.0	356680.5
	-3.2	629.3	-0.1	11334.9	0.4	352911.1
252.	-2.5	-1766.4	0.0	11363.6	-2.0	326835.8
	-3.2	-1717.1	-0.1	11334.9	5.8	325547.7
302.	-2.5	-4112.7	0.0	11363.6	-1.1	178939.5
	-3.2	-4063.4	-0.1	11334.9	11.1	180132.8
352.	-2.5	-6459.1	0.0	11363.6	-0.1	-87008.4
	-3.2	-6409.8	-0.1	11334.9	16.5	-83333.6
403.	-2.5	-8805.5	0.0	11363.6	0.9	-471007.8
	-3.2	-8756.1	-0.1	11334.9	21.9	-464851.6
Asta	112	nodì	68	93		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.8	6812.5	-0.1	-11642.2	-8.8	-390745.9
	-2.9	6885.3	-0.2	-11657.9	-28.7	-396544.2
37.	-1.8	5087.0	-0.1	-11642.2	-5.7	-170605.0
	-2.9	5159.7	-0.2	-11657.9	-22.7	-173711.8
74.	-1.8	3361.5	-0.1	-11642.2	-2.6	-14308.7
	-2.9	3434.2	-0.2	-11657.9	-16.6	-14723.7
111.	-1.8	1635.9	-0.1	-11642.2	0.5	78143.2
	-2.9	1708.7	-0.2	-11657.9	-10.6	80419.8
148.	-1.8	-89.6	-0.1	-11642.2	3.6	106750.6
	-2.9	-16.8	-0.2	-11657.9	-4.6	111718.8
185.	-1.8	-1815.1	-0.1	-11642.2	6.6	71513.6
	-2.9	-1742.4	-0.2	-11657.9	1.4	79173.4
222.	-1.8	-3540.6	-0.1	-11642.2	9.7	-27568.0
	-2.9	-3467.9	-0.2	-11657.9	7.5	-17216.5
259.	-1.8	-5266.2	-0.1	-11642.2	12.8	-190494.0
	-2.9	-5193.4	-0.2	-11657.9	13.5	-177450.9
296.	-1.8	-6991.7	-0.1	-11642.2	15.9	-417264.5
	-2.9	-6918.9	-0.2	-11657.9	19.5	-401529.7
Asta	113	nodì	93	94		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.2	9025.9	0.6	15674.9	65.7	-610255.0
	-1.9	9084.1	-0.7	15668.4	-77.3	-624636.8
44.	-1.2	6953.5	0.6	15674.9	40.3	-255214.4
	-1.9	7011.7	-0.7	15668.4	-47.2	-267006.6
89.	-1.2	4881.1	0.6	15674.9	14.9	7734.7
	-1.9	4939.4	-0.7	15668.4	-17.1	-1467.7
133.	-1.2	2808.7	0.6	15674.9	-10.5	178592.4
	-1.9	2867.0	-0.7	15668.4	13.0	171979.7
178.	-1.2	736.3	0.6	15674.9	-35.9	257358.7
	-1.9	794.6	-0.7	15668.4	43.1	253335.7
222.	-1.2	-1336.1	0.6	15674.9	-61.3	244033.6
	-1.9	-1277.8	-0.7	15668.4	73.1	242600.3
267.	-1.2	-3408.4	0.6	15674.9	-86.7	138617.1
	-1.9	-3350.2	-0.7	15668.4	103.2	139773.5
311.	-1.2	-5480.8	0.6	15674.9	-112.1	-58890.8

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356.	-1.9	-5422.5	-0.7	15668.4	133.3	-55144.7
	-1.2	-7553.2	0.6	15674.9	-137.5	-348490.2
	-1.9	-7494.9	-0.7	15668.4	163.4	-342154.3
Asta	114	nodì	94	95		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.9	6255.1	-2.5	3277.8	-159.3	-350488.0
	-3.1	6293.9	2.2	3317.1	106.2	-355914.3
37.	-1.9	4834.6	-2.5	3277.8	-66.3	-144981.4
	-3.1	4873.5	2.2	3317.1	24.9	-148969.0
74.	-1.9	3414.2	-2.5	3277.8	26.6	7879.8
	-3.1	3453.0	2.2	3317.1	-56.4	5330.8
111.	-1.9	1993.7	-2.5	3277.8	119.5	108095.4
	-3.1	2032.6	2.2	3317.1	-137.7	106985.1
148.	-1.9	573.3	-2.5	3277.8	212.5	155665.6
	-3.1	612.1	2.2	3317.1	-219.1	155993.8
185.	-1.9	-847.2	-2.5	3277.8	305.4	150590.3
	-3.1	-808.3	2.2	3317.1	-300.4	152357.1
222.	-1.9	-2267.6	-2.5	3277.8	398.3	92869.5
	-3.1	-2228.8	2.2	3317.1	-381.7	96074.9
259.	-1.9	-3688.1	-2.5	3277.8	491.2	-17496.9
	-3.1	-3649.3	2.2	3317.1	-463.0	-12852.8
297.	-1.9	-5108.5	-2.5	3277.8	584.2	-180508.7
	-3.1	-5069.7	2.2	3317.1	-544.4	-174426.0
Asta	115	nodì	95	96		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.4	4787.3	11.0	-4398.1	577.6	-155802.8
	-4.6	4831.1	-11.2	-4224.2	-598.6	-160990.9
34.	-1.4	3498.6	11.0	-4398.1	208.6	-16497.3
	-4.6	3542.4	-11.2	-4224.2	-223.7	-20210.4
67.	-1.4	2209.9	11.0	-4398.1	-160.4	79475.4
	-4.6	2253.7	-11.2	-4224.2	151.3	77237.4
101.	-1.4	921.1	11.0	-4398.1	-529.5	132115.4
	-4.6	965.0	-11.2	-4224.2	526.3	131352.4
135.	-1.4	-367.6	11.0	-4398.1	-898.5	141422.6
	-4.6	-323.7	-11.2	-4224.2	901.3	142134.7
168.	-1.4	-1656.3	11.0	-4398.1	-1267.5	107397.0
	-4.6	-1612.4	-11.2	-4224.2	1276.2	109584.2
202.	-1.4	-2945.0	11.0	-4398.1	-1636.5	30038.7
	-4.6	-2901.1	-11.2	-4224.2	1651.2	33701.0
235.	-1.4	-4233.7	11.0	-4398.1	-2005.5	-90652.4
	-4.6	-4189.8	-11.2	-4224.2	2026.2	-85515.0
269.	-1.4	-5522.4	11.0	-4398.1	-2374.5	-254676.2
	-4.6	-5478.5	-11.2	-4224.2	2401.2	-248063.8
Asta	116	nodì	39	31		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-21.1	4134.9	0.7	-8271.2	198.8	-332976.3
	-22.1	4123.7	1.0	-9439.4	201.7	-330607.3
45.	-21.1	3327.4	0.7	-8271.2	167.3	-166708.3
	-22.1	3316.3	1.0	-9439.4	157.9	-164835.3
89.	-21.1	2519.9	0.7	-8271.2	135.8	-36423.4
	-22.1	2508.8	1.0	-9439.4	114.0	-35046.3
134.	-21.1	1712.4	0.7	-8271.2	104.4	57878.6
	-22.1	1701.3	1.0	-9439.4	70.1	58759.7
178.	-21.1	905.0	0.7	-8271.2	72.9	116197.6
	-22.1	893.8	1.0	-9439.4	26.3	116582.7
223.	-21.1	97.5	0.7	-8271.2	41.4	138533.7
	-22.1	86.4	1.0	-9439.4	-17.6	138422.7
267.	-21.1	-710.0	0.7	-8271.2	9.9	124886.7
	-22.1	-721.1	1.0	-9439.4	-61.5	124279.8
312.	-21.1	-1517.5	0.7	-8271.2	-21.5	75256.7
	-22.1	-1528.6	1.0	-9439.4	-105.4	74153.8
357.	-21.1	-2324.9	0.7	-8271.2	-53.0	-10356.3
	-22.1	-2336.1	1.0	-9439.4	-149.2	-11955.1
Asta	117	nodì	41	29		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-14.6	4031.9	-0.4	-4763.7	-107.3	-316945.7
	-14.0	4042.2	-0.5	-6097.2	-131.9	-319163.1
45.	-14.6	3224.4	-0.4	-4763.7	-90.6	-155266.9
	-14.0	3234.7	-0.5	-6097.2	-110.6	-157024.1
89.	-14.6	2416.9	-0.4	-4763.7	-74.0	-29571.1
	-14.0	2427.3	-0.5	-6097.2	-89.4	-30868.1
134.	-14.6	1609.5	-0.4	-4763.7	-57.3	60141.7
	-14.0	1619.8	-0.5	-6097.2	-68.1	59304.9
178.	-14.6	802.0	-0.4	-4763.7	-40.6	113871.5
	-14.0	812.3	-0.5	-6097.2	-46.9	113494.9
223.	-14.6	-5.5	-0.4	-4763.7	-24.0	131618.3
	-14.0	4.8	-0.5	-6097.2	-25.6	131701.9
267.	-14.6	-813.0	-0.4	-4763.7	-7.3	113382.1
	-14.0	-802.6	-0.5	-6097.2	-4.3	113925.9
312.	-14.6	-1620.4	-0.4	-4763.7	9.4	59162.9
	-14.0	-1610.1	-0.5	-6097.2	16.9	60166.9
357.	-14.6	-2427.9	-0.4	-4763.7	26.0	-31039.2
	-14.0	-2417.6	-0.5	-6097.2	38.2	-29575.1
Asta	118	nodì	64	10		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	2.3	6358.3	-45.1	-43190.8	-2549.5	-236405.3
	-4.3	6427.1	46.4	-42541.6	2748.1	-242626.2
34.	2.3	4641.4	-45.1	-43190.8	-1003.8	-48035.6
	-4.3	4710.3	46.4	-42541.6	1158.9	-51898.2

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69.	2.3	2924.6	-45.1	-43190.8	542.0	81531.9
	-4.3	2993.4	46.4	-42541.6	-430.4	80027.6
103.	2.3	1207.7	-45.1	-43190.8	2087.7	152297.2
	-4.3	1276.6	46.4	-42541.6	-2019.7	153151.2
137.	2.3	-509.1	-45.1	-43190.8	3633.5	164260.2
	-4.3	-440.3	46.4	-42541.6	-3609.0	167472.5
171.	2.3	-2226.0	-45.1	-43190.8	5179.2	117421.1
	-4.3	-2157.1	46.4	-42541.6	-5198.2	122991.7
206.	2.3	-3942.8	-45.1	-43190.8	6725.0	11779.7
	-4.3	-3874.0	46.4	-42541.6	-6787.5	19708.6
240.	2.3	-5659.7	-45.1	-43190.8	8270.7	-152664.0
	-4.3	-5590.8	46.4	-42541.6	-8376.8	-142376.7
274.	2.3	-7376.6	-45.1	-43190.8	9816.5	-375909.8
	-4.3	-7307.7	46.4	-42541.6	-9966.1	-363264.2
Asta	119	nodì	2	4		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.5	9804.0	0.0	26479.1	-23.5	-583807.7
	-1.6	9853.1	0.0	26950.0	-22.6	-595945.6
50.	-1.5	7319.6	0.0	26479.1	-22.6	-159462.8
	-1.6	7368.6	0.0	26950.0	-20.3	-169170.2
99.	-1.5	4835.2	0.0	26479.1	-21.6	141747.8
	-1.6	4884.2	0.0	26950.0	-17.9	134470.9
149.	-1.5	2350.8	0.0	26479.1	-20.7	319824.1
	-1.6	2399.8	0.0	26950.0	-15.6	314977.7
198.	-1.5	-133.7	0.0	26479.1	-19.8	374766.1
	-1.6	-84.6	0.0	26950.0	-13.3	372350.2
248.	-1.5	-2618.1	0.0	26479.1	-18.8	306573.8
	-1.6	-2569.1	0.0	26950.0	-11.0	306588.4
297.	-1.5	-5102.5	0.0	26479.1	-17.9	115247.3
	-1.6	-5053.5	0.0	26950.0	-8.7	117692.3
347.	-1.5	-7586.9	0.0	26479.1	-16.9	-199213.6
	-1.6	-7537.9	0.0	26950.0	-6.3	-194338.0
397.	-1.5	-10071.4	0.0	26479.1	-16.0	-636808.7
	-1.6	-10022.3	0.0	26950.0	-4.0	-629502.6
Asta	120	nodì	4	6		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.9	9711.6	0.1	-9831.3	32.2	-612015.3
	-0.2	9775.5	0.1	-9750.0	21.4	-622282.2
50.	0.9	7205.2	0.1	-9831.3	25.4	-189095.1
	-0.2	7269.2	0.1	-9750.0	15.8	-196163.7
100.	0.9	4698.9	0.1	-9831.3	18.5	108507.3
	-0.2	4762.8	0.1	-9750.0	10.1	104637.1
150.	0.9	2192.5	0.1	-9831.3	11.7	280792.0
	-0.2	2256.5	0.1	-9750.0	4.4	280120.1
200.	0.9	-313.8	0.1	-9831.3	4.8	327759.0
	-0.2	-249.9	0.1	-9750.0	-1.3	330285.3
250.	0.9	-2820.2	0.1	-9831.3	-2.0	249408.1
	-0.2	-2756.2	0.1	-9750.0	-7.0	255132.9
300.	0.9	-5326.5	0.1	-9831.3	-8.9	45739.6
	-0.2	-5262.6	0.1	-9750.0	-12.7	54662.6
350.	0.9	-7832.9	0.1	-9831.3	-15.7	-283246.8
	-0.2	-7768.9	0.1	-9750.0	-18.4	-271125.3
400.	0.9	-10339.3	0.1	-9831.3	-22.6	-737550.8
	-0.2	-10275.3	0.1	-9750.0	-24.1	-722231.1
Asta	121	nodì	6	8		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	2.1	10640.8	0.2	12465.5	34.1	-757054.4
	1.5	10699.5	0.2	12429.8	34.1	-771671.2
50.	2.1	8118.7	0.2	12465.5	22.9	-285135.5
	1.5	8177.5	0.2	12429.8	24.8	-296794.7
101.	2.1	5596.7	0.2	12465.5	11.7	59894.4
	1.5	5655.5	0.2	12429.8	15.6	51192.6
151.	2.1	3074.7	0.2	12465.5	0.5	278035.1
	1.5	3133.5	0.2	12429.8	6.3	272290.9
201.	2.1	552.7	0.2	12465.5	-10.8	369286.7
	1.5	611.5	0.2	12429.8	-3.0	366500.0
252.	2.1	-1969.3	0.2	12465.5	-22.0	333649.1
	1.5	-1910.6	0.2	12429.8	-12.3	333820.0
302.	2.1	-4491.4	0.2	12465.5	-33.2	171122.5
	1.5	-4432.6	0.2	12429.8	-21.6	174250.9
352.	2.1	-7013.4	0.2	12465.5	-44.4	-118293.3
	1.5	-6954.6	0.2	12429.8	-30.8	-112207.3
403.	2.1	-9535.4	0.2	12465.5	-55.7	-534598.1
	1.5	-9476.6	0.2	12429.8	-40.1	-525554.7
Asta	122	nodì	8	58		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	3.2	7274.0	0.2	-13737.4	33.1	-398862.6
	1.8	7364.5	0.2	-13756.7	21.0	-408615.0
37.	3.2	5419.3	0.2	-13737.4	26.8	-164037.2
	1.8	5509.8	0.2	-13756.7	14.3	-170441.9
74.	3.2	3564.6	0.2	-13737.4	20.6	2164.2
	1.8	3655.1	0.2	-13756.7	7.7	-892.8
111.	3.2	1709.9	0.2	-13737.4	14.3	99741.6
	1.8	1800.4	0.2	-13756.7	1.1	100032.3
148.	3.2	-144.8	0.2	-13737.4	8.1	128695.1
	1.8	-54.3	0.2	-13756.7	-5.5	132333.4
185.	3.2	-1999.5	0.2	-13737.4	1.9	89024.5
	1.8	-1909.1	0.2	-13756.7	-12.2	96010.5
222.	3.2	-3854.2	0.2	-13737.4	-4.4	-19270.1
	1.8	-3763.8	0.2	-13756.7	-18.8	-8936.4

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259.	3.2	-5708.9	0.2	-13737.4	-10.6	-196188.7
	1.8	-5618.5	0.2	-13756.7	-25.4	-182507.3
296.	3.2	-7563.6	0.2	-13737.4	-16.9	-441731.3
	1.8	-7473.2	0.2	-13756.7	-32.1	-424702.2
Asta	123	nodì	58	60		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	2.6	9569.6	0.4	14838.7	49.9	-638784.7
	1.6	9637.3	-0.7	14807.4	-66.3	-653908.2
44.	2.6	7342.1	0.4	14838.7	31.5	-263028.3
	1.6	7409.8	-0.7	14807.4	-36.5	-275141.9
89.	2.6	5114.6	0.4	14838.7	13.2	13742.6
	1.6	5182.3	-0.7	14807.4	-6.8	4638.8
133.	2.6	2887.0	0.4	14838.7	-5.2	191527.9
	1.6	2954.8	-0.7	14807.4	22.9	185434.0
178.	2.6	659.5	0.4	14838.7	-23.5	270327.7
	1.6	727.2	-0.7	14807.4	52.7	267243.6
222.	2.6	-1568.0	0.4	14838.7	-41.9	250141.9
	1.6	-1500.3	-0.7	14807.4	82.4	250067.7
267.	2.6	-3795.5	0.4	14838.7	-60.2	130970.6
	1.6	-3727.8	-0.7	14807.4	112.1	133906.2
311.	2.6	-6023.1	0.4	14838.7	-78.6	-87186.3
	1.6	-5955.3	-0.7	14807.4	141.9	-81240.9
356.	2.6	-8250.6	0.4	14838.7	-96.9	-404328.7
	1.6	-8182.8	-0.7	14807.4	171.6	-395373.5
Asta	124	nodì	60	62		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	2.8	7947.5	-2.5	1104.3	-188.7	-422707.2
	1.0	8015.5	2.1	1106.6	84.7	-432780.3
37.	2.8	6089.7	-2.5	1104.3	-94.5	-162579.6
	1.0	6157.6	2.1	1106.6	7.6	-170135.3
74.	2.8	4231.9	-2.5	1104.3	-0.3	28691.9
	1.0	4299.8	2.1	1106.6	-69.5	23653.6
111.	2.8	2374.0	-2.5	1104.3	93.9	151107.5
	1.0	2442.0	2.1	1106.6	-146.6	148586.5
148.	2.8	516.2	-2.5	1104.3	188.1	204667.0
	1.0	584.1	2.1	1106.6	-223.6	204663.3
185.	2.8	-1341.6	-2.5	1104.3	282.3	189370.4
	1.0	-1273.7	2.1	1106.6	-300.7	191884.1
222.	2.8	-3199.5	-2.5	1104.3	376.5	105217.9
	1.0	-3131.6	2.1	1106.6	-377.8	110248.9
259.	2.8	-5057.3	-2.5	1104.3	470.7	-47790.7
	1.0	-4989.4	2.1	1106.6	-454.9	-40242.3
297.	2.8	-6915.1	-2.5	1104.3	564.9	-269655.4
	1.0	-6847.2	2.1	1106.6	-531.9	-259589.6
Asta	125	nodì	62	64		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	4.2	6271.9	12.0	-9067.6	682.0	-219591.8
	0.2	6344.2	-10.6	-8944.9	-559.9	-228561.3
34.	4.2	4586.4	12.0	-9067.6	279.4	-37037.7
	0.2	4658.7	-10.6	-8944.9	-203.1	-43574.0
67.	4.2	2900.8	12.0	-9067.6	-123.2	88840.6
	0.2	2973.2	-10.6	-8944.9	153.7	84737.4
101.	4.2	1215.3	12.0	-9067.6	-525.8	158043.2
	0.2	1287.7	-10.6	-8944.9	510.5	156373.2
135.	4.2	-470.2	12.0	-9067.6	-928.5	170570.0
	0.2	-397.9	-10.6	-8944.9	867.3	171333.2
168.	4.2	-2155.7	12.0	-9067.6	-1331.1	126421.2
	0.2	-2083.4	-10.6	-8944.9	1224.1	129617.5
202.	4.2	-3841.3	12.0	-9067.6	-1733.7	25596.5
	0.2	-3768.9	-10.6	-8944.9	1580.9	31226.0
235.	4.2	-5526.8	12.0	-9067.6	-2136.3	-131903.8
	0.2	-5454.4	-10.6	-8944.9	1937.7	-123841.2
269.	4.2	-7212.3	12.0	-9067.6	-2539.0	-346079.9
	0.2	-7139.9	-10.6	-8944.9	2294.5	-335584.2
Asta	126	nodì	36	110		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.1	3375.2	-381.4	88153.3	-21486.3	-189825.6
	0.7	3389.0	383.1	87019.1	21702.3	-193286.9
45.	-1.1	2567.7	-286.0	88153.3	-6616.4	-57410.8
	0.7	2581.5	287.7	87019.1	6756.6	-60255.1
89.	-1.1	1760.2	-190.7	88153.3	4004.9	39021.0
	0.7	1774.1	192.4	87019.1	-3940.6	36793.6
134.	-1.1	952.8	-95.3	88153.3	10377.8	99469.7
	0.7	966.6	97.0	87019.1	-10389.3	97859.3
178.	-1.1	145.3	0.0	88153.3	12502.3	123935.5
	0.7	159.1	1.7	87019.1	-12589.6	122942.1
223.	-1.1	-662.2	95.3	88153.3	10378.3	112418.3
	0.7	-648.3	-93.6	87019.1	-10541.5	112041.8
267.	-1.1	-1469.7	190.7	88153.3	4005.8	64918.1
	0.7	-1455.8	-189.0	87019.1	-4244.8	65158.6
312.	-1.1	-2277.1	286.0	88153.3	-6615.1	-18565.1
	0.7	-2263.3	-284.3	87019.1	6300.3	-17707.6
357.	-1.1	-3084.6	381.3	88153.3	-21484.5	-138031.3
	0.7	-3070.8	-379.6	87019.1	21093.8	-136556.9
Asta	127	nodì	12	10		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.1	5520.2	-896.8	-23899.2	-89853.6	-529870.6
	0.5	5513.9	896.9	-23587.3	89839.0	-528320.9
76.	-1.1	4141.9	-673.8	-23899.2	-30122.0	-162410.4

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152.	0.5	4135.7	673.9	-23587.3	30100.3	-161336.3
	-1.1	2763.7	-450.9	-23899.2	12650.5	100216.5
	0.5	2757.4	450.9	-23587.3	-12679.2	100814.9
228.	-1.1	1385.4	-227.9	-23899.2	38463.8	258010.1
	0.5	1379.1	228.0	-23587.3	-38499.5	258132.9
304.	-1.1	7.1	-4.9	-23899.2	47317.9	310970.4
	0.5	0.9	5.0	-23587.3	-47360.7	310617.5
380.	-1.1	-1371.1	218.0	-23899.2	39212.9	259097.3
	0.5	-1377.4	-217.9	-23587.3	-39262.8	258268.8
456.	-1.1	-2749.4	441.0	-23899.2	14148.8	102390.9
	0.5	-2755.6	-440.9	-23587.3	-14205.7	101086.7
532.	-1.1	-4127.6	664.0	-23899.2	-27874.6	-159148.8
	0.5	-4133.9	-663.9	-23587.3	27810.6	-160928.7
609.	-1.1	-5505.9	886.9	-23899.2	-86857.0	-525521.9
	0.5	-5512.1	-886.8	-23587.3	86786.0	-527777.4
Asta	128	nodì	110	12		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.3	2263.9	-273.6	-68221.6	-14778.7	-87336.4
	-1.0	2272.2	274.7	-67582.9	15105.7	-88150.3
39.	0.3	1557.2	-201.2	-68221.6	-5519.9	-12823.4
	-1.0	1565.6	202.3	-67582.9	5804.6	-13313.4
78.	0.3	850.6	-128.8	-68221.6	916.0	34129.0
	-1.0	858.9	129.9	-67582.9	-673.6	33962.9
117.	0.3	143.9	-56.4	-68221.6	4529.0	53520.9
	-1.0	152.2	57.5	-67582.9	-4328.8	53678.7
156.	0.3	-562.8	15.9	-68221.6	5319.0	45352.3
	-1.0	-554.5	-14.9	-67582.9	-5161.1	45834.0
195.	0.3	-1269.5	88.3	-68221.6	3286.1	9623.1
	-1.0	-1261.2	-87.2	-67582.9	-3170.5	10428.8
234.	0.3	-1976.2	160.7	-68221.6	-1569.7	-53666.5
	-1.0	-1967.8	-159.6	-67582.9	1643.1	-52536.9
273.	0.3	-2682.8	233.1	-68221.6	-9248.5	-144516.7
	-1.0	-2674.5	-232.0	-67582.9	9279.5	-143063.2
312.	0.3	-3389.5	305.5	-68221.6	-19750.2	-262927.4
	-1.0	-3381.2	-304.4	-67582.9	19739.0	-261149.9
Asta	130	nodì	38	36		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	1.1	8040.8	5.2	9914.4	473.5	-577742.2
	-1.0	8088.9	-5.2	9348.2	-493.2	-585762.1
53.	1.1	6098.1	5.2	9914.4	201.4	-205269.0
	-1.0	6146.2	-5.2	9348.2	-217.9	-210757.5
105.	1.1	4155.4	5.2	9914.4	-70.7	64848.8
	-1.0	4203.5	-5.2	9348.2	57.5	61891.6
158.	1.1	2212.8	5.2	9914.4	-342.9	232611.2
	-1.0	2260.8	-5.2	9348.2	332.8	232185.5
211.	1.1	270.1	5.2	9914.4	-615.0	298018.2
	-1.0	318.1	-5.2	9348.2	608.2	300123.9
263.	1.1	-1672.6	5.2	9914.4	-887.1	261069.8
	-1.0	-1624.6	-5.2	9348.2	883.5	265706.9
316.	1.1	-3615.3	5.2	9914.4	-1159.2	121766.0
	-1.0	-3567.3	-5.2	9348.2	1158.8	128934.5
369.	1.1	-5558.0	5.2	9914.4	-1431.3	-119893.1
	-1.0	-5509.9	-5.2	9348.2	1434.2	-110193.2
422.	1.1	-7500.7	5.2	9914.4	-1703.5	-463907.6
	-1.0	-7452.6	-5.2	9348.2	1709.5	-451676.3
Asta	131	nodì	44	42		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3.0	8544.0	0.2	13745.9	66.4	-603911.5
	-3.3	8589.6	0.2	13042.1	58.5	-612842.2
58.	-3.0	6403.2	0.2	13745.9	54.6	-169975.3
	-3.3	6448.8	0.2	13042.1	48.4	-176258.4
116.	-3.0	4262.3	0.2	13745.9	42.9	139656.3
	-3.3	4307.9	0.2	13042.1	38.2	136020.8
174.	-3.0	2121.4	0.2	13745.9	31.1	324983.5
	-3.3	2167.0	0.2	13042.1	28.1	323995.5
232.	-3.0	-19.5	0.2	13745.9	19.4	386006.1
	-3.3	26.1	0.2	13042.1	18.0	387665.6
290.	-3.0	-2160.3	0.2	13745.9	7.6	322724.1
	-3.3	-2114.7	0.2	13042.1	7.8	327031.2
348.	-3.0	-4301.2	0.2	13745.9	-4.2	135137.7
	-3.3	-4255.6	0.2	13042.1	-2.3	142092.3
406.	-3.0	-6442.1	0.2	13745.9	-15.9	-176753.3
	-3.3	-6396.5	0.2	13042.1	-12.5	-167151.2
465.	-3.0	-8583.0	0.2	13745.9	-27.7	-612948.9
	-3.3	-8537.4	0.2	13042.1	-22.6	-600699.2
Asta	132	nodì	40	38		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.2	8464.4	-1.3	-16955.7	-188.0	-590605.7
	-1.6	8510.3	1.2	-17624.9	171.4	-602943.7
58.	-1.2	6323.5	-1.3	-16955.7	-111.3	-161295.2
	-1.6	6369.5	1.2	-17624.9	100.9	-170964.4
116.	-1.2	4182.6	-1.3	-16955.7	-34.5	143710.8
	-1.6	4228.6	1.2	-17624.9	30.3	136710.4
174.	-1.2	2041.8	-1.3	-16955.7	42.2	324412.3
	-1.6	2087.7	1.2	-17624.9	-40.2	320080.6
232.	-1.2	-99.1	-1.3	-16955.7	119.0	380809.2
	-1.6	-53.2	1.2	-17624.9	-110.8	379146.2
290.	-1.2	-2240.0	-1.3	-16955.7	195.7	312901.6
	-1.6	-2194.0	1.2	-17624.9	-181.3	313907.4
348.	-1.2	-4380.9	-1.3	-16955.7	272.4	120689.5

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406.	-1.6	-4334.9	1.2	-17624.9	-251.9	124363.9
	-1.2	-6521.7	-1.3	-16955.7	349.2	-195827.2
	-1.6	-6475.8	1.2	-17624.9	-322.4	-189484.0
465.	-1.2	-8662.6	-1.3	-16955.7	425.9	-636648.4
	-1.6	-8616.7	1.2	-17624.9	-392.9	-627636.5
Asta	133	nodì	46	44		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.1	6940.9	0.1	-24771.2	-10.1	-408518.9
	-0.3	6993.9	0.1	-25475.7	-22.1	-421169.1
49.	-0.1	5131.9	0.1	-24771.2	-15.8	-112356.3
	-0.3	5184.9	0.1	-25475.7	-24.9	-122407.9
98.	-0.1	3322.9	0.1	-24771.2	-21.6	95050.8
	-0.3	3375.9	0.1	-25475.7	-27.7	87597.8
147.	-0.1	1513.9	0.1	-24771.2	-27.4	213702.5
	-0.3	1566.8	0.1	-25475.7	-30.5	208848.2
196.	-0.1	-295.2	0.1	-24771.2	-33.2	243598.8
	-0.3	-242.2	0.1	-25475.7	-33.3	241343.1
245.	-0.1	-2104.2	0.1	-24771.2	-39.0	184739.7
	-0.3	-2051.2	0.1	-25475.7	-36.1	185082.6
294.	-0.1	-3913.2	0.1	-24771.2	-44.8	37125.2
	-0.3	-3860.3	0.1	-25475.7	-39.0	40066.7
343.	-0.1	-5722.2	0.1	-24771.2	-50.5	-199244.7
	-0.3	-5669.3	0.1	-25475.7	-41.8	-193704.6
393.	-0.1	-7531.3	0.1	-24771.2	-56.3	-524370.1
	-0.3	-7478.3	0.1	-25475.7	-44.6	-516231.4
Asta	134	nodì	40	32		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2.4	4062.7	-0.1	-8392.0	27.4	-309612.6
	-3.0	4047.0	1.0	-10510.8	113.3	-305755.5
45.	-2.4	3255.2	-0.1	-8392.0	29.9	-146560.1
	-3.0	3239.5	1.0	-10510.8	68.7	-143403.1
89.	-2.4	2447.8	-0.1	-8392.0	32.4	-19490.6
	-3.0	2432.0	1.0	-10510.8	24.0	-17033.7
134.	-2.4	1640.3	-0.1	-8392.0	34.9	71596.0
	-3.0	1624.6	1.0	-10510.8	-20.7	73352.7
178.	-2.4	832.8	-0.1	-8392.0	37.4	126699.5
	-3.0	817.1	1.0	-10510.8	-65.3	127756.1
223.	-2.4	25.3	-0.1	-8392.0	39.9	145820.1
	-3.0	9.6	1.0	-10510.8	-110.0	146176.5
267.	-2.4	-782.1	-0.1	-8392.0	42.4	128957.7
	-3.0	-797.8	1.0	-10510.8	-154.7	128613.9
312.	-2.4	-1589.6	-0.1	-8392.0	44.9	76112.2
	-3.0	-1605.3	1.0	-10510.8	-199.3	75068.3
357.	-2.4	-2397.1	-0.1	-8392.0	47.4	-12716.2
	-3.0	-2412.8	1.0	-10510.8	-244.0	-14460.2
Asta	135	nodì	42	30		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-4.6	3860.7	-1.0	-7418.2	-136.4	-281451.3
	-4.0	3875.8	-1.0	-9686.7	-136.4	-285170.6
45.	-4.6	3053.3	-1.0	-7418.2	-91.8	-127398.4
	-4.0	3068.4	-1.0	-9686.7	-91.4	-130444.5
89.	-4.6	2245.8	-1.0	-7418.2	-47.1	-9328.6
	-4.0	2260.9	-1.0	-9686.7	-46.4	-11701.5
134.	-4.6	1438.3	-1.0	-7418.2	-2.5	72758.3
	-4.0	1453.4	-1.0	-9686.7	-1.4	71058.6
178.	-4.6	630.9	-1.0	-7418.2	42.1	118862.1
	-4.0	646.0	-1.0	-9686.7	43.7	117835.7
223.	-4.6	-176.6	-1.0	-7418.2	86.7	128983.0
	-4.0	-161.5	-1.0	-9686.7	88.7	128629.8
267.	-4.6	-984.1	-1.0	-7418.2	131.3	103120.9
	-4.0	-969.0	-1.0	-9686.7	133.7	103440.9
312.	-4.6	-1791.6	-1.0	-7418.2	175.9	41275.8
	-4.0	-1776.5	-1.0	-9686.7	178.7	42269.0
357.	-4.6	-2599.0	-1.0	-7418.2	220.5	-56552.4
	-4.0	-2583.9	-1.0	-9686.7	223.7	-54885.9
Asta	136	nodì	50	32		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	4265.5	-2.6	-3081.0	-500.9	-193842.8
	-2.9	4313.2	-1.3	-3376.4	-420.1	-201123.0
39.	0.0	2921.0	-2.6	-3081.0	-399.2	-53929.9
	-2.9	2968.6	-1.3	-3376.4	-368.7	-59354.9
78.	0.0	1576.4	-2.6	-3081.0	-297.4	33629.3
	-2.9	1624.1	-1.3	-3376.4	-317.2	30059.4
117.	0.0	231.9	-2.6	-3081.0	-195.7	68834.7
	-2.9	279.5	-1.3	-3376.4	-265.8	67120.0
156.	0.0	-1112.7	-2.6	-3081.0	-94.0	51686.4
	-2.9	-1065.0	-1.3	-3376.4	-214.3	51826.8
195.	0.0	-2457.2	-2.6	-3081.0	7.8	-17815.7
	-2.9	-2409.6	-1.3	-3376.4	-162.9	-15820.1
234.	0.0	-3801.8	-2.6	-3081.0	109.5	-139671.5
	-2.9	-3754.2	-1.3	-3376.4	-111.4	-135820.8
273.	0.0	-5146.4	-2.6	-3081.0	211.2	-313881.1
	-2.9	-5098.7	-1.3	-3376.4	-60.0	-308175.3
312.	0.0	-6490.9	-2.6	-3081.0	312.9	-540444.5
	-2.9	-6443.3	-1.3	-3376.4	-8.5	-532883.4
Asta	137	nodì	52	50		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.4	5669.9	0.5	-1471.6	319.7	-273224.9
	-1.4	5726.4	0.1	-1589.9	284.3	-282518.8

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41.	-0.4	4254.1	0.5	-1471.6	300.3	-69783.8
	-1.4	4310.7	0.1	-1589.9	280.2	-76758.4
82.	-0.4	2838.3	0.5	-1471.6	280.9	75610.3
	-1.4	2894.9	0.1	-1589.9	276.2	70955.1
123.	-0.4	1422.5	0.5	-1471.6	261.5	162957.6
	-1.4	1479.1	0.1	-1589.9	272.2	160621.6
164.	-0.4	6.8	0.5	-1471.6	242.1	192257.9
	-1.4	63.3	0.1	-1589.9	268.1	192241.2
205.	-0.4	-1409.0	0.5	-1471.6	222.7	163511.2
	-1.4	-1352.5	0.1	-1589.9	264.1	165813.8
246.	-0.4	-2824.8	0.5	-1471.6	203.3	76717.6
	-1.4	-2768.2	0.1	-1589.9	260.0	81339.5
287.	-0.4	-4240.6	0.5	-1471.6	183.9	-68123.0
	-1.4	-4184.0	0.1	-1589.9	256.0	-61181.8
328.	-0.4	-5656.4	0.5	-1471.6	164.5	-271010.5
	-1.4	-5599.8	0.1	-1589.9	252.0	-261750.0
Asta	138	nodì	30	52		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	1.2	6129.4	1.7	-4216.8	50.8	-466640.9
	0.0	6175.8	1.7	-4471.1	50.6	-473728.3
38.	1.2	4802.1	1.7	-4216.8	-12.7	-256552.7
	0.0	4848.5	1.7	-4471.1	-14.1	-261855.8
77.	1.2	3474.8	1.7	-4216.8	-76.1	-97482.4
	0.0	3521.2	1.7	-4471.1	-78.7	-101001.1
115.	1.2	2147.5	1.7	-4216.8	-139.6	10570.2
	0.0	2193.9	1.7	-4471.1	-143.4	8835.8
154.	1.2	820.2	1.7	-4216.8	-203.0	67604.9
	0.0	866.6	1.7	-4471.1	-208.1	67654.8
192.	1.2	-507.1	1.7	-4216.8	-266.5	73621.8
	0.0	-460.7	1.7	-4471.1	-272.7	75456.1
231.	1.2	-1834.4	1.7	-4216.8	-329.9	28620.8
	0.0	-1788.0	1.7	-4471.1	-337.4	32239.5
269.	1.2	-3161.7	1.7	-4216.8	-393.4	-67397.9
	0.0	-3115.3	1.7	-4471.1	-402.1	-61995.0
308.	1.2	-4489.0	1.7	-4216.8	-456.9	-214434.5
	0.0	-4442.6	1.7	-4471.1	-466.7	-207247.2
Asta	139	nodì	111	2		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.6	5600.7	0.4	31308.1	196.7	-565246.4
	-0.5	5608.8	0.4	31788.0	199.0	-567443.8
76.	-0.6	4222.5	0.4	31308.1	164.3	-191657.0
	-0.5	4230.6	0.4	31788.0	165.8	-193240.3
152.	-0.6	2844.2	0.4	31308.1	131.8	77099.1
	-0.5	2852.3	0.4	31788.0	132.5	76129.9
228.	-0.6	1466.0	0.4	31308.1	99.4	241021.9
	-0.5	1474.1	0.4	31788.0	99.3	240666.7
304.	-0.6	87.7	0.4	31308.1	67.0	300111.3
	-0.5	95.8	0.4	31788.0	66.1	300370.3
380.	-0.6	-1290.5	0.4	31308.1	34.5	254367.4
	-0.5	-1282.5	0.4	31788.0	32.8	255240.5
456.	-0.6	-2668.8	0.4	31308.1	2.1	103790.2
	-0.5	-2660.7	0.4	31788.0	-0.4	105277.3
532.	-0.6	-4047.0	0.4	31308.1	-30.3	-151620.4
	-0.5	-4039.0	0.4	31788.0	-33.6	-149519.2
609.	-0.6	-5425.3	0.4	31308.1	-62.7	-511864.2
	-0.5	-5417.2	0.4	31788.0	-66.9	-509149.0
Asta	140	nodì	112	111		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	2.1	36.5	6.1	-136820.2	1052.6	270510.0
	2.2	8.9	6.2	-135979.5	1066.4	274203.6
39.	2.1	-670.1	6.1	-136820.2	815.1	258154.5
	2.2	-697.8	6.2	-135979.5	825.9	260771.6
78.	2.1	-1376.8	6.1	-136820.2	577.7	218238.4
	2.2	-1404.4	6.2	-135979.5	585.3	219779.0
117.	2.1	-2083.5	6.1	-136820.2	340.2	150761.9
	2.2	-2111.1	6.2	-135979.5	344.8	151225.9
156.	2.1	-2790.2	6.1	-136820.2	102.7	55724.8
	2.2	-2817.8	6.2	-135979.5	104.3	55112.4
195.	2.1	-3496.9	6.1	-136820.2	-134.8	-66872.9
	2.2	-3524.5	6.2	-135979.5	-136.3	-68561.8
234.	2.1	-4203.5	6.1	-136820.2	-372.2	-217031.0
	2.2	-4231.2	6.2	-135979.5	-376.8	-219796.4
273.	2.1	-4910.2	6.1	-136820.2	-609.7	-394749.7
	2.2	-4937.8	6.2	-135979.5	-617.3	-398591.5
312.	2.1	-5616.9	6.1	-136820.2	-847.2	-600028.8
	2.2	-5644.5	6.2	-135979.5	-857.9	-604947.2
Asta	141	nodì	46	112		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2.1	5114.2	2.8	47021.0	289.0	-475903.1
	-2.1	5116.5	2.8	45451.1	287.9	-474918.9
45.	-2.1	4306.7	2.8	47021.0	164.9	-265993.4
	-2.1	4309.0	2.8	45451.1	162.9	-264907.7
89.	-2.1	3499.2	2.8	47021.0	40.9	-92066.7
	-2.1	3501.5	2.8	45451.1	37.9	-90879.5
134.	-2.1	2691.8	2.8	47021.0	-83.1	45877.0
	-2.1	2694.1	2.8	45451.1	-87.1	47165.8
178.	-2.1	1884.3	2.8	47021.0	-207.2	147837.8
	-2.1	1886.6	2.8	45451.1	-212.1	149228.0
223.	-2.1	1076.8	2.8	47021.0	-331.2	213815.5
	-2.1	1079.1	2.8	45451.1	-337.1	215307.2

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267.	-2.1	269.4	2.8	47021.0	-455.2	243810.3
	-2.1	271.6	2.8	45451.1	-462.1	245403.4
312.	-2.1	-538.1	2.8	47021.0	-579.2	237822.0
	-2.1	-535.8	2.8	45451.1	-587.1	239516.7
357.	-2.1	-1345.6	2.8	47021.0	-703.3	195850.8
	-2.1	-1343.3	2.8	45451.1	-712.0	197646.9
Asta	142	nodì	13	11		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-25.0	4300.2	17.7	19546.6	910.7	133900.0
	-29.6	4432.1	-69.3	19602.4	-3977.2	120403.1
34.	-25.0	2301.7	17.7	19546.6	304.1	246957.4
	-29.6	2433.7	-69.3	19602.4	-1604.2	237979.7
69.	-25.0	303.3	17.7	19546.6	-302.5	291568.6
	-29.6	435.2	-69.3	19602.4	768.8	287110.0
103.	-25.0	-1695.1	17.7	19546.6	-909.1	267733.4
	-29.6	-1563.2	-69.3	19602.4	3141.8	267794.0
137.	-25.0	-3693.6	17.7	19546.6	-1515.7	175452.0
	-29.6	-3561.6	-69.3	19602.4	5514.8	180031.7
171.	-25.0	-5692.0	17.7	19546.6	-2122.3	14724.4
	-29.6	-5560.0	-69.3	19602.4	7887.7	23823.2
206.	-25.0	-7690.4	17.7	19546.6	-2728.9	-214449.6
	-29.6	-7558.5	-69.3	19602.4	10260.7	-200831.6
240.	-25.0	-9688.9	17.7	19546.6	-3335.5	-512069.8
	-29.6	-9556.9	-69.3	19602.4	12633.7	-493932.7
274.	-25.0	-11687.3	17.7	19546.6	-3942.1	-878136.3
	-29.6	-11555.3	-69.3	19602.4	15006.7	-855480.1
Asta	143	nodì	15	13		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	17.3	7393.7	-4.2	3751.3	-195.7	-226623.1
	11.2	7487.1	15.1	3697.6	793.6	-239714.6
34.	17.3	5431.7	-4.2	3751.3	-55.5	-10996.8
	11.2	5525.2	15.1	3697.6	284.9	-20945.6
67.	17.3	3469.7	-4.2	3751.3	84.7	138658.5
	11.2	3563.2	15.1	3697.6	-223.7	131852.5
101.	17.3	1507.8	-4.2	3751.3	224.9	222342.8
	11.2	1601.2	15.1	3697.6	-732.4	218679.5
135.	17.3	-454.2	-4.2	3751.3	365.1	240056.0
	11.2	-360.7	15.1	3697.6	-1241.0	239535.4
168.	17.3	-2416.2	-4.2	3751.3	505.3	191798.2
	11.2	-2322.7	15.1	3697.6	-1749.6	194420.4
202.	17.3	-4378.1	-4.2	3751.3	645.5	77569.4
	11.2	-4284.7	15.1	3697.6	-2258.3	83334.3
235.	17.3	-6340.1	-4.2	3751.3	785.7	-102630.4
	11.2	-6246.6	15.1	3697.6	-2766.9	-93722.8
269.	17.3	-8302.0	-4.2	3751.3	925.9	-348801.3
	11.2	-8208.6	15.1	3697.6	-3275.6	-336751.0
Asta	144	nodì	17	15		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	15.9	9792.8	0.2	624.1	-86.4	-510253.8
	12.1	9855.3	-3.2	547.0	-321.0	-520547.0
41.	15.9	7404.2	0.2	624.1	-94.7	-158251.5
	12.1	7466.7	-3.2	547.0	-192.0	-165987.1
82.	15.9	5015.6	0.2	624.1	-103.0	95966.0
	12.1	5078.0	-3.2	547.0	-63.1	90787.9
123.	15.9	2626.9	0.2	624.1	-111.3	252398.8
	12.1	2689.4	-3.2	547.0	65.9	249778.2
164.	15.9	238.3	0.2	624.1	-119.6	311046.7
	12.1	300.8	-3.2	547.0	194.8	310983.6
205.	15.9	-2150.3	0.2	624.1	-127.9	271909.9
	12.1	-2087.9	-3.2	547.0	323.8	274404.3
246.	15.9	-4539.0	0.2	624.1	-136.2	134988.2
	12.1	-4476.5	-3.2	547.0	452.8	140040.1
287.	15.9	-6927.6	0.2	624.1	-144.4	-99718.2
	12.1	-6865.1	-3.2	547.0	581.7	-92108.8
328.	15.9	-9316.2	0.2	624.1	-152.7	-432209.5
	12.1	-9253.8	-3.2	547.0	710.7	-422042.5
Asta	145	nodì	19	17		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	23.5	9979.2	0.4	33.0	38.5	-594327.7
	21.1	10055.1	1.1	-49.3	74.8	-606506.8
41.	23.5	7594.2	0.4	33.0	21.8	-235172.4
	21.1	7670.1	1.1	-49.3	31.7	-244249.1
82.	23.5	5209.2	0.4	33.0	5.0	26496.6
	21.1	5285.1	1.1	-49.3	-11.4	20522.1
123.	23.5	2824.2	0.4	33.0	-11.7	190679.1
	21.1	2900.1	1.1	-49.3	-54.5	187806.9
164.	23.5	439.2	0.4	33.0	-28.4	257375.1
	21.1	515.1	1.1	-49.3	-97.6	257605.3
204.	23.5	-1945.8	0.4	33.0	-45.1	226584.8
	21.1	-1869.9	1.1	-49.3	-140.7	229917.3
245.	23.5	-4330.8	0.4	33.0	-61.8	98307.9
	21.1	-4254.9	1.1	-49.3	-183.8	104742.7
286.	23.5	-6715.8	0.4	33.0	-78.5	-127455.3
	21.1	-6639.9	1.1	-49.3	-226.9	-117918.2
327.	23.5	-9100.7	0.4	33.0	-95.2	-450705.1
	21.1	-9024.8	1.1	-49.3	-270.0	-438065.6
Asta	146	nodì	21	19		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	15.5	9547.7	-0.1	-735.6	-57.1	-541483.4

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41.	14.3	9621.6	-0.4	-815.6	-83.6	-553751.8
	15.5	7155.5	-0.1	-735.6	-51.7	-199067.4
82.	14.3	7229.3	-0.4	-815.6	-67.5	-208308.3
	15.5	4763.2	-0.1	-735.6	-46.3	45264.9
123.	14.3	4837.0	-0.4	-815.6	-51.5	39051.5
	15.5	2370.9	-0.1	-735.6	-40.8	191513.6
164.	14.3	2444.7	-0.4	-815.6	-35.5	188327.7
	15.5	-21.4	-0.1	-735.6	-35.4	239678.8
205.	14.3	52.5	-0.4	-815.6	-19.5	239520.3
	15.5	-2413.7	-0.1	-735.6	-30.0	189760.3
246.	14.3	-2339.8	-0.4	-815.6	-3.5	192629.3
	15.5	-4805.9	-0.1	-735.6	-24.5	41758.3
287.	14.3	-4732.1	-0.4	-815.6	12.5	47654.7
	15.5	-7198.2	-0.1	-735.6	-19.1	-204327.4
328.	14.3	-7124.4	-0.4	-815.6	28.5	-195403.5
	15.5	-9590.5	-0.1	-735.6	-13.7	-548496.7
	14.3	-9516.7	-0.4	-815.6	44.5	-536545.3
Asta	147	nod	23	21		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	12.8	9036.0	-0.5	-4869.9	-298.5	-451428.9
	11.4	9104.0	-0.5	-4929.6	-315.7	-462605.2
41.	12.8	6654.7	-0.5	-4869.9	-279.7	-131241.7
	11.4	6722.6	-0.5	-4929.6	-294.2	-139643.1
82.	12.8	4273.3	-0.5	-4869.9	-260.9	91757.0
	11.4	4341.3	-0.5	-4929.6	-272.7	86130.6
122.	12.8	1892.0	-0.5	-4869.9	-242.1	217567.1
	11.4	1960.0	-0.5	-4929.6	-251.3	214715.7
163.	12.8	-489.4	-0.5	-4869.9	-223.3	246188.6
	11.4	-421.4	-0.5	-4929.6	-229.8	246112.2
204.	12.8	-2870.7	-0.5	-4869.9	-204.4	177621.6
	11.4	-2802.7	-0.5	-4929.6	-208.4	180320.2
245.	12.8	-5252.1	-0.5	-4869.9	-185.6	11866.1
	11.4	-5184.1	-0.5	-4929.6	-186.9	17339.6
286.	12.8	-7633.4	-0.5	-4869.9	-166.8	-251078.0
	11.4	-7565.4	-0.5	-4929.6	-165.5	-242829.5
327.	12.8	-10014.7	-0.5	-4869.9	-148.0	-611210.6
	11.4	-9946.8	-0.5	-4929.6	-144.0	-600187.1
Asta	148	nod	25	23		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-5.9	9046.6	7.3	-29118.2	1821.6	-408049.3
	-6.8	9115.2	7.4	-29060.8	1834.0	-418891.5
41.	-5.9	6647.0	7.3	-29118.2	1519.4	-85348.1
	-6.8	6715.6	7.4	-29060.8	1531.4	-93371.9
82.	-5.9	4247.5	7.3	-29118.2	1217.3	138670.5
	-6.8	4316.0	7.4	-29060.8	1228.8	133465.2
123.	-5.9	1847.9	7.3	-29118.2	915.2	264006.6
	-6.8	1916.4	7.4	-29060.8	926.3	261619.7
165.	-5.9	-551.7	7.3	-29118.2	613.0	290660.1
	-6.8	-483.1	7.4	-29060.8	623.7	291091.6
206.	-5.9	-2951.3	7.3	-29118.2	310.9	218631.0
	-6.8	-2882.7	7.4	-29060.8	321.2	221880.9
247.	-5.9	-5350.8	7.3	-29118.2	8.8	47919.3
	-6.8	-5282.3	7.4	-29060.8	18.6	53987.7
288.	-5.9	-7750.4	7.3	-29118.2	-293.3	-221475.0
	-6.8	-7681.9	7.4	-29060.8	-284.0	-212588.2
329.	-5.9	-10150.0	7.3	-29118.2	-595.5	-589551.9
	-6.8	-10081.5	7.4	-29060.8	-586.5	-577846.6
Asta	149	nod	55	25		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	2.4	10924.2	-32.1	20653.0	-8776.4	-533253.2
	2.9	11011.2	-32.6	20438.5	-8907.5	-549989.9
45.	2.4	8305.9	-32.1	20653.0	-7334.5	-101777.9
	2.9	8392.8	-32.6	20438.5	-7443.2	-114612.1
90.	2.4	5687.5	-32.1	20653.0	-5892.6	212197.4
	2.9	5774.4	-32.6	20438.5	-5979.0	203265.8
135.	2.4	3069.1	-32.1	20653.0	-4450.7	408672.8
	2.9	3156.1	-32.6	20438.5	-4514.8	403643.7
180.	2.4	450.7	-32.1	20653.0	-3008.8	487648.2
	2.9	537.7	-32.6	20438.5	-3050.5	486521.7
224.	2.4	-2167.7	-32.1	20653.0	-1566.9	449123.8
	2.9	-2080.7	-32.6	20438.5	-1586.3	451899.7
269.	2.4	-4786.1	-32.1	20653.0	-125.0	293099.4
	2.9	-4699.1	-32.6	20438.5	-122.0	299777.8
314.	2.4	-7404.4	-32.1	20653.0	1316.9	19575.0
	2.9	-7317.5	-32.6	20438.5	1342.2	30156.0
359.	2.4	-10022.8	-32.1	20653.0	2758.8	-371449.3
	2.9	-9935.9	-32.6	20438.5	2806.4	-356965.7
Asta	150	nod	105	55		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	10.4	17043.2	-79.0	-27588.8	3196.1	-1266841.0
	11.1	17178.9	-80.0	-27410.5	3257.1	-1280381.2
19.	10.4	15949.2	-79.0	-27588.8	4677.4	-957537.7
	11.1	16084.9	-80.0	-27410.5	4756.3	-968533.4
38.	10.4	14855.1	-79.0	-27588.8	6158.7	-668747.6
	11.1	14990.8	-80.0	-27410.5	6255.5	-677198.7
56.	10.4	13761.1	-79.0	-27588.8	7640.0	-400470.5
	11.1	13896.8	-80.0	-27410.5	7754.6	-406377.1
75.	10.4	12667.1	-79.0	-27588.8	9121.3	-152706.5
	11.1	12802.8	-80.0	-27410.5	9253.8	-156068.6
94.	10.4	11573.0	-79.0	-27588.8	10602.6	74544.3

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113.	11.1	11708.7	-80.0	-27410.5	10752.9	73726.8
	10.4	10479.0	-79.0	-27588.8	12084.0	281282.1
	11.1	10614.7	-80.0	-27410.5	12252.1	283009.1
131.	10.4	9385.0	-79.0	-27588.8	13565.3	467506.8
	11.1	9520.7	-80.0	-27410.5	13751.3	471778.3
150.	10.4	8290.9	-79.0	-27588.8	15046.6	633218.4
	11.1	8426.6	-80.0	-27410.5	15250.4	640034.4
Asta	151	nodì	27	29		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-6.9	6470.7	8.3	-38630.4	1681.5	-203681.0
	-6.2	6549.3	8.4	-38367.0	1698.2	-216672.7
44.	-6.9	4509.1	8.3	-38630.4	1320.5	35129.2
	-6.2	4587.7	8.4	-38367.0	1332.3	25556.8
87.	-6.9	2547.6	8.3	-38630.4	959.6	188612.0
	-6.2	2626.2	8.4	-38367.0	966.4	182458.8
131.	-6.9	586.0	8.3	-38630.4	598.7	256767.4
	-6.2	664.6	8.4	-38367.0	600.5	254033.5
174.	-6.9	-1375.5	8.3	-38630.4	237.7	239595.4
	-6.2	-1296.9	8.4	-38367.0	234.6	240280.7
218.	-6.9	-3337.1	8.3	-38630.4	-123.2	137096.0
	-6.2	-3258.5	8.4	-38367.0	-131.3	141200.5
261.	-6.9	-5298.6	8.3	-38630.4	-484.2	-50730.9
	-6.2	-5220.0	8.4	-38367.0	-497.2	-43207.1
305.	-6.9	-7260.2	8.3	-38630.4	-845.1	-323885.2
	-6.2	-7181.6	8.4	-38367.0	-863.1	-312942.2
348.	-6.9	-9221.7	8.3	-38630.4	-1206.1	-682366.9
	-6.2	-9143.1	8.4	-38367.0	-1229.0	-668004.6
Asta	152	nodì	47	27		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-17.3	7514.7	-26.4	35896.3	-7145.9	-211592.1
	-15.8	7582.1	-26.9	35826.5	-7253.8	-224457.0
45.	-17.3	5491.2	-26.4	35896.3	-5959.9	80227.1
	-15.8	5558.6	-26.9	35826.5	-6048.7	70387.5
90.	-17.3	3467.6	-26.4	35896.3	-4773.9	281239.3
	-15.8	3535.0	-26.9	35826.5	-4843.7	274425.2
135.	-17.3	1444.1	-26.4	35896.3	-3587.9	391444.6
	-15.8	1511.5	-26.9	35826.5	-3638.7	387655.9
180.	-17.3	-579.5	-26.4	35896.3	-2401.9	410842.9
	-15.8	-512.1	-26.9	35826.5	-2433.6	410079.6
224.	-17.3	-2603.1	-26.4	35896.3	-1215.9	339434.4
	-15.8	-2535.6	-26.9	35826.5	-1228.6	341696.4
269.	-17.3	-4626.6	-26.4	35896.3	-30.0	177218.9
	-15.8	-4559.2	-26.9	35826.5	-23.6	182506.3
314.	-17.3	-6650.2	-26.4	35896.3	1156.0	-75803.6
	-15.8	-6582.7	-26.9	35826.5	1181.5	-67490.7
359.	-17.3	-8673.7	-26.4	35896.3	2342.0	-419633.0
	-15.8	-8606.3	-26.9	35826.5	2386.5	-408294.7
Asta	153	nodì	106	47		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-21.4	12341.3	-194.1	28621.5	-11814.2	-710118.0
	-21.7	12502.7	-196.5	29632.9	-11938.2	-722736.7
19.	-21.4	11495.8	-194.1	28621.5	-8175.2	-486645.1
	-21.7	11657.2	-196.5	29632.9	-8254.2	-496238.0
38.	-21.4	10650.3	-194.1	28621.5	-4536.1	-279025.3
	-21.7	10811.7	-196.5	29632.9	-4570.3	-285592.3
56.	-21.4	9804.8	-194.1	28621.5	-897.1	-87258.5
	-21.7	9966.2	-196.5	29632.9	-886.3	-90799.7
75.	-21.4	8959.3	-194.1	28621.5	2741.9	88655.3
	-21.7	9120.7	-196.5	29632.9	2797.6	88139.9
94.	-21.4	8113.8	-194.1	28621.5	6381.0	248716.0
	-21.7	8275.2	-196.5	29632.9	6481.5	251226.4
113.	-21.4	7268.3	-194.1	28621.5	10020.0	392923.7
	-21.7	7429.7	-196.5	29632.9	10165.5	398459.9
131.	-21.4	6422.8	-194.1	28621.5	13659.0	521278.3
	-21.7	6584.2	-196.5	29632.9	13849.4	529840.4
150.	-21.4	5577.3	-194.1	28621.5	17298.1	633779.9
	-21.7	5738.7	-196.5	29632.9	17533.4	645367.8
Asta	154	nodì	53	104		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-16.2	9324.6	19.8	-8714.1	2164.5	-476313.1
	-19.7	9387.8	33.9	-8364.8	3539.0	-488020.4
56.	-16.2	6810.6	19.8	-8714.1	1061.4	-26543.9
	-19.7	6873.9	33.9	-8364.8	1647.2	-34724.8
112.	-16.2	4296.7	19.8	-8714.1	-41.7	283073.0
	-19.7	4360.0	33.9	-8364.8	-244.5	278418.7
167.	-16.2	1782.8	19.8	-8714.1	-1144.8	452537.8
	-19.7	1846.0	33.9	-8364.8	-2136.2	451410.0
223.	-16.2	-731.2	19.8	-8714.1	-2247.9	481850.4
	-19.7	-667.9	33.9	-8364.8	-4028.0	484249.1
279.	-16.2	-3245.1	19.8	-8714.1	-3351.0	371010.8
	-19.7	-3181.9	33.9	-8364.8	-5919.7	376936.1
335.	-16.2	-5759.1	19.8	-8714.1	-4454.1	120019.1
	-19.7	-5695.8	33.9	-8364.8	-7811.4	129470.8
390.	-16.2	-8273.0	19.8	-8714.1	-5557.2	-271124.8
	-19.7	-8209.7	33.9	-8364.8	-9703.2	-258146.6
446.	-16.2	-10786.9	19.8	-8714.1	-6660.3	-802420.9
	-19.7	-10723.7	33.9	-8364.8	-11594.9	-785916.1
Asta	156	nodì	31	53		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ

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0.	12.5	10757.4	-6.3	2279.7	-1163.0	-858869.9
	8.5	10810.6	-9.5	2429.4	-1431.0	-871102.4
55.	12.5	8277.3	-6.3	2279.7	-816.5	-335416.5
	8.5	8330.5	-9.5	2429.4	-908.1	-344721.2
110.	12.5	5797.2	-6.3	2279.7	-470.0	51630.2
	8.5	5850.4	-9.5	2429.4	-385.2	45253.4
165.	12.5	3317.0	-6.3	2279.7	-123.4	302270.2
	8.5	3370.3	-9.5	2429.4	137.7	298821.4
220.	12.5	836.9	-6.3	2279.7	223.1	416503.7
	8.5	890.1	-9.5	2429.4	660.6	415982.8
275.	12.5	-1643.2	-6.3	2279.7	569.6	394330.5
	8.5	-1590.0	-9.5	2429.4	1183.5	396737.5
330.	12.5	-4123.3	-6.3	2279.7	916.1	235750.7
	8.5	-4070.1	-9.5	2429.4	1706.4	241085.6
385.	12.5	-6603.5	-6.3	2279.7	1262.6	-59235.8
	8.5	-6550.2	-9.5	2429.4	2229.3	-50973.0
440.	12.5	-9083.6	-6.3	2279.7	1609.2	-490628.8
	8.5	-9030.3	-9.5	2429.4	2752.2	-479438.1
Asta	157	nodì	14	12		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	7.8	5340.8	87.9	24498.8	4786.5	4843.8
	-1.9	5461.4	-90.2	24465.2	-4798.9	-6362.6
34.	7.8	3342.4	87.9	24498.8	1775.0	153543.7
	-1.9	3462.9	-90.2	24465.2	-1707.8	146465.9
69.	7.8	1344.0	87.9	24498.8	-1236.6	233797.3
	-1.9	1464.5	-90.2	24465.2	1383.2	230848.1
103.	7.8	-654.5	87.9	24498.8	-4248.1	245604.6
	-1.9	-533.9	-90.2	24465.2	4474.3	246784.0
137.	7.8	-2652.9	87.9	24498.8	-7259.6	188965.7
	-1.9	-2532.4	-90.2	24465.2	7565.3	194273.7
171.	7.8	-4651.3	87.9	24498.8	-10271.1	63880.5
	-1.9	-4530.8	-90.2	24465.2	10656.4	73317.0
206.	7.8	-6649.8	87.9	24498.8	-13282.7	-129651.0
	-1.9	-6529.2	-90.2	24465.2	13747.4	-116085.9
240.	7.8	-8648.2	87.9	24498.8	-16294.2	-391628.8
	-1.9	-8527.7	-90.2	24465.2	16838.5	-373935.1
274.	7.8	-10646.6	87.9	24498.8	-19305.7	-722052.9
	-1.9	-10526.1	-90.2	24465.2	19929.5	-700230.6
Asta	158	nodì	16	14		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	10.3	7937.1	-20.4	7795.6	-996.2	-289077.7
	2.0	8005.0	21.5	7751.7	1058.1	-299062.4
34.	10.3	5975.2	-20.4	7795.6	-309.3	-55177.6
	2.0	6043.1	21.5	7751.7	334.2	-62879.3
67.	10.3	4013.2	-20.4	7795.6	377.7	112751.4
	2.0	4081.1	21.5	7751.7	-389.7	107332.8
101.	10.3	2051.2	-20.4	7795.6	1064.6	214709.4
	2.0	2119.1	21.5	7751.7	-1113.5	211573.9
135.	10.3	89.3	-20.4	7795.6	1751.5	250696.3
	2.0	157.2	21.5	7751.7	-1837.4	249843.9
168.	10.3	-1872.7	-20.4	7795.6	2438.5	220712.3
	2.0	-1804.8	21.5	7751.7	-2561.2	222142.9
202.	10.3	-3834.7	-20.4	7795.6	3125.4	124757.2
	2.0	-3766.8	21.5	7751.7	-3285.1	128470.9
235.	10.3	-5796.6	-20.4	7795.6	3812.3	-37169.0
	2.0	-5728.7	21.5	7751.7	-4009.0	-31172.2
269.	10.3	-7758.6	-20.4	7795.6	4499.2	-265066.2
	2.0	-7690.7	21.5	7751.7	-4732.8	-256786.3
Asta	159	nodì	18	16		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	8.8	9855.1	3.9	2217.8	263.6	-507700.0
	4.0	9902.6	-3.7	2172.4	-240.7	-515426.9
41.	8.8	7466.5	3.9	2217.8	104.2	-153148.4
	4.0	7513.9	-3.7	2172.4	-88.7	-158932.6
82.	8.8	5077.8	3.9	2217.8	-55.2	103618.4
	4.0	5125.3	-3.7	2172.4	63.3	99776.9
123.	8.8	2689.2	3.9	2217.8	-214.6	262600.4
	4.0	2736.7	-3.7	2172.4	215.2	260701.7
164.	8.8	300.6	3.9	2217.8	-374.0	323797.6
	4.0	348.0	-3.7	2172.4	367.2	323841.6
205.	8.8	-2088.1	3.9	2217.8	-533.4	287210.1
	4.0	-2040.6	-3.7	2172.4	519.2	289196.7
246.	8.8	-4476.7	3.9	2217.8	-692.8	152837.7
	4.0	-4429.2	-3.7	2172.4	671.1	156767.1
287.	8.8	-6865.3	3.9	2217.8	-852.2	-79319.4
	4.0	-6817.9	-3.7	2172.4	823.1	-73447.4
328.	8.8	-9254.0	3.9	2217.8	-1011.6	-409261.4
	4.0	-9206.5	-3.7	2172.4	975.1	-401446.6
Asta	160	nodì	20	18		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	7.5	9876.6	-0.7	405.3	-56.8	-579310.9
	3.4	9936.5	1.0	362.3	51.4	-588874.5
41.	7.5	7491.6	-0.7	405.3	-26.7	-224348.5
	3.4	7551.5	1.0	362.3	10.0	-231463.1
82.	7.5	5106.6	-0.7	405.3	3.3	33127.5
	3.4	5166.5	1.0	362.3	-31.3	28461.9
123.	7.5	2721.6	-0.7	405.3	33.4	193117.0
	3.4	2781.5	1.0	362.3	-72.6	190900.4
164.	7.5	336.6	-0.7	405.3	63.4	255620.1
	3.4	396.5	1.0	362.3	-114.0	255852.5

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204.	7.5	-2048.4	-0.7	405.3	93.5	220636.7
	3.4	-1988.4	1.0	362.3	-155.3	223318.1
245.	7.5	-4433.3	-0.7	405.3	123.5	88166.9
	3.4	-4373.4	1.0	362.3	-196.7	93297.3
286.	7.5	-6818.3	-0.7	405.3	153.6	-141789.3
	3.4	-6758.4	1.0	362.3	-238.0	-134209.9
327.	7.5	-9203.3	-0.7	405.3	183.7	-469232.0
	3.4	-9143.4	1.0	362.3	-279.3	-459203.6
Asta	161	nodì	22	20		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	7.6	9547.7	0.7	-742.4	125.8	-547688.0
	5.3	9606.1	0.3	-777.0	86.5	-557442.1
41.	7.6	7155.5	0.7	-742.4	95.2	-205272.5
	5.3	7213.8	0.3	-777.0	76.2	-212634.9
82.	7.6	4763.2	0.7	-742.4	64.5	39059.3
	5.3	4821.5	0.3	-777.0	65.9	34088.8
123.	7.6	2370.9	0.7	-742.4	33.9	185307.5
	5.3	2429.2	0.3	-777.0	55.6	182728.8
164.	7.6	-21.4	0.7	-742.4	3.3	233472.2
	5.3	36.9	0.3	-777.0	45.3	233285.2
205.	7.6	-2413.7	0.7	-742.4	-27.3	183553.2
	5.3	-2355.3	0.3	-777.0	34.9	185758.1
246.	7.6	-4806.0	0.7	-742.4	-57.9	35550.6
	5.3	-4747.6	0.3	-777.0	24.6	40147.3
287.	7.6	-7198.2	0.7	-742.4	-88.5	-210535.6
	5.3	-7139.9	0.3	-777.0	14.3	-203547.0
328.	7.6	-9590.5	0.7	-742.4	-119.1	-554705.4
	5.3	-9532.2	0.3	-777.0	4.0	-545325.0
Asta	162	nodì	24	22		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	6.0	9188.5	-1.4	-3196.3	-390.5	-481145.1
	3.6	9241.8	-1.4	-3200.7	-398.9	-489989.9
41.	6.0	6807.1	-1.4	-3196.3	-332.8	-154735.3
	3.6	6860.5	-1.4	-3200.7	-342.4	-161402.1
82.	6.0	4425.8	-1.4	-3196.3	-275.1	74485.9
	3.6	4479.1	-1.4	-3200.7	-285.9	69997.3
122.	6.0	2044.4	-1.4	-3196.3	-217.4	206518.6
	3.6	2097.8	-1.4	-3200.7	-229.4	204208.0
163.	6.0	-336.9	-1.4	-3196.3	-159.6	241362.7
	3.6	-283.5	-1.4	-3200.7	-172.9	241230.3
204.	6.0	-2718.3	-1.4	-3196.3	-101.9	179018.2
	3.6	-2664.9	-1.4	-3200.7	-116.4	181063.9
245.	6.0	-5099.6	-1.4	-3196.3	-44.2	19485.3
	3.6	-5046.2	-1.4	-3200.7	-59.9	23709.1
286.	6.0	-7480.9	-1.4	-3196.3	13.5	-237236.3
	3.6	-7427.6	-1.4	-3200.7	-3.4	-230834.3
327.	6.0	-9862.3	-1.4	-3196.3	71.3	-591146.3
	3.6	-9808.9	-1.4	-3200.7	53.1	-582566.3
Asta	163	nodì	26	24		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	3.4	9092.6	6.5	-11408.1	1687.2	-404794.5
	2.1	9144.9	6.5	-11306.1	1700.0	-412800.9
41.	3.4	6693.0	6.5	-11408.1	1420.2	-80204.0
	2.1	6745.3	6.5	-11306.1	1432.8	-86058.1
82.	3.4	4293.4	6.5	-11408.1	1153.3	145703.9
	2.1	4345.8	6.5	-11306.1	1165.6	142002.2
123.	3.4	1893.8	6.5	-11408.1	886.3	272929.2
	2.1	1946.2	6.5	-11306.1	898.4	271379.9
165.	3.4	-505.7	6.5	-11408.1	619.3	301471.9
	2.1	-453.4	6.5	-11306.1	631.2	302075.0
206.	3.4	-2905.3	6.5	-11408.1	352.4	231332.1
	2.1	-2853.0	6.5	-11306.1	364.0	234087.5
247.	3.4	-5304.9	6.5	-11408.1	85.4	62509.6
	2.1	-5252.6	6.5	-11306.1	96.8	67417.4
288.	3.4	-7704.5	6.5	-11408.1	-181.6	-204995.4
	2.1	-7652.1	6.5	-11306.1	-170.4	-197935.3
329.	3.4	-10104.0	6.5	-11408.1	-448.5	-571183.0
	2.1	-10051.7	6.5	-11306.1	-437.6	-561970.5
Asta	164	nodì	56	26		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	5.9	10856.0	-31.2	11717.3	-8556.8	-517421.0
	5.3	10925.5	-31.7	11629.4	-8676.9	-530911.5
45.	5.9	8237.6	-31.2	11717.3	-7154.6	-89007.5
	5.3	8307.1	-31.7	11629.4	-7254.2	-99378.8
90.	5.9	5619.2	-31.2	11717.3	-5752.4	221906.0
	5.3	5688.8	-31.7	11629.4	-5831.6	214654.0
135.	5.9	3000.9	-31.2	11717.3	-4350.2	415319.7
	5.3	3070.4	-31.7	11629.4	-4408.9	411186.8
180.	5.9	382.5	-31.2	11717.3	-2948.0	491233.4
	5.3	452.0	-31.7	11629.4	-2986.3	490219.8
224.	5.9	-2235.9	-31.2	11717.3	-1545.8	449647.2
	5.3	-2166.4	-31.7	11629.4	-1563.6	451752.8
269.	5.9	-4854.3	-31.2	11717.3	-143.6	290561.0
	5.3	-4784.8	-31.7	11629.4	-141.0	295785.8
314.	5.9	-7472.7	-31.2	11717.3	1258.6	13974.9
	5.3	-7403.2	-31.7	11629.4	1281.7	22318.9
359.	5.9	-10091.1	-31.2	11717.3	2660.8	-380111.1
	5.3	-10021.5	-31.7	11629.4	2704.4	-368647.9
Asta	165	nodì	111	56		

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PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	8.5	9230.2	-141.1	13045.1	-3818.6	-567795.6
	8.4	9424.5	-143.0	13397.4	-3871.8	-588442.0
19.	8.5	8136.1	-141.1	13045.1	-1173.8	-404986.4
	8.4	8330.5	-143.0	13397.4	-1191.1	-421988.4
38.	8.5	7042.1	-141.1	13045.1	1471.0	-262690.4
	8.4	7236.5	-143.0	13397.4	1489.5	-276047.9
56.	8.5	5948.1	-141.1	13045.1	4115.8	-140907.4
	8.4	6142.4	-143.0	13397.4	4170.2	-150620.5
75.	8.5	4854.0	-141.1	13045.1	6760.5	-39637.5
	8.4	5048.4	-143.0	13397.4	6850.8	-45706.1
94.	8.5	3760.0	-141.1	13045.1	9405.3	41119.3
	8.4	3954.4	-143.0	13397.4	9531.5	38695.1
113.	8.5	2666.0	-141.1	13045.1	12050.1	101363.0
	8.4	2860.4	-143.0	13397.4	12212.1	102583.2
131.	8.5	1571.9	-141.1	13045.1	14694.9	141093.5
	8.4	1766.3	-143.0	13397.4	14892.8	145958.3
150.	8.5	477.9	-141.1	13045.1	17339.7	160311.0
	8.4	672.3	-143.0	13397.4	17573.4	168820.2
Asta	166	nod	28	30		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	3.7	6549.0	5.6	-76642.5	1640.2	-179937.6
	1.9	6610.1	5.6	-76082.0	1650.8	-189373.5
44.	3.7	4587.4	5.6	-76642.5	1397.4	62279.9
	1.9	4648.6	5.6	-76082.0	1408.4	55502.4
87.	3.7	2625.9	5.6	-76642.5	1154.6	219170.0
	1.9	2687.0	5.6	-76082.0	1166.1	215051.0
131.	3.7	664.3	5.6	-76642.5	911.8	290732.6
	1.9	725.5	5.6	-76082.0	923.7	289272.1
174.	3.7	-1297.2	5.6	-76642.5	669.0	276967.8
	1.9	-1236.1	5.6	-76082.0	681.3	278165.8
218.	3.7	-3258.8	5.6	-76642.5	426.2	177875.7
	1.9	-3197.6	5.6	-76082.0	438.9	181732.1
261.	3.7	-5220.3	5.6	-76642.5	183.4	-6543.9
	1.9	-5159.2	5.6	-76082.0	196.6	-29.0
305.	3.7	-7181.9	5.6	-76642.5	-59.4	-276291.0
	1.9	-7120.7	5.6	-76082.0	-45.8	-267117.5
348.	3.7	-9143.4	5.6	-76642.5	-302.2	-631365.4
	1.9	-9082.3	5.6	-76082.0	-288.2	-619533.5
Asta	167	nod	48	28		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	2.7	9217.9	-31.8	82424.8	-8753.0	-654314.6
	2.1	9289.6	-32.2	82744.9	-8875.8	-669719.3
45.	2.7	7194.3	-31.8	82424.8	-7326.8	-286066.0
	2.1	7266.1	-32.2	82744.9	-7428.9	-298251.5
90.	2.7	5170.8	-31.8	82424.8	-5900.6	-8624.3
	2.1	5242.5	-32.2	82744.9	-5982.0	-17590.6
135.	2.7	3147.2	-31.8	82424.8	-4474.4	178010.5
	2.1	3219.0	-32.2	82744.9	-4535.1	172263.4
180.	2.7	1123.7	-31.8	82424.8	-3048.2	273838.3
	2.1	1195.4	-32.2	82744.9	-3088.2	271310.4
224.	2.7	-899.9	-31.8	82424.8	-1622.0	278859.2
	2.1	-828.2	-32.2	82744.9	-1641.4	279550.5
269.	2.7	-2923.4	-31.8	82424.8	-195.8	193073.1
	2.1	-2851.7	-32.2	82744.9	-194.5	196983.7
314.	2.7	-4947.0	-31.8	82424.8	1230.4	16480.1
	2.1	-4875.3	-32.2	82744.9	1252.4	23609.9
359.	2.7	-6970.5	-31.8	82424.8	2656.5	-250919.8
	2.1	-6898.8	-32.2	82744.9	2699.3	-240570.8
Asta	168	nod	112	48		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.4	-1382.1	-125.4	74659.3	-1755.8	183841.2
	-0.3	-1352.2	-127.1	76556.6	-1778.4	181430.6
19.	-0.4	-2227.6	-125.4	74659.3	596.0	150000.0
	-0.3	-2197.7	-127.1	76556.6	605.0	148149.6
38.	-0.4	-3073.1	-125.4	74659.3	2947.9	100305.7
	-0.3	-3043.2	-127.1	76556.6	2988.5	99015.6
56.	-0.4	-3918.6	-125.4	74659.3	5299.7	34758.3
	-0.3	-3888.7	-127.1	76556.6	5371.9	34028.5
75.	-0.4	-4764.1	-125.4	74659.3	7651.6	-46642.0
	-0.3	-4734.2	-127.1	76556.6	7755.3	-46811.6
94.	-0.4	-5609.6	-125.4	74659.3	10003.5	-143895.5
	-0.3	-5579.7	-127.1	76556.6	10138.8	-143504.8
113.	-0.4	-6455.1	-125.4	74659.3	12355.3	-257001.9
	-0.3	-6425.2	-127.1	76556.6	12522.2	-256051.0
131.	-0.4	-7300.6	-125.4	74659.3	14707.2	-385961.4
	-0.3	-7270.7	-127.1	76556.6	14905.7	-384450.3
150.	-0.4	-8146.1	-125.4	74659.3	17059.1	-530774.0
	-0.3	-8116.2	-127.1	76556.6	17289.1	-528702.6
Asta	169	nod	54	110		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	3.4	9798.5	-15.6	-10919.1	-1506.1	-540122.2
	-1.7	9848.4	17.4	-10353.2	1594.5	-549101.3
56.	3.4	7284.6	-15.6	-10919.1	-637.2	-63932.4
	-1.7	7334.4	17.4	-10353.2	622.0	-70131.4
112.	3.4	4770.6	-15.6	-10919.1	231.6	272105.4
	-1.7	4820.5	17.4	-10353.2	-350.5	268686.4
167.	3.4	2256.7	-15.6	-10919.1	1100.4	467990.9
	-1.7	2306.5	17.4	-10353.2	-1322.9	467351.9
223.	3.4	-257.3	-15.6	-10919.1	1969.3	523724.2

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279.	-1.7	-207.4	17.4	-10353.2	-2295.4	525865.3
	3.4	-2771.2	-15.6	-10919.1	2838.1	439305.4
335.	-1.7	-2721.3	17.4	-10353.2	-3267.8	444226.6
	3.4	-5285.1	-15.6	-10919.1	3706.9	214734.4
390.	-1.7	-5235.3	17.4	-10353.2	-4240.3	222435.6
	3.4	-7799.1	-15.6	-10919.1	4575.8	-149988.7
446.	-1.7	-7749.2	17.4	-10353.2	-5212.8	-139507.5
	3.4	-10313.0	-15.6	-10919.1	5444.6	-654864.0
	-1.7	-10263.2	17.4	-10353.2	-6185.2	-641602.8
Asta	170	nod	32	54		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	5.1	10443.0	4.0	357.9	424.4	-772230.2
	1.5	10488.2	-4.1	777.0	-273.1	-782842.0
55.	5.1	7962.9	4.0	357.9	204.5	-266066.6
	1.5	8008.1	-4.1	777.0	-47.2	-274194.3
110.	5.1	5482.8	4.0	357.9	-15.4	103690.4
	1.5	5528.0	-4.1	777.0	178.7	98046.9
165.	5.1	3002.7	4.0	357.9	-235.2	337040.8
	1.5	3047.8	-4.1	777.0	404.5	333881.4
220.	5.1	522.6	4.0	357.9	-455.1	433984.5
	1.5	567.7	-4.1	777.0	630.4	433309.3
275.	5.1	-1957.6	4.0	357.9	-675.0	394521.7
	1.5	-1912.4	-4.1	777.0	856.2	396330.6
330.	5.1	-4437.7	4.0	357.9	-894.9	218652.1
	1.5	-4392.5	-4.1	777.0	1082.1	222945.2
385.	5.1	-6917.8	4.0	357.9	-1114.8	-93624.0
	1.5	-6872.6	-4.1	777.0	1307.9	-86846.8
440.	5.1	-9397.9	4.0	357.9	-1334.7	-542306.8
	1.5	-9352.8	-4.1	777.0	1533.8	-533045.4
Asta	171	nod	71	70		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-5.1	5947.2	76.2	-587.0	4136.6	-37310.7
	-15.2	6162.3	-76.3	-541.7	-4080.5	-62177.9
34.	-5.1	3851.5	76.2	-587.0	1526.9	130492.2
	-15.2	4066.6	-76.3	-541.7	-1468.3	112992.4
69.	-5.1	1755.9	76.2	-587.0	-1082.7	226518.7
	-15.2	1971.0	-76.3	-541.7	1143.9	216386.5
103.	-5.1	-339.8	76.2	-587.0	-3692.4	250769.0
	-15.2	-124.7	-76.3	-541.7	3756.0	248004.3
137.	-5.1	-2435.5	76.2	-587.0	-6302.1	203243.0
	-15.2	-2220.3	-76.3	-541.7	6368.2	207845.7
171.	-5.1	-4531.1	76.2	-587.0	-8911.7	83940.6
	-15.2	-4316.0	-76.3	-541.7	8980.4	95910.9
206.	-5.1	-6626.8	76.2	-587.0	-11521.4	-107138.0
	-15.2	-6411.7	-76.3	-541.7	11592.6	-87800.3
240.	-5.1	-8722.4	76.2	-587.0	-14131.1	-369993.0
	-15.2	-8507.3	-76.3	-541.7	14204.8	-343287.8
274.	-5.1	-10818.1	76.2	-587.0	-16740.7	-704624.3
	-15.2	-10603.0	-76.3	-541.7	16816.9	-670551.6
Asta	172	nod	72	71		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-5.5	8640.1	-17.3	-463.3	-804.3	-358664.5
	-13.4	8817.1	18.5	-490.6	945.9	-383231.3
34.	-5.5	6582.7	-17.3	-463.3	-223.9	-102729.7
	-13.4	6759.6	18.5	-490.6	323.2	-121347.9
67.	-5.5	4525.3	-17.3	-463.3	356.5	84024.3
	-13.4	4702.2	18.5	-490.6	-299.6	71354.9
101.	-5.5	2467.9	-17.3	-463.3	936.8	201597.8
	-13.4	2644.8	18.5	-490.6	-922.3	194877.0
135.	-5.5	410.5	-17.3	-463.3	1517.2	249990.6
	-13.4	587.4	18.5	-490.6	-1545.1	249218.5
168.	-5.5	-1646.9	-17.3	-463.3	2097.6	229202.7
	-13.4	-1470.0	18.5	-490.6	-2167.8	234379.3
202.	-5.5	-3704.4	-17.3	-463.3	2677.9	139234.3
	-13.4	-3527.4	18.5	-490.6	-2790.6	150359.5
235.	-5.5	-5761.8	-17.3	-463.3	3258.3	-19914.8
	-13.4	-5584.9	18.5	-490.6	-3413.3	-2840.9
269.	-5.5	-7819.2	-17.3	-463.3	3838.7	-248244.6
	-13.4	-7642.3	18.5	-490.6	-4036.1	-225222.0
Asta	173	nod	73	72		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-4.5	10136.4	3.5	-203.1	254.7	-469780.8
	-8.9	10274.9	-3.0	-246.8	-168.9	-493448.9
41.	-4.5	7631.6	3.5	-203.1	112.9	-106091.6
	-8.9	7770.1	-3.0	-246.8	-46.1	-124091.1
82.	-4.5	5126.7	3.5	-203.1	-28.9	155055.3
	-8.9	5265.2	-3.0	-246.8	76.7	142724.4
123.	-4.5	2621.9	3.5	-203.1	-170.7	313660.1
	-8.9	2760.4	-3.0	-246.8	199.5	306997.7
164.	-4.5	117.0	3.5	-203.1	-312.5	369722.6
	-8.9	255.5	-3.0	-246.8	322.3	368728.9
205.	-4.5	-2387.8	3.5	-203.1	-454.3	323243.0
	-8.9	-2249.3	-3.0	-246.8	445.2	327917.8
246.	-4.5	-4892.7	3.5	-203.1	-596.1	174221.1
	-8.9	-4754.2	-3.0	-246.8	568.0	184564.6
287.	-4.5	-7397.5	3.5	-203.1	-738.0	-77342.9
	-8.9	-7259.0	-3.0	-246.8	690.8	-61330.9
328.	-4.5	-9902.3	3.5	-203.1	-879.8	-431449.1
	-8.9	-9763.9	-3.0	-246.8	813.6	-409768.5

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Asta	174	nod	74	73		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3.8	5327.1	-0.8	68.2	-60.2	-323380.9
	-7.9	5414.9	0.7	8.3	24.5	-332893.9
41.	-3.8	4003.3	-0.8	68.2	-27.9	-132692.0
	-7.9	4091.1	0.7	8.3	-3.5	-138613.9
82.	-3.8	2679.4	-0.8	68.2	4.4	3885.6
	-7.9	2767.3	0.7	8.3	-31.5	1554.7
123.	-3.8	1355.6	-0.8	68.2	36.6	86352.0
	-7.9	1443.5	0.7	8.3	-59.5	87612.1
164.	-3.8	31.8	-0.8	68.2	68.9	114707.1
	-7.9	119.6	0.7	8.3	-87.5	119558.1
204.	-3.8	-1292.0	-0.8	68.2	101.2	88950.9
	-7.9	-1204.2	0.7	8.3	-115.5	97393.0
245.	-3.8	-2615.9	-0.8	68.2	133.5	9083.4
	-7.9	-2528.0	0.7	8.3	-143.5	21116.5
286.	-3.8	-3939.7	-0.8	68.2	165.8	-124895.4
	-7.9	-3851.8	0.7	8.3	-171.6	-109271.3
327.	-3.8	-5263.5	-0.8	68.2	198.1	-312985.4
	-7.9	-5175.6	0.7	8.3	-199.6	-293770.3
Asta	175	nod	75	74		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-4.7	5304.5	0.3	620.7	53.3	-312211.0
	-8.0	5327.7	-0.2	576.0	3.7	-317328.8
41.	-4.7	3976.6	0.3	620.7	40.9	-121947.1
	-8.0	3999.9	-0.2	576.0	13.2	-126113.3
82.	-4.7	2648.8	0.3	620.7	28.5	13874.0
	-8.0	2672.0	-0.2	576.0	22.7	10659.6
123.	-4.7	1320.9	0.3	620.7	16.1	95252.4
	-8.0	1344.1	-0.2	576.0	32.2	92989.7
164.	-4.7	-7.0	0.3	620.7	3.8	122188.0
	-8.0	16.2	-0.2	576.0	41.7	120877.0
205.	-4.7	-1334.8	0.3	620.7	-8.6	94680.9
	-8.0	-1311.6	-0.2	576.0	51.1	94321.7
246.	-4.7	-2662.7	0.3	620.7	-21.0	12731.1
	-8.0	-2639.5	-0.2	576.0	60.6	13323.5
287.	-4.7	-3990.6	0.3	620.7	-33.4	-123661.5
	-8.0	-3967.4	-0.2	576.0	70.1	-122117.3
328.	-4.7	-5318.5	0.3	620.7	-45.8	-314496.8
	-8.0	-5295.2	-0.2	576.0	79.6	-312000.9
Asta	176	nod	76	75		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-6.3	5274.3	-0.9	1641.2	-225.4	-328287.4
	-8.9	5306.4	-0.9	1608.2	-237.6	-333332.0
41.	-6.3	3952.5	-0.9	1641.2	-188.7	-140001.8
	-8.9	3984.6	-0.9	1608.2	-200.7	-143738.7
82.	-6.3	2630.7	-0.9	1641.2	-152.1	-5662.1
	-8.9	2662.8	-0.9	1608.2	-163.7	-8091.2
122.	-6.3	1308.9	-0.9	1641.2	-115.4	74731.7
	-8.9	1341.0	-0.9	1608.2	-126.8	73610.3
163.	-6.3	-12.9	-0.9	1641.2	-78.8	101179.5
	-8.9	19.2	-0.9	1608.2	-89.8	101365.8
204.	-6.3	-1334.7	-0.9	1641.2	-42.1	73681.5
	-8.9	-1302.6	-0.9	1608.2	-52.8	75175.5
245.	-6.3	-2656.5	-0.9	1641.2	-5.5	-7762.5
	-8.9	-2624.4	-0.9	1608.2	-15.9	-4960.8
286.	-6.3	-3978.3	-0.9	1641.2	31.2	-143152.5
	-8.9	-3946.2	-0.9	1608.2	21.1	-139043.0
327.	-6.3	-5300.1	-0.9	1641.2	67.8	-332488.3
	-8.9	-5268.0	-0.9	1608.2	58.1	-327071.1
Asta	177	nod	77	76		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-6.0	9807.7	-2.5	2289.0	-413.5	-441625.0
	-7.5	9835.4	-2.6	2276.9	-435.0	-445683.9
41.	-6.0	7291.4	-2.5	2289.0	-311.8	-90025.0
	-7.5	7319.1	-2.6	2276.9	-327.1	-92944.1
82.	-6.0	4775.1	-2.5	2289.0	-210.1	158091.3
	-7.5	4802.8	-2.6	2276.9	-219.2	156312.1
123.	-6.0	2258.7	-2.5	2289.0	-108.4	302724.0
	-7.5	2286.5	-2.6	2276.9	-111.4	302084.6
165.	-6.0	-257.6	-2.5	2289.0	-6.7	343873.0
	-7.5	-229.9	-2.6	2276.9	-3.5	344373.4
206.	-6.0	-2773.9	-2.5	2289.0	95.0	281538.3
	-7.5	-2746.2	-2.6	2276.9	104.4	283178.5
247.	-6.0	-5290.2	-2.5	2289.0	196.7	115720.0
	-7.5	-5262.5	-2.6	2276.9	212.3	118500.0
288.	-6.0	-7806.5	-2.5	2289.0	298.4	-153582.1
	-7.5	-7778.8	-2.6	2276.9	320.1	-149662.2
329.	-6.0	-10322.9	-2.5	2289.0	400.1	-526367.7
	-7.5	-10295.1	-2.6	2276.9	428.0	-521308.0
Asta	178	nod	92	77		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-8.3	10918.1	-2.9	4593.6	-567.3	-451011.3
	-9.1	10962.3	-3.1	4628.3	-587.6	-459575.9
45.	-8.3	8172.3	-2.9	4593.6	-434.9	-22670.0
	-9.1	8216.5	-3.1	4628.3	-450.2	-29250.8
90.	-8.3	5426.6	-2.9	4593.6	-302.6	282454.8
	-9.1	5470.8	-3.1	4628.3	-312.8	277857.8
135.	-8.3	2680.8	-2.9	4593.6	-170.3	464363.1
	-9.1	2725.0	-3.1	4628.3	-175.4	461749.9

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180.	-8.3	-65.0	-2.9	4593.6	-37.9	523054.9
	-9.1	-20.8	-3.1	4628.3	-38.0	522425.5
224.	-8.3	-2810.8	-2.9	4593.6	94.4	458530.2
	-9.1	-2766.6	-3.1	4628.3	99.4	459884.6
269.	-8.3	-5556.5	-2.9	4593.6	226.7	270789.0
	-9.1	-5512.3	-3.1	4628.3	236.8	274127.1
314.	-8.3	-8302.3	-2.9	4593.6	359.0	-40168.8
	-9.1	-8258.1	-3.1	4628.3	374.2	-34846.8
359.	-8.3	-11048.1	-2.9	4593.6	491.4	-474343.0
	-9.1	-11003.9	-3.1	4628.3	511.6	-467037.3
Asta	179	nodì	108	92		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-12.3	8584.5	-6.6	15170.0	-179.8	-570524.7
	-12.8	8720.1	-7.0	15338.8	-203.9	-589769.4
19.	-12.3	7437.2	-6.6	15170.0	-56.0	-420321.3
	-12.8	7572.8	-7.0	15338.8	-73.1	-437023.9
38.	-12.3	6290.0	-6.6	15170.0	67.9	-291628.9
	-12.8	6425.5	-7.0	15338.8	57.7	-305789.4
56.	-12.3	5142.7	-6.6	15170.0	191.8	-184447.7
	-12.8	5278.3	-7.0	15338.8	188.5	-196066.1
75.	-12.3	3995.4	-6.6	15170.0	315.7	-98777.5
	-12.8	4131.0	-7.0	15338.8	319.3	-107853.9
94.	-12.3	2848.2	-6.6	15170.0	439.5	-34618.5
	-12.8	2983.8	-7.0	15338.8	450.0	-41152.8
113.	-12.3	1700.9	-6.6	15170.0	563.4	8029.5
	-12.8	1836.5	-7.0	15338.8	580.8	4037.3
131.	-12.3	553.7	-6.6	15170.0	687.3	29166.3
	-12.8	689.2	-7.0	15338.8	711.6	27716.2
150.	-12.3	-593.6	-6.6	15170.0	811.2	28792.1
	-12.8	-458.0	-7.0	15338.8	842.4	29884.1
Asta	180	nodì	78	79		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3.1	3073.0	0.2	25966.9	86.1	-30229.1
	-4.8	3113.8	0.0	26515.4	64.8	-36071.4
44.	-3.1	1994.1	0.2	25966.9	78.0	79981.0
	-4.8	2035.0	0.0	26515.4	63.4	75915.2
87.	-3.1	915.2	0.2	25966.9	70.0	143259.8
	-4.8	956.1	0.0	26515.4	62.0	140970.6
131.	-3.1	-163.6	0.2	25966.9	61.9	159607.3
	-4.8	-122.8	0.0	26515.4	60.6	159094.7
174.	-3.1	-1242.5	0.2	25966.9	53.9	129023.5
	-4.8	-1201.7	0.0	26515.4	59.2	130287.4
218.	-3.1	-2321.4	0.2	25966.9	45.8	51508.4
	-4.8	-2280.6	0.0	26515.4	57.8	54548.9
261.	-3.1	-3400.3	0.2	25966.9	37.8	-72938.0
	-4.8	-3359.4	0.0	26515.4	56.4	-68121.0
305.	-3.1	-4479.2	0.2	25966.9	29.7	-244315.8
	-4.8	-4438.3	0.0	26515.4	55.0	-237722.1
348.	-3.1	-5558.0	0.2	25966.9	21.6	-462624.8
	-4.8	-5517.2	0.0	26515.4	53.5	-454254.5
Asta	181	nodì	88	78		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3.1	4773.5	-0.5	12129.3	-174.3	-198033.8
	-3.9	4816.0	-0.6	12772.4	-195.1	-207647.4
45.	-3.1	3660.5	-0.5	12129.3	-151.9	-8797.1
	-3.9	3703.0	-0.6	12772.4	-167.9	-16501.9
90.	-3.1	2547.5	-0.5	12129.3	-129.5	130494.4
	-3.9	2590.0	-0.6	12772.4	-140.8	124698.5
135.	-3.1	1434.5	-0.5	12129.3	-107.1	219840.9
	-3.9	1477.1	-0.6	12772.4	-113.6	215953.8
180.	-3.1	321.5	-0.5	12129.3	-84.7	259242.3
	-3.9	364.1	-0.6	12772.4	-86.4	257264.0
224.	-3.1	-791.4	-0.5	12129.3	-62.3	248698.5
	-3.9	-748.9	-0.6	12772.4	-59.3	248629.0
269.	-3.1	-1904.4	-0.5	12129.3	-39.9	188209.6
	-3.9	-1861.9	-0.6	12772.4	-32.1	190049.0
314.	-3.1	-3017.4	-0.5	12129.3	-17.5	77775.7
	-3.9	-2974.9	-0.6	12772.4	-5.0	81523.8
359.	-3.1	-4130.4	-0.5	12129.3	4.9	-82603.4
	-3.9	-4087.9	-0.6	12772.4	22.2	-76946.5
Asta	182	nodì	107	88		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.6	1118.2	-3.0	18916.3	-40.5	17970.6
	-0.5	1134.5	-3.2	20331.1	-42.1	14650.6
19.	-0.6	653.1	-3.0	18916.3	15.6	34576.6
	-0.5	669.4	-3.2	20331.1	17.5	31562.0
38.	-0.6	188.1	-3.0	18916.3	71.6	42463.2
	-0.5	204.4	-3.2	20331.1	77.0	39754.0
56.	-0.6	-276.9	-3.0	18916.3	127.6	41630.3
	-0.5	-260.6	-3.2	20331.1	136.5	39226.5
75.	-0.6	-742.0	-3.0	18916.3	183.7	32078.1
	-0.5	-725.7	-3.2	20331.1	196.1	29979.7
94.	-0.6	-1207.0	-3.0	18916.3	239.7	13806.4
	-0.5	-1190.7	-3.2	20331.1	255.6	12013.5
113.	-0.6	-1672.0	-3.0	18916.3	295.8	-13184.6
	-0.5	-1655.8	-3.2	20331.1	315.2	-14672.1
131.	-0.6	-2137.1	-3.0	18916.3	351.8	-48895.1
	-0.5	-2120.8	-3.2	20331.1	374.7	-50077.1
150.	-0.6	-2602.1	-3.0	18916.3	407.9	-93324.9
	-0.5	-2585.8	-3.2	20331.1	434.3	-94201.5

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Asta	183	nod	91	109		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2.1	5116.5	-7.8	-13664.1	-694.1	-176488.8
	-6.6	5135.5	7.6	-13031.9	649.0	-180198.5
56.	-2.1	3733.8	-7.8	-13664.1	-261.9	70214.8
	-6.6	3752.8	7.6	-13031.9	223.5	67563.1
112.	-2.1	2351.1	-7.8	-13664.1	170.3	239832.8
	-6.6	2370.1	7.6	-13031.9	-202.1	238238.9
167.	-2.1	968.4	-7.8	-13664.1	602.4	332365.0
	-6.6	987.4	7.6	-13031.9	-627.6	331829.1
223.	-2.1	-414.3	-7.8	-13664.1	1034.6	347811.5
	-6.6	-395.3	7.6	-13031.9	-1053.1	348333.6
279.	-2.1	-1797.0	-7.8	-13664.1	1466.8	286172.4
	-6.6	-1778.0	7.6	-13031.9	-1478.7	287752.3
335.	-2.1	-3179.7	-7.8	-13664.1	1898.9	147447.5
	-6.6	-3160.7	7.6	-13031.9	-1904.2	150085.4
390.	-2.1	-4562.4	-7.8	-13664.1	2331.1	-68363.0
	-6.6	-4543.4	7.6	-13031.9	-2329.7	-64667.3
446.	-2.1	-5945.1	-7.8	-13664.1	2763.2	-361259.3
	-6.6	-5926.1	7.6	-13031.9	-2755.3	-356505.6
Asta	185	nod	80	91		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2.8	6276.8	2.1	-22135.9	180.1	-536472.9
	-5.9	6310.1	-2.1	-21616.2	-155.9	-544315.7
55.	-2.8	4912.7	2.1	-22135.9	66.2	-228761.4
	-5.9	4946.0	-2.1	-21616.2	-41.0	-234771.1
110.	-2.8	3548.6	2.1	-22135.9	-47.6	3924.4
	-5.9	3581.9	-2.1	-21616.2	74.0	-252.1
165.	-2.8	2184.5	2.1	-22135.9	-161.4	161584.7
	-5.9	2217.8	-2.1	-21616.2	189.0	159241.3
220.	-2.8	820.4	2.1	-22135.9	-275.3	244219.4
	-5.9	853.7	-2.1	-21616.2	304.0	243709.2
275.	-2.8	-543.7	2.1	-22135.9	-389.1	251828.5
	-5.9	-510.4	-2.1	-21616.2	419.0	253151.4
330.	-2.8	-1907.8	2.1	-22135.9	-502.9	184412.0
	-5.9	-1874.5	-2.1	-21616.2	534.0	187568.1
385.	-2.8	-3271.9	2.1	-22135.9	-616.7	41969.8
	-5.9	-3238.6	-2.1	-21616.2	649.0	46959.1
440.	-2.8	-4636.0	2.1	-22135.9	-730.6	-175497.9
	-5.9	-4602.7	-2.1	-21616.2	764.0	-168675.5
Asta	186	nod	113	97		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0
19.	0.0	-74.6	0.0	0.0	0.0	-699.8
	0.0	-74.6	0.0	0.0	0.0	-699.8
38.	0.0	-149.3	0.0	0.0	0.0	-2799.3
	0.0	-149.3	0.0	0.0	0.0	-2799.3
56.	0.0	-223.9	0.0	0.0	0.0	-6298.5
	0.0	-223.9	0.0	0.0	0.0	-6298.5
75.	0.0	-298.6	0.0	0.0	0.0	-11197.3
	0.0	-298.6	0.0	0.0	0.0	-11197.3
94.	0.0	-373.2	0.0	0.0	0.0	-17495.7
	0.0	-373.2	0.0	0.0	0.0	-17495.7
113.	0.0	-447.9	0.0	0.0	0.0	-25193.8
	0.0	-447.9	0.0	0.0	0.0	-25193.8
131.	0.0	-522.5	0.0	0.0	0.0	-34291.6
	0.0	-522.5	0.0	0.0	0.0	-34291.6
150.	0.0	-597.2	0.0	0.0	0.0	-44789.1
	0.0	-597.2	0.0	0.0	0.0	-44789.1
Asta	187	nod	97	98		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-762.9	1135.6	4.3	681.6	824.5	-81147.7
	-762.2	1139.0	4.3	684.6	828.9	-81723.1
45.	-762.9	957.0	4.3	681.6	632.7	-34195.4
	-762.2	960.3	4.3	684.6	635.9	-34619.9
90.	-762.9	778.3	4.3	681.6	440.8	4739.7
	-762.2	781.7	4.3	684.6	442.8	4466.1
135.	-762.9	599.6	4.3	681.6	249.0	35657.4
	-762.2	603.0	4.3	684.6	249.8	35534.8
180.	-762.9	421.0	4.3	681.6	57.2	58557.8
	-762.2	424.4	4.3	684.6	56.8	58586.1
224.	-762.9	242.3	4.3	681.6	-134.6	73441.0
	-762.2	245.7	4.3	684.6	-136.3	73620.2
269.	-762.9	63.7	4.3	681.6	-326.5	80306.8
	-762.2	67.0	4.3	684.6	-329.3	80636.9
314.	-762.9	-115.0	4.3	681.6	-518.3	79155.3
	-762.2	-111.6	4.3	684.6	-522.3	79636.4
359.	-762.9	-293.6	4.3	681.6	-710.1	69986.5
	-762.2	-290.3	4.3	684.6	-715.4	70618.5
Asta	188	nod	98	99		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-596.8	223.1	2.7	592.2	292.2	79607.3
	-598.0	223.7	2.7	594.1	290.1	79639.0
41.	-596.8	59.3	2.7	592.2	181.3	85414.3
	-598.0	59.9	2.7	594.1	179.5	85470.5
82.	-596.8	-104.4	2.7	592.2	70.5	84488.0
	-598.0	-103.8	2.7	594.1	69.0	84568.6
123.	-596.8	-268.1	2.7	592.2	-40.3	76828.4

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165.	-598.0	-267.5	2.7	594.1	-41.6	76933.4
	-596.8	-431.8	2.7	592.2	-151.2	62435.4
	-598.0	-431.3	2.7	594.1	-152.1	62564.8
206.	-596.8	-595.6	2.7	592.2	-262.0	41309.0
	-598.0	-595.0	2.7	594.1	-262.7	41462.8
247.	-596.8	-759.3	2.7	592.2	-372.8	13449.3
	-598.0	-758.7	2.7	594.1	-373.3	13627.6
288.	-596.8	-923.0	2.7	592.2	-483.7	-21143.7
	-598.0	-922.4	2.7	594.1	-483.8	-20941.1
329.	-596.8	-1086.8	2.7	592.2	-594.5	-62470.1
	-598.0	-1086.2	2.7	594.1	-594.4	-62243.1
Asta	189	nodì	103	102		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-494.3	908.2	-0.3	-85.1	-70.0	-43438.6
	-676.7	1019.9	-0.4	-90.2	-80.4	-65544.0
41.	-494.3	745.3	-0.3	-85.1	-59.4	-9593.2
	-676.7	857.0	-0.4	-90.2	-64.1	-27126.1
82.	-494.3	582.3	-0.3	-85.1	-48.7	17580.1
	-676.7	694.0	-0.4	-90.2	-47.8	4619.7
123.	-494.3	419.3	-0.3	-85.1	-38.1	38081.3
	-676.7	531.0	-0.4	-90.2	-31.5	29693.4
164.	-494.3	256.3	-0.3	-85.1	-27.5	51910.4
	-676.7	368.0	-0.4	-90.2	-15.2	48095.0
205.	-494.3	93.3	-0.3	-85.1	-16.8	59067.4
	-676.7	205.0	-0.4	-90.2	1.1	59824.5
246.	-494.3	-69.6	-0.3	-85.1	-6.2	59552.4
	-676.7	42.0	-0.4	-90.2	17.4	64881.9
287.	-494.3	-232.6	-0.3	-85.1	4.4	53365.2
	-676.7	-120.9	-0.4	-90.2	33.7	63267.3
328.	-494.3	-395.6	-0.3	-85.1	15.1	40505.9
	-676.7	-283.9	-0.4	-90.2	50.0	54980.5
Asta	190	nodì	102	101		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-526.0	509.9	-0.5	-128.5	-61.2	30142.0
	-926.1	633.0	-0.9	-103.6	-141.2	13453.4
34.	-526.0	376.1	-0.5	-128.5	-44.9	45037.5
	-926.1	499.1	-0.9	-103.6	-111.5	32486.0
67.	-526.0	242.2	-0.5	-128.5	-28.6	55431.5
	-926.1	365.2	-0.9	-103.6	-81.8	47017.3
101.	-526.0	108.3	-0.5	-128.5	-12.4	61324.2
	-926.1	231.4	-0.9	-103.6	-52.0	57047.1
135.	-526.0	-25.6	-0.5	-128.5	3.9	62715.6
	-926.1	97.5	-0.9	-103.6	-22.3	62575.7
168.	-526.0	-159.4	-0.5	-128.5	20.2	59605.5
	-926.1	-36.4	-0.9	-103.6	7.4	63602.8
202.	-526.0	-293.3	-0.5	-128.5	36.4	51994.1
	-926.1	-170.3	-0.9	-103.6	37.1	60128.6
235.	-526.0	-427.2	-0.5	-128.5	52.7	39881.4
	-926.1	-304.1	-0.9	-103.6	66.9	52153.0
269.	-526.0	-561.0	-0.5	-128.5	69.0	23267.3
	-926.1	-438.0	-0.9	-103.6	96.6	39676.1
Asta	191	nodì	101	100		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-113.9	-43.4	-0.1	-155.6	-269.0	84344.9
	-735.8	74.4	-1.2	-19.2	131.2	69158.2
34.	-113.9	-179.8	-0.1	-155.6	-264.8	80522.0
	-735.8	-61.9	-1.2	-19.2	171.9	69372.0
69.	-113.9	-316.2	-0.1	-155.6	-260.6	72028.9
	-735.8	-198.3	-1.2	-19.2	212.6	64915.6
103.	-113.9	-452.5	-0.1	-155.6	-256.4	58865.5
	-735.8	-334.7	-1.2	-19.2	253.2	55789.0
137.	-113.9	-588.9	-0.1	-155.6	-252.3	41031.9
	-735.8	-471.0	-1.2	-19.2	293.9	41992.1
171.	-113.9	-725.2	-0.1	-155.6	-248.1	18528.0
	-735.8	-607.4	-1.2	-19.2	334.6	23524.9
206.	-113.9	-861.6	-0.1	-155.6	-243.9	-8646.1
	-735.8	-743.7	-1.2	-19.2	375.3	387.5
240.	-113.9	-997.9	-0.1	-155.6	-239.7	-40490.5
	-735.8	-880.1	-1.2	-19.2	416.0	-27420.2
274.	-113.9	-1134.3	-0.1	-155.6	-235.6	-77005.2
	-735.8	-1016.4	-1.2	-19.2	456.7	-59898.1
Asta	192	nodì	114	1		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-48305.1	-3434.5	2530.7	-1038.2	42881.5	70538.8
	-47632.4	-3538.6	2523.9	-961.6	41620.5	76029.5
10.	-48265.3	-3434.5	2530.7	-1038.2	17574.8	36193.5
	-47592.5	-3538.6	2523.9	-961.6	16381.4	40643.8
20.	-48225.5	-3434.5	2530.7	-1038.2	-7731.9	1848.2
	-47552.7	-3538.6	2523.9	-961.6	-8857.6	5258.2
30.	-48185.7	-3434.5	2530.7	-1038.2	-33038.7	-32497.0
	-47512.9	-3538.6	2523.9	-961.6	-34096.7	-30127.5
40.	-48145.9	-3434.5	2530.7	-1038.2	-58345.4	-66842.3
	-47473.1	-3538.6	2523.9	-961.6	-59335.7	-65513.1
50.	-48106.1	-3434.5	2530.7	-1038.2	-83652.1	-101187.6
	-47433.3	-3538.6	2523.9	-961.6	-84574.8	-100898.8
60.	-48066.3	-3434.5	2530.7	-1038.2	-108958.9	-135532.9
	-47393.5	-3538.6	2523.9	-961.6	-109813.9	-136284.5
70.	-48026.5	-3434.5	2530.7	-1038.2	-134265.6	-169878.2
	-47353.7	-3538.6	2523.9	-961.6	-135052.9	-171670.1
80.	-47986.6	-3434.5	2530.7	-1038.2	-159572.3	-204223.5

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	-47313.9	-3538.6	2523.9	-961.6	-160292.0	-207055.8
Asta	193	nodì	115	3		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-57508.8	-9.2	466.6	-80.1	19717.4	8672.9
	-57546.5	-468.2	460.9	22.9	19185.1	33315.3
10.	-57469.0	-9.2	466.6	-80.1	15051.3	8580.8
	-57506.7	-468.2	460.9	22.9	14575.9	28633.2
20.	-57429.2	-9.2	466.6	-80.1	10385.2	8488.7
	-57466.8	-468.2	460.9	22.9	9966.6	23951.0
30.	-57389.4	-9.2	466.6	-80.1	5719.1	8396.5
	-57427.0	-468.2	460.9	22.9	5357.3	19268.9
40.	-57349.5	-9.2	466.6	-80.1	1053.1	8304.4
	-57387.2	-468.2	460.9	22.9	748.1	14586.8
50.	-57309.7	-9.2	466.6	-80.1	-3613.0	8212.3
	-57347.4	-468.2	460.9	22.9	-3861.2	9904.6
60.	-57269.9	-9.2	466.6	-80.1	-8279.1	8120.2
	-57307.6	-468.2	460.9	22.9	-8470.5	5222.5
70.	-57230.1	-9.2	466.6	-80.1	-12945.2	8028.0
	-57267.8	-468.2	460.9	22.9	-13079.7	540.4
80.	-57190.3	-9.2	466.6	-80.1	-17611.2	7935.9
	-57228.0	-468.2	460.9	22.9	-17689.0	-4141.7
Asta	194	nodì	116	5		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-31188.8	67.7	1067.9	185.9	28242.8	-9585.7
	-31206.7	-172.6	1068.2	131.2	28245.3	3394.5
10.	-31149.0	67.7	1067.9	185.9	17564.0	-8908.9
	-31166.9	-172.6	1068.2	131.2	17563.4	1668.6
20.	-31109.1	67.7	1067.9	185.9	6885.1	-8232.1
	-31127.1	-172.6	1068.2	131.2	6881.4	-57.3
30.	-31069.3	67.7	1067.9	185.9	-3793.8	-7555.3
	-31087.2	-172.6	1068.2	131.2	-3800.6	-1783.3
40.	-31029.5	67.7	1067.9	185.9	-14472.6	-6878.5
	-31047.4	-172.6	1068.2	131.2	-14482.5	-3509.2
50.	-30989.7	67.7	1067.9	185.9	-25151.5	-6201.7
	-31007.6	-172.6	1068.2	131.2	-25164.5	-5235.1
60.	-30949.9	67.7	1067.9	185.9	-35830.4	-5524.9
	-30967.8	-172.6	1068.2	131.2	-35846.4	-6961.1
70.	-30910.1	67.7	1067.9	185.9	-46509.3	-4848.1
	-30928.0	-172.6	1068.2	131.2	-46528.4	-8687.0
80.	-30870.3	67.7	1067.9	185.9	-57188.1	-4171.3
	-30888.2	-172.6	1068.2	131.2	-57210.3	-10412.9
Asta	195	nodì	117	7		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-52381.6	2312.3	404.1	-485.1	21660.6	-36713.5
	-52465.1	1844.8	401.5	-349.9	21514.8	-12566.5
10.	-52341.8	2312.3	404.1	-485.1	17619.6	-13590.1
	-52425.3	1844.8	401.5	-349.9	17500.2	5881.1
20.	-52302.0	2312.3	404.1	-485.1	13578.7	9533.4
	-52385.4	1844.8	401.5	-349.9	13485.5	24328.7
30.	-52262.2	2312.3	404.1	-485.1	9537.7	32656.8
	-52345.6	1844.8	401.5	-349.9	9470.8	42776.4
40.	-52222.4	2312.3	404.1	-485.1	5496.8	55780.3
	-52305.8	1844.8	401.5	-349.9	5456.1	61224.0
50.	-52182.5	2312.3	404.1	-485.1	1455.8	78903.7
	-52266.0	1844.8	401.5	-349.9	1441.4	79671.7
60.	-52142.7	2312.3	404.1	-485.1	-2585.1	102027.1
	-52226.2	1844.8	401.5	-349.9	-2573.3	98119.3
70.	-52102.9	2312.3	404.1	-485.1	-6626.1	125150.6
	-52186.4	1844.8	401.5	-349.9	-6587.9	116566.9
80.	-52063.1	2312.3	404.1	-485.1	-10667.1	148274.0
	-52146.6	1844.8	401.5	-349.9	-10602.6	135014.6
Asta	196	nodì	118	9		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-35418.3	3329.0	2961.4	-2402.2	53489.3	-110985.2
	-36016.2	3263.5	2960.8	4496.4	54450.5	-106681.3
10.	-35378.5	3329.0	2961.4	-2402.2	23875.6	-77695.5
	-35976.4	3263.5	2960.8	4496.4	24842.6	-74046.3
20.	-35338.7	3329.0	2961.4	-2402.2	-5738.1	-44405.8
	-35936.6	3263.5	2960.8	4496.4	-4765.2	-41411.4
30.	-35298.9	3329.0	2961.4	-2402.2	-35351.8	-11116.1
	-35896.8	3263.5	2960.8	4496.4	-34373.1	-8776.4
40.	-35259.1	3329.0	2961.4	-2402.2	-64965.5	22173.5
	-35857.0	3263.5	2960.8	4496.4	-63981.0	23858.5
50.	-35219.3	3329.0	2961.4	-2402.2	-94579.2	55463.2
	-35817.1	3263.5	2960.8	4496.4	-93588.8	56493.5
60.	-35179.4	3329.0	2961.4	-2402.2	-124192.9	88752.9
	-35777.3	3263.5	2960.8	4496.4	-123196.7	89128.4
70.	-35139.6	3329.0	2961.4	-2402.2	-153806.7	122042.6
	-35737.5	3263.5	2960.8	4496.4	-152804.6	121763.4
80.	-35099.8	3329.0	2961.4	-2402.2	-183420.4	155332.3
	-35697.7	3263.5	2960.8	4496.4	-182412.4	154398.3
Asta	197	nodì	119	11		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-47154.7	3823.8	-117.5	13715.9	53935.9	-57103.7
	-47592.0	3772.4	-130.7	9584.5	53285.4	-55528.0
10.	-47114.9	3823.8	-117.5	13715.9	55110.8	-18865.4
	-47552.2	3772.4	-130.7	9584.5	54592.5	-17804.0
20.	-47075.0	3823.8	-117.5	13715.9	56285.8	19372.9
	-47512.4	3772.4	-130.7	9584.5	55899.6	19920.0

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30.	-47035.2	3823.8	-117.5	13715.9	57460.8	57611.2
	-47472.6	3772.4	-130.7	9584.5	57206.7	57644.0
40.	-46995.4	3823.8	-117.5	13715.9	58635.8	95849.5
	-47432.7	3772.4	-130.7	9584.5	58513.8	95368.1
50.	-46955.6	3823.8	-117.5	13715.9	59810.8	134087.8
	-47392.9	3772.4	-130.7	9584.5	59820.9	133092.1
60.	-46915.8	3823.8	-117.5	13715.9	60985.8	172326.1
	-47353.1	3772.4	-130.7	9584.5	61128.0	170816.1
70.	-46876.0	3823.8	-117.5	13715.9	62160.7	210564.4
	-47313.3	3772.4	-130.7	9584.5	62435.1	208540.1
80.	-46836.2	3823.8	-117.5	13715.9	63335.7	248802.7
	-47273.5	3772.4	-130.7	9584.5	63742.2	246264.1
Asta	198	nodì	120	13		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-44285.3	4690.4	-4.4	-231.9	10369.0	-9469.1
	-44409.5	4401.3	-8.6	777.6	10187.6	-3543.4
10.	-44245.5	4690.4	-4.4	-231.9	10413.3	37435.3
	-44369.7	4401.3	-8.6	777.6	10273.3	40469.6
20.	-44205.7	4690.4	-4.4	-231.9	10457.7	84339.7
	-44329.9	4401.3	-8.6	777.6	10359.0	84482.6
30.	-44165.9	4690.4	-4.4	-231.9	10502.0	131244.0
	-44290.0	4401.3	-8.6	777.6	10444.6	128495.6
40.	-44126.1	4690.4	-4.4	-231.9	10546.3	178148.4
	-44250.2	4401.3	-8.6	777.6	10530.3	172508.6
50.	-44086.3	4690.4	-4.4	-231.9	10590.6	225052.8
	-44210.4	4401.3	-8.6	777.6	10616.0	216521.6
60.	-44046.5	4690.4	-4.4	-231.9	10634.9	271957.2
	-44170.6	4401.3	-8.6	777.6	10701.6	260534.5
70.	-44006.7	4690.4	-4.4	-231.9	10679.2	318861.5
	-44130.8	4401.3	-8.6	777.6	10787.3	304547.5
80.	-43966.8	4690.4	-4.4	-231.9	10723.5	365765.9
	-44091.0	4401.3	-8.6	777.6	10873.0	348560.5
Asta	199	nodì	121	15		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-57648.8	2008.6	115.4	28.3	10520.2	-5724.6
	-57750.0	1741.4	113.0	-107.0	10393.7	167.5
10.	-57609.0	2008.6	115.4	28.3	9366.0	14361.4
	-57710.2	1741.4	113.0	-107.0	9263.8	17581.7
20.	-57569.1	2008.6	115.4	28.3	8211.9	34447.4
	-57670.4	1741.4	113.0	-107.0	8134.0	34995.9
30.	-57529.3	2008.6	115.4	28.3	7057.8	54533.4
	-57630.6	1741.4	113.0	-107.0	7004.2	52410.2
40.	-57489.5	2008.6	115.4	28.3	5903.6	74619.4
	-57590.7	1741.4	113.0	-107.0	5874.3	69824.4
50.	-57449.7	2008.6	115.4	28.3	4749.5	94705.4
	-57550.9	1741.4	113.0	-107.0	4744.5	87238.6
60.	-57409.9	2008.6	115.4	28.3	3595.4	114791.5
	-57511.1	1741.4	113.0	-107.0	3614.6	104652.9
70.	-57370.1	2008.6	115.4	28.3	2441.2	134877.5
	-57471.3	1741.4	113.0	-107.0	2484.8	122067.1
80.	-57330.3	2008.6	115.4	28.3	1287.1	154963.5
	-57431.5	1741.4	113.0	-107.0	1355.0	139481.3
Asta	200	nodì	122	17		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-58560.0	-551.6	138.5	-75.5	10531.0	-2148.5
	-58696.4	-815.5	137.3	62.1	10471.3	3736.6
10.	-58520.2	-551.6	138.5	-75.5	9146.0	-7664.9
	-58656.6	-815.5	137.3	62.1	9098.2	-4418.0
20.	-58480.3	-551.6	138.5	-75.5	7761.0	-13181.4
	-58616.8	-815.5	137.3	62.1	7725.1	-12572.6
30.	-58440.5	-551.6	138.5	-75.5	6376.0	-18697.8
	-58577.0	-815.5	137.3	62.1	6352.0	-20727.2
40.	-58400.7	-551.6	138.5	-75.5	4991.0	-24214.2
	-58537.2	-815.5	137.3	62.1	4978.9	-28881.8
50.	-58360.9	-551.6	138.5	-75.5	3606.0	-29730.7
	-58497.3	-815.5	137.3	62.1	3605.8	-37036.4
60.	-58321.1	-551.6	138.5	-75.5	2221.0	-35247.1
	-58457.5	-815.5	137.3	62.1	2232.7	-45191.0
70.	-58281.3	-551.6	138.5	-75.5	836.0	-40763.5
	-58417.7	-815.5	137.3	62.1	859.6	-53345.6
80.	-58241.5	-551.6	138.5	-75.5	-549.0	-46280.0
	-58377.9	-815.5	137.3	62.1	-513.6	-61500.2
Asta	201	nodì	123	19		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-52708.1	-421.0	135.0	-100.0	10453.4	-2316.7
	-52776.4	-696.4	135.0	-22.5	10462.7	3583.2
10.	-52668.3	-421.0	135.0	-100.0	9103.1	-6526.5
	-52736.6	-696.4	135.0	-22.5	9112.5	-3380.9
20.	-52628.5	-421.0	135.0	-100.0	7752.8	-10736.4
	-52696.7	-696.4	135.0	-22.5	7762.2	-10344.9
30.	-52588.7	-421.0	135.0	-100.0	6402.5	-14946.2
	-52656.9	-696.4	135.0	-22.5	6412.0	-17309.0
40.	-52548.8	-421.0	135.0	-100.0	5052.2	-19156.1
	-52617.1	-696.4	135.0	-22.5	5061.8	-24273.1
50.	-52509.0	-421.0	135.0	-100.0	3702.0	-23366.0
	-52577.3	-696.4	135.0	-22.5	3711.5	-31237.1
60.	-52469.2	-421.0	135.0	-100.0	2351.7	-27575.8
	-52537.5	-696.4	135.0	-22.5	2361.3	-38201.2
70.	-52429.4	-421.0	135.0	-100.0	1001.4	-31785.7
	-52497.7	-696.4	135.0	-22.5	1011.1	-45165.3

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80.	-52389.6	-421.0	135.0	-100.0	-348.9	-35995.5
	-52457.9	-696.4	135.0	-22.5	-339.1	-52129.3
Asta	202	nodì	124	21		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-52602.8	693.7	100.7	-130.8	10322.4	-3860.4
	-52604.8	426.4	102.0	-39.4	10401.2	2027.4
10.	-52563.0	693.7	100.7	-130.8	9315.6	3076.4
	-52565.0	426.4	102.0	-39.4	9381.5	6291.3
20.	-52523.2	693.7	100.7	-130.8	8308.8	10013.3
	-52525.2	426.4	102.0	-39.4	8361.8	10555.2
30.	-52483.4	693.7	100.7	-130.8	7301.9	16950.1
	-52485.4	426.4	102.0	-39.4	7342.2	14819.1
40.	-52443.6	693.7	100.7	-130.8	6295.1	23886.9
	-52445.6	426.4	102.0	-39.4	6322.5	19083.0
50.	-52403.8	693.7	100.7	-130.8	5288.2	30823.8
	-52405.8	426.4	102.0	-39.4	5302.8	23346.9
60.	-52364.0	693.7	100.7	-130.8	4281.4	37760.6
	-52366.0	426.4	102.0	-39.4	4283.2	27610.8
70.	-52324.2	693.7	100.7	-130.8	3274.6	44697.4
	-52326.1	426.4	102.0	-39.4	3263.5	31874.7
80.	-52284.3	693.7	100.7	-130.8	2267.7	51634.2
	-52286.3	426.4	102.0	-39.4	2243.8	36138.6
Asta	203	nodì	125	23		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-59462.2	1351.9	-100.2	-324.0	9883.3	-4769.8
	-59466.4	1088.5	-96.9	-238.3	10031.5	1111.7
10.	-59422.4	1351.9	-100.2	-324.0	10885.4	8749.2
	-59426.6	1088.5	-96.9	-238.3	11000.5	11997.1
20.	-59382.6	1351.9	-100.2	-324.0	11887.5	22268.2
	-59386.8	1088.5	-96.9	-238.3	11969.5	22882.5
30.	-59342.7	1351.9	-100.2	-324.0	12889.5	35787.2
	-59347.0	1088.5	-96.9	-238.3	12938.5	33767.9
40.	-59302.9	1351.9	-100.2	-324.0	13891.6	49306.1
	-59307.2	1088.5	-96.9	-238.3	13907.5	44653.3
50.	-59263.1	1351.9	-100.2	-324.0	14893.7	62825.1
	-59267.3	1088.5	-96.9	-238.3	14876.5	55538.7
60.	-59223.3	1351.9	-100.2	-324.0	15895.8	76344.1
	-59227.5	1088.5	-96.9	-238.3	15845.5	66424.1
70.	-59183.5	1351.9	-100.2	-324.0	16897.8	89863.1
	-59187.7	1088.5	-96.9	-238.3	16814.4	77309.5
80.	-59143.7	1351.9	-100.2	-324.0	17899.9	103382.1
	-59147.9	1088.5	-96.9	-238.3	17783.4	88194.9
Asta	204	nodì	126	25		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-65123.5	-54.4	-1259.9	210.5	8082.7	-2814.2
	-65078.6	-339.8	-1249.9	305.5	8307.3	3097.4
10.	-65083.7	-54.4	-1259.9	210.5	20681.6	-3357.9
	-65038.8	-339.8	-1249.9	305.5	20806.5	-300.2
20.	-65043.9	-54.4	-1259.9	210.5	33280.4	-3901.6
	-64999.0	-339.8	-1249.9	305.5	33305.7	-3697.8
30.	-65004.1	-54.4	-1259.9	210.5	45879.3	-4445.3
	-64959.2	-339.8	-1249.9	305.5	45804.9	-7095.4
40.	-64964.3	-54.4	-1259.9	210.5	58478.1	-4989.0
	-64919.3	-339.8	-1249.9	305.5	58304.1	-10493.0
50.	-64924.5	-54.4	-1259.9	210.5	71077.0	-5532.7
	-64879.5	-339.8	-1249.9	305.5	70803.4	-13890.6
60.	-64884.7	-54.4	-1259.9	210.5	83675.8	-6076.4
	-64839.7	-339.8	-1249.9	305.5	83302.6	-17288.2
70.	-64844.9	-54.4	-1259.9	210.5	96274.6	-6620.1
	-64799.9	-339.8	-1249.9	305.5	95801.8	-20685.8
80.	-64805.0	-54.4	-1259.9	210.5	108873.5	-7163.8
	-64760.1	-339.8	-1249.9	305.5	108301.0	-24083.4
Asta	205	nodì	127	27		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-45201.6	1867.5	-1403.2	72.1	7896.3	-5615.5
	-45190.5	1588.0	-1393.8	163.3	8119.8	354.1
10.	-45161.8	1867.5	-1403.2	72.1	21928.7	13059.5
	-45150.7	1588.0	-1393.8	163.3	22057.4	16234.2
20.	-45121.9	1867.5	-1403.2	72.1	35961.1	31734.5
	-45110.9	1588.0	-1393.8	163.3	35994.9	32114.3
30.	-45082.1	1867.5	-1403.2	72.1	49993.5	50409.5
	-45071.1	1588.0	-1393.8	163.3	49932.5	47994.4
40.	-45042.3	1867.5	-1403.2	72.1	64025.9	69084.6
	-45031.3	1588.0	-1393.8	163.3	63870.0	63874.5
50.	-45002.5	1867.5	-1403.2	72.1	78058.4	87759.6
	-44991.5	1588.0	-1393.8	163.3	77807.5	79754.6
60.	-44962.7	1867.5	-1403.2	72.1	92090.8	106434.6
	-44951.6	1588.0	-1393.8	163.3	91745.1	95634.7
70.	-44922.9	1867.5	-1403.2	72.1	106123.2	125109.6
	-44911.8	1588.0	-1393.8	163.3	105682.6	111514.8
80.	-44883.1	1867.5	-1403.2	72.1	120155.6	143784.6
	-44872.0	1588.0	-1393.8	163.3	119620.2	127394.9
Asta	206	nodì	128	29		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-50476.5	2360.9	-3632.4	-3910.2	-277526.9	5309.0
	-50386.8	1953.2	-3670.1	-3861.5	-279758.6	23581.5
10.	-50436.7	2360.9	-3632.4	-3910.2	-241202.7	28918.4
	-50347.0	1953.2	-3670.1	-3861.5	-243057.1	43113.1
20.	-50396.9	2360.9	-3632.4	-3910.2	-204878.6	52527.7

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	-50307.2	1953.2	-3670.1	-3861.5	-206355.6	62644.6
30.	-50357.1	2360.9	-3632.4	-3910.2	-168554.5	76137.0
	-50267.4	1953.2	-3670.1	-3861.5	-169654.1	82176.1
40.	-50317.3	2360.9	-3632.4	-3910.2	-132230.4	99746.3
	-50227.6	1953.2	-3670.1	-3861.5	-132952.6	101707.7
50.	-50277.5	2360.9	-3632.4	-3910.2	-95906.2	123355.6
	-50187.8	1953.2	-3670.1	-3861.5	-96251.1	121239.2
60.	-50237.7	2360.9	-3632.4	-3910.2	-59582.1	146965.0
	-50148.0	1953.2	-3670.1	-3861.5	-59549.6	140770.7
70.	-50197.9	2360.9	-3632.4	-3910.2	-23258.0	170574.3
	-50108.2	1953.2	-3670.1	-3861.5	-22848.1	160302.2
80.	-50158.0	2360.9	-3632.4	-3910.2	13066.2	194183.6
	-50068.3	1953.2	-3670.1	-3861.5	13853.4	179833.8
Asta	207	nodì	129	31		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-54618.8	-3359.8	-3760.4	3655.7	-297346.5	-4347.4
	-54658.5	-3752.0	-3716.1	3798.3	-294763.6	13765.6
10.	-54579.0	-3359.8	-3760.4	3655.7	-259742.3	-37945.1
	-54618.7	-3752.0	-3716.1	3798.3	-257602.4	-23754.7
20.	-54539.2	-3359.8	-3760.4	3655.7	-222138.1	-71542.9
	-54578.9	-3752.0	-3716.1	3798.3	-220441.2	-61275.0
30.	-54499.4	-3359.8	-3760.4	3655.7	-184533.9	-105140.6
	-54539.1	-3752.0	-3716.1	3798.3	-183280.1	-98795.3
40.	-54459.6	-3359.8	-3760.4	3655.7	-146929.7	-138738.3
	-54499.3	-3752.0	-3716.1	3798.3	-146118.9	-136315.6
50.	-54419.8	-3359.8	-3760.4	3655.7	-109325.5	-172336.1
	-54459.4	-3752.0	-3716.1	3798.3	-108957.7	-173835.9
60.	-54379.9	-3359.8	-3760.4	3655.7	-71721.3	-205933.8
	-54419.6	-3752.0	-3716.1	3798.3	-71796.5	-211356.2
70.	-54340.1	-3359.8	-3760.4	3655.7	-34117.1	-239531.6
	-54379.8	-3752.0	-3716.1	3798.3	-34635.3	-248876.5
80.	-54300.3	-3359.8	-3760.4	3655.7	3487.1	-273129.3
	-54340.0	-3752.0	-3716.1	3798.3	2525.9	-286396.7
Asta	208	nodì	146	104		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-41305.5	6279.7	790.3	-18271.8	20178.7	-15486.8
	-41161.8	6223.9	718.2	-16767.1	16583.0	-12825.9
10.	-41265.7	6279.7	790.3	-18271.8	12275.7	47310.2
	-41122.0	6223.9	718.2	-16767.1	9400.7	49412.7
20.	-41225.9	6279.7	790.3	-18271.8	4372.7	110107.3
	-41082.2	6223.9	718.2	-16767.1	2218.3	111651.2
30.	-41186.1	6279.7	790.3	-18271.8	-3530.2	172904.3
	-41042.4	6223.9	718.2	-16767.1	-4964.0	173889.8
40.	-41146.3	6279.7	790.3	-18271.8	-11433.2	235701.4
	-41002.5	6223.9	718.2	-16767.1	-12146.3	236128.4
50.	-41106.5	6279.7	790.3	-18271.8	-19336.2	298498.4
	-40962.7	6223.9	718.2	-16767.1	-19328.6	298366.9
60.	-41066.7	6279.7	790.3	-18271.8	-27239.2	361295.5
	-40922.9	6223.9	718.2	-16767.1	-26511.0	360605.5
70.	-41026.9	6279.7	790.3	-18271.8	-35142.2	424092.5
	-40883.1	6223.9	718.2	-16767.1	-33693.3	422844.0
80.	-40987.0	6279.7	790.3	-18271.8	-43045.1	486889.6
	-40843.3	6223.9	718.2	-16767.1	-40875.6	485082.6
Asta	209	nodì	131	35		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-33067.1	3330.7	-1244.3	-2449.6	-36201.8	-68470.7
	-33754.5	3241.7	-1264.8	-4033.5	-38074.6	-62976.7
10.	-33027.3	3330.7	-1244.3	-2449.6	-23759.0	-35163.8
	-33714.7	3241.7	-1264.8	-4033.5	-25426.9	-30559.7
20.	-32987.5	3330.7	-1244.3	-2449.6	-11316.2	-1856.8
	-33674.9	3241.7	-1264.8	-4033.5	-12779.2	1857.2
30.	-32947.7	3330.7	-1244.3	-2449.6	1126.6	31450.2
	-33635.1	3241.7	-1264.8	-4033.5	-131.5	34274.2
40.	-32907.9	3330.7	-1244.3	-2449.6	13569.4	64757.1
	-33595.3	3241.7	-1264.8	-4033.5	12516.2	66691.1
50.	-32868.1	3330.7	-1244.3	-2449.6	26012.2	98064.1
	-33555.4	3241.7	-1264.8	-4033.5	25163.9	99108.1
60.	-32828.2	3330.7	-1244.3	-2449.6	38454.9	131371.1
	-33515.6	3241.7	-1264.8	-4033.5	37811.6	131525.1
70.	-32788.4	3330.7	-1244.3	-2449.6	50897.7	164678.0
	-33475.8	3241.7	-1264.8	-4033.5	50459.3	163942.0
80.	-32748.6	3330.7	-1244.3	-2449.6	63340.5	197985.0
	-33436.0	3241.7	-1264.8	-4033.5	63107.0	196359.0
Asta	210	nodì	132	37		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-50833.8	1023.3	-652.8	594.6	-40803.1	-20322.0
	-50837.6	530.9	-660.4	978.5	-41273.3	6684.1
10.	-50794.0	1023.3	-652.8	594.6	-34275.5	-10089.4
	-50797.8	530.9	-660.4	978.5	-34669.0	11993.5
20.	-50754.2	1023.3	-652.8	594.6	-27748.0	143.2
	-50758.0	530.9	-660.4	978.5	-28064.7	17302.8
30.	-50714.4	1023.3	-652.8	594.6	-21220.4	10375.8
	-50718.1	530.9	-660.4	978.5	-21460.4	22612.2
40.	-50674.6	1023.3	-652.8	594.6	-14692.9	20608.4
	-50678.3	530.9	-660.4	978.5	-14856.1	27921.5
50.	-50634.8	1023.3	-652.8	594.6	-8165.3	30841.0
	-50638.5	530.9	-660.4	978.5	-8251.7	33230.9
60.	-50594.9	1023.3	-652.8	594.6	-1637.8	41073.6
	-50598.7	530.9	-660.4	978.5	-1647.4	38540.2
70.	-50555.1	1023.3	-652.8	594.6	4889.8	51306.1

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80.	-50558.9	530.9	-660.4	978.5	4956.9	43849.6
	-50515.3	1023.3	-652.8	594.6	11417.4	61538.7
	-50519.1	530.9	-660.4	978.5	11561.2	49158.9
Asta	211	nodì	133	39		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-36957.2	-3654.1	-2822.3	-702.0	-104379.0	64319.2
	-35910.5	-3852.3	-2836.9	-538.3	-103795.7	74279.5
10.	-36917.4	-3654.1	-2822.3	-702.0	-76155.9	27778.3
	-35870.7	-3852.3	-2836.9	-538.3	-75427.0	35756.2
20.	-36877.6	-3654.1	-2822.3	-702.0	-47932.7	-8762.6
	-35830.8	-3852.3	-2836.9	-538.3	-47058.3	-2767.0
30.	-36837.8	-3654.1	-2822.3	-702.0	-19709.6	-45303.6
	-35791.0	-3852.3	-2836.9	-538.3	-18689.6	-41290.3
40.	-36798.0	-3654.1	-2822.3	-702.0	8513.5	-81844.5
	-35751.2	-3852.3	-2836.9	-538.3	9679.2	-79813.6
50.	-36758.2	-3654.1	-2822.3	-702.0	36736.6	-118385.4
	-35711.4	-3852.3	-2836.9	-538.3	38047.9	-118336.9
60.	-36718.4	-3654.1	-2822.3	-702.0	64959.8	-154926.3
	-35671.6	-3852.3	-2836.9	-538.3	66416.6	-156860.2
70.	-36678.6	-3654.1	-2822.3	-702.0	93182.9	-191467.2
	-35631.8	-3852.3	-2836.9	-538.3	94785.3	-195383.4
80.	-36638.7	-3654.1	-2822.3	-702.0	121406.0	-228008.2
	-35592.0	-3852.3	-2836.9	-538.3	123154.0	-233906.7
Asta	212	nodì	134	41		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-35854.4	3746.2	-2676.2	365.8	-97300.7	-70834.6
	-36909.6	3546.1	-2658.9	543.3	-97762.4	-60810.3
10.	-35814.6	3746.2	-2676.2	365.8	-70538.7	-33373.0
	-36869.8	3546.1	-2658.9	543.3	-71173.7	-25349.1
20.	-35774.8	3746.2	-2676.2	365.8	-43776.8	4088.5
	-36830.0	3546.1	-2658.9	543.3	-44584.9	10112.1
30.	-35735.0	3746.2	-2676.2	365.8	-17014.8	41550.1
	-36790.1	3546.1	-2658.9	543.3	-17996.1	45573.4
40.	-35695.2	3746.2	-2676.2	365.8	9747.2	79011.7
	-36750.3	3546.1	-2658.9	543.3	8592.6	81034.6
50.	-35655.3	3746.2	-2676.2	365.8	36509.1	116473.3
	-36710.5	3546.1	-2658.9	543.3	35181.4	116495.8
60.	-35615.5	3746.2	-2676.2	365.8	63271.1	153934.8
	-36670.7	3546.1	-2658.9	543.3	61770.2	151957.0
70.	-35575.7	3746.2	-2676.2	365.8	90033.1	191396.4
	-36630.9	3546.1	-2658.9	543.3	88359.0	187418.2
80.	-35535.9	3746.2	-2676.2	365.8	116795.0	228858.0
	-36591.1	3546.1	-2658.9	543.3	114947.7	222879.4
Asta	213	nodì	135	43		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-49220.1	-1122.7	-541.0	-985.8	-32412.7	4572.1
	-49201.3	-1606.1	-531.1	-930.8	-31804.9	31022.8
10.	-49180.3	-1122.7	-541.0	-985.8	-27003.1	-6655.1
	-49161.5	-1606.1	-531.1	-930.8	-26493.6	14961.8
20.	-49140.5	-1122.7	-541.0	-985.8	-21593.6	-17882.3
	-49121.7	-1606.1	-531.1	-930.8	-21182.3	-1099.2
30.	-49100.7	-1122.7	-541.0	-985.8	-16184.0	-29109.6
	-49081.9	-1606.1	-531.1	-930.8	-15871.0	-17160.2
40.	-49060.9	-1122.7	-541.0	-985.8	-10774.4	-40336.8
	-49042.1	-1606.1	-531.1	-930.8	-10559.7	-33221.2
50.	-49021.1	-1122.7	-541.0	-985.8	-5364.8	-51564.1
	-49002.3	-1606.1	-531.1	-930.8	-5248.3	-49282.2
60.	-48981.3	-1122.7	-541.0	-985.8	44.8	-62791.3
	-48962.5	-1606.1	-531.1	-930.8	63.0	-65343.2
70.	-48941.4	-1122.7	-541.0	-985.8	5454.4	-74018.5
	-48922.6	-1606.1	-531.1	-930.8	5374.3	-81404.2
80.	-48901.6	-1122.7	-541.0	-985.8	10864.0	-85245.8
	-48882.8	-1606.1	-531.1	-930.8	10685.6	-97465.1
Asta	214	nodì	136	45		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-35281.6	-3023.3	-859.3	2855.6	-17351.0	63294.0
	-34678.3	-3139.2	-828.9	3009.6	-15207.7	69090.9
10.	-35241.8	-3023.3	-859.3	2855.6	-8758.0	33060.6
	-34638.5	-3139.2	-828.9	3009.6	-6918.3	37699.4
20.	-35202.0	-3023.3	-859.3	2855.6	-165.0	2827.2
	-34598.7	-3139.2	-828.9	3009.6	1371.1	6307.8
30.	-35162.2	-3023.3	-859.3	2855.6	8427.9	-27406.2
	-34558.9	-3139.2	-828.9	3009.6	9660.5	-25083.7
40.	-35122.3	-3023.3	-859.3	2855.6	17020.9	-57639.7
	-34519.1	-3139.2	-828.9	3009.6	17949.9	-56475.2
50.	-35082.5	-3023.3	-859.3	2855.6	25613.9	-87873.1
	-34479.2	-3139.2	-828.9	3009.6	26239.3	-87866.7
60.	-35042.7	-3023.3	-859.3	2855.6	34206.9	-118106.5
	-34439.4	-3139.2	-828.9	3009.6	34528.7	-119258.3
70.	-35002.9	-3023.3	-859.3	2855.6	42799.9	-148340.0
	-34399.6	-3139.2	-828.9	3009.6	42818.2	-150649.8
80.	-34963.1	-3023.3	-859.3	2855.6	51392.8	-178573.4
	-34359.8	-3139.2	-828.9	3009.6	51107.6	-182041.3
Asta	215	nodì	137	47		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-34992.0	-7544.0	126.6	-2212.9	9816.3	7484.7
	-34947.5	-7781.0	137.8	-2151.7	10114.7	13396.0
10.	-34952.2	-7544.0	126.6	-2212.9	8550.1	-67955.7
	-34907.6	-7781.0	137.8	-2151.7	8736.3	-64414.0

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20.	-34912.4	-7544.0	126.6	-2212.9	7283.9	-143396.1
	-34867.8	-7781.0	137.8	-2151.7	7357.8	-142224.0
30.	-34872.6	-7544.0	126.6	-2212.9	6017.8	-218836.4
	-34828.0	-7781.0	137.8	-2151.7	5979.4	-220034.0
40.	-34832.8	-7544.0	126.6	-2212.9	4751.6	-294276.8
	-34788.2	-7781.0	137.8	-2151.7	4600.9	-297844.0
50.	-34792.9	-7544.0	126.6	-2212.9	3485.5	-369717.2
	-34748.4	-7781.0	137.8	-2151.7	3222.5	-375654.0
60.	-34753.1	-7544.0	126.6	-2212.9	2219.3	-445157.6
	-34708.6	-7781.0	137.8	-2151.7	1844.0	-453464.1
70.	-34713.3	-7544.0	126.6	-2212.9	953.2	-520597.9
	-34668.8	-7781.0	137.8	-2151.7	465.6	-531274.1
80.	-34673.5	-7544.0	126.6	-2212.9	-313.0	-596038.3
	-34629.0	-7781.0	137.8	-2151.7	-912.8	-609084.1
Asta	216	nodì	138	49		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-34399.8	1460.1	-2010.3	8453.5	-173724.7	-42532.1
	-34371.4	1002.8	-2000.5	8526.6	-172986.4	-19301.4
10.	-34360.0	1460.1	-2010.3	8453.5	-153621.7	-27930.9
	-34331.5	1002.8	-2000.5	8526.6	-152981.3	-9273.4
20.	-34320.2	1460.1	-2010.3	8453.5	-133518.8	-13329.7
	-34291.7	1002.8	-2000.5	8526.6	-132976.2	754.7
30.	-34280.4	1460.1	-2010.3	8453.5	-113415.8	1271.5
	-34251.9	1002.8	-2000.5	8526.6	-112971.1	10782.8
40.	-34240.6	1460.1	-2010.3	8453.5	-93312.9	15872.7
	-34212.1	1002.8	-2000.5	8526.6	-92966.0	20810.8
50.	-34200.7	1460.1	-2010.3	8453.5	-73209.9	30473.9
	-34172.3	1002.8	-2000.5	8526.6	-72960.9	30838.9
60.	-34160.9	1460.1	-2010.3	8453.5	-53106.9	45075.2
	-34132.5	1002.8	-2000.5	8526.6	-52955.8	40866.9
70.	-34121.1	1460.1	-2010.3	8453.5	-33004.0	59676.4
	-34092.7	1002.8	-2000.5	8526.6	-32950.7	50895.0
80.	-34081.3	1460.1	-2010.3	8453.5	-12901.0	74277.6
	-34052.9	1002.8	-2000.5	8526.6	-12945.5	60923.1
Asta	217	nodì	139	51		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-34908.6	-1160.8	-1960.0	-8898.5	-168526.1	30793.0
	-34940.3	-1617.1	-1967.3	-8789.5	-169069.8	54029.8
10.	-34868.8	-1160.8	-1960.0	-8898.5	-148926.3	19185.1
	-34900.5	-1617.1	-1967.3	-8789.5	-149396.5	37858.5
20.	-34829.0	-1160.8	-1960.0	-8898.5	-129326.5	7577.2
	-34860.7	-1617.1	-1967.3	-8789.5	-129723.1	21687.2
30.	-34789.2	-1160.8	-1960.0	-8898.5	-109726.7	-4030.7
	-34820.9	-1617.1	-1967.3	-8789.5	-110049.7	5515.9
40.	-34749.4	-1160.8	-1960.0	-8898.5	-90126.9	-15638.6
	-34781.1	-1617.1	-1967.3	-8789.5	-90376.4	-10655.4
50.	-34709.6	-1160.8	-1960.0	-8898.5	-70527.1	-27246.5
	-34741.3	-1617.1	-1967.3	-8789.5	-70703.0	-26826.7
60.	-34669.8	-1160.8	-1960.0	-8898.5	-50927.4	-38854.4
	-34701.5	-1617.1	-1967.3	-8789.5	-51029.6	-42997.9
70.	-34630.0	-1160.8	-1960.0	-8898.5	-31327.6	-50462.3
	-34661.6	-1617.1	-1967.3	-8789.5	-31356.3	-59169.2
80.	-34590.1	-1160.8	-1960.0	-8898.5	-11727.8	-62070.2
	-34621.8	-1617.1	-1967.3	-8789.5	-11682.9	-75340.5
Asta	218	nodì	140	53		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-50382.9	166.0	245.7	-420.5	10712.6	-3233.0
	-50383.2	-98.6	241.2	-732.4	10564.1	2720.8
10.	-50343.0	166.0	245.7	-420.5	8256.0	-1572.7
	-50343.4	-98.6	241.2	-732.4	8151.7	1734.9
20.	-50303.2	166.0	245.7	-420.5	5799.4	87.5
	-50303.6	-98.6	241.2	-732.4	5739.4	749.1
30.	-50263.4	166.0	245.7	-420.5	3342.8	1747.8
	-50263.8	-98.6	241.2	-732.4	3327.1	-236.8
40.	-50223.6	166.0	245.7	-420.5	886.2	3408.1
	-50224.0	-98.6	241.2	-732.4	914.7	-1222.6
50.	-50183.8	166.0	245.7	-420.5	-1570.3	5068.4
	-50184.2	-98.6	241.2	-732.4	-1497.6	-2208.5
60.	-50144.0	166.0	245.7	-420.5	-4026.9	6728.6
	-50144.4	-98.6	241.2	-732.4	-3909.9	-3194.3
70.	-50104.2	166.0	245.7	-420.5	-6483.5	8388.9
	-50104.5	-98.6	241.2	-732.4	-6322.3	-4180.2
80.	-50064.4	166.0	245.7	-420.5	-8940.1	10049.2
	-50064.7	-98.6	241.2	-732.4	-8734.6	-5166.0
Asta	219	nodì	141	55		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-35992.9	-9780.5	-384.2	-2651.8	9111.3	10737.0
	-35749.9	-10003.1	-378.7	-2596.5	9403.1	16561.5
10.	-35953.0	-9780.5	-384.2	-2651.8	12953.8	-87068.4
	-35710.1	-10003.1	-378.7	-2596.5	13190.1	-83469.4
20.	-35913.2	-9780.5	-384.2	-2651.8	16796.2	-184873.7
	-35670.3	-10003.1	-378.7	-2596.5	16977.1	-183500.4
30.	-35873.4	-9780.5	-384.2	-2651.8	20638.7	-282679.1
	-35630.5	-10003.1	-378.7	-2596.5	20764.0	-283531.3
40.	-35833.6	-9780.5	-384.2	-2651.8	24481.1	-380484.5
	-35590.7	-10003.1	-378.7	-2596.5	24551.0	-383562.2
50.	-35793.8	-9780.5	-384.2	-2651.8	28323.6	-478289.8
	-35550.9	-10003.1	-378.7	-2596.5	28337.9	-483593.1
60.	-35754.0	-9780.5	-384.2	-2651.8	32166.0	-576095.2
	-35511.1	-10003.1	-378.7	-2596.5	32124.9	-583624.0

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70.	-35714.2	-9780.5	-384.2	-2651.8	36008.5	-673900.5
	-35471.3	-10003.1	-378.7	-2596.5	35911.9	-683654.9
80.	-35674.4	-9780.5	-384.2	-2651.8	39850.9	-771705.9
	-35431.4	-10003.1	-378.7	-2596.5	39698.8	-783685.9
Asta	220	nodì	142	57		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-24115.8	-894.4	1180.9	-82.7	35889.2	10756.4
	-24073.7	-1127.8	1179.5	-298.7	35847.8	23035.9
10.	-24076.0	-894.4	1180.9	-82.7	24080.0	1812.4
	-24033.9	-1127.8	1179.5	-298.7	24052.9	11758.4
20.	-24036.2	-894.4	1180.9	-82.7	12270.8	-7131.7
	-23994.1	-1127.8	1179.5	-298.7	12258.0	480.9
30.	-23996.4	-894.4	1180.9	-82.7	461.7	-16075.8
	-23954.2	-1127.8	1179.5	-298.7	463.0	-10796.6
40.	-23956.6	-894.4	1180.9	-82.7	-11347.5	-25019.9
	-23914.4	-1127.8	1179.5	-298.7	-11331.9	-22074.2
50.	-23916.7	-894.4	1180.9	-82.7	-23156.7	-33964.0
	-23874.6	-1127.8	1179.5	-298.7	-23126.8	-33351.7
60.	-23876.9	-894.4	1180.9	-82.7	-34965.8	-42908.1
	-23834.8	-1127.8	1179.5	-298.7	-34921.7	-44629.2
70.	-23837.1	-894.4	1180.9	-82.7	-46775.0	-51852.1
	-23795.0	-1127.8	1179.5	-298.7	-46716.6	-55906.7
80.	-23797.3	-894.4	1180.9	-82.7	-58584.2	-60796.2
	-23755.2	-1127.8	1179.5	-298.7	-58511.5	-67184.2
Asta	221	nodì	143	59		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-49236.9	-2556.8	281.2	1871.5	17909.7	170985.8
	-49251.0	-3066.2	285.2	1931.1	18186.6	196840.2
10.	-49197.1	-2556.8	281.2	1871.5	15097.9	145417.6
	-49211.2	-3066.2	285.2	1931.1	15334.4	166178.0
20.	-49157.2	-2556.8	281.2	1871.5	12286.1	119849.4
	-49171.3	-3066.2	285.2	1931.1	12482.1	135515.9
30.	-49117.4	-2556.8	281.2	1871.5	9474.3	94281.2
	-49131.5	-3066.2	285.2	1931.1	9629.9	104853.7
40.	-49077.6	-2556.8	281.2	1871.5	6662.6	68713.0
	-49091.7	-3066.2	285.2	1931.1	6777.7	74191.5
50.	-49037.8	-2556.8	281.2	1871.5	3850.8	43144.8
	-49051.9	-3066.2	285.2	1931.1	3925.4	43529.4
60.	-48998.0	-2556.8	281.2	1871.5	1039.0	17576.6
	-49012.1	-3066.2	285.2	1931.1	1073.2	12867.2
70.	-48958.2	-2556.8	281.2	1871.5	-1772.8	-7991.6
	-48972.3	-3066.2	285.2	1931.1	-1779.1	-17795.0
80.	-48918.4	-2556.8	281.2	1871.5	-4584.6	-33559.8
	-48932.5	-3066.2	285.2	1931.1	-4631.3	-48457.1
Asta	222	nodì	144	61		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-38998.2	1590.0	183.3	-161.2	13994.7	-67772.2
	-39009.7	1051.3	186.1	257.9	14277.7	-41264.2
10.	-38958.4	1590.0	183.3	-161.2	12162.0	-51872.0
	-38969.9	1051.3	186.1	257.9	12416.6	-30751.2
20.	-38918.6	1590.0	183.3	-161.2	10329.3	-35971.8
	-38930.1	1051.3	186.1	257.9	10555.6	-20238.2
30.	-38878.8	1590.0	183.3	-161.2	8496.6	-20071.5
	-38890.3	1051.3	186.1	257.9	8694.6	-9725.2
40.	-38839.0	1590.0	183.3	-161.2	6663.9	-4171.3
	-38850.5	1051.3	186.1	257.9	6833.6	787.9
50.	-38799.2	1590.0	183.3	-161.2	4831.1	11729.0
	-38810.7	1051.3	186.1	257.9	4972.5	11300.9
60.	-38759.4	1590.0	183.3	-161.2	2998.4	27629.2
	-38770.8	1051.3	186.1	257.9	3111.5	21813.9
70.	-38719.6	1590.0	183.3	-161.2	1165.7	43529.4
	-38731.0	1051.3	186.1	257.9	1250.5	32326.9
80.	-38679.7	1590.0	183.3	-161.2	-667.0	59429.7
	-38691.2	1051.3	186.1	257.9	-610.6	42839.9
Asta	223	nodì	145	63		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-40559.3	5038.4	549.6	-1964.6	23081.0	-255336.1
	-40535.9	4629.0	553.7	-3252.5	23581.2	-235215.8
10.	-40519.5	5038.4	549.6	-1964.6	17584.6	-204951.6
	-40496.1	4629.0	553.7	-3252.5	18044.4	-188925.5
20.	-40479.6	5038.4	549.6	-1964.6	12088.2	-154567.2
	-40456.3	4629.0	553.7	-3252.5	12507.6	-142635.3
30.	-40439.8	5038.4	549.6	-1964.6	6591.8	-104182.7
	-40416.5	4629.0	553.7	-3252.5	6970.8	-96345.0
40.	-40400.0	5038.4	549.6	-1964.6	1095.4	-53798.2
	-40376.7	4629.0	553.7	-3252.5	1434.0	-50054.7
50.	-40360.2	5038.4	549.6	-1964.6	-4401.0	-3413.8
	-40336.8	4629.0	553.7	-3252.5	-4102.9	-3764.4
60.	-40320.4	5038.4	549.6	-1964.6	-9897.4	46970.7
	-40297.0	4629.0	553.7	-3252.5	-9639.7	42525.9
70.	-40280.6	5038.4	549.6	-1964.6	-15393.8	97355.2
	-40257.2	4629.0	553.7	-3252.5	-15176.5	88816.2
80.	-40240.8	5038.4	549.6	-1964.6	-20890.2	147739.7
	-40217.4	4629.0	553.7	-3252.5	-20713.3	135106.5
Asta	224	nodì	145	118		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-4018.6	42581.7	430.0	-34998.2	30546.2	-2576924.4
	-3150.4	41882.8	435.3	-37194.8	31568.1	-2758754.2
34.	-4018.6	40734.5	413.5	-34862.9	16109.9	-1150663.8

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69.	-3150.4	40014.7	418.8	-37074.5	16949.0	-1356793.4
	-4018.6	39080.3	399.8	-34743.1	2191.3	215594.6
	-3150.4	38342.2	405.0	-36970.8	2850.5	-15508.9
103.	-4018.6	37628.5	389.3	-34639.0	-11312.6	1528649.5
	-3150.4	36875.4	394.4	-36883.8	-10830.2	1271997.7
137.	-4018.6	36379.3	381.8	-34550.6	-24509.3	2795463.3
	-3150.4	35615.8	386.9	-36813.5	-24200.7	2512824.4
171.	-4018.6	35323.7	377.3	-34477.8	-37502.1	4022846.3
	-3150.4	34555.7	382.3	-36759.9	-37364.9	3713960.3
206.	-4018.6	34443.4	375.1	-34420.6	-50381.8	5217142.1
	-3150.4	33678.3	380.1	-36722.9	-50414.0	4881976.5
240.	-4018.6	33711.0	374.6	-34379.1	-63217.5	6383911.3
	-3150.4	32957.9	379.5	-36702.6	-63418.2	6022717.1
274.	-4018.6	33089.7	374.7	-34353.3	-76048.6	7527616.6
	-3150.4	32359.8	379.6	-36699.0	-76417.2	7140990.4
Asta	225	nodì	114	115		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	159.4	-15040.7	-174.9	18139.0	-39109.7	3029997.7
	-161.1	-15958.0	-174.2	15435.0	-39098.2	3462294.1
50.	159.4	-15979.7	-174.7	18269.4	-30445.0	2261827.6
	-161.1	-16942.6	-174.0	15607.6	-30470.1	2647437.8
99.	159.4	-17077.5	-175.3	18417.4	-21776.3	1443376.2
	-161.1	-18067.1	-174.6	15795.4	-21837.8	1780536.5
149.	159.4	-18371.8	-178.1	18583.2	-13028.3	565760.8
	-161.1	-19374.9	-177.4	15998.5	-13125.9	853499.3
198.	159.4	-19881.4	-183.9	18766.8	-4070.4	-381298.9
	-161.1	-20890.0	-183.2	16217.0	-4203.3	-143435.4
248.	159.4	-21606.5	-193.1	18968.0	5259.6	-1408556.0
	-161.1	-22616.7	-192.5	16450.8	5092.7	-1220728.1
297.	159.4	-23528.7	-205.7	19187.0	15130.7	-2526310.7
	-161.1	-24539.6	-205.1	16699.9	14932.2	-2388567.2
347.	159.4	-25610.7	-221.0	19423.7	25695.3	-3743485.4
	-161.1	-26624.0	-220.5	16964.3	25468.5	-3655897.9
397.	159.4	-27796.8	-237.9	19678.2	37064.2	-5066699.1
	-161.1	-28815.3	-237.5	17244.1	36814.3	-5029450.8
Asta	226	nodì	115	116		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	168.7	29712.0	228.7	-39.2	37144.3	-5058026.2
	307.1	28731.1	223.4	-1941.1	36791.4	-4996135.5
50.	168.7	27475.1	211.4	227.0	26144.5	-3628381.8
	307.1	26485.4	206.0	-1651.5	26060.0	-3615737.5
100.	168.7	25280.2	195.6	494.1	15976.1	-2309804.7
	307.1	24277.1	189.9	-1362.7	16170.8	-2346958.9
150.	168.7	23182.1	182.4	762.2	6537.8	-1098739.9
	307.1	22160.8	176.3	-1074.6	7026.2	-1186482.4
200.	168.7	21215.3	172.3	1031.3	-2316.6	10602.8
	307.1	20171.8	165.9	-787.3	-1516.6	-128743.4
250.	168.7	19393.9	165.7	1301.4	-10753.7	1025226.1
	307.1	18325.9	158.9	-500.8	-9622.1	833097.6
300.	168.7	17711.5	162.1	1572.5	-18937.5	1952323.5
	307.1	16619.4	154.9	-215.0	-17454.2	1706183.4
350.	168.7	16141.2	160.9	1844.6	-27005.2	2798256.7
	307.1	15029.2	153.4	70.0	-25152.8	2496987.0
400.	168.7	14635.7	160.7	2117.7	-35044.0	3567534.3
	307.1	13512.7	153.1	354.3	-32811.7	3210340.3
Asta	227	nodì	116	117		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	841.6	-7178.0	-99.9	-868.6	-18482.1	2096030.9
	562.8	-8286.3	-109.2	-1645.7	-21340.5	2450031.1
50.	841.6	-8689.7	-100.5	-593.2	-13444.8	1696962.2
	562.8	-9796.4	-109.7	-1360.3	-15837.4	1995192.1
101.	841.6	-10245.0	-102.7	-317.6	-8340.5	1220892.0
	562.8	-11341.1	-111.6	-1075.3	-10277.2	1463682.4
151.	841.6	-11874.1	-107.0	-41.7	-3074.9	664813.0
	562.8	-12955.2	-115.7	-790.9	-4570.0	852823.7
201.	841.6	-13593.5	-113.8	234.3	2469.9	24541.4
	562.8	-14659.3	-122.2	-507.0	1402.7	158545.8
252.	841.6	-15406.6	-123.1	510.6	8419.1	-704609.5
	562.8	-16459.3	-131.3	-223.5	7770.6	-1623886.1
302.	841.6	-17303.2	-134.4	787.2	14889.2	-1527154.8
	562.8	-18346.7	-142.8	59.4	14657.6	-1499145.2
352.	841.6	-19260.0	-147.3	1063.9	21971.8	-2446763.5
	562.8	-20298.7	-155.8	341.9	22163.9	-2471116.1
403.	841.6	-21239.8	-160.6	1340.9	29717.4	-3465584.9
	562.8	-22277.9	-169.6	623.9	30349.2	-3542168.2
Asta	228	nodì	117	142		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1470.7	31141.8	243.5	-20319.7	30202.4	-3502298.4
	-1282.0	30187.1	231.9	-20891.0	30699.1	-3554734.8
37.	-1470.7	29700.5	234.1	-20121.1	21368.8	-2376802.6
	-1282.0	28744.4	222.2	-20689.1	22301.1	-2464582.7
74.	-1470.7	28298.4	225.8	-19932.8	12864.4	-1303975.5
	-1282.0	27339.6	213.3	-20497.9	14248.4	-1427177.5
111.	-1470.7	26953.0	218.8	-19754.9	4644.1	-282016.7
	-1282.0	25990.7	205.9	-20317.3	6498.2	-440759.2
148.	-1470.7	25673.3	213.5	-19587.3	-3349.5	691362.9
	-1282.0	24707.3	200.0	-20147.4	-1005.2	496943.7
185.	-1470.7	24459.9	209.9	-19430.1	-11178.1	1618629.8
	-1282.0	23491.2	195.8	-19988.1	-8323.3	1388414.5

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222.	-1470.7	23304.8	207.8	-19283.2	-18901.6	2502116.1
	-1282.0	22336.0	193.3	-19839.5	-15517.5	2236048.2
259.	-1470.7	22191.9	206.9	-19146.7	-26570.8	3343707.7
	-1282.0	21227.0	192.0	-19701.5	-22642.2	3041851.3
296.	-1470.7	21096.4	206.7	-19020.5	-34220.6	4144532.7
	-1282.0	20141.7	191.7	-19574.1	-29738.5	3807141.8

Asta	229	nod	142	143		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	53.0	-25531.9	-125.5	15504.7	-34799.1	7587880.3
	-536.3	-26405.3	-138.4	14526.9	-38722.8	7917423.7
44.	53.0	-26877.2	-125.9	15656.2	-29214.3	6423680.6
	-536.3	-27728.2	-138.6	14679.2	-32567.8	6714871.1
89.	53.0	-28338.0	-127.6	15820.0	-23588.1	5197450.0
	-536.3	-29158.2	-139.8	14843.1	-26386.9	5451481.3
133.	53.0	-29990.2	-131.5	15996.1	-17842.4	3902294.5
	-536.3	-30774.2	-143.0	15018.6	-20112.8	4120667.8
178.	53.0	-31889.1	-138.3	16184.5	-11860.7	2528407.3
	-536.3	-32634.4	-149.1	15205.6	-13635.4	2712797.0
222.	53.0	-34070.1	-148.6	16385.2	-5499.3	1063962.8
	-536.3	-34776.4	-158.6	15404.2	-6813.8	1216103.1
267.	53.0	-36548.5	-162.6	16598.2	1401.5	-503989.4
	-536.3	-37217.5	-171.8	15614.4	512.0	-382397.6
311.	53.0	-39319.4	-180.3	16823.6	9007.1	-2188630.3
	-536.3	-39954.1	-188.8	15836.1	8509.3	-2095991.5
356.	53.0	-42357.9	-201.5	17061.2	17477.3	-4002477.1
	-536.3	-42962.3	-209.3	16069.4	17341.1	-3937353.5

Asta	230	nod	143	144		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	2609.8	6879.0	79.7	-848.5	15605.8	-3831491.3
	2529.9	6288.7	75.9	-2117.2	15410.0	-3740513.3
37.	2609.8	4169.7	59.8	-645.1	13014.8	-3626293.3
	2529.9	3601.2	56.4	-1918.2	12950.4	-3556777.9
74.	2609.8	1324.6	37.9	-441.8	11198.7	-3524088.9
	2529.9	774.1	35.0	-1719.8	11249.5	-3475296.7
111.	2609.8	-1634.9	14.5	-238.5	10222.3	-3529521.2
	2529.9	-2171.7	11.9	-1522.2	10374.3	-3500862.7
148.	2609.8	-4685.9	-10.4	-35.3	10142.1	-3646409.4
	2529.9	-5213.5	-12.6	-1325.2	10383.5	-3637460.1
185.	2609.8	-7803.7	-36.4	168.0	11005.6	-3877690.0
	2529.9	-8326.9	-38.4	-1129.0	11326.8	-3888199.6
222.	2609.8	-10962.1	-63.3	371.2	12851.1	-4225359.0
	2529.9	-11485.7	-65.2	-933.4	13244.5	-4255253.2
259.	2609.8	-14133.4	-90.9	574.5	15707.5	-4690413.1
	2529.9	-14661.8	-92.6	-738.6	16167.2	-4739789.7
297.	2609.8	-17288.2	-118.8	777.7	19593.6	-5272791.3
	2529.9	-17825.7	-120.5	-544.5	20115.0	-5341909.5

Asta	231	nod	144	145		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	1019.8	21710.0	64.4	-13217.0	19754.8	-5340563.5
	1478.6	21184.0	65.6	-14822.1	19857.2	-5383173.8
34.	1019.8	18888.2	39.0	-13035.4	18015.9	-4658150.0
	1478.6	18350.8	40.3	-14649.4	18076.2	-4718630.9
67.	1019.8	16130.5	13.7	-12859.3	17130.2	-4069610.0
	1478.6	15578.8	15.1	-14482.9	17146.0	-4148393.5
101.	1019.8	13459.6	-11.1	-12688.6	17088.3	-3572399.2
	1478.6	12891.0	-9.8	-14322.5	17058.1	-3670010.6
135.	1019.8	10895.7	-35.4	-12523.4	17872.5	-3163250.9
	1478.6	10307.9	-34.0	-14168.4	17795.2	-3280299.2
168.	1019.8	8456.4	-58.6	-12363.6	19456.1	-2838264.0
	1478.6	7847.6	-57.2	-14020.4	19330.9	-2975427.0
202.	1019.8	6156.7	-80.7	-12209.4	21802.2	-2592990.5
	1478.6	5525.7	-79.3	-13878.6	21629.2	-2750996.1
235.	1019.8	4008.8	-101.1	-12060.6	24863.6	-2422524.2
	1478.6	3355.2	-99.7	-13743.0	24643.4	-2602126.4
269.	1019.8	2022.4	-119.7	-11917.2	28581.6	-2321588.3
	1478.6	1346.9	-118.3	-13613.6	28315.5	-2523538.3

Asta	232	nod	131	146		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	4234.5	-8757.9	2499.7	93049.0	544923.7	1358981.1
	4092.9	-9145.6	2478.6	97844.0	542334.3	1432710.1
45.	4234.5	-9688.3	2505.1	93716.8	433462.2	948365.1
	4092.9	-10033.1	2484.0	98779.7	431812.6	1005779.4
89.	4234.5	-10732.1	2533.4	94458.1	321312.4	493824.8
	4092.9	-11036.0	2512.2	99793.5	320606.0	536794.5
134.	4234.5	-11902.3	2599.2	95273.0	207112.1	-10015.6
	4092.9	-12167.9	2577.6	100885.3	207357.9	20277.4
178.	4234.5	-13203.4	2712.1	96161.5	88958.8	-568919.2
	4092.9	-13433.7	2690.1	102055.2	90173.3	-549662.0
223.	4234.5	-14631.4	2877.0	97123.5	-35374.9	-1188661.0
	4092.9	-14829.9	2854.4	103303.1	-33168.1	-1178943.7
267.	4234.5	-16174.0	3094.0	98159.0	-168226.7	-1874652.3
	4092.9	-16344.2	3070.7	104629.1	-164998.6	-1873135.8
312.	4234.5	-17810.3	3358.3	99268.1	-311829.3	-2631565.3
	4092.9	-17955.9	3334.3	106033.2	-307549.4	-2637072.0
357.	4234.5	-19511.1	3660.3	100450.7	-468095.6	-3462957.7
	4092.9	-19635.6	3635.9	107515.3	-462737.2	-3474470.0

Asta	233	nod	146	119		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	3444.2	21794.4	-2619.4	115937.5	-449823.7	-3483136.4

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	3374.7	21526.2	-2588.0	120341.2	-445970.1	-3491053.0
39.	3444.2	20282.3	-2334.9	117040.2	-353171.5	-2662618.3
	3374.7	20029.7	-2303.7	121709.4	-350538.4	-2680682.5
78.	3444.2	18775.6	-2041.2	118213.6	-267821.3	-1901046.1
	3374.7	18536.3	-2009.8	123151.8	-266408.2	-1928693.1
117.	3444.2	17295.2	-1745.8	119457.9	-193979.9	-1197779.7
	3374.7	17066.8	-1713.9	124668.2	-193801.0	-1234539.0
156.	3444.2	15855.7	-1454.8	120773.1	-131589.9	-551487.8
	3374.7	15636.1	-1421.8	126258.7	-132675.9	-596977.3
195.	3444.2	14465.5	-1172.6	122159.1	-80389.5	39608.6
	3374.7	14252.7	-1138.2	127923.2	-82788.1	-14307.5
234.	3444.2	13126.7	-902.1	123616.0	-39973.1	577492.5
	3374.7	12919.3	-865.9	129661.8	-43747.5	515388.0
273.	3444.2	11835.1	-644.8	125143.7	-9851.1	1064107.2
	3374.7	11632.1	-606.5	131474.5	-15077.8	994003.2
312.	3444.2	10580.4	-400.4	126742.2	10490.0	1501112.3
	3374.7	10381.3	-359.8	133361.3	3724.9	1423168.4
Asta	234	nod	119	118		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-4246.8	12518.9	-1726.8	-62994.7	-221150.9	-1891247.9
	-4128.2	12574.9	-1749.7	-71425.5	-225150.7	-1936632.7
76.	-4246.8	10147.8	-1286.8	-59864.3	-106873.1	-1029904.2
	-4128.2	10212.2	-1305.2	-67736.8	-109306.6	-1070723.1
152.	-4246.8	7912.2	-907.5	-56846.5	-23846.5	-344066.8
	-4128.2	7988.6	-921.7	-64174.5	-25048.4	-379561.7
228.	-4246.8	5850.8	-600.2	-53941.3	33015.8	178167.4
	-4128.2	5945.0	-610.7	-60738.7	32746.6	149118.5
304.	-4246.8	3982.5	-369.7	-51148.8	69414.6	550894.6
	-4128.2	4102.3	-377.5	-57429.4	69834.9	529933.4
380.	-4246.8	2306.7	-214.3	-48468.9	91166.6	788905.5
	-4128.2	2460.8	-220.1	-54246.6	92098.5	778302.6
456.	-4246.8	803.0	-125.5	-45901.7	103705.4	906187.4
	-4128.2	1000.7	-130.3	-51190.3	105036.8	908905.1
532.	-4246.8	-568.8	-88.7	-43447.1	111582.8	914426.5
	-4128.2	-318.3	-93.0	-48260.4	113259.1	934134.0
609.	-4246.8	-1868.4	-82.2	-41105.2	117969.9	821509.1
	-4128.2	-1556.6	-86.6	-45457.1	119976.0	862552.2
Asta	236	nod	132	131		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-600.0	26699.9	-380.1	-41304.5	-52776.1	-4919950.4
	-295.9	25699.5	-383.6	-39149.8	-53631.0	-4955906.2
53.	-600.0	24431.9	-352.6	-39709.4	-33489.3	-3573172.1
	-295.9	23430.2	-356.0	-37555.1	-34162.1	-3661844.6
105.	-600.0	22253.3	-329.6	-38151.8	-15541.5	-2343855.6
	-295.9	21244.8	-332.7	-35995.5	-16043.6	-2485463.5
158.	-600.0	20226.3	-312.6	-36631.6	1348.7	-1225557.8
	-295.9	19207.5	-315.5	-34471.1	1005.0	-1420561.5
211.	-600.0	18391.8	-302.4	-35149.0	17520.8	-209117.3
	-295.9	17361.7	-305.0	-32981.8	17323.9	-458100.6
263.	-600.0	16768.9	-298.3	-33703.8	33319.0	716206.0
	-295.9	15730.9	-300.8	-31527.8	33259.3	412716.9
316.	-600.0	15355.1	-299.0	-32296.1	49038.6	1561590.9
	-295.9	14317.5	-301.5	-30108.9	49109.1	1203370.4
369.	-600.0	14126.4	-302.1	-30926.0	64872.3	2337515.8
	-295.9	13104.0	-304.5	-28725.2	65068.8	1924944.5
422.	-600.0	13036.9	-304.1	-29593.3	80857.0	3052618.9
	-295.9	12052.1	-306.5	-27376.7	81177.5	2587051.2
Asta	237	nod	133	132		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	423.3	-9523.3	118.9	-100065.4	27295.3	2363644.9
	235.0	-10694.3	124.9	-98297.0	28983.9	2803970.6
58.	423.3	-10550.3	121.6	-97412.7	20326.7	1781693.4
	235.0	-11716.5	127.2	-95662.5	21677.8	2154058.4
116.	423.3	-11776.4	128.0	-94876.6	13104.2	1134617.3
	235.0	-12919.7	133.2	-93142.4	14139.6	1439872.6
174.	423.3	-13248.1	139.6	-92457.1	5364.9	409384.5
	235.0	-14359.6	144.4	-90736.7	6109.6	649157.3
232.	423.3	-14986.4	157.1	-90154.1	-3218.0	-408998.3
	235.0	-16064.1	161.5	-88445.3	-2739.8	-232772.1
290.	423.3	-16986.9	180.4	-87967.6	-12988.8	-1336004.9
	235.0	-18034.3	184.5	-86268.2	-12758.0	-1221444.1
348.	423.3	-19219.5	208.7	-85897.7	-24264.0	-2386109.4
	235.0	-20243.6	212.7	-84205.5	-24268.5	-2331647.1
406.	423.3	-21628.8	240.3	-83944.4	-37286.9	-3571305.9
	235.0	-22638.6	244.3	-82257.2	-37522.6	-3575844.3
465.	423.3	-24133.9	272.7	-82107.6	-52181.5	-4899628.4
	235.0	-25138.0	276.8	-80423.1	-52652.4	-4962590.3
Asta	238	nod	135	134		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	480.2	23607.6	-205.7	92917.6	-40967.4	-4783236.7
	657.2	22552.1	-199.6	94733.0	-40108.2	-4703320.5
58.	480.2	21333.1	-182.4	94501.4	-29694.2	-3478695.9
	657.2	20273.8	-176.7	96322.6	-29179.0	-3460138.7
116.	480.2	19135.8	-159.3	96214.5	-19778.4	-2304421.2
	657.2	18064.7	-153.8	98043.9	-19588.1	-2347671.5
174.	480.2	17094.8	-138.3	98056.9	-11151.8	-1253508.2
	657.2	16003.4	-132.9	99896.9	-11276.1	-1359500.8
232.	480.2	15263.2	-120.7	100028.7	-3650.3	-315215.5
	657.2	14144.7	-115.3	101881.7	-4088.7	-485337.8
290.	480.2	13668.3	-107.4	102129.7	2951.6	523532.1

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348.	657.2	12519.1	-101.7	103998.1	2190.2	287581.9
	480.2	12311.4	-98.4	104360.1	8905.8	1276640.6
	657.2	11133.3	-92.4	106246.3	7805.1	973103.6
406.	480.2	11168.0	-93.3	106719.9	14455.7	1957343.9
	657.2	9969.8	-87.0	108626.2	12995.5	1584758.3
465.	480.2	10187.7	-91.1	109208.9	19800.8	2576700.6
	657.2	8987.2	-84.5	111137.8	17962.3	2134367.6
Asta	239	nodì	136	135		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-642.5	-14503.5	293.3	51888.5	74792.8	2738133.2
	-948.9	-15505.1	291.9	54352.5	74804.2	3202431.0
49.	-642.5	-15306.5	291.5	52784.8	60433.2	2007361.6
	-948.9	-16345.6	290.0	55235.8	60517.1	2421502.9
98.	-642.5	-16254.1	288.3	53732.7	46207.8	1233811.7
	-948.9	-17311.3	286.7	56173.0	46368.4	1596459.7
147.	-642.5	-17379.0	286.4	54732.3	32118.9	409518.4
	-948.9	-18440.9	284.5	57164.1	32364.9	720139.5
196.	-642.5	-18696.5	287.5	55783.5	18058.1	-474660.1
	-948.9	-19755.0	285.3	58209.2	18402.0	-216078.0
245.	-642.5	-20205.3	292.8	56886.4	3841.6	-1428213.1
	-948.9	-21256.7	290.3	59308.1	4299.5	-1221395.8
294.	-642.5	-21887.2	302.9	58040.9	-10753.5	-2460148.2
	-948.9	-22931.1	300.0	60460.9	-10163.3	-2304724.6
343.	-642.5	-23707.0	317.4	59247.1	-25953.7	-3578161.5
	-948.9	-24745.4	314.1	61667.5	-25211.4	-3473807.1
393.	-642.5	-25612.5	335.3	60504.9	-41953.2	-4787808.8
	-948.9	-26649.2	331.6	62928.1	-41038.9	-4734343.3
Asta	240	nodì	138	129		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-602.9	20957.4	-1470.1	205269.5	-154719.5	-1720938.5
	-147.9	20598.3	-1466.1	199924.7	-153868.1	-1751495.1
39.	-602.9	17723.7	-1366.9	208760.1	-99527.2	-967961.7
	-147.9	17362.2	-1363.2	203403.0	-98825.4	-1012547.7
78.	-602.9	14523.8	-1277.8	212379.3	-48087.7	-340266.3
	-147.9	14160.3	-1274.4	207006.8	-47524.4	-398966.5
117.	-602.9	11364.1	-1205.0	216127.1	193.9	163600.2
	-147.9	10999.2	-1201.8	210736.1	629.1	90717.8
156.	-602.9	8247.9	-1149.3	220003.6	45971.6	545278.0
	-147.9	7882.6	-1146.3	214590.8	46288.0	458176.2
195.	-602.9	5175.1	-1110.4	224008.7	89910.8	806468.8
	-147.9	4811.0	-1107.6	218571.1	90116.2	705161.0
234.	-602.9	2142.4	-1086.8	228142.5	132640.4	948809.2
	-147.9	1781.8	-1084.1	222676.8	132740.9	833384.7
273.	-602.9	-856.7	-1075.7	232405.0	174705.2	973744.6
	-147.9	-1210.6	-1073.1	226908.0	174704.9	844399.3
312.	-602.9	-3832.0	-1073.0	236796.1	216518.0	882402.6
	-147.9	-4175.0	-1070.5	231264.7	216418.9	739475.6
Asta	241	nodì	139	138		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	857.2	14080.6	-501.8	3040.0	-140449.9	-1793652.6
	855.0	13748.4	-506.9	-1571.9	-141207.0	-1740192.5
41.	857.2	10691.6	-383.1	6564.1	-122271.4	-1285696.8
	855.0	10362.2	-388.1	1963.3	-122821.7	-1245798.7
82.	857.2	7270.4	-255.1	10099.3	-109161.0	-917382.0
	855.0	6943.5	-260.0	5506.6	-109508.7	-890933.9
123.	857.2	3826.0	-120.7	13645.7	-101439.8	-689842.9
	855.0	3500.8	-125.6	9058.1	-101586.7	-676757.4
164.	857.2	367.1	17.0	17203.2	-99306.2	-603850.4
	855.0	42.7	12.0	12617.8	-99251.6	-604076.6
205.	857.2	-3097.5	155.0	20771.9	-102834.9	-659817.9
	855.0	-3422.3	149.9	16185.6	-102575.0	-673348.3
246.	857.2	-6559.5	290.2	24351.7	-111975.8	-857809.1
	855.0	-6885.6	285.0	19761.7	-111504.1	-884678.7
287.	857.2	-10010.5	419.7	27942.7	-126553.5	-1197544.1
	855.0	-10338.7	414.1	23345.9	-125860.9	-1237824.6
328.	857.2	-13442.4	540.2	31544.9	-146266.0	-1678406.3
	855.0	-13773.1	534.4	26938.3	-145341.5	-1732193.7
Asta	242	nodì	128	139		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-303.6	2808.7	1074.6	-195148.6	216286.6	858355.2
	-762.2	2456.1	1075.9	-200493.6	216167.1	1001570.8
38.	-303.6	32.7	1077.1	-191082.7	174953.9	913076.6
	-762.2	-329.8	1078.5	-196393.6	174780.9	1042534.4
77.	-303.6	-2784.5	1087.7	-187119.2	133382.0	860336.8
	-762.2	-3152.9	1089.2	-192398.9	133154.1	975738.6
115.	-303.6	-5651.9	1110.5	-183257.9	91178.7	698370.6
	-762.2	-6023.0	1112.0	-188509.5	90893.1	799552.5
154.	-303.6	-8575.1	1147.9	-179499.0	47825.8	425130.3
	-762.2	-8946.9	1149.6	-184725.4	47478.5	512028.9
192.	-303.6	-11556.7	1201.6	-175842.3	2723.8	38410.2
	-762.2	-11927.5	1203.4	-181046.6	2309.8	111033.1
231.	-303.6	-14595.9	1272.0	-172287.9	-44763.3	-464029.1
	-762.2	-14964.9	1273.9	-177473.0	-45249.5	-405627.3
269.	-303.6	-17688.7	1358.1	-168835.9	-95262.7	-1084336.3
	-762.2	-18055.3	1360.2	-174004.7	-95827.0	-1040072.7
308.	-303.6	-20828.0	1458.2	-165486.1	-149348.4	-1824445.6
	-762.2	-21191.9	1460.4	-170641.7	-149996.4	-1794222.3
Asta	243	nodì	133	129		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ

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0.	549.6	-4590.1	173.7	179713.0	12853.7	4225204.0
	469.8	-4497.5	181.9	159710.2	14875.9	4185020.2
45.	549.6	-5414.8	174.5	178870.1	5099.4	4003030.0
	469.8	-5327.4	182.4	159061.4	6763.3	3966852.3
89.	549.6	-6466.4	176.7	178162.7	-2722.2	3739236.3
	469.8	-6382.3	184.3	158533.3	-1401.7	3706873.0
134.	549.6	-7792.0	180.4	177590.8	-10674.7	3422639.4
	469.8	-7709.3	187.6	158125.9	-9681.2	3393984.0
178.	549.6	-9432.6	185.4	177154.3	-18821.0	3040091.2
	469.8	-9348.7	192.2	157839.3	-18138.5	3015140.0
223.	549.6	-11422.9	191.1	176853.4	-27208.7	2576759.0
	469.8	-11335.0	197.7	157673.3	-26823.3	2555625.5
267.	549.6	-13791.2	196.9	176687.9	-35855.9	2016405.2
	469.8	-13696.4	203.2	157628.1	-35756.7	1999332.6
312.	549.6	-16559.7	201.4	176657.9	-44736.8	1341667.3
	469.8	-16454.6	207.6	157703.6	-44916.7	1329038.1
357.	549.6	-19744.2	203.3	176763.4	-53767.2	534337.4
	469.8	-19625.5	209.5	157899.8	-54222.9	526680.9
Asta	244	nodì	134	128		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	468.8	-3831.0	-181.8	-180851.4	-14960.6	3872544.2
	541.8	-3913.7	-174.1	-200905.3	-13083.0	3907144.5
45.	468.8	-4629.0	-182.5	-180292.8	-6846.6	3684745.9
	541.8	-4704.8	-175.0	-200153.7	-5310.7	3715822.1
89.	468.8	-5639.4	-184.4	-179871.5	1322.6	3456827.9
	541.8	-5710.2	-177.2	-199554.1	2530.5	3484643.9
134.	468.8	-6905.7	-187.7	-179587.4	9608.4	3178332.9
	541.8	-6973.9	-180.9	-199106.5	10503.2	3203059.3
178.	468.8	-8465.8	-192.4	-179440.5	18073.4	2836991.2
	541.8	-8533.9	-185.8	-198811.0	18669.7	2858689.7
223.	468.8	-10351.9	-197.9	-179430.8	26766.8	2418971.9
	541.8	-10422.8	-191.6	-198667.6	27077.2	2437583.4
267.	468.8	-12590.6	-203.4	-179558.4	35709.7	1909135.0
	541.8	-12667.4	-197.3	-198676.2	35743.7	1924468.2
312.	468.8	-15202.8	-207.8	-179823.3	44879.4	1291282.7
	541.8	-15288.6	-201.8	-198836.9	44643.2	1303005.9
357.	468.8	-18203.6	-209.7	-180225.3	54195.5	548411.5
	541.8	-18301.9	-203.7	-199149.6	53691.9	556045.6
Asta	245	nodì	147	114		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2037.2	10588.5	1278.6	80369.5	154641.4	-1682210.8
	-2121.7	10527.0	1280.8	73326.6	153740.5	-1626995.0
76.	-2037.2	8655.5	942.2	77495.2	70463.3	-950541.4
	-2121.7	8582.3	942.5	70962.5	69473.8	-900428.5
152.	-2037.2	6778.3	655.1	74774.6	10057.0	-364061.8
	-2121.7	6688.1	654.1	68741.0	9097.9	-320117.8
228.	-2037.2	4993.2	424.2	72207.7	-30621.2	82955.9
	-2121.7	4877.9	422.5	66662.0	-31474.1	119145.5
304.	-2037.2	3320.5	252.1	69794.6	-55973.8	398391.2
	-2121.7	3169.6	250.0	64725.6	-56675.9	424528.0
380.	-2037.2	1764.2	136.5	67535.2	-70412.7	591050.3
	-2121.7	1566.1	134.2	62931.7	-70940.9	603989.7
456.	-2037.2	312.6	70.7	65429.5	-78011.0	669441.7
	-2121.7	54.8	68.3	61280.4	-78355.4	665118.6
532.	-2037.2	-1062.6	43.4	63477.5	-82153.8	640552.2
	-2121.7	-1392.2	40.9	59771.7	-82311.5	613965.5
609.	-2037.2	-2405.5	38.6	61679.2	-85189.3	508622.0
	-2121.7	-2818.0	36.1	58405.5	-85160.2	453878.9
Asta	246	nodì	148	147		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	1466.0	9675.9	3284.5	-70980.5	526864.1	-1440973.0
	1500.5	9978.6	3362.4	-68791.0	538842.0	-1432522.1
39.	1466.0	8653.4	3009.0	-72159.4	404118.2	-1083504.4
	1500.5	8939.4	3082.3	-69719.6	413148.2	-1063582.3
78.	1466.0	7620.7	2731.3	-73382.9	292191.2	-766142.0
	1500.5	7892.5	2800.2	-70690.8	298449.8	-735349.9
117.	1466.0	6586.1	2460.2	-74651.0	190990.7	-489114.6
	1500.5	6846.2	2525.0	-71704.8	194642.4	-447957.1
156.	1466.0	5555.4	2202.0	-75963.6	100129.4	-252375.5
	1500.5	5806.0	2263.4	-72761.4	101320.3	-201267.5
195.	1466.0	4532.6	1960.7	-77320.8	19016.4	-55688.3
	1500.5	4775.4	2019.3	-73860.7	17870.2	5034.4
234.	1466.0	3519.1	1738.2	-78722.6	-53052.2	101288.5
	1500.5	3755.6	1794.5	-75002.7	-56435.2	171354.1
273.	1466.0	2514.4	1533.8	-80168.9	-116801.1	218915.8
	1500.5	2745.5	1588.3	-76187.3	-122343.3	298098.4
312.	1466.0	1515.7	1344.5	-81659.8	-172885.4	297489.3
	1500.5	1741.7	1397.7	-77414.7	-180527.8	385586.3
Asta	247	nodì	136	148		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	2194.3	-783.8	-2762.8	-55643.0	-568303.1	84443.9
	2308.2	-369.6	-2820.9	-53062.3	-579197.4	4362.0
45.	2194.3	-1494.9	-2768.3	-56621.5	-445117.3	33923.9
	2308.2	-1125.1	-2826.6	-53776.7	-453418.4	-28692.5
89.	2194.3	-2276.1	-2797.5	-57645.7	-321224.1	-49834.1
	2308.2	-1948.7	-2856.3	-54534.1	-326918.5	-96924.5
134.	2194.3	-3128.8	-2865.1	-58715.6	-195220.3	-169996.5
	2308.2	-2841.4	-2925.2	-55334.4	-198268.1	-203399.4
178.	2194.3	-4052.2	-2980.8	-59831.3	-65158.0	-329741.7
	2308.2	-3801.6	-3043.0	-56177.6	-65482.9	-351167.9

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223.	2194.3	-5042.5	-3148.8	-60992.8	71219.8	-532144.4
	2308.2	-4825.2	-3214.2	-57063.9	73735.4	-543156.9
267.	2194.3	-6093.5	-3368.2	-62200.1	216243.5	-780058.5
	2308.2	-5905.8	-3437.6	-57993.1	221758.4	-782059.7
312.	2194.3	-7196.4	-3632.6	-63453.1	372081.3	-1076000.8
	2308.2	-7034.5	-3706.7	-58965.2	380790.7	-1070227.2
357.	2194.3	-8339.5	-3930.6	-64751.8	540503.2	-1422034.8
	2308.2	-8200.0	-4009.9	-59980.4	552629.0	-1409558.4
Asta	249	nodì	27	25		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-15.7	1861.0	4.2	-28552.4	601.8	-237718.5
	-15.4	1854.8	4.2	-28705.1	599.2	-236745.2
39.	-15.7	1739.3	4.2	-28552.4	438.9	-167511.2
	-15.4	1733.1	4.2	-28705.1	436.7	-166779.7
78.	-15.7	1617.7	4.2	-28552.4	276.1	-102049.5
	-15.4	1611.5	4.2	-28705.1	274.2	-101559.7
117.	-15.7	1496.0	4.2	-28552.4	113.2	-41333.2
	-15.4	1489.8	4.2	-28705.1	111.6	-41085.2
156.	-15.7	1374.3	4.2	-28552.4	-49.6	14637.5
	-15.4	1368.1	4.2	-28705.1	-50.9	14643.8
195.	-15.7	1252.6	4.2	-28552.4	-212.4	65862.8
	-15.4	1246.4	4.2	-28705.1	-213.5	65627.3
234.	-15.7	1130.9	4.2	-28552.4	-375.3	112342.5
	-15.4	1124.7	4.2	-28705.1	-376.0	111865.2
273.	-15.7	1009.3	4.2	-28552.4	-538.1	154076.6
	-15.4	1003.1	4.2	-28705.1	-538.6	153357.6
312.	-15.7	887.6	4.2	-28552.4	-701.0	191065.3
	-15.4	881.4	4.2	-28705.1	-701.1	190104.5
Asta	250	nodì	28	26		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2.3	4447.5	5.8	-16990.6	921.8	-314819.4
	-2.2	4443.8	5.9	-16941.2	931.7	-314229.2
39.	-2.3	3630.8	5.8	-16990.6	693.8	-157293.0
	-2.2	3627.1	5.9	-16941.2	701.3	-156847.8
78.	-2.3	2814.1	5.8	-16990.6	465.9	-31616.3
	-2.2	2810.4	5.9	-16941.2	470.9	-31316.0
117.	-2.3	1997.5	5.8	-16990.6	237.9	62210.6
	-2.2	1993.8	5.9	-16941.2	240.6	62366.0
156.	-2.3	1180.8	5.8	-16990.6	9.9	124187.8
	-2.2	1177.1	5.9	-16941.2	10.2	124198.3
195.	-2.3	364.2	5.8	-16990.6	-218.0	154315.2
	-2.2	360.5	5.9	-16941.2	-220.2	154180.8
234.	-2.3	-452.5	5.8	-16990.6	-446.0	152592.9
	-2.2	-456.2	5.9	-16941.2	-450.6	152313.6
273.	-2.3	-1269.2	5.8	-16990.6	-673.9	119020.9
	-2.2	-1272.9	5.9	-16941.2	-681.0	118596.6
312.	-2.3	-2085.8	5.8	-16990.6	-901.9	53599.1
	-2.2	-2089.5	5.9	-16941.2	-911.3	53029.9
Asta	252	nodì	150	48		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-26770.0	-811.8	-587.5	26394.2	-90280.0	43215.7
	-26838.1	-872.4	-573.8	26794.3	-88950.8	43552.1
21.	-26685.4	-811.8	-587.5	26394.2	-77795.1	25964.6
	-26753.5	-872.4	-573.8	26794.3	-76758.5	25013.2
43.	-26600.8	-811.8	-587.5	26394.2	-65310.3	8713.6
	-26668.9	-872.4	-573.8	26794.3	-64566.2	6474.2
64.	-26516.2	-811.8	-587.5	26394.2	-52825.5	-8537.5
	-26584.3	-872.4	-573.8	26794.3	-52373.9	-12064.8
85.	-26431.6	-811.8	-587.5	26394.2	-40340.7	-25788.5
	-26499.7	-872.4	-573.8	26794.3	-40181.6	-30603.8
106.	-26347.0	-811.8	-587.5	26394.2	-27855.8	-43039.6
	-26415.1	-872.4	-573.8	26794.3	-27989.4	-49142.8
128.	-26262.4	-811.8	-587.5	26394.2	-15371.0	-60290.6
	-26330.5	-872.4	-573.8	26794.3	-15797.1	-67681.8
149.	-26177.8	-811.8	-587.5	26394.2	-2886.2	-77541.7
	-26245.9	-872.4	-573.8	26794.3	-3604.8	-86220.7
170.	-26093.2	-811.8	-587.5	26394.2	9598.7	-94792.7
	-26161.3	-872.4	-573.8	26794.3	8587.5	-104759.7
Asta	254	nodì	152	56		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-26927.0	-2626.7	589.7	26450.5	97000.7	16339.1
	-26714.2	-2700.0	599.1	26851.4	98288.8	16218.4
21.	-26842.4	-2626.7	589.7	26450.5	84470.0	-39477.9
	-26629.6	-2700.0	599.1	26851.4	85558.2	-41156.1
43.	-26757.8	-2626.7	589.7	26450.5	71939.3	-95295.0
	-26545.0	-2700.0	599.1	26851.4	72827.7	-98530.7
64.	-26673.2	-2626.7	589.7	26450.5	59408.6	-151112.0
	-26460.4	-2700.0	599.1	26851.4	60097.1	-155905.3
85.	-26588.6	-2626.7	589.7	26450.5	46878.0	-206929.0
	-26375.7	-2700.0	599.1	26851.4	47366.6	-213279.9
106.	-26504.0	-2626.7	589.7	26450.5	34347.3	-262746.0
	-26291.1	-2700.0	599.1	26851.4	34636.0	-270654.5
128.	-26419.4	-2626.7	589.7	26450.5	21816.6	-318563.0
	-26206.5	-2700.0	599.1	26851.4	21905.5	-328029.1
149.	-26334.8	-2626.7	589.7	26450.5	9285.9	-374380.0
	-26121.9	-2700.0	599.1	26851.4	9174.9	-385403.7
170.	-26250.2	-2626.7	589.7	26450.5	-3244.7	-430197.0
	-26037.3	-2700.0	599.1	26851.4	-3555.6	-442778.2
Asta	256	nodì	150	152		

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PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	44.4	5289.4	339.7	10366.1	53051.0	-175019.6
	42.9	5270.6	344.0	10390.8	53733.1	-172085.0
39.	44.4	3948.5	339.7	10366.1	39804.0	5119.0
	42.9	3929.8	344.0	10390.8	40315.8	7324.3
78.	44.4	2607.7	339.7	10366.1	26557.0	132965.7
	42.9	2589.0	344.0	10390.8	26898.4	134441.7
117.	44.4	1266.9	339.7	10366.1	13309.9	208520.4
	42.9	1248.2	344.0	10390.8	13481.1	209267.1
156.	44.4	-73.9	339.7	10366.1	62.9	231783.1
	42.9	-92.6	344.0	10390.8	63.7	231800.5
195.	44.4	-1414.7	339.7	10366.1	-13184.1	202753.9
	42.9	-1433.5	344.0	10390.8	-13353.6	202041.9
234.	44.4	-2755.6	339.7	10366.1	-26431.2	121432.6
	42.9	-2774.3	344.0	10390.8	-26771.0	119991.3
273.	44.4	-4096.4	339.7	10366.1	-39678.2	-12180.6
	42.9	-4115.1	344.0	10390.8	-40188.4	-14351.2
312.	44.4	-5437.2	339.7	10366.1	-52925.2	-198085.8
	42.9	-5455.9	344.0	10390.8	-53605.7	-200985.7

Asta	257	nod	148	106		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-18015.4	-7215.1	728.3	13639.1	18938.2	6228.6
	-18178.5	-7372.2	807.8	13787.0	22963.6	8810.7
10.	-18015.4	-7215.1	728.3	13639.1	11654.9	-65922.0
	-18178.5	-7372.2	807.8	13787.0	14886.0	-64911.7
20.	-18015.4	-7215.1	728.3	13639.1	4371.7	-138072.7
	-18178.5	-7372.2	807.8	13787.0	6808.3	-138634.1
30.	-18015.4	-7215.1	728.3	13639.1	-2911.5	-210223.3
	-18178.5	-7372.2	807.8	13787.0	-1269.3	-212356.4
40.	-18015.4	-7215.1	728.3	13639.1	-10194.8	-282373.9
	-18178.5	-7372.2	807.8	13787.0	-9347.0	-286078.8
50.	-18015.4	-7215.1	728.3	13639.1	-17478.0	-354524.6
	-18178.5	-7372.2	807.8	13787.0	-17424.6	-359801.1
60.	-18015.4	-7215.1	728.3	13639.1	-24761.2	-426675.2
	-18178.5	-7372.2	807.8	13787.0	-25502.3	-433523.5
70.	-18015.4	-7215.1	728.3	13639.1	-32044.5	-498825.9
	-18178.5	-7372.2	807.8	13787.0	-33579.9	-507245.9
80.	-18015.4	-7215.1	728.3	13639.1	-39327.7	-570976.5
	-18178.5	-7372.2	807.8	13787.0	-41657.6	-580968.2

Asta	258	nod	147	105		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-42584.1	-4654.5	-602.4	-10324.7	31915.7	51686.7
	-42649.6	-4745.9	-587.4	-10466.3	32664.0	53906.6
10.	-42584.1	-4654.5	-602.4	-10324.7	37939.4	5141.9
	-42649.6	-4745.9	-587.4	-10466.3	38537.7	6447.4
20.	-42584.1	-4654.5	-602.4	-10324.7	43963.0	-41403.0
	-42649.6	-4745.9	-587.4	-10466.3	44411.3	-41011.9
30.	-42584.1	-4654.5	-602.4	-10324.7	49986.7	-87947.8
	-42649.6	-4745.9	-587.4	-10466.3	50285.0	-88471.1
40.	-42584.1	-4654.5	-602.4	-10324.7	56010.3	-134492.6
	-42649.6	-4745.9	-587.4	-10466.3	56158.7	-135930.3
50.	-42584.1	-4654.5	-602.4	-10324.7	62034.0	-181037.5
	-42649.6	-4745.9	-587.4	-10466.3	62032.4	-183389.6
60.	-42584.1	-4654.5	-602.4	-10324.7	68057.6	-227582.3
	-42649.6	-4745.9	-587.4	-10466.3	67906.0	-230848.8
70.	-42584.1	-4654.5	-602.4	-10324.7	74081.3	-274127.1
	-42649.6	-4745.9	-587.4	-10466.3	73779.7	-278308.1
80.	-42584.1	-4654.5	-602.4	-10324.7	80104.9	-320672.0
	-42649.6	-4745.9	-587.4	-10466.3	79653.4	-325767.3

Asta	259	nod	153	154		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	-33550.9	132.8	-36657.4	77101.6	4759795.6
	0.0	-33053.5	144.8	-47509.9	80226.0	4317477.1
106.	0.0	-25796.3	129.5	-30228.9	63171.3	1616796.0
	0.0	-25010.1	141.5	-40635.1	65025.2	1244514.5
212.	0.0	-17645.2	121.5	-23849.1	49864.8	-685328.7
	0.0	-16739.0	133.7	-33849.0	50434.7	-967173.6
317.	0.0	-9040.5	111.3	-17517.8	37542.7	-2101340.6
	0.0	-8064.5	124.0	-27151.9	36792.6	-2283563.0
423.	0.0	46.0	100.8	-11235.2	26327.2	-2581492.6
	0.0	1117.3	114.3	-20543.5	24195.2	-2655843.4
529.	0.0	9612.4	91.7	-5001.1	16155.5	-2074646.2
	0.0	10838.6	106.0	-14024.0	12556.9	-2028002.2
635.	0.0	19627.9	84.9	1184.4	6832.7	-531388.1
	0.0	21059.9	100.1	-7593.4	1671.3	-344407.3
741.	0.0	30031.9	80.9	7321.3	-1914.5	2092853.0
	0.0	31670.3	96.9	-1251.6	-8729.1	2442608.9
847.	0.0	40734.5	79.6	13409.6	-10384.5	5834688.9
	0.0	42486.8	95.9	5001.4	-18911.9	6365166.5

Asta	260	nod	154	155		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	-36503.2	-61.4	-48992.7	-29107.8	4467154.0
	0.0	-34759.4	3.3	-53818.4	-9580.0	3912886.4
87.	0.0	-27525.5	-60.7	-44033.1	-23767.8	1671172.3
	0.0	-25819.6	3.7	-48746.2	-9879.1	1268257.5
175.	0.0	-18469.4	-59.2	-39161.9	-18529.4	-337209.6
	0.0	-16863.2	5.1	-43775.6	-10258.7	-595358.9
262.	0.0	-9375.4	-57.2	-34379.1	-13446.5	-1552952.8
	0.0	-7864.2	7.0	-38906.6	-10781.0	-1675222.3
349.	0.0	-278.1	-55.4	-29684.6	-8530.9	-1974297.5

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437.	0.0	1182.2	9.2	-34139.4	-11486.7	-1967246.1
	0.0	8793.1	-53.9	-25078.6	-3764.4	-1602283.3
	0.0	10259.8	11.5	-29473.7	-12393.2	-1467845.9
524.	0.0	17814.3	-52.8	-20560.9	890.0	-440269.1
	0.0	19331.0	13.6	-24909.8	-13492.5	-175788.0
611.	0.0	26767.3	-52.3	-16131.6	5477.1	1506546.2
	0.0	28337.2	15.1	-20447.5	-14749.1	1905962.5
699.	0.0	35639.2	-52.2	-11790.7	10037.1	4231604.2
	0.0	37198.4	15.7	-16086.8	-16098.5	4768393.7

Asta	261	nod	155	156		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-65468E-09	-57203E+05	-46985E+02	-14083E+05	-23914E+050	11559E+08
	-34415E-09	-55459E+05	-20812E+02	-21143E+05	-90226E+040	11017E+08
156.	0.0	-41664.8	-48.1	-6344.1	-16556.4	3871790.5
	0.0	-40234.9	-23.4	-13415.2	-5656.7	3580805.3
311.	0.0	-26712.8	-53.8	1554.9	-8710.6	-1439649.7
	0.0	-25760.3	-32.7	-5594.1	-1392.4	-1544890.9
467.	0.0	-12553.2	-66.5	9614.3	557.9	-4483866.9
	0.0	-12008.2	-49.7	2319.9	4920.8	-4474563.8
623.	0.0	714.5	-86.5	17834.0	12377.7	-5393297.0
	0.0	1050.0	-73.8	10326.8	14458.3	-5318446.8
778.	0.0	13097.4	-111.7	26214.1	27750.4	-4307572.6
	0.0	13445.2	-102.5	18426.6	28145.7	-4182142.1
934.	0.0	24709.1	-138.4	34754.6	47228.6	-1356932.7
	0.0	25209.5	-131.5	26619.2	46384.9	-1166361.0
1089.	0.0	35769.9	-160.5	43455.5	70594.8	3354369.0
	0.0	36376.8	-154.8	34904.7	68778.4	3633335.5
1245.	0.0	46606.8	-170.0	52316.8	96539.4	9764654.6
	-34415E-090	-46983E+05	-16453E+030	43283E+050	93856E+050	10127E+08

Asta	262	nod	157	156		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-11804.6	-24872.5	2466.3	-660917.3	457569.3	3403396.1
	-11619.8	-24449.9	2499.9	-669241.1	465902.2	3374995.3
82.	-11804.6	-19203.5	2048.4	-653434.6	272084.6	1589871.9
	-11619.8	-18885.8	2077.8	-660262.8	277826.2	1591977.2
165.	-11804.6	-13681.9	1685.3	-647003.7	118843.6	237924.2
	-11619.8	-13476.2	1710.6	-652340.2	122337.2	261634.0
247.	-11804.6	-8427.4	1388.5	-641624.6	-7178.7	-669886.8
	-11619.8	-8344.5	1410.4	-645473.3	-5625.0	-634218.0
329.	-11804.6	-3504.8	1163.5	-637297.3	-111710.5	-1158594.8
	-11619.8	-3557.8	1182.7	-639662.1	-111842.1	-1121600.6
412.	-11804.6	1076.7	1009.5	-634021.8	-200672.2	-1256274.7
	-11619.8	873.2	1026.8	-634906.7	-202297.7	-1229735.1
494.	-11804.6	5363.1	919.6	-631798.2	-279664.8	-989489.1
	-11619.8	4994.3	935.7	-631206.9	-282658.1	-986403.6
576.	-11804.6	9455.8	880.5	-630626.3	-353458.4	-378736.4
	-11619.8	8907.3	896.1	-628562.8	-357751.7	-413311.0
659.	-11804.6	13511.4	872.8	-630506.2	-425480.8	566102.9
	-11619.8	12770.8	888.3	-626974.5	-431050.6	478554.3

Asta	263	nod	158	157		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	10818.8	-21471.6	-1436.5	567815.7	-535322.6	2881534.4
	10649.5	-20534.2	-1445.3	559632.6	-539451.8	2742310.7
90.	10818.8	-16633.1	-1450.9	568091.6	-405931.7	1167802.1
	10649.5	-15922.5	-1459.8	561565.7	-409262.5	1102538.3
180.	10818.8	-11471.3	-1519.9	569495.9	-273058.3	-96513.8
	10649.5	-10976.9	-1529.4	564623.9	-275565.8	-107773.0
269.	10818.8	-6031.5	-1671.6	572028.4	-130428.7	-884415.4
	10649.5	-5735.8	-1682.3	568807.5	-132040.3	-860343.3
359.	10818.8	-357.8	-1920.1	575689.3	30120.5	-1172923.4
	10649.5	-239.6	-1932.6	574116.2	29542.0	-1130431.0
449.	10818.8	5506.4	-2265.1	580478.5	217372.0	-942986.6
	10649.5	5469.5	-2280.4	580550.2	218037.4	-897006.2
539.	10818.8	11519.1	-2692.2	586396.0	439457.5	-179390.7
	10649.5	11347.2	-2711.1	588109.5	441650.9	-142924.8
629.	10818.8	17638.9	-3173.1	593441.8	702587.0	1129333.0
	10649.5	17347.3	-3196.2	596793.9	706657.4	1144897.8
719.	10818.8	23825.7	-3665.1	601616.0	1009778.0	2990998.6
	10649.5	23421.8	-3692.8	606603.6	1016123.0	2975312.5

Asta	264	nod	159	153		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-7836.1	-21955.0	-1825.5	489402.7	-323481.7	2959166.6
	-8061.1	-22369.8	-1826.7	487880.1	-321242.7	2979823.9
82.	-7836.1	-17008.7	-1505.9	482275.0	-186640.1	1355449.3
	-8061.1	-17321.1	-1505.3	482127.3	-184378.7	1346124.1
165.	-7836.1	-12105.3	-1230.1	475915.7	-74368.2	157895.9
	-8061.1	-12304.3	-1228.3	477149.4	-72209.5	127427.9
247.	-7836.1	-7338.4	-1006.1	470324.6	17294.4	-641165.7
	-8061.1	-7408.3	-1003.4	472946.4	19266.8	-682825.8
329.	-7836.1	-2759.5	-837.0	465501.8	92767.4	-1055378.6
	-8061.1	-2681.1	-833.9	469518.3	94501.6	-1096831.6
412.	-7836.1	1621.9	-721.7	461447.2	156559.4	-1100901.0
	-8061.1	1869.4	-718.3	466865.1	158027.0	-1129086.6
494.	-7836.1	5838.1	-654.6	458160.9	212898.7	-792948.7
	-8061.1	6276.1	-651.1	464986.8	214086.8	-793059.4
576.	-7836.1	9963.6	-625.5	455642.9	265363.7	-142338.3
	-8061.1	10612.1	-622.0	463883.5	266268.5	-97858.6
659.	-7836.1	14114.8	-619.8	453893.2	316512.9	847969.4
	-8061.1	14991.1	-616.3	463555.0	317134.6	955098.4

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Asta PROGR.	265 NORM	nod TY	160 TZZ	159 TORS	MY	MZ
0.	7181.8	-18539.2	1129.7	-404497.9	414477.5	2499065.9
	7388.0	-19506.4	1143.0	-420459.7	418475.0	2646709.0
90.	7181.8	-14406.1	1141.3	-406555.1	312713.2	1017475.5
	7388.0	-15143.1	1154.8	-420880.2	315509.2	1088633.5
180.	7181.8	-10010.2	1196.3	-409430.7	208161.7	-80772.0
	7388.0	-10527.9	1210.3	-422138.0	209728.6	-65842.4
269.	7181.8	-5393.3	1316.1	-413124.9	95880.8	-774000.3
	7388.0	-5710.7	1331.3	-424233.0	96144.3	-796410.0
359.	7181.8	-590.9	1511.4	-417637.7	-30514.5	-1044001.2
	7388.0	-731.3	1528.3	-427165.2	-31686.9	-1086786.0
449.	7181.8	4368.4	1781.5	-422969.0	-177853.1	-875449.3
	7388.0	4380.5	1800.8	-430934.7	-180651.9	-923817.7
539.	7181.8	9462.0	2114.6	-429118.8	-352408.9	-255316.0
	7388.0	9604.7	2136.8	-435541.3	-357072.2	-296588.0
629.	7181.8	14674.4	2487.9	-436087.2	-558901.9	827716.3
	7388.0	14931.3	2513.1	-440985.2	-565693.3	804479.2
719.	7181.8	19996.1	2867.5	-443874.1	-799499.0	2383839.4
	7388.0	20360.5	2895.3	-447266.3	-808675.1	2388514.0

Asta PROGR.	266 NORM	nod TY	160 TZZ	161 TORS	MY	MZ
0.	0.0	-22744.1	-168.3	126457.6	-73753.2	3873927.0
	0.0	-22267.7	-171.5	129350.6	-75076.8	3539589.7
120.	0.0	-17301.2	-159.9	130547.7	-53972.7	1476286.5
	0.0	-16644.6	-163.0	133447.0	-54919.6	1212014.4
239.	0.0	-11677.7	-141.0	135138.7	-35915.4	-258211.5
	0.0	-11000.9	-144.0	138054.7	-36495.6	-441789.7
359.	0.0	-5985.3	-119.3	140230.8	-20353.2	-1314895.0
	0.0	-5332.6	-122.4	143173.6	-20567.7	-1418941.7
479.	0.0	-310.2	-100.3	145823.7	-7268.2	-1690920.5
	0.0	346.0	-103.7	148803.7	-7096.2	-1717180.5
598.	0.0	5286.6	-87.2	151917.7	3875.0	-1392259.3
	0.0	6002.7	-91.0	154945.0	4479.4	-1337017.1
718.	0.0	10769.2	-80.8	158512.6	13857.1	-430683.2
	0.0	11587.4	-85.3	161597.4	14959.3	-283887.0
837.	0.0	16126.8	-79.9	165608.5	23432.0	1179249.3
	0.0	17031.9	-84.9	168761.1	25101.6	1429698.0
957.	0.0	21373.9	-80.8	173205.3	33054.0	3423207.3
	0.0	22250.1	-86.1	176436.0	35340.7	3781997.0

Asta PROGR.	267 NORM	nod TY	162 TZZ	158 TORS	MY	MZ
0.	0.0	-23727.0	85.0	-160070.7	36462.9	4147133.4
	0.0	-22845.4	80.1	-157524.9	34277.0	3786962.1
123.	0.0	-18257.4	84.0	-151819.0	26041.9	1556368.3
	0.0	-17358.3	79.3	-149324.7	24453.0	1307888.1
247.	0.0	-12495.2	85.3	-144040.1	15666.4	-341323.1
	0.0	-11699.1	81.3	-141588.8	14607.4	-484737.8
370.	0.0	-6521.7	93.4	-136734.2	4742.3	-1515048.5
	0.0	-5840.4	90.4	-134317.1	4108.9	-1567698.5
493.	0.0	-402.2	110.0	-129901.2	-7704.5	-1942954.2
	0.0	214.8	107.9	-127509.6	-8027.3	-1916271.5
616.	0.0	5814.0	134.0	-123541.1	-22678.3	-1610249.5
	0.0	6432.6	132.7	-121166.3	-22796.4	-1508019.9
740.	0.0	12093.6	161.2	-117653.9	-40864.3	-507230.8
	0.0	12748.1	160.5	-115287.2	-40861.0	-326582.6
863.	0.0	18419.4	185.0	-112239.6	-62279.0	1372693.8
	0.0	19066.1	184.6	-109872.3	-62208.3	1634534.9
986.	0.0	24790.2	195.5	-107298.3	-85920.5	4034980.7
	0.0	25260.3	195.2	-104921.6	-85806.7	4368169.9

Asta PROGR.	268 NORM	nod TY	114 TZZ	153 TORS	MY	MZ
0.	0.0	-30470.2	1924.3	909882.6	22520.7	-1226384.6
	0.0	-30386.2	1914.3	1077576.5	22550.2	-1358173.0
9.	0.0	-29999.8	1924.3	909508.6	5512.4	-1493624.0
	0.0	-29899.3	1914.3	1077276.4	5630.3	-1624597.8
18.	0.0	-29532.8	1924.2	909152.2	-11495.7	-1756720.8
	0.0	-29414.7	1914.2	1076997.0	-11289.4	-1886729.2
27.	0.0	-29069.3	1924.2	908813.2	-28503.8	-2015705.6
	0.0	-28932.5	1914.2	1076738.4	-28209.0	-2144588.4
35.	0.0	-28609.2	1924.3	908491.8	-45511.9	-2270608.7
	0.0	-28452.5	1914.3	1076500.5	-45128.7	-2398195.6
44.	0.0	-28151.9	1924.3	908187.9	-62520.2	-2521457.7
	0.0	-27974.3	1914.3	1076283.4	-62048.6	-2647568.3
53.	0.0	-27697.1	1924.3	907901.5	-79528.9	-2768276.4
	0.0	-27497.3	1914.3	1076087.0	-78968.9	-2892720.0
62.	0.0	-27243.9	1924.4	907632.7	-96538.0	-3011082.8
	0.0	-27020.8	1914.4	1075911.4	-95889.6	-3133658.1
71.	0.0	-26791.5	1924.4	907381.3	-113547.4	-3249887.6
	0.0	-26543.7	1914.4	1075756.6	-112810.6	-3370382.4

Asta PROGR.	269 NORM	nod TY	116 TZZ	154 TORS	MY	MZ
0.	-664.2	-26501.2	370.3	-730958.8	8373.9	12628.3
	-665.2	-26502.8	41.5	-381851.8	5801.2	13122.7
6.	-664.2	-26048.1	370.2	-730966.3	6059.6	-151588.5
	-665.2	-26048.7	41.5	-381810.2	5541.9	-151101.2
13.	-664.2	-25594.5	370.2	-730980.8	3745.9	-312971.7
	-665.2	-25594.2	41.4	-381772.2	5282.7	-312485.7
19.	-664.2	-25140.6	370.1	-731002.4	1432.7	-471519.2
	-665.2	-25139.4	41.4	-381737.9	5023.8	-471028.4

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25.	-664.2	-24686.5	370.0	-731031.0	-880.2	-627229.3
	-665.2	-24684.3	41.4	-381707.3	4765.1	-626727.4
31.	-664.2	-24232.2	370.0	-731066.7	-3192.8	-780100.5
	-665.2	-24228.9	41.4	-381680.4	4506.5	-779581.3
38.	-664.2	-23777.5	370.0	-731109.5	-5505.2	-930131.1
	-665.2	-23773.2	41.4	-381657.2	4248.0	-929588.1
44.	-664.2	-23322.4	370.0	-731159.2	-7817.5	-1077318.7
	-665.2	-23317.0	41.3	-381637.6	3989.5	-1076745.2
50.	-664.2	-22866.6	370.0	-731216.1	-10129.7	-1221659.6
	-665.2	-22860.1	41.3	-381621.7	3731.1	-1221048.9
Asta	270	nodì	142	155		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-756.6	-35372.1	314.7	1716295.6	-330.6	35207.2
	-754.8	-35310.3	-191.0	2043623.0	-4641.5	34974.4
6.	-756.6	-34921.3	314.6	1716214.9	-2297.2	-184459.6
	-754.8	-34863.2	-191.0	2043594.3	-3447.8	-184318.1
13.	-756.6	-34470.4	314.6	1716150.7	-4263.7	-401308.6
	-754.8	-34416.0	-190.9	2043585.4	-2254.4	-400815.8
19.	-756.6	-34019.6	314.6	1716103.0	-6230.0	-615339.9
	-754.8	-33968.9	-190.9	2043596.2	-1061.4	-614518.7
25.	-756.6	-33569.0	314.6	1716071.9	-8196.3	-826554.1
	-754.8	-33522.0	-190.8	2043626.7	131.4	-825427.6
31.	-756.6	-33118.5	314.6	1716057.4	-10162.5	-1034952.3
	-754.8	-33075.1	-190.8	2043676.8	1324.0	-1033543.5
38.	-756.6	-32668.0	314.6	1716059.4	-12128.6	-1240535.2
	-754.8	-32628.4	-190.8	2043746.7	2516.4	-1238867.0
44.	-756.6	-32217.4	314.6	1716077.9	-14094.8	-1443302.5
	-754.8	-32181.4	-190.8	2043836.3	3708.7	-1441397.9
50.	-756.6	-31766.4	314.6	1716113.0	-16060.9	-1643252.3
	-754.8	-31734.1	-190.8	2043945.6	4901.0	-1641134.1
Asta	271	nodì	118	156		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	-33319.8	-2540.4	-2377317.8	-22161.7	-2896098.4
	0.0	-33409.7	-2551.4	-2230343.3	-19531.2	-2775807.4
9.	0.0	-32860.5	-2540.4	-2376874.1	292.2	-3188573.2
	0.0	-32962.7	-2551.3	-2229817.2	3019.7	-3069130.3
18.	0.0	-32405.8	-2540.3	-2376476.3	22745.9	-3477008.7
	0.0	-32521.5	-2551.3	-2229334.1	25570.6	-3358528.2
27.	0.0	-31955.5	-2540.3	-2376124.3	45199.6	-3761445.2
	0.0	-32085.8	-2551.3	-2228893.9	48121.3	-3644051.0
35.	0.0	-31509.1	-2540.4	-2375818.1	67653.4	-4041919.4
	0.0	-31655.2	-2551.4	-2228496.7	70672.2	-3925745.6
44.	0.0	-31065.9	-2540.4	-2375557.7	90107.4	-4318462.6
	0.0	-31228.9	-2551.4	-2228142.5	93223.4	-4203653.6
53.	0.0	-30625.0	-2540.5	-2375343.2	112562.0	-4591099.1
	0.0	-30806.1	-2551.5	-2227831.2	115775.1	-4477809.7
62.	0.0	-30185.2	-2540.5	-2375174.4	135017.2	-4859844.0
	0.0	-30385.6	-2551.5	-2227562.9	138327.4	-4748239.9
71.	0.0	-29745.2	-2540.6	-2375051.4	157472.8	-5124701.8
	0.0	-29966.2	-2551.6	-2227337.6	160880.2	-5014959.4
Asta	272	nodì	119	157		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1248.7	-22608.1	3904.3	1669212.2	-108962.5	123420.3
	-1191.3	-22699.2	3816.8	1653257.8	-109645.5	130157.4
6.	-1248.7	-22138.6	3906.3	1669109.4	-133370.3	-16410.5
	-1191.3	-22231.1	3818.7	1653154.1	-133506.5	-10246.8
13.	-1248.7	-21674.1	3908.5	1669022.7	-157791.4	-153322.5
	-1191.3	-21768.9	3821.0	1653066.3	-157380.5	-147743.7
19.	-1248.7	-21214.7	3911.1	1668952.1	-182227.5	-287347.2
	-1191.3	-21312.5	3823.5	1652994.4	-181269.1	-282369.9
25.	-1248.7	-20760.4	3913.9	1668897.6	-206680.4	-418516.5
	-1191.3	-20862.2	3826.2	1652938.5	-205174.3	-414162.9
31.	-1248.7	-20311.3	3917.1	1668859.2	-231152.1	-546862.7
	-1191.3	-20417.9	3829.3	1652898.5	-229097.8	-543160.1
38.	-1248.7	-19867.2	3920.5	1668836.9	-255644.3	-672417.9
	-1191.3	-19979.5	3832.7	1652874.5	-253041.4	-669398.9
44.	-1248.7	-19428.2	3924.2	1668830.7	-280158.7	-795213.3
	-1191.3	-19547.0	3836.3	1652866.3	-277006.9	-792916.2
50.	-1248.7	-18993.9	3928.1	1668840.5	-304696.9	-915279.7
	-1191.3	-19120.1	3840.2	1652874.2	-300995.8	-913747.8
Asta	273	nodì	158	131		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	23615.2	6274.9	611510.0	212887.4	-3368808.7
	0.0	23803.5	6279.8	425120.2	215475.3	-3240288.5
9.	0.0	24075.3	6274.9	611257.2	157424.4	-3158046.3
	0.0	24241.6	6279.7	424980.4	159969.6	-3027960.2
18.	0.0	24538.8	6274.8	611016.2	101962.1	-2943202.8
	0.0	24684.4	6279.6	424848.8	104464.7	-2811739.3
27.	0.0	25006.7	6274.7	610787.0	46500.6	-2724244.1
	0.0	25132.7	6279.5	424725.3	48960.6	-2591581.2
35.	0.0	25479.5	6274.7	610569.6	-8960.3	-2501128.5
	0.0	25587.2	6279.5	424610.1	-6543.0	-2367433.9
44.	0.0	25958.1	6274.7	610363.9	-64421.3	-2273808.5
	0.0	26048.5	6279.5	424503.0	-62046.6	-2139239.6
53.	0.0	26442.7	6274.8	610170.0	-119882.9	-2042232.2
	0.0	26516.9	6279.6	424404.1	-117550.8	-1906936.7
62.	0.0	26933.6	6274.9	609987.9	-175345.4	-1806344.6
	0.0	26992.8	6279.7	424313.5	-173055.8	-1670460.5
71.	0.0	27431.0	6275.0	609817.6	-230808.6	-1566089.4
	0.0	27476.1	6279.8	424230.9	-228561.6	-1429745.4

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Asta	274	nod	162	133		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1926.4	22228.8	236.0	669365.8	-3053.5	-3856111.3
	-2095.6	22202.6	334.1	496143.0	1951.8	-4001935.7
9.	-1926.4	22611.6	236.0	669669.5	-5139.3	-3657947.7
	-2095.6	22593.8	334.1	496535.5	-1001.2	-3803965.9
18.	-1926.4	23001.4	235.9	669986.0	-7224.8	-3456370.7
	-2095.6	22991.2	334.1	496937.7	-3954.1	-3602511.8
27.	-1926.4	23399.4	235.9	670315.5	-9310.0	-3251312.7
	-2095.6	23395.7	334.0	497349.4	-6906.7	-3397514.3
35.	-1926.4	23806.3	235.8	670657.9	-11394.5	-3042698.1
	-2095.6	23808.3	334.0	497770.7	-9858.8	-3188906.3
44.	-1926.4	24222.9	235.7	671013.3	-13478.4	-2830444.2
	-2095.6	24229.7	333.9	498201.7	-12810.4	-2976613.2
53.	-1926.4	24649.7	235.6	671381.6	-15561.3	-2614463.2
	-2095.6	24660.3	333.8	498642.2	-15761.4	-2760554.9
62.	-1926.4	25087.1	235.5	671762.8	-17643.1	-2394663.1
	-2095.6	25100.7	333.7	499092.3	-18711.5	-2540647.3
71.	-1926.4	25535.3	235.3	672156.9	-19723.5	-2170949.4
	-2095.6	25551.1	333.6	499552.1	-21660.8	-2316803.0
Asta	275	nod	161	134		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1903.1	21635.9	-278.3	-470762.9	-2467.2	-3761724.9
	-1738.2	21651.5	-182.2	-642690.0	2385.4	-3612280.3
9.	-1903.1	22022.8	-278.3	-471150.9	-7.5	-3568782.9
	-1738.2	22029.3	-182.2	-642990.9	3995.7	-3419241.0
18.	-1903.1	22415.5	-278.3	-471548.0	2452.1	-3372396.1
	-1738.2	22413.8	-182.1	-643304.1	5605.8	-3222833.6
27.	-1903.1	22814.9	-278.2	-471954.3	4911.3	-3172509.1
	-1738.2	22806.1	-182.1	-643629.8	7215.5	-3022994.0
35.	-1903.1	23221.9	-278.1	-472369.6	7370.1	-2969058.8
	-1738.2	23206.8	-182.0	-643967.8	8824.5	-2819650.5
44.	-1903.1	23637.1	-278.1	-472794.1	9828.2	-2761975.3
	-1738.2	23616.7	-181.9	-644318.3	10432.8	-2612725.1
53.	-1903.1	24061.1	-278.0	-473227.7	12285.7	-2551183.4
	-1738.2	24036.2	-181.8	-644681.3	12040.2	-2402134.6
62.	-1903.1	24494.2	-277.9	-473670.4	14742.3	-2336604.1
	-1738.2	24465.6	-181.6	-645056.6	13646.3	-2187792.3
71.	-1903.1	24936.6	-277.7	-474122.2	17197.8	-2118155.7
	-1738.2	24905.3	-181.5	-645444.3	15251.0	-1969609.3
Asta	276	nod	160	136		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	21980.6	-5759.3	-923422.8	-161914.9	-2676305.7
	0.0	21826.4	-5845.1	-1112099.9	-162614.4	-2805500.7
9.	0.0	22374.7	-5759.3	-923345.7	-111009.1	-2480284.1
	0.0	22242.8	-5845.1	-1111910.1	-110950.7	-2610742.4
18.	0.0	22773.1	-5759.2	-923286.5	-60103.9	-2280760.9
	0.0	22662.2	-5845.0	-1111741.7	-59287.5	-2412290.9
27.	0.0	23176.4	-5759.2	-923245.1	-9199.4	-2077694.8
	0.0	23085.5	-5844.9	-1111594.8	-7625.0	-2210115.7
35.	0.0	23585.5	-5759.2	-923221.5	41704.9	-1871038.8
	0.0	23513.3	-5844.9	-1111469.2	44037.3	-2004179.7
44.	0.0	24000.5	-5759.2	-923215.6	92609.4	-1660741.1
	0.0	23946.0	-5845.0	-1111365.1	95699.7	-1794441.1
53.	0.0	24422.0	-5759.3	-923227.6	143514.5	-1446746.4
	0.0	24384.0	-5845.1	-1111282.5	147362.9	-1580854.4
62.	0.0	24850.0	-5759.4	-923257.4	194420.6	-1228997.7
	0.0	24827.5	-5845.2	-1111221.2	199027.0	-1363371.9
71.	0.0	25284.5	-5759.5	-923305.0	245327.4	-1007437.5
	0.0	25276.5	-5845.2	-1111181.4	250691.8	-1141945.4
Asta	277	nod	159	147		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2360.2	13617.3	-2067.3	-974139.7	-261542.2	-651227.3
	-2431.4	13758.6	-2119.8	-990229.9	-267451.5	-663914.9
6.	-2360.2	13993.5	-2064.7	-974075.9	-248629.7	-564946.0
	-2431.4	14141.9	-2117.1	-990162.6	-254211.5	-576727.7
13.	-2360.2	14374.1	-2062.3	-974021.5	-235732.8	-476299.6
	-2431.4	14528.9	-2114.6	-990104.8	-240987.5	-487133.4
19.	-2360.2	14759.4	-2060.2	-973976.5	-222850.2	-385259.9
	-2431.4	14919.7	-2112.4	-990056.6	-227778.2	-395108.4
25.	-2360.2	15149.2	-2058.2	-973940.8	-209980.5	-291797.9
	-2431.4	15314.4	-2110.4	-990017.9	-214582.2	-300628.9
31.	-2360.2	15543.8	-2056.5	-973914.6	-197122.1	-195884.5
	-2431.4	15713.0	-2108.6	-989988.8	-201398.0	-203670.4
38.	-2360.2	15943.1	-2055.0	-973897.7	-184273.8	-97490.1
	-2431.4	16115.5	-2107.1	-989969.2	-188224.1	-104208.3
44.	-2360.2	16347.1	-2053.8	-973890.3	-171433.9	3414.4
	-2431.4	16521.9	-2105.8	-989959.2	-175058.9	-2218.2
50.	-2360.2	16755.6	-2052.8	-973892.2	-158601.0	106858.0
	-2431.4	16932.2	-2104.8	-989958.7	-161901.0	102323.9
Asta	278	nod	161	128		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	4489.4	-491.8	-530576.4	-48584.8	2655866.2
	0.0	4197.0	-485.5	-637814.8	-45749.1	2698336.8
51.	0.0	2135.5	-492.3	-530942.7	-23398.3	2826632.6
	0.0	1895.1	-486.0	-637461.4	-20886.9	2855502.8
102.	0.0	-562.6	-494.2	-531652.8	1846.7	2868634.6
	0.0	-760.2	-488.0	-637519.2	4038.3	2886334.4
154.	0.0	-3725.8	-497.7	-532706.6	27230.1	2761079.2

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205.	0.0	-3890.8	-491.7	-637988.3	29109.4	2769541.0
	0.0	-7456.6	-502.8	-534104.3	52836.4	2477452.6
	0.0	-7599.8	-497.0	-638868.5	54412.1	2478070.3
256.	0.0	-11839.2	-509.0	-535845.7	78733.9	1986461.3
	0.0	-11971.7	-503.3	-640159.9	80014.7	1980066.7
307.	0.0	-16939.4	-515.3	-537930.9	104954.1	1252972.1
	0.0	-17072.3	-509.7	-641862.6	105947.5	1239829.2
358.	0.0	-22804.7	-520.3	-540359.9	131471.1	238952.8
	0.0	-22948.6	-514.9	-643976.5	132182.7	218769.9
410.	0.0	-29464.2	-522.5	-543132.7	158180.9	-1095588.1
	0.0	-29628.9	-517.0	-646501.5	158613.6	-1123628.0
Asta	279	nodì	162	129		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	-3971.9	-487.8	559304.1	-46223.8	-2926393.4
	0.0	-4264.9	-494.2	452173.3	-49306.1	-2879824.0
51.	0.0	-1636.2	-488.3	558831.1	-21241.7	-3071231.1
	0.0	-1880.7	-494.7	452423.3	-23998.4	-3038383.6
102.	0.0	1071.5	-490.3	558718.2	3803.2	-3087568.0
	0.0	866.8	-496.5	452966.1	1367.0	-3066176.9
154.	0.0	4281.7	-494.0	558965.6	28993.6	-2952933.8
	0.0	4107.1	-500.0	453801.8	26869.4	-2941206.3
205.	0.0	8105.0	-499.3	559573.1	54415.4	-2638686.1
	0.0	7950.0	-505.1	454930.2	52593.2	-2635351.0
256.	0.0	12632.1	-505.6	560540.8	80137.0	-2111032.2
	0.0	12485.6	-511.2	456351.5	78606.8	-2115369.5
307.	0.0	17933.5	-512.0	561868.7	106189.2	-1332050.3
	0.0	17784.7	-517.5	458065.6	104942.1	-1343901.5
358.	0.0	24060.1	-517.2	563556.7	132544.1	-260710.9
	0.0	23898.3	-522.6	460072.5	131573.6	-280470.3
410.	0.0	31042.6	-519.4	565604.9	159095.2	1146102.4
	0.0	30858.0	-524.7	462372.2	158397.6	1117515.1
Asta	280	nodì	163	164		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	1.0	10.5	0.1	-41.5	50.1	-4449.3
	0.7	56.3	0.1	-60.4	42.9	-23769.5
106.	1.0	10.5	0.1	-41.5	40.0	-3338.5
	0.7	56.3	0.1	-60.4	34.2	-17814.0
212.	1.0	10.5	0.1	-41.5	29.9	-2227.6
	0.7	56.3	0.1	-60.4	25.6	-11858.4
317.	1.0	10.5	0.1	-41.5	19.8	-1116.8
	0.7	56.3	0.1	-60.4	17.0	-5902.9
423.	1.0	10.5	0.1	-41.5	9.7	-5.9
	0.7	56.3	0.1	-60.4	8.3	52.7
529.	1.0	10.5	0.1	-41.5	-0.4	1104.9
	0.7	56.3	0.1	-60.4	-0.3	6008.2
635.	1.0	10.5	0.1	-41.5	-10.5	2215.8
	0.7	56.3	0.1	-60.4	-8.9	11963.8
741.	1.0	10.5	0.1	-41.5	-20.6	3326.6
	0.7	56.3	0.1	-60.4	-17.6	17919.3
847.	1.0	10.5	0.1	-41.5	-30.6	4437.5
	0.7	56.3	0.1	-60.4	-26.2	23874.9
Asta	281	nodì	164	165		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	1.5	-44.7	0.1	31.5	14.3	15426.1
	0.8	27.1	0.1	8.8	16.0	-9653.6
87.	1.5	-44.7	0.1	31.5	9.5	11520.4
	0.8	27.1	0.1	8.8	10.5	-7289.5
175.	1.5	-44.7	0.1	31.5	4.8	7614.7
	0.8	27.1	0.1	8.8	5.0	-4925.5
262.	1.5	-44.7	0.1	31.5	0.0	3709.0
	0.8	27.1	0.1	8.8	-0.4	-2561.5
349.	1.5	-44.7	0.1	31.5	-4.7	-196.6
	0.8	27.1	0.1	8.8	-5.9	-197.5
437.	1.5	-44.7	0.1	31.5	-9.5	-4102.3
	0.8	27.1	0.1	8.8	-11.4	2166.6
524.	1.5	-44.7	0.1	31.5	-14.2	-8008.0
	0.8	27.1	0.1	8.8	-16.8	4530.6
611.	1.5	-44.7	0.1	31.5	-19.0	-11913.7
	0.8	27.1	0.1	8.8	-22.3	6894.6
699.	1.5	-44.7	0.1	31.5	-23.7	-15819.4
	0.8	27.1	0.1	8.8	-27.8	9258.6
Asta	282	nodì	165	166		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	1.8	-25.6	0.0	19.9	-3.6	16076.0
	1.5	-3.2	0.0	-0.5	2.0	2077.0
156.	1.8	-25.6	0.0	19.9	-0.8	12086.6
	1.5	-3.2	0.0	-0.5	3.0	1577.2
311.	1.8	-25.6	0.0	19.9	2.0	8097.3
	1.5	-3.2	0.0	-0.5	4.0	1077.3
467.	1.8	-25.6	0.0	19.9	4.8	4107.9
	1.5	-3.2	0.0	-0.5	5.1	577.5
623.	1.8	-25.6	0.0	19.9	7.7	118.6
	1.5	-3.2	0.0	-0.5	6.1	77.6
778.	1.8	-25.6	0.0	19.9	10.5	-3870.8
	1.5	-3.2	0.0	-0.5	7.1	-422.2
934.	1.8	-25.6	0.0	19.9	13.3	-7860.2
	1.5	-3.2	0.0	-0.5	8.1	-922.1
1089.	1.8	-25.6	0.0	19.9	16.1	-11849.5
	1.5	-3.2	0.0	-0.5	9.2	-1421.9
1245.	1.8	-25.6	0.0	19.9	18.9	-15838.9

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	1.5	-3.2	0.0	-0.5	10.2	-1921.8
Asta	283	nod	167	166		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.2	-160.4	0.4	-1966.0	187.5	53275.2
	-2.1	-163.3	-1.2	-1935.1	-516.8	54220.3
82.	0.2	-160.4	0.4	-1966.0	155.5	40072.9
	-2.1	-163.3	-1.2	-1935.1	-418.4	40779.1
165.	0.2	-160.4	0.4	-1966.0	123.5	26870.6
	-2.1	-163.3	-1.2	-1935.1	-320.0	27337.8
247.	0.2	-160.4	0.4	-1966.0	91.5	13668.3
	-2.1	-163.3	-1.2	-1935.1	-221.6	13896.6
329.	0.2	-160.4	0.4	-1966.0	59.6	466.0
	-2.1	-163.3	-1.2	-1935.1	-123.2	455.3
412.	0.2	-160.4	0.4	-1966.0	27.6	-12736.3
	-2.1	-163.3	-1.2	-1935.1	-24.8	-12985.9
494.	0.2	-160.4	0.4	-1966.0	-4.4	-25938.7
	-2.1	-163.3	-1.2	-1935.1	73.6	-26427.2
576.	0.2	-160.4	0.4	-1966.0	-36.4	-39141.0
	-2.1	-163.3	-1.2	-1935.1	172.0	-39868.4
659.	0.2	-160.4	0.4	-1966.0	-68.4	-52343.3
	-2.1	-163.3	-1.2	-1935.1	270.4	-53309.7
Asta	284	nod	168	167		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.5	-25.7	0.7	1800.5	231.7	8767.9
	-1.1	-21.3	-0.7	1728.6	-94.3	7186.3
90.	-0.5	-25.7	0.7	1800.5	171.8	6461.5
	-1.1	-21.3	-0.7	1728.6	-32.5	5273.6
180.	-0.5	-25.7	0.7	1800.5	111.9	4155.0
	-1.1	-21.3	-0.7	1728.6	29.4	3360.9
269.	-0.5	-25.7	0.7	1800.5	51.9	1848.6
	-1.1	-21.3	-0.7	1728.6	91.2	1448.2
359.	-0.5	-25.7	0.7	1800.5	-8.0	-457.9
	-1.1	-21.3	-0.7	1728.6	153.1	-464.5
449.	-0.5	-25.7	0.7	1800.5	-67.9	-2764.3
	-1.1	-21.3	-0.7	1728.6	214.9	-2377.2
539.	-0.5	-25.7	0.7	1800.5	-127.9	-5070.8
	-1.1	-21.3	-0.7	1728.6	276.8	-4289.9
629.	-0.5	-25.7	0.7	1800.5	-187.8	-7377.2
	-1.1	-21.3	-0.7	1728.6	338.6	-6202.6
719.	-0.5	-25.7	0.7	1800.5	-247.8	-9683.7
	-1.1	-21.3	-0.7	1728.6	400.5	-8115.3
Asta	285	nod	169	163		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.8	-124.3	0.5	4828.5	195.8	41143.4
	-0.4	-120.3	0.5	4834.9	188.6	39820.7
82.	-0.8	-124.3	0.5	4828.5	154.4	30909.1
	-0.4	-120.3	0.5	4834.9	149.5	29919.8
165.	-0.8	-124.3	0.5	4828.5	113.0	20674.8
	-0.4	-120.3	0.5	4834.9	110.3	20018.9
247.	-0.8	-124.3	0.5	4828.5	71.6	10440.5
	-0.4	-120.3	0.5	4834.9	71.2	10118.0
329.	-0.8	-124.3	0.5	4828.5	30.2	206.1
	-0.4	-120.3	0.5	4834.9	32.0	217.2
412.	-0.8	-124.3	0.5	4828.5	-11.2	-10028.2
	-0.4	-120.3	0.5	4834.9	-7.1	-9683.7
494.	-0.8	-124.3	0.5	4828.5	-52.6	-20262.5
	-0.4	-120.3	0.5	4834.9	-46.2	-19584.6
576.	-0.8	-124.3	0.5	4828.5	-94.0	-30496.8
	-0.4	-120.3	0.5	4834.9	-85.4	-29485.5
659.	-0.8	-124.3	0.5	4828.5	-135.4	-40731.2
	-0.4	-120.3	0.5	4834.9	-124.5	-39386.3
Asta	286	nod	170	169		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.2	-25.8	0.2	-4450.3	-7.3	9118.8
	0.1	-31.2	0.1	-4500.0	-18.8	11069.2
90.	-0.2	-25.8	0.2	-4450.3	-21.2	6805.6
	0.1	-31.2	0.1	-4500.0	-30.6	8270.7
180.	-0.2	-25.8	0.2	-4450.3	-35.1	4492.5
	0.1	-31.2	0.1	-4500.0	-42.3	5472.2
269.	-0.2	-25.8	0.2	-4450.3	-49.0	2179.4
	0.1	-31.2	0.1	-4500.0	-54.0	2673.7
359.	-0.2	-25.8	0.2	-4450.3	-62.9	-133.7
	0.1	-31.2	0.1	-4500.0	-65.7	-124.8
449.	-0.2	-25.8	0.2	-4450.3	-76.8	-2446.8
	0.1	-31.2	0.1	-4500.0	-77.4	-2923.2
539.	-0.2	-25.8	0.2	-4450.3	-90.7	-4759.9
	0.1	-31.2	0.1	-4500.0	-89.1	-5721.7
629.	-0.2	-25.8	0.2	-4450.3	-104.6	-7073.1
	0.1	-31.2	0.1	-4500.0	-100.8	-8520.2
719.	-0.2	-25.8	0.2	-4450.3	-118.5	-9386.2
	0.1	-31.2	0.1	-4500.0	-112.5	-11318.7
Asta	287	nod	170	171		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.0	-22.4	-0.1	-142.2	-62.9	10694.9
	-1.3	13.2	-0.1	-173.4	-76.2	-6317.1
120.	-1.0	-22.4	-0.1	-142.2	-51.0	8010.2
	-1.3	13.2	-0.1	-173.4	-61.0	-4743.8
239.	-1.0	-22.4	-0.1	-142.2	-39.1	5325.4
	-1.3	13.2	-0.1	-173.4	-45.8	-3170.5

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359.	-1.0	-22.4	-0.1	-142.2	-27.2	2640.7
	-1.3	13.2	-0.1	-173.4	-30.6	-1597.2
479.	-1.0	-22.4	-0.1	-142.2	-15.3	-44.1
	-1.3	13.2	-0.1	-173.4	-15.3	-23.9
598.	-1.0	-22.4	-0.1	-142.2	-3.4	-2728.8
	-1.3	13.2	-0.1	-173.4	-0.1	1549.4
718.	-1.0	-22.4	-0.1	-142.2	8.4	-5413.6
	-1.3	13.2	-0.1	-173.4	15.1	3122.7
837.	-1.0	-22.4	-0.1	-142.2	20.3	-8098.3
	-1.3	13.2	-0.1	-173.4	30.3	4696.0
957.	-1.0	-22.4	-0.1	-142.2	32.2	-10783.1
	-1.3	13.2	-0.1	-173.4	45.6	6269.3
Asta	288	nod	172	168		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.5	-11.0	0.2	119.2	81.7	5470.2
	-0.6	22.7	0.2	88.8	66.4	-11202.2
123.	-0.5	-11.0	0.2	119.2	56.7	4109.3
	-0.6	22.7	0.2	88.8	44.9	-8400.5
247.	-0.5	-11.0	0.2	119.2	31.7	2748.3
	-0.6	22.7	0.2	88.8	23.4	-5598.8
370.	-0.5	-11.0	0.2	119.2	6.7	1387.4
	-0.6	22.7	0.2	88.8	1.9	-2797.0
493.	-0.5	-11.0	0.2	119.2	-18.3	26.4
	-0.6	22.7	0.2	88.8	-19.5	4.7
616.	-0.5	-11.0	0.2	119.2	-43.3	-1334.5
	-0.6	22.7	0.2	88.8	-41.0	2806.5
740.	-0.5	-11.0	0.2	119.2	-68.3	-2695.5
	-0.6	22.7	0.2	88.8	-62.5	5608.2
863.	-0.5	-11.0	0.2	119.2	-93.3	-4056.4
	-0.6	22.7	0.2	88.8	-83.9	8409.9
986.	-0.5	-11.0	0.2	119.2	-118.4	-5417.4
	-0.6	22.7	0.2	88.8	-105.4	11211.7
Asta	289	nod	2	163		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-7.5	3191.1	29.9	62657.0	4.1	-550477.7
	-8.1	2840.1	24.3	70707.7	-27.5	-550684.9
9.	-7.5	3191.1	29.9	62657.0	-260.2	-522272.3
	-8.1	2840.1	24.3	70707.7	-242.7	-525581.7
18.	-7.5	3191.1	29.9	62657.0	-524.4	-494066.8
	-8.1	2840.1	24.3	70707.7	-457.9	-500478.5
27.	-7.5	3191.1	29.9	62657.0	-788.7	-465861.3
	-8.1	2840.1	24.3	70707.7	-673.1	-475375.3
35.	-7.5	3191.1	29.9	62657.0	-1052.9	-437655.8
	-8.1	2840.1	24.3	70707.7	-888.3	-450272.1
44.	-7.5	3191.1	29.9	62657.0	-1317.1	-409450.4
	-8.1	2840.1	24.3	70707.7	-1103.4	-425168.9
53.	-7.5	3191.1	29.9	62657.0	-1581.4	-381244.9
	-8.1	2840.1	24.3	70707.7	-1318.6	-400065.7
62.	-7.5	3191.1	29.9	62657.0	-1845.6	-353039.4
	-8.1	2840.1	24.3	70707.7	-1533.8	-374962.5
71.	-7.5	3191.1	29.9	62657.0	-2109.9	-324833.9
	-8.1	2840.1	24.3	70707.7	-1749.0	-349859.3
Asta	290	nod	6	164		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-4.0	-12237.7	3.0	14127.2	-16.3	99231.8
	-3.7	-12224.5	-1.0	37747.2	-32.1	99059.9
6.	-4.0	-12237.7	3.0	14127.2	-34.9	22746.0
	-3.7	-12224.5	-1.0	37747.2	-26.1	22657.1
13.	-4.0	-12237.7	3.0	14127.2	-53.5	-53739.8
	-3.7	-12224.5	-1.0	37747.2	-20.2	-53745.8
19.	-4.0	-12237.7	3.0	14127.2	-72.1	-130225.6
	-3.7	-12224.5	-1.0	37747.2	-14.2	-130148.7
25.	-4.0	-12237.7	3.0	14127.2	-90.7	-206711.4
	-3.7	-12224.5	-1.0	37747.2	-8.3	-206551.5
31.	-4.0	-12237.7	3.0	14127.2	-109.3	-283197.2
	-3.7	-12224.5	-1.0	37747.2	-2.3	-282954.4
38.	-4.0	-12237.7	3.0	14127.2	-127.9	-359683.1
	-3.7	-12224.5	-1.0	37747.2	3.7	-359357.3
44.	-4.0	-12237.7	3.0	14127.2	-146.5	-436168.9
	-3.7	-12224.5	-1.0	37747.2	9.6	-435760.2
50.	-4.0	-12237.7	3.0	14127.2	-165.1	-512654.7
	-3.7	-12224.5	-1.0	37747.2	15.6	-512163.0
Asta	291	nod	58	165		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-7.6	-11087.1	14.0	151955.5	-9.7	96054.8
	-7.0	-11080.4	15.8	177300.6	79.7	95999.7
6.	-7.6	-11087.1	14.0	151955.5	-97.4	26760.5
	-7.0	-11080.4	15.8	177300.6	-19.3	26747.3
13.	-7.6	-11087.1	14.0	151955.5	-185.1	-42533.9
	-7.0	-11080.4	15.8	177300.6	-118.4	-42505.1
19.	-7.6	-11087.1	14.0	151955.5	-272.7	-111828.2
	-7.0	-11080.4	15.8	177300.6	-217.4	-111757.5
25.	-7.6	-11087.1	14.0	151955.5	-360.4	-181122.6
	-7.0	-11080.4	15.8	177300.6	-316.5	-181009.9
31.	-7.6	-11087.1	14.0	151955.5	-448.0	-250417.0
	-7.0	-11080.4	15.8	177300.6	-415.5	-250262.3
38.	-7.6	-11087.1	14.0	151955.5	-535.7	-319711.3
	-7.0	-11080.4	15.8	177300.6	-514.6	-319514.8
44.	-7.6	-11087.1	14.0	151955.5	-623.4	-389005.7
	-7.0	-11080.4	15.8	177300.6	-613.6	-388767.2

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50.	-7.6	-11087.1	14.0	151955.5	-711.0	-458300.0
	-7.0	-11080.4	15.8	177300.6	-712.7	-458019.6
Asta	292	nodì	10	166		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-12.7	984.3	-1094.0	44339.9	-75976.8	-422247.8
	-10.8	1326.1	1051.0	52408.1	75917.5	-421642.7
9.	-12.7	984.3	-1094.0	44339.9	-66306.9	-413547.4
	-10.8	1326.1	1051.0	52408.1	66628.0	-409921.7
18.	-12.7	984.3	-1094.0	44339.9	-56637.0	-404847.0
	-10.8	1326.1	1051.0	52408.1	57338.4	-398200.7
27.	-12.7	984.3	-1094.0	44339.9	-46967.1	-396146.5
	-10.8	1326.1	1051.0	52408.1	48048.9	-386479.8
35.	-12.7	984.3	-1094.0	44339.9	-37297.2	-387446.1
	-10.8	1326.1	1051.0	52408.1	38759.3	-374758.8
44.	-12.7	984.3	-1094.0	44339.9	-27627.3	-378745.6
	-10.8	1326.1	1051.0	52408.1	29469.7	-363037.8
53.	-12.7	984.3	-1094.0	44339.9	-17957.4	-370045.2
	-10.8	1326.1	1051.0	52408.1	20180.2	-351316.9
62.	-12.7	984.3	-1094.0	44339.9	-8287.5	-361344.8
	-10.8	1326.1	1051.0	52408.1	10890.6	-339595.9
71.	-12.7	984.3	-1094.0	44339.9	1382.4	-352644.3
	-10.8	1326.1	1051.0	52408.1	1601.1	-327874.9
Asta	293	nodì	12	167		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	2.7	-9184.8	858.3	-189296.1	49940.1	-484254.2
	2.6	-8801.5	-1063.8	-189507.8	-49681.8	-470333.7
6.	2.7	-9184.8	858.3	-189296.1	44575.7	-541658.9
	2.6	-8801.5	-1063.8	-189507.8	-43033.3	-525343.1
13.	2.7	-9184.8	858.3	-189296.1	39211.2	-599063.7
	2.6	-8801.5	-1063.8	-189507.8	-36384.8	-580352.5
19.	2.7	-9184.8	858.3	-189296.1	33846.7	-656468.4
	2.6	-8801.5	-1063.8	-189507.8	-29736.3	-635361.8
25.	2.7	-9184.8	858.3	-189296.1	28482.3	-713873.1
	2.6	-8801.5	-1063.8	-189507.8	-23087.9	-690371.2
31.	2.7	-9184.8	858.3	-189296.1	23117.8	-771277.9
	2.6	-8801.5	-1063.8	-189507.8	-16439.4	-745380.5
38.	2.7	-9184.8	858.3	-189296.1	17753.3	-828682.6
	2.6	-8801.5	-1063.8	-189507.8	-9790.9	-800389.9
44.	2.7	-9184.8	858.3	-189296.1	12388.9	-886087.3
	2.6	-8801.5	-1063.8	-189507.8	-3142.4	-855399.2
50.	2.7	-9184.8	858.3	-189296.1	7024.4	-943492.0
	2.6	-8801.5	-1063.8	-189507.8	3506.1	-910408.6
Asta	294	nodì	168	36		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.5	-351.7	337.4	186042.4	4227.3	-319084.3
	0.8	-707.8	-217.2	177202.6	4290.2	-293822.2
9.	-1.5	-351.7	337.4	186042.4	1245.1	-322193.1
	0.8	-707.8	-217.2	177202.6	6209.8	-300078.3
18.	-1.5	-351.7	337.4	186042.4	-1737.1	-325301.8
	0.8	-707.8	-217.2	177202.6	8129.4	-306334.4
27.	-1.5	-351.7	337.4	186042.4	-4719.3	-328410.5
	0.8	-707.8	-217.2	177202.6	10049.0	-312590.5
35.	-1.5	-351.7	337.4	186042.4	-7701.5	-331519.3
	0.8	-707.8	-217.2	177202.6	11968.7	-318846.6
44.	-1.5	-351.7	337.4	186042.4	-10683.7	-334628.0
	0.8	-707.8	-217.2	177202.6	13888.3	-325102.7
53.	-1.5	-351.7	337.4	186042.4	-13665.9	-337736.7
	0.8	-707.8	-217.2	177202.6	15807.9	-331358.8
62.	-1.5	-351.7	337.4	186042.4	-16648.1	-340845.5
	0.8	-707.8	-217.2	177202.6	17727.5	-337614.9
71.	-1.5	-351.7	337.4	186042.4	-19630.3	-343954.2
	0.8	-707.8	-217.2	177202.6	19647.1	-343871.1
Asta	295	nodì	172	40		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-14.9	-108.7	20.6	-152404.3	1211.9	-407713.5
	-18.1	370.1	9.1	-162123.4	858.8	-440505.8
9.	-14.9	-108.7	20.6	-152404.3	1029.9	-408674.3
	-18.1	370.1	9.1	-162123.4	778.2	-437234.2
18.	-14.9	-108.7	20.6	-152404.3	847.8	-409635.2
	-18.1	370.1	9.1	-162123.4	697.6	-433962.7
27.	-14.9	-108.7	20.6	-152404.3	665.7	-410596.0
	-18.1	370.1	9.1	-162123.4	616.9	-430691.2
35.	-14.9	-108.7	20.6	-152404.3	483.6	-411556.8
	-18.1	370.1	9.1	-162123.4	536.3	-427419.6
44.	-14.9	-108.7	20.6	-152404.3	301.6	-412517.6
	-18.1	370.1	9.1	-162123.4	455.7	-424148.1
53.	-14.9	-108.7	20.6	-152404.3	119.5	-413478.5
	-18.1	370.1	9.1	-162123.4	375.0	-420876.6
62.	-14.9	-108.7	20.6	-152404.3	-62.6	-414439.3
	-18.1	370.1	9.1	-162123.4	294.4	-417605.0
71.	-14.9	-108.7	20.6	-152404.3	-244.6	-415400.1
	-18.1	370.1	9.1	-162123.4	213.8	-414333.5
Asta	296	nodì	171	42		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-21.4	435.8	4.2	168578.1	145.2	-431097.3
	-19.9	-46.2	-1.3	158879.5	-229.2	-398038.9
9.	-21.4	435.8	4.2	168578.1	108.1	-427245.0
	-19.9	-46.2	-1.3	158879.5	-217.4	-398447.4
18.	-21.4	435.8	4.2	168578.1	71.0	-423392.7

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27.	-19.9	-46.2	-1.3	158879.5	-205.5	-398856.0
	-21.4	435.8	4.2	168578.1	33.8	-419540.4
35.	-19.9	-46.2	-1.3	158879.5	-193.7	-399264.6
	-21.4	435.8	4.2	168578.1	-3.3	-415688.1
44.	-19.9	-46.2	-1.3	158879.5	-181.9	-399673.2
	-21.4	435.8	4.2	168578.1	-40.4	-411835.9
53.	-19.9	-46.2	-1.3	158879.5	-170.0	-400081.7
	-21.4	435.8	4.2	168578.1	-77.5	-407983.6
62.	-19.9	-46.2	-1.3	158879.5	-158.2	-400490.3
	-21.4	435.8	4.2	168578.1	-114.6	-404131.3
71.	-19.9	-46.2	-1.3	158879.5	-146.4	-400898.9
	-21.4	435.8	4.2	168578.1	-151.8	-400279.0
	-19.9	-46.2	-1.3	158879.5	-134.5	-401307.5
Asta	297	nodì	170	46		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	2.5	-1843.9	-38.0	50068.3	-2413.0	-269895.4
	1.7	-1520.0	-42.2	41963.5	-2705.9	-294777.0
9.	2.5	-1843.9	-38.0	50068.3	-2077.4	-286192.9
	1.7	-1520.0	-42.2	41963.5	-2333.1	-308212.2
18.	2.5	-1843.9	-38.0	50068.3	-1741.7	-302490.4
	1.7	-1520.0	-42.2	41963.5	-1960.4	-321647.4
27.	2.5	-1843.9	-38.0	50068.3	-1406.1	-318787.9
	1.7	-1520.0	-42.2	41963.5	-1587.6	-335082.6
35.	2.5	-1843.9	-38.0	50068.3	-1070.5	-335085.4
	1.7	-1520.0	-42.2	41963.5	-1214.9	-348517.8
44.	2.5	-1843.9	-38.0	50068.3	-734.9	-351382.9
	1.7	-1520.0	-42.2	41963.5	-842.1	-361953.0
53.	2.5	-1843.9	-38.0	50068.3	-399.2	-367680.4
	1.7	-1520.0	-42.2	41963.5	-469.4	-375388.2
62.	2.5	-1843.9	-38.0	50068.3	-63.6	-383977.9
	1.7	-1520.0	-42.2	41963.5	-96.6	-388823.4
71.	2.5	-1843.9	-38.0	50068.3	272.0	-400275.4
	1.7	-1520.0	-42.2	41963.5	276.1	-402258.6
Asta	298	nodì	169	111		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	6.2	20447.8	157.0	-21737.3	5075.2	-1422058.2
	6.1	20677.9	156.7	-24106.0	5021.2	-1454567.8
6.	6.2	20447.8	157.0	-21737.3	4094.0	-1294259.3
	6.1	20677.9	156.7	-24106.0	4041.7	-1325331.1
13.	6.2	20447.8	157.0	-21737.3	3112.7	-1166460.4
	6.1	20677.9	156.7	-24106.0	3062.2	-1196094.4
19.	6.2	20447.8	157.0	-21737.3	2131.5	-1038661.6
	6.1	20677.9	156.7	-24106.0	2082.7	-1066857.8
25.	6.2	20447.8	157.0	-21737.3	1150.2	-910862.7
	6.1	20677.9	156.7	-24106.0	1103.1	-937621.1
31.	6.2	20447.8	157.0	-21737.3	169.0	-783063.9
	6.1	20677.9	156.7	-24106.0	123.6	-808384.5
38.	6.2	20447.8	157.0	-21737.3	-812.3	-655265.0
	6.1	20677.9	156.7	-24106.0	-855.9	-679147.8
44.	6.2	20447.8	157.0	-21737.3	-1793.5	-527466.1
	6.1	20677.9	156.7	-24106.0	-1835.4	-549911.2
50.	6.2	20447.8	157.0	-21737.3	-2774.8	-399667.3
	6.1	20677.9	156.7	-24106.0	-2814.9	-420674.5
Asta	322	nodì	187	188		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.8	5.6	0.0	-188.3	-1.4	-2132.4
	-1.1	54.2	0.0	-203.3	-18.3	-22743.5
106.	-0.8	5.6	0.0	-188.3	-0.4	-1540.4
	-1.1	54.2	0.0	-203.3	-13.1	-17006.2
212.	-0.8	5.6	0.0	-188.3	0.6	-948.3
	-1.1	54.2	0.0	-203.3	-7.9	-11268.9
317.	-0.8	5.6	0.0	-188.3	1.6	-356.3
	-1.1	54.2	0.0	-203.3	-2.7	-5531.5
423.	-0.8	5.6	0.0	-188.3	2.6	235.7
	-1.1	54.2	0.0	-203.3	2.4	205.8
529.	-0.8	5.6	0.0	-188.3	3.7	827.7
	-1.1	54.2	0.0	-203.3	7.6	5943.1
635.	-0.8	5.6	0.0	-188.3	4.7	1419.7
	-1.1	54.2	0.0	-203.3	12.8	11680.4
741.	-0.8	5.6	0.0	-188.3	5.7	2011.7
	-1.1	54.2	0.0	-203.3	18.0	17417.8
847.	-0.8	5.6	0.0	-188.3	6.7	2603.8
	-1.1	54.2	0.0	-203.3	23.2	23155.1
Asta	323	nodì	188	189		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.0	-48.5	0.0	16.6	-8.1	16954.0
	-1.5	26.6	-0.1	-1.7	-26.2	-9275.2
87.	-1.0	-48.5	0.0	16.6	-6.4	12718.4
	-1.5	26.6	-0.1	-1.7	-20.0	-6952.6
175.	-1.0	-48.5	0.0	16.6	-4.7	8482.7
	-1.5	26.6	-0.1	-1.7	-13.9	-4630.0
262.	-1.0	-48.5	0.0	16.6	-3.1	4247.1
	-1.5	26.6	-0.1	-1.7	-7.8	-2307.3
349.	-1.0	-48.5	0.0	16.6	-1.4	11.4
	-1.5	26.6	-0.1	-1.7	-1.6	15.3
437.	-1.0	-48.5	0.0	16.6	0.3	-4224.3
	-1.5	26.6	-0.1	-1.7	4.5	2337.9
524.	-1.0	-48.5	0.0	16.6	2.0	-8459.9
	-1.5	26.6	-0.1	-1.7	10.6	4660.5
611.	-1.0	-48.5	0.0	16.6	3.7	-12695.6

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699.	-1.5	26.6	-0.1	-1.7	16.8	6983.2
	-1.0	-48.5	0.0	16.6	5.4	-16931.2
	-1.5	26.6	-0.1	-1.7	22.9	9305.8
Asta	324	nod	189	190		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.0	-25.8	0.0	78.9	-6.1	16310.2
	-1.1	-2.1	0.0	62.4	-10.1	1528.2
156.	-1.0	-25.8	0.0	78.9	-3.7	12289.6
	-1.1	-2.1	0.0	62.4	-7.5	1208.1
311.	-1.0	-25.8	0.0	78.9	-1.4	8269.0
	-1.1	-2.1	0.0	62.4	-5.0	888.1
467.	-1.0	-25.8	0.0	78.9	1.0	4248.4
	-1.1	-2.1	0.0	62.4	-2.5	568.1
623.	-1.0	-25.8	0.0	78.9	3.3	227.8
	-1.1	-2.1	0.0	62.4	0.1	248.0
778.	-1.0	-25.8	0.0	78.9	5.6	-3792.7
	-1.1	-2.1	0.0	62.4	2.6	-72.0
934.	-1.0	-25.8	0.0	78.9	8.0	-7813.3
	-1.1	-2.1	0.0	62.4	5.1	-392.0
1089.	-1.0	-25.8	0.0	78.9	10.3	-11833.9
	-1.1	-2.1	0.0	62.4	7.6	-712.1
1245.	-1.0	-25.8	0.0	78.9	12.6	-15854.5
	-1.1	-2.1	0.0	62.4	10.2	-1032.1
Asta	325	nod	93	189		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2.7	-11419.0	-1.6	168445.9	-62.3	68646.8
	-2.3	-11414.0	-8.5	194697.5	46.8	68633.6
6.	-2.7	-11419.0	-1.6	168445.9	-52.1	-2722.1
	-2.3	-11414.0	-8.5	194697.5	100.0	-2703.7
13.	-2.7	-11419.0	-1.6	168445.9	-41.9	-74090.9
	-2.3	-11414.0	-8.5	194697.5	153.1	-74040.9
19.	-2.7	-11419.0	-1.6	168445.9	-31.7	-145459.7
	-2.3	-11414.0	-8.5	194697.5	206.2	-145378.2
25.	-2.7	-11419.0	-1.6	168445.9	-21.5	-216828.6
	-2.3	-11414.0	-8.5	194697.5	259.4	-216715.5
31.	-2.7	-11419.0	-1.6	168445.9	-11.3	-288197.4
	-2.3	-11414.0	-8.5	194697.5	312.5	-288052.8
38.	-2.7	-11419.0	-1.6	168445.9	-1.1	-359566.2
	-2.3	-11414.0	-8.5	194697.5	365.7	-359390.0
44.	-2.7	-11419.0	-1.6	168445.9	9.1	-430935.1
	-2.3	-11414.0	-8.5	194697.5	418.8	-430727.3
50.	-2.7	-11419.0	-1.6	168445.9	19.3	-502303.9
	-2.3	-11414.0	-8.5	194697.5	471.9	-502064.6
Asta	326	nod	67	188		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-4.1	-12760.1	-2.9	92689.2	11.3	71366.9
	-3.8	-12745.4	-12.6	117058.1	3.0	71154.2
6.	-4.1	-12760.1	-2.9	92689.2	29.4	-8383.6
	-3.8	-12745.4	-12.6	117058.1	81.8	-8504.7
13.	-4.1	-12760.1	-2.9	92689.2	47.4	-88134.1
	-3.8	-12745.4	-12.6	117058.1	160.6	-88163.5
19.	-4.1	-12760.1	-2.9	92689.2	65.5	-167884.6
	-3.8	-12745.4	-12.6	117058.1	239.5	-167822.4
25.	-4.1	-12760.1	-2.9	92689.2	83.6	-247635.2
	-3.8	-12745.4	-12.6	117058.1	318.3	-247481.2
31.	-4.1	-12760.1	-2.9	92689.2	101.6	-327385.7
	-3.8	-12745.4	-12.6	117058.1	397.1	-327140.1
38.	-4.1	-12760.1	-2.9	92689.2	119.7	-407136.2
	-3.8	-12745.4	-12.6	117058.1	475.9	-406798.9
44.	-4.1	-12760.1	-2.9	92689.2	137.7	-486886.7
	-3.8	-12745.4	-12.6	117058.1	554.7	-486457.8
50.	-4.1	-12760.1	-2.9	92689.2	155.8	-566637.2
	-3.8	-12745.4	-12.6	117058.1	633.5	-566116.6
Asta	327	nod	65	187		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.7	-3035.6	1.7	221895.6	-37.6	-263965.2
	0.0	-3370.5	-5.9	230736.2	-73.1	-266174.0
9.	0.7	-3035.6	1.7	221895.6	-52.7	-290796.3
	0.0	-3370.5	-5.9	230736.2	-20.5	-295965.5
18.	0.7	-3035.6	1.7	221895.6	-67.7	-317627.3
	0.0	-3370.5	-5.9	230736.2	32.1	-325756.9
27.	0.7	-3035.6	1.7	221895.6	-82.8	-344458.3
	0.0	-3370.5	-5.9	230736.2	84.7	-355548.4
35.	0.7	-3035.6	1.7	221895.6	-97.9	-371289.3
	0.0	-3370.5	-5.9	230736.2	137.3	-385339.9
44.	0.7	-3035.6	1.7	221895.6	-113.0	-398120.3
	0.0	-3370.5	-5.9	230736.2	189.8	-415131.4
53.	0.7	-3035.6	1.7	221895.6	-128.1	-424951.3
	0.0	-3370.5	-5.9	230736.2	242.4	-444922.8
62.	0.7	-3035.6	1.7	221895.6	-143.2	-451782.3
	0.0	-3370.5	-5.9	230736.2	295.0	-474714.3
71.	0.7	-3035.6	1.7	221895.6	-158.3	-478613.3
	0.0	-3370.5	-5.9	230736.2	347.6	-504505.8
Asta	328	nod	191	187		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.4	-117.2	0.1	9396.8	28.4	38460.8
	-0.2	-112.9	0.0	9619.5	12.3	37015.7
82.	-0.4	-117.2	0.1	9396.8	22.3	28810.0
	-0.2	-112.9	0.0	9619.5	10.6	27726.5

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165.	-0.4	-117.2	0.1	9396.8	16.1	19159.2
	-0.2	-112.9	0.0	9619.5	9.0	18437.3
247.	-0.4	-117.2	0.1	9396.8	10.0	9508.3
	-0.2	-112.9	0.0	9619.5	7.3	9148.2
329.	-0.4	-117.2	0.1	9396.8	3.8	-142.5
	-0.2	-112.9	0.0	9619.5	5.6	-141.0
412.	-0.4	-117.2	0.1	9396.8	-2.3	-9793.4
	-0.2	-112.9	0.0	9619.5	3.9	-9430.2
494.	-0.4	-117.2	0.1	9396.8	-8.5	-19444.2
	-0.2	-112.9	0.0	9619.5	2.2	-18719.4
576.	-0.4	-117.2	0.1	9396.8	-14.7	-29095.1
	-0.2	-112.9	0.0	9619.5	0.5	-28008.6
659.	-0.4	-117.2	0.1	9396.8	-20.8	-38745.9
	-0.2	-112.9	0.0	9619.5	-1.2	-37297.7
Asta	329	nodì	191	108		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-13.5	11326.7	14.5	-108351.8	589.4	-1069546.4
	-13.9	11489.8	9.9	-109718.7	333.0	-1097839.5
6.	-13.5	11326.7	14.5	-108351.8	498.8	-998754.3
	-13.9	11489.8	9.9	-109718.7	271.1	-1026028.0
13.	-13.5	11326.7	14.5	-108351.8	408.3	-927962.2
	-13.9	11489.8	9.9	-109718.7	209.2	-954216.4
19.	-13.5	11326.7	14.5	-108351.8	317.7	-857170.1
	-13.9	11489.8	9.9	-109718.7	147.3	-882404.9
25.	-13.5	11326.7	14.5	-108351.8	227.1	-786378.0
	-13.9	11489.8	9.9	-109718.7	85.4	-810593.4
31.	-13.5	11326.7	14.5	-108351.8	136.5	-715585.9
	-13.9	11489.8	9.9	-109718.7	23.5	-738781.9
38.	-13.5	11326.7	14.5	-108351.8	45.9	-644793.9
	-13.9	11489.8	9.9	-109718.7	-38.4	-666970.3
44.	-13.5	11326.7	14.5	-108351.8	-44.6	-574001.8
	-13.9	11489.8	9.9	-109718.7	-100.3	-595158.8
50.	-13.5	11326.7	14.5	-108351.8	-135.2	-503209.7
	-13.9	11489.8	9.9	-109718.7	-162.1	-523347.3
Asta	330	nodì	192	191		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.4	-18.5	0.0	-8694.5	-20.1	7064.8
	-0.2	-23.5	-0.1	-8934.1	-40.0	8891.4
90.	-0.4	-18.5	0.0	-8694.5	-17.7	5404.7
	-0.2	-23.5	-0.1	-8934.1	-33.3	6777.0
180.	-0.4	-18.5	0.0	-8694.5	-15.4	3744.6
	-0.2	-23.5	-0.1	-8934.1	-26.6	4662.6
269.	-0.4	-18.5	0.0	-8694.5	-13.0	2084.4
	-0.2	-23.5	-0.1	-8934.1	-19.8	2548.3
359.	-0.4	-18.5	0.0	-8694.5	-10.6	424.3
	-0.2	-23.5	-0.1	-8934.1	-13.1	433.9
449.	-0.4	-18.5	0.0	-8694.5	-8.2	-1235.8
	-0.2	-23.5	-0.1	-8934.1	-6.4	-1680.5
539.	-0.4	-18.5	0.0	-8694.5	-5.8	-2896.0
	-0.2	-23.5	-0.1	-8934.1	0.3	-3794.8
629.	-0.4	-18.5	0.0	-8694.5	-3.4	-4556.1
	-0.2	-23.5	-0.1	-8934.1	7.0	-5909.2
719.	-0.4	-18.5	0.0	-8694.5	-1.1	-6216.2
	-0.2	-23.5	-0.1	-8934.1	13.8	-8023.6
Asta	331	nodì	192	87		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.9	1754.6	-13.1	-111381.0	-879.2	-381222.4
	-2.0	2079.0	-20.3	-120855.6	-1364.7	-407731.6
9.	-0.9	1754.6	-13.1	-111381.0	-763.2	-365713.6
	-2.0	2079.0	-20.3	-120855.6	-1185.5	-389355.5
18.	-0.9	1754.6	-13.1	-111381.0	-647.2	-350204.8
	-2.0	2079.0	-20.3	-120855.6	-1006.3	-370979.3
27.	-0.9	1754.6	-13.1	-111381.0	-531.2	-334696.0
	-2.0	2079.0	-20.3	-120855.6	-827.1	-352603.2
35.	-0.9	1754.6	-13.1	-111381.0	-415.2	-319187.1
	-2.0	2079.0	-20.3	-120855.6	-647.9	-334227.1
44.	-0.9	1754.6	-13.1	-111381.0	-299.3	-303678.3
	-2.0	2079.0	-20.3	-120855.6	-468.7	-315850.9
53.	-0.9	1754.6	-13.1	-111381.0	-183.3	-288169.5
	-2.0	2079.0	-20.3	-120855.6	-289.5	-297474.8
62.	-0.9	1754.6	-13.1	-111381.0	-67.3	-272660.7
	-2.0	2079.0	-20.3	-120855.6	-110.4	-279098.7
71.	-0.9	1754.6	-13.1	-111381.0	48.7	-257151.8
	-2.0	2079.0	-20.3	-120855.6	68.8	-260722.6
Asta	332	nodì	192	193		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.1	-23.4	0.0	20.4	-22.6	11756.6
	-0.4	14.5	-0.1	-4.0	-41.0	-6402.2
120.	-0.1	-23.4	0.0	20.4	-17.7	8953.2
	-0.4	14.5	-0.1	-4.0	-31.6	-4671.7
239.	-0.1	-23.4	0.0	20.4	-12.7	6149.8
	-0.4	14.5	-0.1	-4.0	-22.2	-2941.1
359.	-0.1	-23.4	0.0	20.4	-7.8	3346.5
	-0.4	14.5	-0.1	-4.0	-12.8	-1210.5
479.	-0.1	-23.4	0.0	20.4	-2.9	543.1
	-0.4	14.5	-0.1	-4.0	-3.4	520.0
598.	-0.1	-23.4	0.0	20.4	2.1	-2260.3
	-0.4	14.5	-0.1	-4.0	6.0	2250.6
718.	-0.1	-23.4	0.0	20.4	7.0	-5063.6
	-0.4	14.5	-0.1	-4.0	15.4	3981.1

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837.	-0.1	-23.4	0.0	20.4	11.9	-7867.0
	-0.4	14.5	-0.1	-4.0	24.8	5711.7
957.	-0.1	-23.4	0.0	20.4	16.9	-10670.4
	-0.4	14.5	-0.1	-4.0	34.2	7442.3
Asta	333	nodì	193	85		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2.3	2910.1	-3.7	225278.7	-257.0	-517421.2
	-1.7	2503.7	-11.5	214553.5	-768.3	-486199.3
9.	-2.3	2910.1	-3.7	225278.7	-224.3	-491699.2
	-1.7	2503.7	-11.5	214553.5	-666.8	-464069.1
18.	-2.3	2910.1	-3.7	225278.7	-191.6	-465977.2
	-1.7	2503.7	-11.5	214553.5	-565.4	-441939.0
27.	-2.3	2910.1	-3.7	225278.7	-158.9	-440255.2
	-1.7	2503.7	-11.5	214553.5	-463.9	-419808.8
35.	-2.3	2910.1	-3.7	225278.7	-126.2	-414533.2
	-1.7	2503.7	-11.5	214553.5	-362.4	-397678.7
44.	-2.3	2910.1	-3.7	225278.7	-93.5	-388811.2
	-1.7	2503.7	-11.5	214553.5	-261.0	-375548.5
53.	-2.3	2910.1	-3.7	225278.7	-60.8	-363089.2
	-1.7	2503.7	-11.5	214553.5	-159.5	-353418.3
62.	-2.3	2910.1	-3.7	225278.7	-28.1	-337367.2
	-1.7	2503.7	-11.5	214553.5	-58.0	-331288.2
71.	-2.3	2910.1	-3.7	225278.7	4.6	-311645.2
	-1.7	2503.7	-11.5	214553.5	43.4	-309158.0
Asta	334	nodì	194	84		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	1.3	2605.5	5.8	-213177.1	200.9	-496796.9
	-1.5	3008.8	-7.5	-223981.4	-302.5	-527803.0
9.	1.3	2605.5	5.8	-213177.1	149.4	-473767.0
	-1.5	3008.8	-7.5	-223981.4	-236.2	-501208.4
18.	1.3	2605.5	5.8	-213177.1	97.9	-450737.0
	-1.5	3008.8	-7.5	-223981.4	-169.9	-474613.7
27.	1.3	2605.5	5.8	-213177.1	46.5	-427707.0
	-1.5	3008.8	-7.5	-223981.4	-103.7	-448019.1
35.	1.3	2605.5	5.8	-213177.1	-5.0	-404677.0
	-1.5	3008.8	-7.5	-223981.4	-37.4	-421424.4
44.	1.3	2605.5	5.8	-213177.1	-56.5	-381647.1
	-1.5	3008.8	-7.5	-223981.4	28.9	-394829.8
53.	1.3	2605.5	5.8	-213177.1	-107.9	-358617.1
	-1.5	3008.8	-7.5	-223981.4	95.2	-368235.1
62.	1.3	2605.5	5.8	-213177.1	-159.4	-335587.1
	-1.5	3008.8	-7.5	-223981.4	161.5	-341640.5
71.	1.3	2605.5	5.8	-213177.1	-210.9	-312557.2
	-1.5	3008.8	-7.5	-223981.4	227.7	-315045.8
Asta	335	nodì	194	195		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.7	-13.0	0.0	-64.8	16.9	6970.2
	-0.6	22.9	0.0	-88.0	-3.1	-10737.8
123.	-0.7	-13.0	0.0	-64.8	11.6	5362.8
	-0.6	22.9	0.0	-88.0	-3.6	-7912.8
247.	-0.7	-13.0	0.0	-64.8	6.3	3755.5
	-0.6	22.9	0.0	-88.0	-4.0	-5087.8
370.	-0.7	-13.0	0.0	-64.8	1.0	2148.1
	-0.6	22.9	0.0	-88.0	-4.5	-2262.9
493.	-0.7	-13.0	0.0	-64.8	-4.4	540.8
	-0.6	22.9	0.0	-88.0	-4.9	562.1
616.	-0.7	-13.0	0.0	-64.8	-9.7	-1066.5
	-0.6	22.9	0.0	-88.0	-5.4	3387.1
740.	-0.7	-13.0	0.0	-64.8	-15.0	-2673.9
	-0.6	22.9	0.0	-88.0	-5.9	6212.1
863.	-0.7	-13.0	0.0	-64.8	-20.3	-4281.2
	-0.6	22.9	0.0	-88.0	-6.3	9037.0
986.	-0.7	-13.0	0.0	-64.8	-25.6	-5888.6
	-0.6	22.9	0.0	-88.0	-6.8	11862.0
Asta	336	nodì	195	82		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.9	2176.6	276.4	249143.3	812.4	-410101.7
	0.3	1901.1	-256.9	236233.3	610.4	-384459.7
9.	-1.9	2176.6	276.4	249143.3	-1631.0	-390862.8
	0.3	1901.1	-256.9	236233.3	2880.8	-367656.5
18.	-1.9	2176.6	276.4	249143.3	-4074.5	-371623.9
	0.3	1901.1	-256.9	236233.3	5151.2	-350853.3
27.	-1.9	2176.6	276.4	249143.3	-6518.0	-352385.0
	0.3	1901.1	-256.9	236233.3	7421.7	-334050.1
35.	-1.9	2176.6	276.4	249143.3	-8961.5	-333146.1
	0.3	1901.1	-256.9	236233.3	9692.1	-317247.0
44.	-1.9	2176.6	276.4	249143.3	-11405.0	-313907.2
	0.3	1901.1	-256.9	236233.3	11962.5	-300443.8
53.	-1.9	2176.6	276.4	249143.3	-13848.5	-294668.4
	0.3	1901.1	-256.9	236233.3	14232.9	-283640.6
62.	-1.9	2176.6	276.4	249143.3	-16292.0	-275429.5
	0.3	1901.1	-256.9	236233.3	16503.3	-266837.4
71.	-1.9	2176.6	276.4	249143.3	-18735.5	-256190.6
	0.3	1901.1	-256.9	236233.3	18773.7	-250034.2
Asta	337	nodì	195	196		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	-16.4	0.6	6993.4	169.7	6217.6
	-0.4	-12.4	-0.7	6755.3	-146.8	4789.3
90.	0.0	-16.4	0.6	6993.4	111.4	4746.3

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180.	-0.4	-12.4	-0.7	6755.3	-88.0	3673.5
	0.0	-16.4	0.6	6993.4	53.1	3274.9
269.	-0.4	-12.4	-0.7	6755.3	-29.3	2557.7
	0.0	-16.4	0.6	6993.4	-5.2	1803.6
359.	-0.4	-12.4	-0.7	6755.3	29.4	1441.9
	0.0	-16.4	0.6	6993.4	-63.5	332.2
449.	-0.4	-12.4	-0.7	6755.3	88.1	326.1
	0.0	-16.4	0.6	6993.4	-121.8	-1139.2
539.	-0.4	-12.4	-0.7	6755.3	146.9	-789.7
	0.0	-16.4	0.6	6993.4	-180.1	-2610.5
629.	-0.4	-12.4	-0.7	6755.3	205.6	-1905.5
	0.0	-16.4	0.6	6993.4	-238.4	-4081.9
719.	-0.4	-12.4	-0.7	6755.3	264.3	-3021.3
	0.0	-16.4	0.6	6993.4	-296.7	-5553.3
	-0.4	-12.4	-0.7	6755.3	323.0	-4137.1
Asta	338	nodì	70	196		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-9.3	-5901.2	823.8	6083.0	42442.7	-496780.7
	-8.7	-5278.7	-852.8	5895.4	-42186.6	-498558.8
6.	-9.3	-5901.2	823.8	6083.0	37293.7	-533663.5
	-8.7	-5278.7	-852.8	5895.4	-36856.7	-531550.4
13.	-9.3	-5901.2	823.8	6083.0	32144.8	-570546.3
	-8.7	-5278.7	-852.8	5895.4	-31526.7	-564542.0
19.	-9.3	-5901.2	823.8	6083.0	26995.9	-607429.0
	-8.7	-5278.7	-852.8	5895.4	-26196.8	-597533.6
25.	-9.3	-5901.2	823.8	6083.0	21847.0	-644311.8
	-8.7	-5278.7	-852.8	5895.4	-20866.9	-630525.2
31.	-9.3	-5901.2	823.8	6083.0	16698.0	-681194.6
	-8.7	-5278.7	-852.8	5895.4	-15537.0	-663516.8
38.	-9.3	-5901.2	823.8	6083.0	11549.1	-718077.4
	-8.7	-5278.7	-852.8	5895.4	-10207.1	-696508.5
44.	-9.3	-5901.2	823.8	6083.0	6400.2	-754960.2
	-8.7	-5278.7	-852.8	5895.4	-4877.2	-729500.1
50.	-9.3	-5901.2	823.8	6083.0	1251.3	-791842.9
	-8.7	-5278.7	-852.8	5895.4	452.7	-762491.7
Asta	339	nodì	196	190		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.5	-147.8	0.6	-7663.9	290.0	48622.3
	-1.5	-151.0	-0.9	-7439.7	-381.9	49654.8
82.	0.5	-147.8	0.6	-7663.9	238.5	36454.3
	-1.5	-151.0	-0.9	-7439.7	-308.7	37228.2
165.	0.5	-147.8	0.6	-7663.9	187.0	24286.3
	-1.5	-151.0	-0.9	-7439.7	-235.6	24801.6
247.	0.5	-147.8	0.6	-7663.9	135.5	12118.4
	-1.5	-151.0	-0.9	-7439.7	-162.4	12374.9
329.	0.5	-147.8	0.6	-7663.9	84.0	-49.6
	-1.5	-151.0	-0.9	-7439.7	-89.2	-51.7
412.	0.5	-147.8	0.6	-7663.9	32.5	-12217.6
	-1.5	-151.0	-0.9	-7439.7	-16.0	-12478.3
494.	0.5	-147.8	0.6	-7663.9	-19.1	-24385.6
	-1.5	-151.0	-0.9	-7439.7	57.2	-24904.9
576.	0.5	-147.8	0.6	-7663.9	-70.6	-36553.5
	-1.5	-151.0	-0.9	-7439.7	130.4	-37331.5
659.	0.5	-147.8	0.6	-7663.9	-122.1	-48721.5
	-1.5	-151.0	-0.9	-7439.7	203.6	-49758.1
Asta	340	nodì	69	190		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.5	-4198.2	-1020.4	-133197.3	-71710.5	-169516.2
	2.4	-3913.8	1004.1	-121849.2	71688.7	-164143.1
9.	0.5	-4198.2	-1020.4	-133197.3	-62691.0	-206623.7
	2.4	-3913.8	1004.1	-121849.2	62813.7	-198736.5
18.	0.5	-4198.2	-1020.4	-133197.3	-53671.5	-243731.2
	2.4	-3913.8	1004.1	-121849.2	53938.6	-233330.0
27.	0.5	-4198.2	-1020.4	-133197.3	-44652.0	-280838.7
	2.4	-3913.8	1004.1	-121849.2	45063.6	-267923.4
35.	0.5	-4198.2	-1020.4	-133197.3	-35632.5	-317946.2
	2.4	-3913.8	1004.1	-121849.2	36188.6	-302516.9
44.	0.5	-4198.2	-1020.4	-133197.3	-26613.0	-355053.6
	2.4	-3913.8	1004.1	-121849.2	27313.5	-337110.3
53.	0.5	-4198.2	-1020.4	-133197.3	-17593.5	-392161.1
	2.4	-3913.8	1004.1	-121849.2	18438.5	-371703.8
62.	0.5	-4198.2	-1020.4	-133197.3	-8574.0	-429268.6
	2.4	-3913.8	1004.1	-121849.2	9563.5	-406297.2
71.	0.5	-4198.2	-1020.4	-133197.3	445.5	-466376.1
	2.4	-3913.8	1004.1	-121849.2	688.4	-440890.7
Asta	341	nodì	160	197		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	2677.8	-5.3	-18929.3	16894.6	-1621355.7	-106342.4
	1878.7	-2306.9	-16628.6	18169.4	-2421193.9	122528.1
10.	2677.8	-5.3	-18929.3	16894.6	-1432063.1	-106395.6
	1878.7	-2306.9	-16628.6	18169.4	-2254907.7	99458.7
20.	2677.8	-5.3	-18929.3	16894.6	-1242770.5	-106448.8
	1878.7	-2306.9	-16628.6	18169.4	-2088621.6	76389.4
30.	2677.8	-5.3	-18929.3	16894.6	-1053477.8	-106502.0
	1878.7	-2306.9	-16628.6	18169.4	-1922335.4	53320.0
40.	2677.8	-5.3	-18929.3	16894.6	-864185.2	-106555.3
	1878.7	-2306.9	-16628.6	18169.4	-1756049.2	30250.7
50.	2677.8	-5.3	-18929.3	16894.6	-674892.5	-106608.5
	1878.7	-2306.9	-16628.6	18169.4	-1589763.1	7181.4
60.	2677.8	-5.3	-18929.3	16894.6	-485599.9	-106661.7

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70.	1878.7	-2306.9	-16628.6	18169.4	-1423476.9	-15888.0
	2677.8	-5.3	-18929.3	16894.6	-296307.2	-106714.9
80.	1878.7	-2306.9	-16628.6	18169.4	-1257190.8	-38957.3
	2677.8	-5.3	-18929.3	16894.6	-107014.6	-106768.1
	1878.7	-2306.9	-16628.6	18169.4	-1090904.6	-62026.7
Asta	342	nodì	170	192		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1712.7	1245.5	-508.4	921.9	172396.4	-239695.1
	-2069.9	1358.6	-1612.3	1445.7	-159091.9	-267970.8
43.	-1712.7	1245.5	-508.4	921.9	194004.5	-186763.0
	-2069.9	1358.6	-1612.3	1445.7	-90567.5	-210229.8
85.	-1712.7	1245.5	-508.4	921.9	215612.6	-133830.8
	-2069.9	1358.6	-1612.3	1445.7	-22043.0	-152488.9
128.	-1712.7	1245.5	-508.4	921.9	237220.7	-80898.6
	-2069.9	1358.6	-1612.3	1445.7	46481.5	-94748.0
170.	-1712.7	1245.5	-508.4	921.9	258828.8	-27966.4
	-2069.9	1358.6	-1612.3	1445.7	115006.0	-37007.1
213.	-1712.7	1245.5	-508.4	921.9	280436.9	24965.8
	-2069.9	1358.6	-1612.3	1445.7	183530.5	20733.8
255.	-1712.7	1245.5	-508.4	921.9	302044.9	77898.0
	-2069.9	1358.6	-1612.3	1445.7	252055.0	78474.8
298.	-1712.7	1245.5	-508.4	921.9	323653.0	130830.2
	-2069.9	1358.6	-1612.3	1445.7	320579.5	136215.7
340.	-1712.7	1245.5	-508.4	921.9	345261.1	183762.3
	-2069.9	1358.6	-1612.3	1445.7	389103.9	193956.6
Asta	343	nodì	161	198		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-805.5	28768.3	-68906.3	1998.4	-8501072.5	-3611773.9
	299.6	24049.8	-69416.4	3548.6	-8579090.0	-2166287.4
10.	-805.5	28768.3	-68906.3	1998.4	-7812009.1	-3324090.4
	299.6	24049.8	-69416.4	3548.6	-7884925.7	-1925789.0
20.	-805.5	28768.3	-68906.3	1998.4	-7122945.6	-3036407.0
	299.6	24049.8	-69416.4	3548.6	-7190761.4	-1685290.5
30.	-805.5	28768.3	-68906.3	1998.4	-6433882.2	-2748723.5
	299.6	24049.8	-69416.4	3548.6	-6496597.1	-1444792.0
40.	-805.5	28768.3	-68906.3	1998.4	-5744818.7	-2461040.1
	299.6	24049.8	-69416.4	3548.6	-5802432.8	-1204293.5
50.	-805.5	28768.3	-68906.3	1998.4	-5055755.2	-2173356.6
	299.6	24049.8	-69416.4	3548.6	-5108268.4	-963795.0
60.	-805.5	28768.3	-68906.3	1998.4	-4366691.8	-1885673.1
	299.6	24049.8	-69416.4	3548.6	-4414104.1	-723296.5
70.	-805.5	28768.3	-68906.3	1998.4	-3677628.3	-1597989.7
	299.6	24049.8	-69416.4	3548.6	-3719939.8	-482798.0
80.	-805.5	28768.3	-68906.3	1998.4	-2988564.9	-1310306.2
	299.6	24049.8	-69416.4	3548.6	-3025775.5	-242299.5
Asta	344	nodì	171	193		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2902.9	2514.6	-329.5	277.9	94511.6	-306888.9
	-2516.0	1530.1	-263.1	827.6	102606.6	-44214.9
43.	-2902.9	2514.6	-329.5	277.9	108515.8	-200017.7
	-2516.0	1530.1	-263.1	827.6	113789.2	20815.1
85.	-2902.9	2514.6	-329.5	277.9	122520.1	-93146.4
	-2516.0	1530.1	-263.1	827.6	124971.8	85845.2
128.	-2902.9	2514.6	-329.5	277.9	136524.3	13724.8
	-2516.0	1530.1	-263.1	827.6	136154.4	150875.2
170.	-2902.9	2514.6	-329.5	277.9	150528.6	120596.0
	-2516.0	1530.1	-263.1	827.6	147337.0	215905.2
213.	-2902.9	2514.6	-329.5	277.9	164532.8	227467.3
	-2516.0	1530.1	-263.1	827.6	158519.6	280935.3
255.	-2902.9	2514.6	-329.5	277.9	178537.1	334338.5
	-2516.0	1530.1	-263.1	827.6	169702.2	345965.3
298.	-2902.9	2514.6	-329.5	277.9	192541.4	441209.7
	-2516.0	1530.1	-263.1	827.6	180884.9	410995.3
340.	-2902.9	2514.6	-329.5	277.9	206545.6	548080.9
	-2516.0	1530.1	-263.1	827.6	192067.5	476025.4
Asta	345	nodì	162	199		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	202.7	73796.5	-24562.3	-4587.6	-2186606.2	-9167895.3
	-889.5	73204.7	-29235.3	-3048.0	-3625841.3	-9078083.9
10.	202.7	73796.5	-24562.3	-4587.6	-1940983.5	-8429930.0
	-889.5	73204.7	-29235.3	-3048.0	-3333488.4	-8346036.9
20.	202.7	73796.5	-24562.3	-4587.6	-1695360.8	-7691964.6
	-889.5	73204.7	-29235.3	-3048.0	-3041135.5	-7613989.8
30.	202.7	73796.5	-24562.3	-4587.6	-1449738.0	-6953999.2
	-889.5	73204.7	-29235.3	-3048.0	-2748782.6	-6881942.7
40.	202.7	73796.5	-24562.3	-4587.6	-1204115.3	-6216033.8
	-889.5	73204.7	-29235.3	-3048.0	-2456429.6	-6149895.7
50.	202.7	73796.5	-24562.3	-4587.6	-958492.6	-5478068.5
	-889.5	73204.7	-29235.3	-3048.0	-2164076.7	-5417848.6
60.	202.7	73796.5	-24562.3	-4587.6	-712869.9	-4740103.1
	-889.5	73204.7	-29235.3	-3048.0	-1871723.8	-4685801.6
70.	202.7	73796.5	-24562.3	-4587.6	-467247.2	-4002137.7
	-889.5	73204.7	-29235.3	-3048.0	-1579370.9	-3953754.5
80.	202.7	73796.5	-24562.3	-4587.6	-221624.5	-3264172.3
	-889.5	73204.7	-29235.3	-3048.0	-1287017.9	-3221707.5
Asta	346	nodì	172	194		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2623.1	301.5	-1366.7	-219.3	16670.8	97991.7
	-3005.1	368.8	-2349.6	327.6	-245970.7	89359.2

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43.	-2623.1	301.5	-1366.7	-219.3	74754.8	110804.5
	-3005.1	368.8	-2349.6	327.6	-146112.1	105035.0
85.	-2623.1	301.5	-1366.7	-219.3	132838.8	123617.4
	-3005.1	368.8	-2349.6	327.6	-46253.5	120710.8
128.	-2623.1	301.5	-1366.7	-219.3	190922.9	136430.3
	-3005.1	368.8	-2349.6	327.6	53605.1	136386.6
170.	-2623.1	301.5	-1366.7	-219.3	249006.9	149243.1
	-3005.1	368.8	-2349.6	327.6	153463.6	152062.3
213.	-2623.1	301.5	-1366.7	-219.3	307091.0	162056.0
	-3005.1	368.8	-2349.6	327.6	253322.2	167738.1
255.	-2623.1	301.5	-1366.7	-219.3	365175.0	174868.9
	-3005.1	368.8	-2349.6	327.6	353180.8	183413.9
298.	-2623.1	301.5	-1366.7	-219.3	423259.0	187681.7
	-3005.1	368.8	-2349.6	327.6	453039.4	199089.7
340.	-2623.1	301.5	-1366.7	-219.3	481343.1	200494.6
	-3005.1	368.8	-2349.6	327.6	552898.0	214765.4
Asta	347	nodì	158	200		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	968.6	13883.1	-6268.7	-23627.4	-1125173.2	-2161855.7
	1812.4	16455.1	-8438.6	-22694.6	-1343860.0	-1375133.4
10.	968.6	13883.1	-6268.7	-23627.4	-1062485.7	-2023024.5
	1812.4	16455.1	-8438.6	-22694.6	-1259473.8	-1210582.7
20.	968.6	13883.1	-6268.7	-23627.4	-999798.2	-1884193.3
	1812.4	16455.1	-8438.6	-22694.6	-1175087.6	-1046031.9
30.	968.6	13883.1	-6268.7	-23627.4	-937110.7	-1745362.1
	1812.4	16455.1	-8438.6	-22694.6	-1090701.4	-881481.2
40.	968.6	13883.1	-6268.7	-23627.4	-874423.2	-1606530.9
	1812.4	16455.1	-8438.6	-22694.6	-1006315.2	-716930.5
50.	968.6	13883.1	-6268.7	-23627.4	-811735.8	-1467699.7
	1812.4	16455.1	-8438.6	-22694.6	-921929.0	-552379.7
60.	968.6	13883.1	-6268.7	-23627.4	-749048.3	-1328868.5
	1812.4	16455.1	-8438.6	-22694.6	-837542.8	-387829.0
70.	968.6	13883.1	-6268.7	-23627.4	-686360.8	-1190037.3
	1812.4	16455.1	-8438.6	-22694.6	-753156.6	-223278.2
80.	968.6	13883.1	-6268.7	-23627.4	-623673.3	-1051206.0
	1812.4	16455.1	-8438.6	-22694.6	-668770.4	-58727.5
Asta	348	nodì	168	195		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2173.3	2421.4	-1026.3	-1007.8	-241267.3	-344251.0
	-1865.7	1282.7	-914.4	-470.4	-210794.1	-2338.3
43.	-2173.3	2421.4	-1026.3	-1007.8	-197651.2	-241339.8
	-1865.7	1282.7	-914.4	-470.4	-171931.0	52177.7
85.	-2173.3	2421.4	-1026.3	-1007.8	-154035.0	-138428.6
	-1865.7	1282.7	-914.4	-470.4	-133067.9	106693.7
128.	-2173.3	2421.4	-1026.3	-1007.8	-110418.9	-35517.4
	-1865.7	1282.7	-914.4	-470.4	-94204.8	161209.6
170.	-2173.3	2421.4	-1026.3	-1007.8	-66802.7	67393.8
	-1865.7	1282.7	-914.4	-470.4	-55341.8	215725.6
213.	-2173.3	2421.4	-1026.3	-1007.8	-23186.6	170305.0
	-1865.7	1282.7	-914.4	-470.4	-16478.7	270241.6
255.	-2173.3	2421.4	-1026.3	-1007.8	20429.6	273216.2
	-1865.7	1282.7	-914.4	-470.4	22384.4	324757.6
298.	-2173.3	2421.4	-1026.3	-1007.8	64045.7	376127.4
	-1865.7	1282.7	-914.4	-470.4	61247.5	379273.5
340.	-2173.3	2421.4	-1026.3	-1007.8	107661.8	479038.6
	-1865.7	1282.7	-914.4	-470.4	100110.6	433789.5
Asta	349	nodì	193	194		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.6	-30.6	0.0	-9.9	-4.0	12242.4
	-0.1	26.7	-0.1	-19.1	-25.1	-12039.4
106.	0.6	-30.6	0.0	-9.9	-3.7	8997.8
	-0.1	26.7	-0.1	-19.1	-19.2	-9213.5
212.	0.6	-30.6	0.0	-9.9	-3.4	5753.3
	-0.1	26.7	-0.1	-19.1	-13.3	-6387.5
318.	0.6	-30.6	0.0	-9.9	-3.1	2508.7
	-0.1	26.7	-0.1	-19.1	-7.4	-3561.5
424.	0.6	-30.6	0.0	-9.9	-2.8	-735.9
	-0.1	26.7	-0.1	-19.1	-1.5	-735.6
529.	0.6	-30.6	0.0	-9.9	-2.5	-3980.5
	-0.1	26.7	-0.1	-19.1	4.4	2090.4
635.	0.6	-30.6	0.0	-9.9	-2.2	-7225.1
	-0.1	26.7	-0.1	-19.1	10.2	4916.4
741.	0.6	-30.6	0.0	-9.9	-1.9	-10469.7
	-0.1	26.7	-0.1	-19.1	16.1	7742.3
847.	0.6	-30.6	0.0	-9.9	-1.6	-13714.2
	-0.1	26.7	-0.1	-19.1	22.0	10568.3
Asta	350	nodì	171	172		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3.1	-28.9	0.1	-8.6	12.0	12214.1
	-3.9	25.8	0.0	-23.9	-5.6	-10936.1
106.	-3.1	-28.9	0.1	-8.6	5.6	9158.6
	-3.9	25.8	0.0	-23.9	-7.3	-8204.0
212.	-3.1	-28.9	0.1	-8.6	-0.8	6103.2
	-3.9	25.8	0.0	-23.9	-9.0	-5472.0
318.	-3.1	-28.9	0.1	-8.6	-7.3	3047.7
	-3.9	25.8	0.0	-23.9	-10.7	-2740.0
424.	-3.1	-28.9	0.1	-8.6	-13.7	-7.8
	-3.9	25.8	0.0	-23.9	-12.5	-7.9
529.	-3.1	-28.9	0.1	-8.6	-20.1	-3063.3
	-3.9	25.8	0.0	-23.9	-14.2	2724.1

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635.	-3.1	-28.9	0.1	-8.6	-26.5	-6118.8
	-3.9	25.8	0.0	-23.9	-15.9	5456.1
741.	-3.1	-28.9	0.1	-8.6	-32.9	-9174.2
	-3.9	25.8	0.0	-23.9	-17.6	8188.2
847.	-3.1	-28.9	0.1	-8.6	-39.4	-12229.7
	-3.9	25.8	0.0	-23.9	-19.3	10920.2

Asta	351	nodì	161	162		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	-18213.9	-14.2	-12137.8	-8597.9	2583234.4
	0.0	-16556.3	-22.0	-17929.5	-11630.7	2052277.5
106.	0.0	-13644.6	-12.8	-5170.9	-7144.5	897409.2
	0.0	-12176.6	-20.4	-10896.5	-9363.9	532987.1
212.	0.0	-9167.7	-9.0	1839.4	-5975.8	-309305.1
	0.0	-7943.4	-16.2	-3835.5	-7411.7	-531263.2
318.	0.0	-4797.5	-3.4	8892.9	-5307.8	-1047651.4
	0.0	-3763.6	-10.4	3253.6	-5993.9	-1150883.1
424.	0.0	-525.5	3.0	15989.7	-5277.7	-1328675.4
	0.0	435.5	-3.9	10370.8	-5232.5	-1327504.4
529.	0.0	3680.0	9.5	23129.8	-5939.5	-1161297.9
	0.0	4706.9	2.4	17516.0	-5157.2	-1056096.6
635.	0.0	7873.4	15.3	30313.2	-7259.9	-549888.9
	0.0	9083.5	7.8	24689.4	-5710.7	-327084.5
741.	0.0	12131.9	19.4	37539.9	-9113.9	508160.5
	0.0	13578.4	11.6	31890.8	-6755.3	871536.4
847.	0.0	16556.0	21.0	44809.9	-11280.4	2024863.9
	0.0	18184.4	13.0	39120.2	-8077.4	2552082.5

Asta	352	nodì	159	206		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-14716.6	27.5	19152.5	-47067.0	2523606.6	369177.7
	-15213.2	140.9	19688.6	-47470.5	2571769.8	392683.3
10.	-14716.6	27.5	19152.5	-47067.0	2332081.5	369452.2
	-15213.2	140.9	19688.6	-47470.5	2374883.8	394091.9
20.	-14716.6	27.5	19152.5	-47067.0	2140556.4	369726.7
	-15213.2	140.9	19688.6	-47470.5	2177997.9	395500.6
30.	-14716.6	27.5	19152.5	-47067.0	1949031.3	370001.3
	-15213.2	140.9	19688.6	-47470.5	1981111.9	396909.2
40.	-14716.6	27.5	19152.5	-47067.0	1757506.2	370275.8
	-15213.2	140.9	19688.6	-47470.5	1784226.0	398317.8
50.	-14716.6	27.5	19152.5	-47067.0	1565981.0	370550.3
	-15213.2	140.9	19688.6	-47470.5	1587340.0	399726.5
60.	-14716.6	27.5	19152.5	-47067.0	1374455.9	370824.8
	-15213.2	140.9	19688.6	-47470.5	1390454.1	401135.1
70.	-14716.6	27.5	19152.5	-47067.0	1182930.8	371099.3
	-15213.2	140.9	19688.6	-47470.5	1193568.1	402543.7
80.	-14716.6	27.5	19152.5	-47067.0	991405.7	371373.9
	-15213.2	140.9	19688.6	-47470.5	996682.2	403952.3

Asta	353	nodì	169	191		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-11228.0	-5530.3	29.5	-618.9	-142995.6	828844.6
	-11400.5	-5691.0	9.4	-331.5	-151550.1	855664.6
43.	-11228.0	-5530.3	29.5	-618.9	-144249.7	593807.2
	-11400.5	-5691.0	9.4	-331.5	-151951.1	613795.8
85.	-11228.0	-5530.3	29.5	-618.9	-145503.9	358769.7
	-11400.5	-5691.0	9.4	-331.5	-152352.1	371927.0
128.	-11228.0	-5530.3	29.5	-618.9	-146758.0	123732.3
	-11400.5	-5691.0	9.4	-331.5	-152753.0	130058.2
170.	-11228.0	-5530.3	29.5	-618.9	-148012.2	-111305.2
	-11400.5	-5691.0	9.4	-331.5	-153154.0	-111810.6
213.	-11228.0	-5530.3	29.5	-618.9	-149266.4	-346342.6
	-11400.5	-5691.0	9.4	-331.5	-153555.0	-353679.4
255.	-11228.0	-5530.3	29.5	-618.9	-150520.5	-581380.1
	-11400.5	-5691.0	9.4	-331.5	-153956.0	-595548.2
298.	-11228.0	-5530.3	29.5	-618.9	-151774.7	-816417.5
	-11400.5	-5691.0	9.4	-331.5	-154357.0	-837417.0
340.	-11228.0	-5530.3	29.5	-618.9	-153028.8	-1051455.0
	-11400.5	-5691.0	9.4	-331.5	-154758.0	-1079285.9

Asta	354	nodì	153	205		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	5917.2	19661.9	-21564.8	-12316.5	-2501492.0	-1573363.6
	5042.8	17266.2	-20551.1	-11287.4	-2337502.6	-2433868.0
10.	5917.2	19661.9	-21564.8	-12316.5	-2285844.0	-1376744.8
	5042.8	17266.2	-20551.1	-11287.4	-2131991.5	-2261206.1
20.	5917.2	19661.9	-21564.8	-12316.5	-2070196.0	-1180126.1
	5042.8	17266.2	-20551.1	-11287.4	-1926480.4	-2088544.2
30.	5917.2	19661.9	-21564.8	-12316.5	-1854548.0	-983507.3
	5042.8	17266.2	-20551.1	-11287.4	-1720969.3	-1915882.3
40.	5917.2	19661.9	-21564.8	-12316.5	-1638900.0	-786888.6
	5042.8	17266.2	-20551.1	-11287.4	-1515458.2	-1743220.5
50.	5917.2	19661.9	-21564.8	-12316.5	-1423252.0	-590269.9
	5042.8	17266.2	-20551.1	-11287.4	-1309947.1	-1570558.6
60.	5917.2	19661.9	-21564.8	-12316.5	-1207604.0	-393651.1
	5042.8	17266.2	-20551.1	-11287.4	-1104436.0	-1397896.7
70.	5917.2	19661.9	-21564.8	-12316.5	-991956.0	-197032.4
	5042.8	17266.2	-20551.1	-11287.4	-898924.9	-1225234.9
80.	5917.2	19661.9	-21564.8	-12316.5	-776308.0	-413.6
	5042.8	17266.2	-20551.1	-11287.4	-693413.8	-1052573.0

Asta	355	nodì	163	187		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3158.4	1128.4	-354.4	-177.7	99965.1	123212.2

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43.	-3537.6	2304.2	-376.7	364.7	102990.8	-231161.9
	-3158.4	1128.4	-354.4	-177.7	115027.1	171168.6
	-3537.6	2304.2	-376.7	364.7	119002.7	-133234.5
85.	-3158.4	1128.4	-354.4	-177.7	130089.1	219125.1
	-3537.6	2304.2	-376.7	364.7	135014.5	-35307.0
128.	-3158.4	1128.4	-354.4	-177.7	145151.1	267081.5
	-3537.6	2304.2	-376.7	364.7	151026.3	62620.4
170.	-3158.4	1128.4	-354.4	-177.7	160213.1	315038.0
	-3537.6	2304.2	-376.7	364.7	167038.1	160547.9
213.	-3158.4	1128.4	-354.4	-177.7	175275.1	362994.4
	-3537.6	2304.2	-376.7	364.7	183049.9	258475.3
255.	-3158.4	1128.4	-354.4	-177.7	190337.1	410950.9
	-3537.6	2304.2	-376.7	364.7	199061.8	356402.7
298.	-3158.4	1128.4	-354.4	-177.7	205399.1	458907.3
	-3537.6	2304.2	-376.7	364.7	215073.6	454330.2
340.	-3158.4	1128.4	-354.4	-177.7	220461.1	506863.8
	-3537.6	2304.2	-376.7	364.7	231085.4	552257.6
Asta	356	nodì	167	196		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-5769.8	3813.1	-926.5	664.6	-375285.4	-519267.2
	-5140.1	3642.6	-900.4	1157.7	-365831.5	-490171.4
43.	-5769.8	3813.1	-926.5	664.6	-335907.1	-357210.6
	-5140.1	3642.6	-900.4	1157.7	-327563.5	-335362.9
85.	-5769.8	3813.1	-926.5	664.6	-296528.7	-195154.0
	-5140.1	3642.6	-900.4	1157.7	-289295.4	-180554.4
128.	-5769.8	3813.1	-926.5	664.6	-257150.4	-33097.4
	-5140.1	3642.6	-900.4	1157.7	-251027.4	-25745.9
170.	-5769.8	3813.1	-926.5	664.6	-217772.0	128959.2
	-5140.1	3642.6	-900.4	1157.7	-212759.4	129062.6
213.	-5769.8	3813.1	-926.5	664.6	-178393.6	291015.8
	-5140.1	3642.6	-900.4	1157.7	-174491.3	283871.2
255.	-5769.8	3813.1	-926.5	664.6	-139015.3	453072.5
	-5140.1	3642.6	-900.4	1157.7	-136223.3	438679.7
298.	-5769.8	3813.1	-926.5	664.6	-99636.9	615129.1
	-5140.1	3642.6	-900.4	1157.7	-97955.2	593488.2
340.	-5769.8	3813.1	-926.5	664.6	-60258.6	777185.7
	-5140.1	3642.6	-900.4	1157.7	-59687.2	748296.7
Asta	357	nodì	157	201		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-10710.4	3634.0	30479.6	57185.2	3750078.6	-568026.2
	-9631.5	3810.1	29949.6	51770.9	3705431.2	-551650.9
10.	-10710.4	3634.0	30479.6	57185.2	3445282.9	-531686.5
	-9631.5	3810.1	29949.6	51770.9	3405935.0	-513549.4
20.	-10710.4	3634.0	30479.6	57185.2	3140487.2	-495346.7
	-9631.5	3810.1	29949.6	51770.9	3106438.9	-475447.9
30.	-10710.4	3634.0	30479.6	57185.2	2835691.5	-459007.0
	-9631.5	3810.1	29949.6	51770.9	2806942.7	-437346.5
40.	-10710.4	3634.0	30479.6	57185.2	2530895.8	-422667.3
	-9631.5	3810.1	29949.6	51770.9	2507446.6	-399245.0
50.	-10710.4	3634.0	30479.6	57185.2	2226100.1	-386327.5
	-9631.5	3810.1	29949.6	51770.9	2207950.4	-361143.6
60.	-10710.4	3634.0	30479.6	57185.2	1921304.4	-349987.8
	-9631.5	3810.1	29949.6	51770.9	1908454.3	-323042.1
70.	-10710.4	3634.0	30479.6	57185.2	1616508.8	-313648.0
	-9631.5	3810.1	29949.6	51770.9	1608958.1	-284940.6
80.	-10710.4	3634.0	30479.6	57185.2	1311713.1	-277308.3
	-9631.5	3810.1	29949.6	51770.9	1309462.0	-246839.2
Asta	358	nodì	166	190		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-4371.9	293.6	-2384.7	336.1	-363328.9	184563.1
	-4066.8	281.9	-1214.9	902.2	-6682.9	179573.4
43.	-4371.9	293.6	-2384.7	336.1	-261977.7	197041.8
	-4066.8	281.9	-1214.9	902.2	44951.1	191553.9
85.	-4371.9	293.6	-2384.7	336.1	-160626.5	209520.6
	-4066.8	281.9	-1214.9	902.2	96585.1	203534.3
128.	-4371.9	293.6	-2384.7	336.1	-59275.3	221999.4
	-4066.8	281.9	-1214.9	902.2	148219.0	215514.7
170.	-4371.9	293.6	-2384.7	336.1	42076.0	234478.2
	-4066.8	281.9	-1214.9	902.2	199853.0	227495.2
213.	-4371.9	293.6	-2384.7	336.1	143427.2	246957.0
	-4066.8	281.9	-1214.9	902.2	251487.0	239475.6
255.	-4371.9	293.6	-2384.7	336.1	244778.4	259435.8
	-4066.8	281.9	-1214.9	902.2	303121.0	251456.0
298.	-4371.9	293.6	-2384.7	336.1	346129.6	271914.6
	-4066.8	281.9	-1214.9	902.2	354755.0	263436.5
340.	-4371.9	293.6	-2384.7	336.1	447480.8	284393.4
	-4066.8	281.9	-1214.9	902.2	406389.0	275416.9
Asta	359	nodì	156	202		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-627.8	31505.8	-6889.6	13995.8	-1472104.4	-3374806.8
	178.8	32232.3	-10361.0	15434.5	-742332.8	-3507021.3
10.	-627.8	31505.8	-6889.6	13995.8	-1403208.6	-3059748.9
	178.8	32232.3	-10361.0	15434.5	-638722.9	-3184698.3
20.	-627.8	31505.8	-6889.6	13995.8	-1334312.8	-2744690.9
	178.8	32232.3	-10361.0	15434.5	-535113.1	-2862375.4
30.	-627.8	31505.8	-6889.6	13995.8	-1265417.0	-2429633.0
	178.8	32232.3	-10361.0	15434.5	-431503.2	-2540052.5
40.	-627.8	31505.8	-6889.6	13995.8	-1196521.2	-2114575.1
	178.8	32232.3	-10361.0	15434.5	-327893.4	-2217729.5
50.	-627.8	31505.8	-6889.6	13995.8	-1127625.4	-1799517.1

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60.	178.8	32232.3	-10361.0	15434.5	-224283.5	-1895406.6
	-627.8	31505.8	-6889.6	13995.8	-1058729.7	-1484459.2
70.	178.8	32232.3	-10361.0	15434.5	-120673.7	-1573083.6
	-627.8	31505.8	-6889.6	13995.8	-989833.9	-1169401.3
80.	178.8	32232.3	-10361.0	15434.5	-17063.8	-1250760.7
	-627.8	31505.8	-6889.6	13995.8	-920938.1	-854343.4
	178.8	32232.3	-10361.0	15434.5	86546.1	-928437.8
Asta	360	nodì	154	204		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-31504.6	25339.9	4144.3	1536.0	-94897.2	-2505721.5
	-31526.0	25400.0	13267.8	1869.7	1689036.7	-2500917.7
10.	-31504.6	25339.9	4144.3	1536.0	-136340.1	-2252322.1
	-31526.0	25400.0	13267.8	1869.7	1556358.8	-2246917.7
20.	-31504.6	25339.9	4144.3	1536.0	-177782.9	-1998922.6
	-31526.0	25400.0	13267.8	1869.7	1423680.9	-1992917.8
30.	-31504.6	25339.9	4144.3	1536.0	-219225.8	-1745523.2
	-31526.0	25400.0	13267.8	1869.7	1291002.9	-1738917.8
40.	-31504.6	25339.9	4144.3	1536.0	-260668.7	-1492123.8
	-31526.0	25400.0	13267.8	1869.7	1158325.0	-1484917.9
50.	-31504.6	25339.9	4144.3	1536.0	-302111.6	-1238724.3
	-31526.0	25400.0	13267.8	1869.7	1025647.1	-1230917.9
60.	-31504.6	25339.9	4144.3	1536.0	-343554.5	-985324.9
	-31526.0	25400.0	13267.8	1869.7	892969.2	-976918.0
70.	-31504.6	25339.9	4144.3	1536.0	-384997.4	-731925.5
	-31526.0	25400.0	13267.8	1869.7	760291.2	-722918.1
80.	-31504.6	25339.9	4144.3	1536.0	-426440.2	-478526.0
	-31526.0	25400.0	13267.8	1869.7	627613.3	-468918.1
Asta	361	nodì	164	188		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-12706.0	1965.1	-209.5	170.6	-149558.0	-101697.2
	-12717.8	1949.6	613.7	682.9	59165.7	-96959.4
43.	-12706.0	1965.1	-209.5	170.6	-140655.6	-18181.0
	-12717.8	1949.6	613.7	682.9	33083.9	-14100.1
85.	-12706.0	1965.1	-209.5	170.6	-131753.2	65335.2
	-12717.8	1949.6	613.7	682.9	7002.1	68759.2
128.	-12706.0	1965.1	-209.5	170.6	-122850.8	148851.3
	-12717.8	1949.6	613.7	682.9	-19079.6	151618.5
170.	-12706.0	1965.1	-209.5	170.6	-113948.5	232367.5
	-12717.8	1949.6	613.7	682.9	-45161.4	234477.8
213.	-12706.0	1965.1	-209.5	170.6	-105046.1	315883.7
	-12717.8	1949.6	613.7	682.9	-71243.2	317337.1
255.	-12706.0	1965.1	-209.5	170.6	-96143.7	399399.9
	-12717.8	1949.6	613.7	682.9	-97324.9	400196.4
298.	-12706.0	1965.1	-209.5	170.6	-87241.4	482916.1
	-12717.8	1949.6	613.7	682.9	-123406.7	483055.7
340.	-12706.0	1965.1	-209.5	170.6	-78339.0	566432.2
	-12717.8	1949.6	613.7	682.9	-149488.5	565915.0
Asta	362	nodì	155	203		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-29309.3	32948.3	-31263.9	-1829.2	-3895271.5	-3288796.6
	-29189.8	32900.1	-22596.1	-2726.0	-2160844.8	-3287325.0
10.	-29309.3	32948.3	-31263.9	-1829.2	-3582632.2	-2959313.5
	-29189.8	32900.1	-22596.1	-2726.0	-1934883.8	-2958323.7
20.	-29309.3	32948.3	-31263.9	-1829.2	-3269992.9	-2629830.4
	-29189.8	32900.1	-22596.1	-2726.0	-1708922.9	-2629322.4
30.	-29309.3	32948.3	-31263.9	-1829.2	-2957353.7	-2300347.3
	-29189.8	32900.1	-22596.1	-2726.0	-1482962.0	-2300321.1
40.	-29309.3	32948.3	-31263.9	-1829.2	-2644714.4	-1970864.1
	-29189.8	32900.1	-22596.1	-2726.0	-1257001.0	-1971319.8
50.	-29309.3	32948.3	-31263.9	-1829.2	-2332075.2	-1641381.0
	-29189.8	32900.1	-22596.1	-2726.0	-1031040.1	-1642318.5
60.	-29309.3	32948.3	-31263.9	-1829.2	-2019435.9	-1311897.9
	-29189.8	32900.1	-22596.1	-2726.0	-805079.1	-1313317.3
70.	-29309.3	32948.3	-31263.9	-1829.2	-1706796.6	-982414.7
	-29189.8	32900.1	-22596.1	-2726.0	-579118.2	-984316.0
80.	-29309.3	32948.3	-31263.9	-1829.2	-1394157.4	-652931.6
	-29189.8	32900.1	-22596.1	-2726.0	-353157.3	-655314.7
Asta	363	nodì	165	189		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-11441.7	1532.0	559.6	30.8	55062.5	-18641.7
	-11385.3	1534.8	1369.8	504.9	263243.6	-19825.9
43.	-11441.7	1532.0	559.6	30.8	31279.1	46468.7
	-11385.3	1534.8	1369.8	504.9	205028.8	45402.4
85.	-11441.7	1532.0	559.6	30.8	7495.7	111579.1
	-11385.3	1534.8	1369.8	504.9	146814.0	110630.7
128.	-11441.7	1532.0	559.6	30.8	-16287.7	176689.5
	-11385.3	1534.8	1369.8	504.9	88599.1	175859.0
170.	-11441.7	1532.0	559.6	30.8	-40071.0	241799.9
	-11385.3	1534.8	1369.8	504.9	30384.3	241087.3
213.	-11441.7	1532.0	559.6	30.8	-63854.4	306910.3
	-11385.3	1534.8	1369.8	504.9	-27830.6	306315.6
255.	-11441.7	1532.0	559.6	30.8	-87637.8	372020.8
	-11385.3	1534.8	1369.8	504.9	-86045.4	371543.9
298.	-11441.7	1532.0	559.6	30.8	-111421.1	437131.2
	-11385.3	1534.8	1369.8	504.9	-144260.3	436772.2
340.	-11441.7	1532.0	559.6	30.8	-135204.5	502241.6
	-11385.3	1534.8	1369.8	504.9	-202475.1	502000.5
Asta	364	nodì	114	153		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ

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0.	0.0	-30470.2	1924.3	909882.6	22520.7	-1226384.6
	0.0	-30386.2	1914.3	1077576.5	22550.2	-1358173.0
9.	0.0	-29999.8	1924.3	909508.6	5512.4	-1493624.0
	0.0	-29899.3	1914.3	1077276.4	5630.3	-1624597.8
18.	0.0	-29532.8	1924.2	909152.2	-11495.7	-1756720.8
	0.0	-29414.7	1914.2	1076997.0	-11289.4	-1886729.2
27.	0.0	-29069.3	1924.2	908813.2	-28503.8	-2015705.6
	0.0	-28932.5	1914.2	1076738.4	-28209.0	-2144588.4
35.	0.0	-28609.2	1924.3	908491.8	-45511.9	-2270608.7
	0.0	-28452.5	1914.3	1076500.5	-45128.7	-2398195.6
44.	0.0	-28151.9	1924.3	908187.9	-62520.2	-2521457.7
	0.0	-27974.3	1914.3	1076283.4	-62048.6	-2647568.3
53.	0.0	-27697.1	1924.3	907901.5	-79528.9	-2768276.4
	0.0	-27497.3	1914.3	1076087.0	-78968.9	-2892720.0
62.	0.0	-27243.9	1924.4	907632.7	-96538.0	-3011082.8
	0.0	-27020.8	1914.4	1075911.4	-95889.6	-3133658.1
71.	0.0	-26791.5	1924.4	907381.3	-113547.4	-3249887.6
	0.0	-26543.7	1914.4	1075756.6	-112810.6	-3370382.4
Asta	365	nodì	116	154		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-664.2	-26501.2	370.3	-730958.8	8373.9	12628.3
	-665.2	-26502.8	41.5	-381851.8	5801.2	13122.7
6.	-664.2	-26048.1	370.2	-730966.3	6059.6	-151588.5
	-665.2	-26048.7	41.5	-381810.2	5541.9	-151101.2
13.	-664.2	-25594.5	370.2	-730980.8	3745.9	-312971.7
	-665.2	-25594.2	41.4	-381772.2	5282.7	-312485.7
19.	-664.2	-25140.6	370.1	-731002.4	1432.7	-471519.2
	-665.2	-25139.4	41.4	-381737.9	5023.8	-471028.4
25.	-664.2	-24686.5	370.0	-731031.0	-880.2	-627229.3
	-665.2	-24684.3	41.4	-381707.3	4765.1	-626727.4
31.	-664.2	-24232.2	370.0	-731066.7	-3192.8	-780100.5
	-665.2	-24228.9	41.4	-381680.4	4506.5	-779581.3
38.	-664.2	-23777.5	370.0	-731109.5	-5505.2	-930131.1
	-665.2	-23773.2	41.4	-381657.2	4248.0	-929588.1
44.	-664.2	-23322.4	370.0	-731159.2	-7817.5	-1077318.7
	-665.2	-23317.0	41.3	-381637.6	3989.5	-1076745.2
50.	-664.2	-22866.6	370.0	-731216.1	-10129.7	-1221659.6
	-665.2	-22860.1	41.3	-381621.7	3731.1	-1221048.9
Asta	366	nodì	142	155		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-756.6	-35372.1	314.7	1716295.6	-330.6	35207.2
	-754.8	-35310.3	-191.0	2043623.0	-4641.5	34974.4
6.	-756.6	-34921.3	314.6	1716214.9	-2297.2	-184459.6
	-754.8	-34863.2	-191.0	2043594.3	-3447.8	-184318.1
13.	-756.6	-34470.4	314.6	1716150.7	-4263.7	-401308.6
	-754.8	-34416.0	-190.9	2043585.4	-2254.4	-400815.8
19.	-756.6	-34019.6	314.6	1716103.0	-6230.0	-615339.9
	-754.8	-33968.9	-190.9	2043596.2	-1061.4	-614518.7
25.	-756.6	-33569.0	314.6	1716071.9	-8196.3	-826554.1
	-754.8	-33522.0	-190.8	2043626.7	131.4	-825427.6
31.	-756.6	-33118.5	314.6	1716057.4	-10162.5	-1034952.3
	-754.8	-33075.1	-190.8	2043676.8	1324.0	-1033543.5
38.	-756.6	-32668.0	314.6	1716059.4	-12128.6	-1240535.2
	-754.8	-32628.4	-190.8	2043746.7	2516.4	-1238867.0
44.	-756.6	-32217.4	314.6	1716077.9	-14094.8	-1443302.5
	-754.8	-32181.4	-190.8	2043836.3	3708.7	-1441397.9
50.	-756.6	-31766.4	314.6	1716113.0	-16060.9	-1643252.3
	-754.8	-31734.1	-190.8	2043945.6	4901.0	-1641134.1
Asta	367	nodì	118	156		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	-33319.8	-2540.4	-2377317.8	-22161.7	-2896098.4
	0.0	-33409.7	-2551.4	-2230343.3	-19531.2	-2775807.4
9.	0.0	-32860.5	-2540.4	-2376874.1	292.2	-3188573.2
	0.0	-32962.7	-2551.3	-2229817.2	3019.7	-3069130.3
18.	0.0	-32405.8	-2540.3	-2376476.3	22745.9	-3477008.7
	0.0	-32521.5	-2551.3	-2229334.1	25570.6	-3358528.2
27.	0.0	-31955.5	-2540.3	-2376124.3	45199.6	-3761445.2
	0.0	-32085.8	-2551.3	-2228893.9	48121.3	-3644051.0
35.	0.0	-31509.1	-2540.4	-2375818.1	67653.4	-4041919.4
	0.0	-31655.2	-2551.4	-2228496.7	70672.2	-3925745.6
44.	0.0	-31065.9	-2540.4	-2375557.7	90107.4	-4318462.6
	0.0	-31228.9	-2551.4	-2228142.5	93223.4	-4203653.6
53.	0.0	-30625.0	-2540.5	-2375343.2	112562.0	-4591099.1
	0.0	-30806.1	-2551.5	-2227831.2	115775.1	-4477809.7
62.	0.0	-30185.2	-2540.5	-2375174.4	135017.2	-4859844.0
	0.0	-30385.6	-2551.5	-2227562.9	138327.4	-4748239.9
71.	0.0	-29745.2	-2540.6	-2375051.4	157472.8	-5124701.8
	0.0	-29966.2	-2551.6	-2227337.6	160880.2	-5014959.4
Asta	368	nodì	119	157		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1248.7	-22608.1	3904.3	1669212.2	-108962.5	123420.3
	-1191.3	-22699.2	3816.8	1653257.8	-109645.5	130157.4
6.	-1248.7	-22138.6	3906.3	1669109.4	-133370.3	-16410.5
	-1191.3	-22231.1	3818.7	1653154.1	-133506.5	-10246.8
13.	-1248.7	-21674.1	3908.5	1669022.7	-157791.4	-153322.5
	-1191.3	-21768.9	3821.0	1653066.3	-157380.5	-147743.7
19.	-1248.7	-21214.7	3911.1	1668952.1	-182227.5	-287347.2
	-1191.3	-21312.5	3823.5	1652994.4	-181269.1	-282369.9
25.	-1248.7	-20760.4	3913.9	1668897.6	-206680.4	-418516.5
	-1191.3	-20862.2	3826.2	1652938.5	-205174.3	-414162.9

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31.	-1248.7	-20311.3	3917.1	1668859.2	-231152.1	-546862.7
	-1191.3	-20417.9	3829.3	1652898.5	-229097.8	-543160.1
38.	-1248.7	-19867.2	3920.5	1668836.9	-255644.3	-672417.9
	-1191.3	-19979.5	3832.7	1652874.5	-253041.4	-669398.9
44.	-1248.7	-19428.2	3924.2	1668830.7	-280158.7	-795213.3
	-1191.3	-19547.0	3836.3	1652866.3	-277006.9	-792916.2
50.	-1248.7	-18993.9	3928.1	1668840.5	-304696.9	-915279.7
	-1191.3	-19120.1	3840.2	1652874.2	-300995.8	-913747.8
Asta	369	nodì	158	131		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	23615.2	6274.9	611510.0	212887.4	-3368808.7
	0.0	23803.5	6279.8	425120.2	215475.3	-3240288.5
9.	0.0	24075.3	6274.9	611257.2	157424.4	-3158046.3
	0.0	24241.6	6279.7	424980.4	159969.6	-3027960.2
18.	0.0	24538.8	6274.8	611016.2	101962.1	-2943202.8
	0.0	24684.4	6279.6	424848.8	104464.7	-2811739.3
27.	0.0	25006.7	6274.7	610787.0	46500.6	-2724244.1
	0.0	25132.7	6279.5	424725.3	48960.6	-2591581.2
35.	0.0	25479.5	6274.7	610569.6	-8960.3	-2501128.5
	0.0	25587.2	6279.5	424610.1	-6543.0	-2367433.9
44.	0.0	25958.1	6274.7	610363.9	-64421.3	-2273808.5
	0.0	26048.5	6279.5	424503.0	-62046.6	-2139239.6
53.	0.0	26442.7	6274.8	610170.0	-119882.9	-2042232.2
	0.0	26516.9	6279.6	424404.1	-117550.8	-1906936.7
62.	0.0	26933.6	6274.9	609987.9	-175345.4	-1806344.6
	0.0	26992.8	6279.7	424313.5	-173055.8	-1670460.5
71.	0.0	27431.0	6275.0	609817.6	-230808.6	-1566089.4
	0.0	27476.1	6279.8	424230.9	-228561.6	-1429745.4
Asta	370	nodì	162	133		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1926.4	22228.8	236.0	669365.8	-3053.5	-3856111.3
	-2095.6	22202.6	334.1	496143.0	1951.8	-4001935.7
9.	-1926.4	22611.6	236.0	669669.5	-5139.3	-3657947.7
	-2095.6	22593.8	334.1	496535.5	-1001.2	-3803965.9
18.	-1926.4	23001.4	235.9	669986.0	-7224.8	-3456370.7
	-2095.6	22991.2	334.1	496937.7	-3954.1	-3602511.8
27.	-1926.4	23399.4	235.9	670315.5	-9310.0	-3251312.7
	-2095.6	23395.7	334.0	497349.4	-6906.7	-3397514.3
35.	-1926.4	23806.3	235.8	670657.9	-11394.5	-3042698.1
	-2095.6	23808.3	334.0	497770.7	-9858.8	-3188906.3
44.	-1926.4	24222.9	235.7	671013.3	-13478.4	-2830444.2
	-2095.6	24229.7	333.9	498201.7	-12810.4	-2976613.2
53.	-1926.4	24649.7	235.6	671381.6	-15561.3	-2614463.2
	-2095.6	24660.3	333.8	498642.2	-15761.4	-2760554.9
62.	-1926.4	25087.1	235.5	671762.8	-17643.1	-2394663.1
	-2095.6	25100.7	333.7	499092.3	-18711.5	-2540647.3
71.	-1926.4	25535.3	235.3	672156.9	-19723.5	-2170949.4
	-2095.6	25551.1	333.6	499552.1	-21660.8	-2316803.0
Asta	371	nodì	161	134		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1903.1	21635.9	-278.3	-470762.9	-2467.2	-3761724.9
	-1738.2	21651.5	-182.2	-642690.0	2385.4	-3612280.3
9.	-1903.1	22022.8	-278.3	-471150.9	-7.5	-3568782.9
	-1738.2	22029.3	-182.2	-642990.9	3995.7	-3419241.0
18.	-1903.1	22415.5	-278.3	-471548.0	2452.1	-3372396.1
	-1738.2	22413.8	-182.1	-643304.1	5605.8	-3222833.6
27.	-1903.1	22814.9	-278.2	-471954.3	4911.3	-3172509.1
	-1738.2	22806.1	-182.1	-643629.8	7215.5	-3022994.0
35.	-1903.1	23221.9	-278.1	-472369.6	7370.1	-2969058.8
	-1738.2	23206.8	-182.0	-643967.8	8824.5	-2819650.5
44.	-1903.1	23637.1	-278.1	-472794.1	9828.2	-2761975.3
	-1738.2	23616.7	-181.9	-644318.3	10432.8	-2612725.1
53.	-1903.1	24061.1	-278.0	-473227.7	12285.7	-2551183.4
	-1738.2	24036.2	-181.8	-644681.3	12040.2	-2402134.6
62.	-1903.1	24494.2	-277.9	-473670.4	14742.3	-2336604.1
	-1738.2	24465.6	-181.6	-645056.6	13646.3	-2187792.3
71.	-1903.1	24936.6	-277.7	-474122.2	17197.8	-2118155.7
	-1738.2	24905.3	-181.5	-645444.3	15251.0	-1969609.3
Asta	372	nodì	160	136		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	21980.6	-5759.3	-923422.8	-161914.9	-2676305.7
	0.0	21826.4	-5845.1	-1112099.9	-162614.4	-2805500.7
9.	0.0	22374.7	-5759.3	-923345.7	-111009.1	-2480284.1
	0.0	22242.8	-5845.1	-1111910.1	-110950.7	-2610742.4
18.	0.0	22773.1	-5759.2	-923286.5	-60103.9	-2280760.9
	0.0	22662.2	-5845.0	-1111741.7	-59287.5	-2412290.9
27.	0.0	23176.4	-5759.2	-923245.1	-9199.4	-2077694.8
	0.0	23085.5	-5844.9	-1111594.8	-7625.0	-2210115.7
35.	0.0	23585.5	-5759.2	-923221.5	41704.9	-1871038.8
	0.0	23513.3	-5844.9	-1111469.2	44037.3	-2004179.7
44.	0.0	24000.5	-5759.2	-923215.6	92609.4	-1660741.1
	0.0	23946.0	-5845.0	-1111365.1	95699.7	-1794441.1
53.	0.0	24422.0	-5759.3	-923227.6	143514.5	-1446746.4
	0.0	24384.0	-5845.1	-1111282.5	147362.9	-1580854.4
62.	0.0	24850.0	-5759.4	-923257.4	194420.6	-1228997.7
	0.0	24827.5	-5845.2	-1111221.2	199027.0	-1363371.9
71.	0.0	25284.5	-5759.5	-923305.0	245327.4	-1007437.5
	0.0	25276.5	-5845.2	-1111181.4	250691.8	-1141945.4
Asta	373	nodì	159	147		

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PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2360.2	13617.3	-2067.3	-974139.7	-261542.2	-651227.3
	-2431.4	13758.6	-2119.8	-990229.9	-267451.5	-663914.9
6.	-2360.2	13993.5	-2064.7	-974075.9	-248629.7	-564946.0
	-2431.4	14141.9	-2117.1	-990162.6	-254211.5	-576727.7
13.	-2360.2	14374.1	-2062.3	-974021.5	-235732.8	-476299.6
	-2431.4	14528.9	-2114.6	-990104.8	-240987.5	-487133.4
19.	-2360.2	14759.4	-2060.2	-973976.5	-222850.2	-385259.9
	-2431.4	14919.7	-2112.4	-990056.6	-227778.2	-395108.4
25.	-2360.2	15149.2	-2058.2	-973940.8	-209980.5	-291797.9
	-2431.4	15314.4	-2110.4	-990017.9	-214582.2	-300628.9
31.	-2360.2	15543.8	-2056.5	-973914.6	-197122.1	-195884.5
	-2431.4	15713.0	-2108.6	-989988.8	-201398.0	-203670.4
38.	-2360.2	15943.1	-2055.0	-973897.7	-184273.8	-97490.1
	-2431.4	16115.5	-2107.1	-989969.2	-188224.1	-104208.3
44.	-2360.2	16347.1	-2053.8	-973890.3	-171433.9	3414.4
	-2431.4	16521.9	-2105.8	-989959.2	-175058.9	-2218.2
50.	-2360.2	16755.6	-2052.8	-973892.2	-158601.0	106858.0
	-2431.4	16932.2	-2104.8	-989958.7	-161901.0	102323.9

Asta	394	nod	197	170		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	179.3	176.3	-1709.5	3405.1	-259647.6	-82662.1
	-531.9	-3.9	-3775.9	4246.6	-1253306.0	-39778.5
43.	179.3	176.3	-1709.5	3405.1	-186992.5	-75167.7
	-531.9	-3.9	-3775.9	4246.6	-1092831.3	-39943.9
85.	179.3	176.3	-1709.5	3405.1	-114337.4	-67673.4
	-531.9	-3.9	-3775.9	4246.6	-932356.7	-40109.3
128.	179.3	176.3	-1709.5	3405.1	-41682.4	-60179.1
	-531.9	-3.9	-3775.9	4246.6	-771882.0	-40274.7
170.	179.3	176.3	-1709.5	3405.1	30972.7	-52684.8
	-531.9	-3.9	-3775.9	4246.6	-611407.4	-40440.2
213.	179.3	176.3	-1709.5	3405.1	103627.8	-45190.5
	-531.9	-3.9	-3775.9	4246.6	-450932.7	-40605.6
255.	179.3	176.3	-1709.5	3405.1	176282.9	-37696.2
	-531.9	-3.9	-3775.9	4246.6	-290458.1	-40771.0
298.	179.3	176.3	-1709.5	3405.1	248938.0	-30201.9
	-531.9	-3.9	-3775.9	4246.6	-129983.4	-40936.4
340.	179.3	176.3	-1709.5	3405.1	321593.1	-22707.6
	-531.9	-3.9	-3775.9	4246.6	30491.3	-41101.9

Asta	395	nod	198	171		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3332.3	4883.3	-9686.1	152.9	-3013010.6	-1520190.8
	-2482.4	2265.1	-9747.9	1108.0	-3042422.8	-437756.8
43.	-3332.3	4883.3	-9686.1	152.9	-2601350.0	-1312649.1
	-2482.4	2265.1	-9747.9	1108.0	-2628136.5	-341489.7
85.	-3332.3	4883.3	-9686.1	152.9	-2189689.4	-1105107.4
	-2482.4	2265.1	-9747.9	1108.0	-2213850.3	-245222.5
128.	-3332.3	4883.3	-9686.1	152.9	-1778028.8	-897565.7
	-2482.4	2265.1	-9747.9	1108.0	-1799564.0	-148955.4
170.	-3332.3	4883.3	-9686.1	152.9	-1366368.2	-690024.0
	-2482.4	2265.1	-9747.9	1108.0	-1385277.7	-52688.2
213.	-3332.3	4883.3	-9686.1	152.9	-954707.6	-482482.3
	-2482.4	2265.1	-9747.9	1108.0	-970991.4	43579.0
255.	-3332.3	4883.3	-9686.1	152.9	-543047.0	-274940.6
	-2482.4	2265.1	-9747.9	1108.0	-556705.2	139846.1
298.	-3332.3	4883.3	-9686.1	152.9	-131386.4	-67398.9
	-2482.4	2265.1	-9747.9	1108.0	-142418.9	236113.3
340.	-3332.3	4883.3	-9686.1	152.9	280274.2	140142.8
	-2482.4	2265.1	-9747.9	1108.0	271867.4	332380.5

Asta	396	nod	199	172		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2532.3	10490.2	-2407.5	-1552.4	-423527.9	-3288023.0
	-3372.1	10410.3	-5016.1	-616.9	-1503202.1	-3253194.8
43.	-2532.3	10490.2	-2407.5	-1552.4	-321207.7	-2842188.9
	-3372.1	10410.3	-5016.1	-616.9	-1290017.5	-2810755.7
85.	-2532.3	10490.2	-2407.5	-1552.4	-218887.4	-2396354.7
	-3372.1	10410.3	-5016.1	-616.9	-1076832.8	-2368316.6
128.	-2532.3	10490.2	-2407.5	-1552.4	-116567.2	-1950520.5
	-3372.1	10410.3	-5016.1	-616.9	-863648.2	-1925877.5
170.	-2532.3	10490.2	-2407.5	-1552.4	-14247.0	-1504686.4
	-3372.1	10410.3	-5016.1	-616.9	-650463.6	-1483438.4
213.	-2532.3	10490.2	-2407.5	-1552.4	88073.3	-1058852.2
	-3372.1	10410.3	-5016.1	-616.9	-437278.9	-1040999.3
255.	-2532.3	10490.2	-2407.5	-1552.4	190393.5	-613018.0
	-3372.1	10410.3	-5016.1	-616.9	-224094.3	-598560.2
298.	-2532.3	10490.2	-2407.5	-1552.4	292713.7	-167183.8
	-3372.1	10410.3	-5016.1	-616.9	-10909.7	-156121.2
340.	-2532.3	10490.2	-2407.5	-1552.4	395034.0	278650.3
	-3372.1	10410.3	-5016.1	-616.9	202274.9	286317.9

Asta	397	nod	200	168		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1806.9	3663.2	-1309.3	-5585.2	-601249.9	-1225340.9
	-1113.9	1603.5	-1489.5	-4771.7	-642021.0	-223948.3
43.	-1806.9	3663.2	-1309.3	-5585.2	-545603.6	-1069655.1
	-1113.9	1603.5	-1489.5	-4771.7	-578719.2	-155799.3
85.	-1806.9	3663.2	-1309.3	-5585.2	-489957.3	-913969.3
	-1113.9	1603.5	-1489.5	-4771.7	-515417.4	-87650.3
128.	-1806.9	3663.2	-1309.3	-5585.2	-434311.1	-758283.5
	-1113.9	1603.5	-1489.5	-4771.7	-452115.6	-19501.4
170.	-1806.9	3663.2	-1309.3	-5585.2	-378664.8	-602597.8

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213.	-1113.9	1603.5	-1489.5	-4771.7	-388813.8	48647.6
	-1806.9	3663.2	-1309.3	-5585.2	-323018.5	-446912.0
255.	-1113.9	1603.5	-1489.5	-4771.7	-325512.0	116796.5
	-1806.9	3663.2	-1309.3	-5585.2	-267372.2	-291226.2
298.	-1113.9	1603.5	-1489.5	-4771.7	-262210.2	184945.5
	-1806.9	3663.2	-1309.3	-5585.2	-211725.9	-135540.4
340.	-1113.9	1603.5	-1489.5	-4771.7	-198908.4	253094.5
	-1806.9	3663.2	-1309.3	-5585.2	-156079.6	20145.4
	-1113.9	1603.5	-1489.5	-4771.7	-135606.7	321243.4
Asta	398	nodì	205	163		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-102.2	1433.8	-3292.9	-2473.0	-793446.6	-81009.0
	-874.1	3639.0	-3098.2	-1551.7	-713567.2	-1142444.9
43.	-102.2	1433.8	-3292.9	-2473.0	-653500.2	-20071.9
	-874.1	3639.0	-3098.2	-1551.7	-581892.8	-987785.8
85.	-102.2	1433.8	-3292.9	-2473.0	-513553.7	40865.1
	-874.1	3639.0	-3098.2	-1551.7	-450218.5	-833126.6
128.	-102.2	1433.8	-3292.9	-2473.0	-373607.3	101802.2
	-874.1	3639.0	-3098.2	-1551.7	-318544.2	-678467.4
170.	-102.2	1433.8	-3292.9	-2473.0	-233660.9	162739.2
	-874.1	3639.0	-3098.2	-1551.7	-186869.8	-523808.3
213.	-102.2	1433.8	-3292.9	-2473.0	-93714.4	223676.3
	-874.1	3639.0	-3098.2	-1551.7	-55195.5	-369149.1
255.	-102.2	1433.8	-3292.9	-2473.0	46232.0	284613.4
	-874.1	3639.0	-3098.2	-1551.7	76478.9	-214490.0
298.	-102.2	1433.8	-3292.9	-2473.0	186178.5	345550.4
	-874.1	3639.0	-3098.2	-1551.7	208153.2	-59830.8
340.	-102.2	1433.8	-3292.9	-2473.0	326124.9	406487.5
	-874.1	3639.0	-3098.2	-1551.7	339827.6	94828.3
Asta	399	nodì	204	164		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-24888.5	3332.4	-790.5	-39.4	-421452.3	-722126.7
	-24913.0	3316.3	1932.5	656.3	644938.0	-712401.7
43.	-24888.5	3332.4	-790.5	-39.4	-387857.8	-580500.3
	-24913.0	3316.3	1932.5	656.3	562807.0	-571459.7
85.	-24888.5	3332.4	-790.5	-39.4	-354263.4	-438873.9
	-24913.0	3316.3	1932.5	656.3	480676.0	-430517.7
128.	-24888.5	3332.4	-790.5	-39.4	-320668.9	-297247.5
	-24913.0	3316.3	1932.5	656.3	398545.0	-289575.7
170.	-24888.5	3332.4	-790.5	-39.4	-287074.5	-155621.1
	-24913.0	3316.3	1932.5	656.3	316414.0	-148633.6
213.	-24888.5	3332.4	-790.5	-39.4	-253480.0	-13994.7
	-24913.0	3316.3	1932.5	656.3	234283.0	-7691.6
255.	-24888.5	3332.4	-790.5	-39.4	-219885.5	127631.7
	-24913.0	3316.3	1932.5	656.3	152152.0	133250.4
298.	-24888.5	3332.4	-790.5	-39.4	-186291.1	269258.1
	-24913.0	3316.3	1932.5	656.3	70021.0	274192.5
340.	-24888.5	3332.4	-790.5	-39.4	-152696.6	410884.5
	-24913.0	3316.3	1932.5	656.3	-12110.0	415134.5
Asta	400	nodì	203	165		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-22547.9	3934.3	-3503.9	-700.4	-1256339.5	-897994.7
	-22435.4	3936.3	-826.2	-237.5	-202132.1	-900124.6
43.	-22547.9	3934.3	-3503.9	-700.4	-1107421.8	-730786.6
	-22435.4	3936.3	-826.2	-237.5	-167020.4	-732833.7
85.	-22547.9	3934.3	-3503.9	-700.4	-958504.0	-563578.5
	-22435.4	3936.3	-826.2	-237.5	-131908.7	-565542.7
128.	-22547.9	3934.3	-3503.9	-700.4	-809586.3	-396370.5
	-22435.4	3936.3	-826.2	-237.5	-96797.0	-398251.8
170.	-22547.9	3934.3	-3503.9	-700.4	-660668.6	-229162.4
	-22435.4	3936.3	-826.2	-237.5	-61685.3	-230960.8
213.	-22547.9	3934.3	-3503.9	-700.4	-511750.9	-61954.3
	-22435.4	3936.3	-826.2	-237.5	-26573.6	-63669.9
255.	-22547.9	3934.3	-3503.9	-700.4	-362833.1	105253.7
	-22435.4	3936.3	-826.2	-237.5	8538.1	103621.1
298.	-22547.9	3934.3	-3503.9	-700.4	-213915.4	272461.8
	-22435.4	3936.3	-826.2	-237.5	43649.8	270912.0
340.	-22547.9	3934.3	-3503.9	-700.4	-64997.7	439669.9
	-22435.4	3936.3	-826.2	-237.5	78761.5	438202.9
Asta	401	nodì	202	166		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3573.6	4413.8	-2606.3	1669.0	-1013677.4	-983048.4
	-2907.3	4571.8	-559.0	2783.9	1900.0	-1052635.6
43.	-3573.6	4413.8	-2606.3	1669.0	-902907.7	-795462.8
	-2907.3	4571.8	-559.0	2783.9	25657.3	-858333.2
85.	-3573.6	4413.8	-2606.3	1669.0	-792138.0	-607877.2
	-2907.3	4571.8	-559.0	2783.9	49414.6	-664030.9
128.	-3573.6	4413.8	-2606.3	1669.0	-681368.3	-420291.6
	-2907.3	4571.8	-559.0	2783.9	73171.9	-469728.5
170.	-3573.6	4413.8	-2606.3	1669.0	-570598.7	-232706.0
	-2907.3	4571.8	-559.0	2783.9	96929.2	-275426.2
213.	-3573.6	4413.8	-2606.3	1669.0	-459829.0	-45120.3
	-2907.3	4571.8	-559.0	2783.9	120686.5	-81123.8
255.	-3573.6	4413.8	-2606.3	1669.0	-349059.3	142465.3
	-2907.3	4571.8	-559.0	2783.9	144443.8	113178.6
298.	-3573.6	4413.8	-2606.3	1669.0	-238289.6	330050.9
	-2907.3	4571.8	-559.0	2783.9	168201.1	307480.9
340.	-3573.6	4413.8	-2606.3	1669.0	-127519.9	517636.5
	-2907.3	4571.8	-559.0	2783.9	191958.4	501783.3

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Asta PROGR.	402 NORM	nod TY	206 TZZ	169 TORS	MY	MZ
0.	-31577.2	-3219.7	2982.7	-6008.4	798846.8	510762.9
	-31989.3	-3372.0	3033.0	-5653.9	804439.0	556912.5
43.	-31577.2	-3219.7	2982.7	-6008.4	672083.1	373925.7
	-31989.3	-3372.0	3033.0	-5653.9	675534.7	413602.4
85.	-31577.2	-3219.7	2982.7	-6008.4	545319.5	237088.5
	-31989.3	-3372.0	3033.0	-5653.9	546630.4	270292.3
128.	-31577.2	-3219.7	2982.7	-6008.4	418555.8	100251.3
	-31989.3	-3372.0	3033.0	-5653.9	417726.1	126982.2
170.	-31577.2	-3219.7	2982.7	-6008.4	291792.2	-36585.9
	-31989.3	-3372.0	3033.0	-5653.9	288821.8	-16327.9
213.	-31577.2	-3219.7	2982.7	-6008.4	165028.5	-173423.1
	-31989.3	-3372.0	3033.0	-5653.9	159917.5	-159638.0
255.	-31577.2	-3219.7	2982.7	-6008.4	38264.9	-310260.3
	-31989.3	-3372.0	3033.0	-5653.9	31013.2	-302948.1
298.	-31577.2	-3219.7	2982.7	-6008.4	-88498.8	-447097.5
	-31989.3	-3372.0	3033.0	-5653.9	-97891.2	-446258.2
340.	-31577.2	-3219.7	2982.7	-6008.4	-215262.5	-583934.7
	-31989.3	-3372.0	3033.0	-5653.9	-226795.5	-589568.3

Asta PROGR.	403 NORM	nod TY	201 TZZ	167 TORS	MY	MZ
0.	-14819.8	3043.8	4094.6	7253.8	1143213.7	-614442.9
	-13799.6	2918.0	4056.6	5581.0	1140589.1	-575534.1
43.	-14819.8	3043.8	4094.6	7253.8	969193.4	-485080.3
	-13799.6	2918.0	4056.6	5581.0	968183.1	-451520.6
85.	-14819.8	3043.8	4094.6	7253.8	795173.2	-355717.6
	-13799.6	2918.0	4056.6	5581.0	795777.0	-327507.2
128.	-14819.8	3043.8	4094.6	7253.8	621152.9	-226354.9
	-13799.6	2918.0	4056.6	5581.0	623371.0	-203493.7
170.	-14819.8	3043.8	4094.6	7253.8	447132.7	-96992.3
	-13799.6	2918.0	4056.6	5581.0	450964.9	-79480.3
213.	-14819.8	3043.8	4094.6	7253.8	273112.5	32370.4
	-13799.6	2918.0	4056.6	5581.0	278558.8	44533.2
255.	-14819.8	3043.8	4094.6	7253.8	99092.2	161733.0
	-13799.6	2918.0	4056.6	5581.0	106152.8	168546.6
298.	-14819.8	3043.8	4094.6	7253.8	-74928.0	291095.7
	-13799.6	2918.0	4056.6	5581.0	-66253.3	292560.0
340.	-14819.8	3043.8	4094.6	7253.8	-248948.2	420458.4
	-13799.6	2918.0	4056.6	5581.0	-238659.4	416573.5

Asta PROGR.	404 NORM	nod TY	1 TZZ	205 TORS	MY	MZ
0.	-47.0	6019.4	150.8	44870.7	821.0	-494741.8
	-44.3	5916.9	149.7	49298.4	851.5	-496186.8
9.	-47.0	6019.4	150.8	44870.7	-512.1	-441537.6
	-44.3	5916.9	149.7	49298.4	-471.9	-443888.4
18.	-47.0	6019.4	150.8	44870.7	-1845.1	-388333.4
	-44.3	5916.9	149.7	49298.4	-1795.3	-391590.0
27.	-47.0	6019.4	150.8	44870.7	-3178.2	-335129.2
	-44.3	5916.9	149.7	49298.4	-3118.7	-339291.6
35.	-47.0	6019.4	150.8	44870.7	-4511.3	-281925.1
	-44.3	5916.9	149.7	49298.4	-4442.1	-286993.2
44.	-47.0	6019.4	150.8	44870.7	-5844.3	-228720.9
	-44.3	5916.9	149.7	49298.4	-5765.5	-234694.8
53.	-47.0	6019.4	150.8	44870.7	-7177.4	-175516.7
	-44.3	5916.9	149.7	49298.4	-7088.9	-182396.4
62.	-47.0	6019.4	150.8	44870.7	-8510.5	-122312.5
	-44.3	5916.9	149.7	49298.4	-8412.3	-130098.0
71.	-47.0	6019.4	150.8	44870.7	-9843.5	-69108.4
	-44.3	5916.9	149.7	49298.4	-9735.7	-77799.6

Asta PROGR.	405 NORM	nod TY	5 TZZ	204 TORS	MY	MZ
0.	-52.7	-6616.2	-38.9	4987.9	-368.6	87206.9
	-53.1	-6613.0	-30.6	17324.7	-314.9	87165.6
6.	-52.7	-6616.2	-38.9	4987.9	-125.6	45856.0
	-53.1	-6613.0	-30.6	17324.7	-123.8	45834.4
13.	-52.7	-6616.2	-38.9	4987.9	117.4	4505.0
	-53.1	-6613.0	-30.6	17324.7	67.2	4503.3
19.	-52.7	-6616.2	-38.9	4987.9	360.4	-36845.9
	-53.1	-6613.0	-30.6	17324.7	258.2	-36827.9
25.	-52.7	-6616.2	-38.9	4987.9	603.4	-78196.9
	-53.1	-6613.0	-30.6	17324.7	449.3	-78159.0
31.	-52.7	-6616.2	-38.9	4987.9	846.4	-119547.8
	-53.1	-6613.0	-30.6	17324.7	640.3	-119490.2
38.	-52.7	-6616.2	-38.9	4987.9	1089.3	-160898.8
	-53.1	-6613.0	-30.6	17324.7	831.3	-160821.3
44.	-52.7	-6616.2	-38.9	4987.9	1332.3	-202249.7
	-53.1	-6613.0	-30.6	17324.7	1022.4	-202152.5
50.	-52.7	-6616.2	-38.9	4987.9	1575.3	-243600.7
	-53.1	-6613.0	-30.6	17324.7	1213.4	-243483.6

Asta PROGR.	406 NORM	nod TY	57 TZZ	203 TORS	MY	MZ
0.	-72.9	-6761.4	30.9	137817.9	415.6	93007.6
	-71.9	-6754.4	61.9	151025.2	606.1	92908.2
6.	-72.9	-6761.4	30.9	137817.9	222.5	50748.8
	-71.9	-6754.4	61.9	151025.2	219.3	50693.4
13.	-72.9	-6761.4	30.9	137817.9	29.5	8490.0
	-71.9	-6754.4	61.9	151025.2	-167.5	8478.7
19.	-72.9	-6761.4	30.9	137817.9	-163.6	-33768.9
	-71.9	-6754.4	61.9	151025.2	-554.4	-33736.1

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25.	-72.9	-6761.4	30.9	137817.9	-356.6	-76027.7
	-71.9	-6754.4	61.9	151025.2	-941.2	-75950.9
31.	-72.9	-6761.4	30.9	137817.9	-549.7	-118286.5
	-71.9	-6754.4	61.9	151025.2	-1328.0	-118165.6
38.	-72.9	-6761.4	30.9	137817.9	-742.7	-160545.4
	-71.9	-6754.4	61.9	151025.2	-1714.9	-160380.4
44.	-72.9	-6761.4	30.9	137817.9	-935.8	-202804.2
	-71.9	-6754.4	61.9	151025.2	-2101.7	-202595.2
50.	-72.9	-6761.4	30.9	137817.9	-1128.8	-245063.0
	-71.9	-6754.4	61.9	151025.2	-2488.5	-244809.9
Asta	407	nodì	9	202		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-42.8	2945.8	-711.0	25431.6	-37946.5	-364881.6
	-43.8	3086.0	313.0	27967.3	34783.4	-365891.1
9.	-42.8	2945.8	-711.0	25431.6	-31662.4	-338844.5
	-43.8	3086.0	313.0	27967.3	32016.8	-338614.0
18.	-42.8	2945.8	-711.0	25431.6	-25378.2	-312807.4
	-43.8	3086.0	313.0	27967.3	29250.2	-311337.0
27.	-42.8	2945.8	-711.0	25431.6	-19094.1	-286770.3
	-43.8	3086.0	313.0	27967.3	26483.6	-284060.0
35.	-42.8	2945.8	-711.0	25431.6	-12809.9	-260733.2
	-43.8	3086.0	313.0	27967.3	23717.0	-256783.0
44.	-42.8	2945.8	-711.0	25431.6	-6525.7	-234696.1
	-43.8	3086.0	313.0	27967.3	20950.4	-229506.0
53.	-42.8	2945.8	-711.0	25431.6	-241.6	-208659.0
	-43.8	3086.0	313.0	27967.3	18183.8	-202229.0
62.	-42.8	2945.8	-711.0	25431.6	6042.6	-182621.9
	-43.8	3086.0	313.0	27967.3	15417.2	-174952.0
71.	-42.8	2945.8	-711.0	25431.6	12326.7	-156584.8
	-43.8	3086.0	313.0	27967.3	12650.6	-147674.9
Asta	408	nodì	11	201		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	9.2	4109.4	-633.1	-168499.4	18278.0	-542604.7
	8.3	4168.1	-1521.3	-168872.8	-29876.4	-537100.1
6.	9.2	4109.4	-633.1	-168499.4	22234.7	-516921.0
	8.3	4168.1	-1521.3	-168872.8	-20368.1	-511049.5
13.	9.2	4109.4	-633.1	-168499.4	26191.4	-491237.2
	8.3	4168.1	-1521.3	-168872.8	-10859.8	-484998.8
19.	9.2	4109.4	-633.1	-168499.4	30148.1	-465553.5
	8.3	4168.1	-1521.3	-168872.8	-1351.6	-458948.2
25.	9.2	4109.4	-633.1	-168499.4	34104.7	-439869.7
	8.3	4168.1	-1521.3	-168872.8	8156.7	-432897.5
31.	9.2	4109.4	-633.1	-168499.4	38061.4	-414185.9
	8.3	4168.1	-1521.3	-168872.8	17665.0	-406846.9
38.	9.2	4109.4	-633.1	-168499.4	42018.1	-388502.2
	8.3	4168.1	-1521.3	-168872.8	27173.3	-380796.2
44.	9.2	4109.4	-633.1	-168499.4	45974.8	-362818.4
	8.3	4168.1	-1521.3	-168872.8	36681.6	-354745.6
50.	9.2	4109.4	-633.1	-168499.4	49931.5	-337134.6
	8.3	4168.1	-1521.3	-168872.8	46189.9	-328694.9
Asta	409	nodì	200	35		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.5	-2775.6	398.0	138987.6	18042.2	-107276.2
	-2.6	-2926.3	141.1	135743.4	17922.9	-97914.1
9.	0.5	-2775.6	398.0	138987.6	14524.0	-131809.0
	-2.6	-2926.3	141.1	135743.4	16675.9	-123779.3
18.	0.5	-2775.6	398.0	138987.6	11005.7	-156341.8
	-2.6	-2926.3	141.1	135743.4	15428.9	-149644.6
27.	0.5	-2775.6	398.0	138987.6	7487.5	-180874.6
	-2.6	-2926.3	141.1	135743.4	14181.9	-175509.8
35.	0.5	-2775.6	398.0	138987.6	3969.2	-205407.3
	-2.6	-2926.3	141.1	135743.4	12935.0	-201375.0
44.	0.5	-2775.6	398.0	138987.6	451.0	-229940.1
	-2.6	-2926.3	141.1	135743.4	11688.0	-227240.3
53.	0.5	-2775.6	398.0	138987.6	-3067.3	-254472.9
	-2.6	-2926.3	141.1	135743.4	10441.0	-253105.5
62.	0.5	-2775.6	398.0	138987.6	-6585.5	-279005.7
	-2.6	-2926.3	141.1	135743.4	9194.1	-278970.7
71.	0.5	-2775.6	398.0	138987.6	-10103.8	-303538.4
	-2.6	-2926.3	141.1	135743.4	7947.1	-304836.0
Asta	410	nodì	199	39		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-98.0	-2735.0	52.3	-125902.2	3035.2	-159632.3
	-97.7	-2482.7	40.4	-130600.4	2431.1	-175130.2
9.	-98.0	-2735.0	52.3	-125902.2	2573.0	-183806.3
	-97.7	-2482.7	40.4	-130600.4	2073.9	-197074.1
18.	-98.0	-2735.0	52.3	-125902.2	2110.8	-207980.4
	-97.7	-2482.7	40.4	-130600.4	1716.8	-219018.1
27.	-98.0	-2735.0	52.3	-125902.2	1648.5	-232154.5
	-97.7	-2482.7	40.4	-130600.4	1359.6	-240962.0
35.	-98.0	-2735.0	52.3	-125902.2	1186.3	-256328.6
	-97.7	-2482.7	40.4	-130600.4	1002.5	-262906.0
44.	-98.0	-2735.0	52.3	-125902.2	724.1	-280502.7
	-97.7	-2482.7	40.4	-130600.4	645.3	-284849.9
53.	-98.0	-2735.0	52.3	-125902.2	261.9	-304676.8
	-97.7	-2482.7	40.4	-130600.4	288.1	-306793.9
62.	-98.0	-2735.0	52.3	-125902.2	-200.4	-328850.9
	-97.7	-2482.7	40.4	-130600.4	-69.0	-328737.9
71.	-98.0	-2735.0	52.3	-125902.2	-662.6	-353024.9
	-97.7	-2482.7	40.4	-130600.4	-426.2	-350681.8

Asta	411	nod	198	41		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-102.1	-2526.8	-33.6	131125.1	-1845.5	-165696.5
	-103.2	-2782.0	-43.1	126437.8	-2440.6	-149980.6
9.	-102.1	-2526.8	-33.6	131125.1	-1548.9	-188030.5
	-103.2	-2782.0	-43.1	126437.8	-2060.0	-174570.4
18.	-102.1	-2526.8	-33.6	131125.1	-1252.3	-210364.6
	-103.2	-2782.0	-43.1	126437.8	-1679.4	-199160.1
27.	-102.1	-2526.8	-33.6	131125.1	-955.7	-232698.6
	-103.2	-2782.0	-43.1	126437.8	-1298.8	-223749.9
35.	-102.1	-2526.8	-33.6	131125.1	-659.1	-255032.6
	-103.2	-2782.0	-43.1	126437.8	-918.2	-248339.6
44.	-102.1	-2526.8	-33.6	131125.1	-362.4	-277366.6
	-103.2	-2782.0	-43.1	126437.8	-537.6	-272929.4
53.	-102.1	-2526.8	-33.6	131125.1	-65.8	-299700.7
	-103.2	-2782.0	-43.1	126437.8	-157.0	-297519.1
62.	-102.1	-2526.8	-33.6	131125.1	230.8	-322034.7
	-103.2	-2782.0	-43.1	126437.8	223.6	-322108.8
71.	-102.1	-2526.8	-33.6	131125.1	527.4	-344368.7
	-103.2	-2782.0	-43.1	126437.8	604.2	-346698.6

Asta	412	nod	197	45		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	6.3	-2498.5	-216.6	-124973.4	-13489.5	-90882.3
	11.8	-2410.6	-224.0	-130567.0	-13922.7	-99103.2
9.	6.3	-2498.5	-216.6	-124973.4	-11574.7	-112966.1
	11.8	-2410.6	-224.0	-130567.0	-11942.6	-120410.3
18.	6.3	-2498.5	-216.6	-124973.4	-9659.9	-135049.9
	11.8	-2410.6	-224.0	-130567.0	-9962.6	-141717.4
27.	6.3	-2498.5	-216.6	-124973.4	-7745.1	-157133.7
	11.8	-2410.6	-224.0	-130567.0	-7982.5	-163024.5
35.	6.3	-2498.5	-216.6	-124973.4	-5830.3	-179217.4
	11.8	-2410.6	-224.0	-130567.0	-6002.4	-184331.6
44.	6.3	-2498.5	-216.6	-124973.4	-3915.5	-201301.2
	11.8	-2410.6	-224.0	-130567.0	-4022.3	-205638.7
53.	6.3	-2498.5	-216.6	-124973.4	-2000.7	-223385.0
	11.8	-2410.6	-224.0	-130567.0	-2042.3	-226945.8
62.	6.3	-2498.5	-216.6	-124973.4	-85.9	-245468.8
	11.8	-2410.6	-224.0	-130567.0	-62.2	-248252.9
71.	6.3	-2498.5	-216.6	-124973.4	1828.9	-267552.6
	11.8	-2410.6	-224.0	-130567.0	1917.9	-269560.0

Asta	413	nod	206	105		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	10.5	-16860.6	928.7	192558.9	41058.6	-139389.0
	11.1	-16776.1	945.2	192243.2	41816.6	-152960.1
6.	10.5	-16860.6	928.7	192558.9	35254.0	-244767.8
	11.1	-16776.1	945.2	192243.2	35909.0	-257810.8
13.	10.5	-16860.6	928.7	192558.9	29449.3	-350146.5
	11.1	-16776.1	945.2	192243.2	30001.4	-362661.5
19.	10.5	-16860.6	928.7	192558.9	23644.7	-455525.2
	11.1	-16776.1	945.2	192243.2	24093.7	-467512.1
25.	10.5	-16860.6	928.7	192558.9	17840.0	-560904.0
	11.1	-16776.1	945.2	192243.2	18186.1	-572362.8
31.	10.5	-16860.6	928.7	192558.9	12035.4	-666282.7
	11.1	-16776.1	945.2	192243.2	12278.4	-677213.4
38.	10.5	-16860.6	928.7	192558.9	6230.7	-771661.4
	11.1	-16776.1	945.2	192243.2	6370.8	-782064.1
44.	10.5	-16860.6	928.7	192558.9	426.1	-877040.1
	11.1	-16776.1	945.2	192243.2	463.2	-886914.7
50.	10.5	-16860.6	928.7	192558.9	-5378.6	-982418.9
	11.1	-16776.1	945.2	192243.2	-5444.5	-991765.4

SOLLECITAZIONI ASTE

CASO DI CARICO : 3 SLU VENT0Y

COMBINAZIONE

N. 11 CONDIZIONI ANALISI STATICA

1	Peso_proprio	+	1.30
2	Pp_solai	+	1.30
3	Perm_tetto	+	1.50
4	Muri_perimetrali	+	1.50
5	Muri_interni	+	1.50
6	Sottofondi	+	1.50
7	Cl_Var_scuola	+	1.50
8	Neve	+	1.50
9	Pp_scala	+	1.30
10	Var_scala	+	1.50
12	Vento_Y	+-	1.50

1)	+1.30*c001	+1.30*c002	+1.50*c003	+1.50*c004	+1.50*c005
)	+1.50*c006	+1.50*c007	+1.50*c008	+1.30*c009	+1.50*c010
)	+1.50*c012				
2)	+1.30*c001	+1.30*c002	+1.50*c003	+1.50*c004	+1.50*c005
)	+1.50*c006	+1.50*c007	+1.50*c008	+1.30*c009	+1.50*c010
)	-1.50*c012				

Progetto esecutivo

Relazione Tecnica e di Calcolo - Tabulati struttura in progetto

Unità di misura: Prog e frecce [cm]; NORM, TYY, TZZ [daN]

MZZ, MY, TORS [daNcm]

Asta 122, 171, 170, 1						

Asta	2	3	4			
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-37549.2	42.1	77.4	1185.1	8816.1	-4337.2
	-37533.3	12.2	71.1	-1187.5	6263.3	79.1
43.	-37380.0	42.1	77.4	1185.1	5525.9	-2548.2
	-37364.1	12.2	71.1	-1187.5	3240.4	598.0
85.	-37210.8	42.1	77.4	1185.1	2235.7	-759.1
	-37194.9	12.2	71.1	-1187.5	217.5	1116.9
128.	-37041.6	42.1	77.4	1185.1	-1054.6	1029.9
	-37025.7	12.2	71.1	-1187.5	-2805.5	1635.9
170.	-36872.4	42.1	77.4	1185.1	-4344.8	2819.0
	-36856.5	12.2	71.1	-1187.5	-5828.4	2154.8
213.	-36703.2	42.1	77.4	1185.1	-7635.0	4608.0
	-36687.2	12.2	71.1	-1187.5	-8851.3	2673.7
255.	-36534.0	42.1	77.4	1185.1	-10925.3	6397.0
	-36518.0	12.2	71.1	-1187.5	-11874.2	3192.7
298.	-36364.8	42.1	77.4	1185.1	-14215.5	8186.1
	-36348.8	12.2	71.1	-1187.5	-14897.1	3711.6
340.	-36195.6	42.1	77.4	1185.1	-17505.8	9975.1
	-36179.6	12.2	71.1	-1187.5	-17920.1	4230.5

Asta	3	5	6			
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-16154.9	-12.6	169.0	1180.8	19954.1	1084.5
	-17232.0	-21.2	159.7	-1177.6	17699.8	3062.3
43.	-15985.7	-12.6	169.0	1180.8	12771.8	549.2
	-17062.8	-21.2	159.7	-1177.6	10912.7	2160.0
85.	-15816.5	-12.6	169.0	1180.8	5589.6	13.9
	-16893.6	-21.2	159.7	-1177.6	4125.7	1257.7
128.	-15647.3	-12.6	169.0	1180.8	-1592.6	-521.4
	-16724.4	-21.2	159.7	-1177.6	-2661.4	355.3
170.	-15478.1	-12.6	169.0	1180.8	-8774.8	-1056.8
	-16555.2	-21.2	159.7	-1177.6	-9448.5	-547.0
213.	-15308.9	-12.6	169.0	1180.8	-15957.0	-1592.1
	-16386.0	-21.2	159.7	-1177.6	-16235.6	-1449.4
255.	-15139.7	-12.6	169.0	1180.8	-23139.2	-2127.4
	-16216.8	-21.2	159.7	-1177.6	-23022.7	-2351.7
298.	-14970.5	-12.6	169.0	1180.8	-30321.4	-2662.8
	-16047.6	-21.2	159.7	-1177.6	-29809.8	-3254.0
340.	-14801.3	-12.6	169.0	1180.8	-37503.7	-3198.1
	-15878.4	-21.2	159.7	-1177.6	-36596.9	-4156.4

Asta	4	7	8			
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-35139.6	324.7	50.9	1142.9	5058.7	-47444.6
	-35184.8	306.9	46.2	-1232.5	3368.2	-44667.3
43.	-34970.4	324.7	50.9	1142.9	2897.3	-33644.1
	-35015.6	306.9	46.2	-1232.5	1404.7	-31625.7
85.	-34801.2	324.7	50.9	1142.9	736.0	-19843.5
	-34846.4	306.9	46.2	-1232.5	-558.7	-18584.1
128.	-34632.0	324.7	50.9	1142.9	-1425.4	-6043.0
	-34677.2	306.9	46.2	-1232.5	-2522.2	-5542.5
170.	-34462.8	324.7	50.9	1142.9	-3586.8	7757.6
	-34508.0	306.9	46.2	-1232.5	-4485.6	7499.1
213.	-34293.6	324.7	50.9	1142.9	-5748.2	21558.1
	-34338.8	306.9	46.2	-1232.5	-6449.1	20540.7
255.	-34124.4	324.7	50.9	1142.9	-7909.5	35358.7
	-34169.6	306.9	46.2	-1232.5	-8412.5	33582.3
298.	-33955.2	324.7	50.9	1142.9	-10070.9	49159.2
	-34000.3	306.9	46.2	-1232.5	-10376.0	46623.9
340.	-33786.0	324.7	50.9	1142.9	-12232.3	62959.7
	-33831.1	306.9	46.2	-1232.5	-12339.4	59665.5

Asta	5	9	10			
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-19008.6	329.2	396.6	1127.5	57489.9	-48740.8
	-19245.2	322.1	391.7	-1245.9	56927.4	-47268.5
43.	-18839.4	329.2	396.6	1127.5	40635.3	-34748.3
	-19076.0	322.1	391.7	-1245.9	40279.2	-33580.0
85.	-18670.2	329.2	396.6	1127.5	23780.6	-20755.8
	-18906.8	322.1	391.7	-1245.9	23631.0	-19891.5

Progetto esecutivo

Relazione Tecnica e di Calcolo - Tabulati struttura in progetto

128.	-18501.0	329.2	396.6	1127.5	6926.0	-6763.4
	-18737.6	322.1	391.7	-1245.9	6982.8	-6203.0
170.	-18331.8	329.2	396.6	1127.5	-9928.7	7229.1
	-18568.3	322.1	391.7	-1245.9	-9665.4	7485.5
213.	-18162.6	329.2	396.6	1127.5	-26783.3	21221.5
	-18399.1	322.1	391.7	-1245.9	-26313.6	21174.0
255.	-17993.4	329.2	396.6	1127.5	-43638.0	35214.0
	-18229.9	322.1	391.7	-1245.9	-42961.9	34862.5
298.	-17824.2	329.2	396.6	1127.5	-60492.6	49206.5
	-18060.7	322.1	391.7	-1245.9	-59610.1	48551.0
340.	-17655.0	329.2	396.6	1127.5	-77347.3	63198.9
	-17891.5	322.1	391.7	-1245.9	-76258.3	62239.5
Asta	6	odi	11	12		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-22444.3	722.9	-139.9	1420.6	-20630.1	-109357.1
	-22444.3	723.1	-144.7	-960.9	-21481.3	-109384.9
43.	-22275.1	722.9	-139.9	1420.6	-14684.8	-78634.8
	-22275.1	723.1	-144.7	-960.9	-15331.6	-78654.2
85.	-22105.9	722.9	-139.9	1420.6	-8739.4	-47912.4
	-22105.9	723.1	-144.7	-960.9	-9181.9	-47923.5
128.	-21936.7	722.9	-139.9	1420.6	-2794.1	-17190.1
	-21936.7	723.1	-144.7	-960.9	-3032.2	-17192.8
170.	-21767.5	722.9	-139.9	1420.6	3151.2	13532.2
	-21767.5	723.1	-144.7	-960.9	3117.5	13537.9
213.	-21598.3	722.9	-139.9	1420.6	9096.6	44254.6
	-21598.3	723.1	-144.7	-960.9	9267.1	44268.5
255.	-21429.1	722.9	-139.9	1420.6	15041.9	74976.9
	-21429.1	723.1	-144.7	-960.9	15416.8	74999.2
298.	-21259.9	722.9	-139.9	1420.6	20987.2	105699.2
	-21259.9	723.1	-144.7	-960.9	21566.5	105729.9
340.	-21090.7	722.9	-139.9	1420.6	26932.6	136421.6
	-21090.7	723.1	-144.7	-960.9	27716.2	136460.6
Asta	7	odi	13	14		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-31407.3	709.6	-38.4	1104.5	-4891.2	-112743.4
	-31407.6	710.0	-39.8	-1275.8	-5212.4	-112785.5
43.	-31238.1	709.6	-38.4	1104.5	-3257.1	-82583.8
	-31238.4	710.0	-39.8	-1275.8	-3520.7	-82610.5
85.	-31068.9	709.6	-38.4	1104.5	-1623.0	-52424.1
	-31069.2	710.0	-39.8	-1275.8	-1828.9	-52435.4
128.	-30899.7	709.6	-38.4	1104.5	11.1	-22264.5
	-30900.0	710.0	-39.8	-1275.8	-137.2	-22260.3
170.	-30730.5	709.6	-38.4	1104.5	1645.2	7895.1
	-30730.8	710.0	-39.8	-1275.8	1554.5	7914.7
213.	-30561.3	709.6	-38.4	1104.5	3279.3	38054.8
	-30561.6	710.0	-39.8	-1275.8	3246.3	38089.8
255.	-30392.1	709.6	-38.4	1104.5	4913.4	68214.4
	-30392.4	710.0	-39.8	-1275.8	4938.0	68264.9
298.	-30222.8	709.6	-38.4	1104.5	6547.5	98374.0
	-30223.2	710.0	-39.8	-1275.8	6629.7	98439.9
340.	-30053.6	709.6	-38.4	1104.5	8181.6	128533.7
	-30054.0	710.0	-39.8	-1275.8	8321.5	128615.0
Asta	8	odi	15	16		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-40655.5	296.7	-12.3	1170.2	-1580.1	-46707.6
	-40655.5	297.1	-13.3	-1209.0	-2055.6	-46761.8
43.	-40486.3	296.7	-12.3	1170.2	-1058.7	-34099.9
	-40486.3	297.1	-13.3	-1209.0	-1489.6	-34135.6
85.	-40317.1	296.7	-12.3	1170.2	-537.4	-21492.2
	-40317.1	297.1	-13.3	-1209.0	-923.6	-21509.4
128.	-40147.9	296.7	-12.3	1170.2	-16.1	-8884.5
	-40147.9	297.1	-13.3	-1209.0	-357.5	-8883.2
170.	-39978.7	296.7	-12.3	1170.2	505.2	3723.2
	-39978.7	297.1	-13.3	-1209.0	208.5	3743.0
213.	-39809.5	296.7	-12.3	1170.2	1026.6	16330.9
	-39809.5	297.1	-13.3	-1209.0	774.5	16369.2
255.	-39640.3	296.7	-12.3	1170.2	1547.9	28938.6
	-39640.3	297.1	-13.3	-1209.0	1340.5	28995.3
298.	-39471.1	296.7	-12.3	1170.2	2069.2	41546.3
	-39471.1	297.1	-13.3	-1209.0	1906.6	41621.5
340.	-39301.9	296.7	-12.3	1170.2	2590.5	54154.0
	-39301.9	297.1	-13.3	-1209.0	2472.6	54247.7
Asta	9	odi	17	18		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-39422.9	-115.5	-4.3	1162.1	-705.6	17152.2
	-39422.7	-115.1	-6.0	-1217.6	-1544.4	17097.8
43.	-39253.7	-115.5	-4.3	1162.1	-521.2	12242.3
	-39253.5	-115.1	-6.0	-1217.6	-1288.7	12207.3
85.	-39084.5	-115.5	-4.3	1162.1	-336.8	7332.4
	-39084.3	-115.1	-6.0	-1217.6	-1032.9	7316.7
128.	-38915.3	-115.5	-4.3	1162.1	-152.4	2422.5
	-38915.1	-115.1	-6.0	-1217.6	-777.1	2426.2
170.	-38746.1	-115.5	-4.3	1162.1	32.0	-2487.4
	-38745.9	-115.1	-6.0	-1217.6	-521.4	-2464.4
213.	-38576.9	-115.5	-4.3	1162.1	216.4	-7397.3
	-38576.7	-115.1	-6.0	-1217.6	-265.6	-7354.9
255.	-38407.7	-115.5	-4.3	1162.1	400.9	-12307.1
	-38407.5	-115.1	-6.0	-1217.6	-9.9	-12245.5
298.	-38238.5	-115.5	-4.3	1162.1	585.3	-17217.0
	-38238.3	-115.1	-6.0	-1217.6	245.9	-17136.0

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340.	-38069.3	-115.5	-4.3	1162.1	769.7	-22126.9
	-38069.1	-115.1	-6.0	-1217.6	501.6	-22026.6
Asta	10	odi	19	20		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-32852.4	-91.2	-2.8	1171.3	-479.3	13865.8
	-32853.7	-90.7	-5.7	-1211.4	-1743.7	13801.9
43.	-32683.2	-91.2	-2.8	1171.3	-361.5	9989.9
	-32684.5	-90.7	-5.7	-1211.4	-1501.1	9947.5
85.	-32514.0	-91.2	-2.8	1171.3	-243.8	6114.0
	-32515.2	-90.7	-5.7	-1211.4	-1258.6	6093.2
128.	-32344.8	-91.2	-2.8	1171.3	-126.1	2238.1
	-32346.0	-90.7	-5.7	-1211.4	-1016.1	2238.8
170.	-32175.6	-91.2	-2.8	1171.3	-8.4	-1637.8
	-32176.8	-90.7	-5.7	-1211.4	-773.5	-1615.6
213.	-32006.4	-91.2	-2.8	1171.3	109.3	-5513.7
	-32007.6	-90.7	-5.7	-1211.4	-531.0	-5469.9
255.	-31837.2	-91.2	-2.8	1171.3	227.1	-9389.6
	-31838.4	-90.7	-5.7	-1211.4	-288.5	-9324.3
298.	-31668.0	-91.2	-2.8	1171.3	344.8	-13265.5
	-31669.2	-90.7	-5.7	-1211.4	-45.9	-13178.6
340.	-31498.8	-91.2	-2.8	1171.3	462.5	-17141.4
	-31500.0	-90.7	-5.7	-1211.4	196.6	-17033.0
Asta	11	odi	21	22		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-32718.8	91.7	-5.9	1182.7	-955.7	-14203.8
	-32721.0	91.7	-11.5	-1201.7	-2781.1	-14186.0
43.	-32549.6	91.7	-5.9	1182.7	-706.8	-10307.6
	-32551.8	91.7	-11.5	-1201.7	-2294.2	-10287.5
85.	-32380.4	91.7	-5.9	1182.7	-458.0	-6411.5
	-32382.6	91.7	-11.5	-1201.7	-1807.3	-6389.0
128.	-32211.2	91.7	-5.9	1182.7	-209.1	-2515.3
	-32213.4	91.7	-11.5	-1201.7	-1320.4	-2490.5
170.	-32042.0	91.7	-5.9	1182.7	39.7	1380.8
	-32044.2	91.7	-11.5	-1201.7	-833.5	1408.1
213.	-31872.8	91.7	-5.9	1182.7	288.5	5277.0
	-31875.0	91.7	-11.5	-1201.7	-346.6	5306.6
255.	-31703.6	91.7	-5.9	1182.7	537.4	9173.1
	-31705.8	91.7	-11.5	-1201.7	140.3	9205.1
298.	-31534.4	91.7	-5.9	1182.7	786.2	13069.3
	-31536.6	91.7	-11.5	-1201.7	627.2	13103.6
340.	-31365.2	91.7	-5.9	1182.7	1035.1	16965.4
	-31367.4	91.7	-11.5	-1201.7	1114.1	17002.1
Asta	12	odi	23	24		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-39981.4	205.6	-24.5	1196.7	-4842.0	-31176.9
	-39938.7	201.9	-38.0	-1191.1	-7854.2	-30610.6
43.	-39812.2	205.6	-24.5	1196.7	-3800.3	-22440.6
	-39769.5	201.9	-38.0	-1191.1	-6237.2	-22029.4
85.	-39643.0	205.6	-24.5	1196.7	-2758.6	-13704.4
	-39600.3	201.9	-38.0	-1191.1	-4620.2	-13448.3
128.	-39473.8	205.6	-24.5	1196.7	-1716.9	-4968.2
	-39431.1	201.9	-38.0	-1191.1	-3003.3	-4867.2
170.	-39304.6	205.6	-24.5	1196.7	-675.3	3768.0
	-39261.9	201.9	-38.0	-1191.1	-1386.3	3713.9
213.	-39135.4	205.6	-24.5	1196.7	366.4	12504.2
	-39092.7	201.9	-38.0	-1191.1	230.7	12295.1
255.	-38966.2	205.6	-24.5	1196.7	1408.1	21240.4
	-38923.5	201.9	-38.0	-1191.1	1847.6	20876.2
298.	-38797.0	205.6	-24.5	1196.7	2449.8	29976.6
	-38754.3	201.9	-38.0	-1191.1	3464.6	29457.3
340.	-38627.8	205.6	-24.5	1196.7	3491.5	38712.8
	-38585.1	201.9	-38.0	-1191.1	5081.6	38038.5
Asta	13	odi	25	26		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-46661.0	-38.7	-123.1	1198.4	-28545.7	4991.0
	-46552.7	-38.7	-167.2	-1190.0	-36179.1	5030.1
43.	-46491.8	-38.7	-123.1	1198.4	-23312.7	3344.7
	-46383.5	-38.7	-167.2	-1190.0	-29075.0	3387.4
85.	-46322.6	-38.7	-123.1	1198.4	-18079.8	1698.3
	-46214.3	-38.7	-167.2	-1190.0	-21971.0	1744.7
128.	-46153.4	-38.7	-123.1	1198.4	-12846.8	52.0
	-46045.0	-38.7	-167.2	-1190.0	-14866.9	101.9
170.	-45984.2	-38.7	-123.1	1198.4	-7613.9	-1594.3
	-45875.8	-38.7	-167.2	-1190.0	-7762.9	-1540.8
213.	-45815.0	-38.7	-123.1	1198.4	-2380.9	-3240.7
	-45706.6	-38.7	-167.2	-1190.0	-658.8	-3183.6
255.	-45645.8	-38.7	-123.1	1198.4	2852.1	-4887.0
	-45537.4	-38.7	-167.2	-1190.0	6445.2	-4826.3
298.	-45476.6	-38.7	-123.1	1198.4	8085.0	-6533.3
	-45368.2	-38.7	-167.2	-1190.0	13549.3	-6469.0
340.	-45307.4	-38.7	-123.1	1198.4	13318.0	-8179.7
	-45199.0	-38.7	-167.2	-1190.0	20653.4	-8111.8
Asta	14	odi	27	28		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-27884.3	165.7	-334.1	1239.7	-38882.6	-37314.1
	-27855.0	193.8	-385.0	-1152.1	-47085.2	-41822.9
43.	-27715.0	165.7	-334.1	1239.7	-24684.5	-30272.0
	-27685.8	193.8	-385.0	-1152.1	-30721.2	-33588.1
85.	-27545.8	165.7	-334.1	1239.7	-10486.3	-23229.8

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128.	-27516.6	193.8	-385.0	-1152.1	-14357.2	-25353.3
	-27376.6	165.7	-334.1	1239.7	3711.8	-16187.7
	-27347.4	193.8	-385.0	-1152.1	2006.9	-17118.5
170.	-27207.4	165.7	-334.1	1239.7	17909.9	-9145.6
	-27178.2	193.8	-385.0	-1152.1	18370.9	-8883.8
213.	-27038.2	165.7	-334.1	1239.7	32108.0	-2103.5
	-27009.0	193.8	-385.0	-1152.1	34735.0	-649.0
255.	-26869.0	165.7	-334.1	1239.7	46306.1	4938.6
	-26839.8	193.8	-385.0	-1152.1	51099.0	7585.8
298.	-26699.8	165.7	-334.1	1239.7	60504.2	11980.7
	-26670.6	193.8	-385.0	-1152.1	67463.0	15820.6
340.	-26530.6	165.7	-334.1	1239.7	74702.3	19022.8
	-26501.4	193.8	-385.0	-1152.1	83827.1	24055.4
Asta	15	nodì	29	30		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-32395.2	411.4	-2.2	1145.0	2669.4	-59679.6
	-32504.4	430.6	-32.8	-1247.9	-2403.3	-62718.7
43.	-32226.0	411.4	-2.2	1145.0	2762.5	-42194.6
	-32335.2	430.6	-32.8	-1247.9	-1011.2	-44417.2
85.	-32056.8	411.4	-2.2	1145.0	2855.7	-24709.6
	-32166.0	430.6	-32.8	-1247.9	380.9	-26115.6
128.	-31887.6	411.4	-2.2	1145.0	2948.9	-7224.6
	-31996.8	430.6	-32.8	-1247.9	1773.1	-7814.1
170.	-31718.3	411.4	-2.2	1145.0	3042.0	10260.4
	-31827.6	430.6	-32.8	-1247.9	3165.2	10487.4
213.	-31549.1	411.4	-2.2	1145.0	3135.2	27745.4
	-31658.4	430.6	-32.8	-1247.9	4557.3	28789.0
255.	-31379.9	411.4	-2.2	1145.0	3228.4	45230.4
	-31489.2	430.6	-32.8	-1247.9	5949.4	47090.5
298.	-31210.7	411.4	-2.2	1145.0	3321.5	62715.4
	-31320.0	430.6	-32.8	-1247.9	7341.5	65392.1
340.	-31041.5	411.4	-2.2	1145.0	3414.7	80200.4
	-31150.8	430.6	-32.8	-1247.9	8733.6	83693.6
Asta	16	nodì	31	32		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-34896.1	-608.5	44.3	1185.0	6090.6	90333.8
	-34874.7	-603.7	28.3	-1190.3	3466.5	89489.9
43.	-34726.9	-608.5	44.3	1185.0	4207.7	64471.7
	-34705.5	-603.7	28.3	-1190.3	2262.9	63831.8
85.	-34557.7	-608.5	44.3	1185.0	2324.8	38609.6
	-34536.3	-603.7	28.3	-1190.3	1059.4	38173.7
128.	-34388.5	-608.5	44.3	1185.0	441.9	12747.4
	-34367.1	-603.7	28.3	-1190.3	-144.2	12515.7
170.	-34219.3	-608.5	44.3	1185.0	-1441.0	-13114.7
	-34197.9	-603.7	28.3	-1190.3	-1347.8	-13142.4
213.	-34050.1	-608.5	44.3	1185.0	-3323.9	-38976.8
	-34028.7	-603.7	28.3	-1190.3	-2551.4	-38800.5
255.	-33880.9	-608.5	44.3	1185.0	-5206.8	-64838.9
	-33859.5	-603.7	28.3	-1190.3	-3755.0	-64458.5
298.	-33711.7	-608.5	44.3	1185.0	-7089.7	-90701.0
	-33690.3	-603.7	28.3	-1190.3	-4958.6	-90116.6
340.	-33542.5	-608.5	44.3	1185.0	-8972.6	-116563.1
	-33521.1	-603.7	28.3	-1190.3	-6162.1	-115774.7
Asta	17	nodì	104	110		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-24809.5	1278.8	103.0	454.6	14052.9	-191623.6
	-24869.1	1284.7	95.2	-1920.0	12913.4	-192612.0
43.	-24640.3	1278.8	103.0	454.6	9676.8	-137274.6
	-24699.9	1284.7	95.2	-1920.0	8868.5	-138013.9
85.	-24471.1	1278.8	103.0	454.6	5300.7	-82925.6
	-24530.7	1284.7	95.2	-1920.0	4823.5	-83415.8
128.	-24301.9	1278.8	103.0	454.6	924.6	-28576.7
	-24361.5	1284.7	95.2	-1920.0	778.6	-28817.7
170.	-24132.7	1278.8	103.0	454.6	-3451.5	25772.3
	-24192.3	1284.7	95.2	-1920.0	-3266.3	25780.4
213.	-23963.5	1278.8	103.0	454.6	-7827.6	80121.3
	-24023.1	1284.7	95.2	-1920.0	-7311.3	80378.6
255.	-23794.3	1278.8	103.0	454.6	-12203.7	134470.3
	-23853.9	1284.7	95.2	-1920.0	-11356.2	134976.7
298.	-23625.1	1278.8	103.0	454.6	-16579.8	188819.3
	-23684.7	1284.7	95.2	-1920.0	-15401.1	189574.8
340.	-23455.9	1278.8	103.0	454.6	-20955.9	243168.3
	-23515.5	1284.7	95.2	-1920.0	-19446.1	244172.9
Asta	18	nodì	35	36		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-19289.4	429.9	-156.4	1119.9	-20971.0	-61953.5
	-19046.3	438.1	-161.8	-1256.0	-21657.9	-63604.8
43.	-19120.2	429.9	-156.4	1119.9	-14322.1	-43684.8
	-18877.1	438.1	-161.8	-1256.0	-14779.3	-44984.0
85.	-18951.0	429.9	-156.4	1119.9	-7673.2	-25416.1
	-18707.9	438.1	-161.8	-1256.0	-7900.7	-26363.2
128.	-18781.8	429.9	-156.4	1119.9	-1024.3	-7147.4
	-18538.7	438.1	-161.8	-1256.0	-1022.2	-7742.4
170.	-18612.6	429.9	-156.4	1119.9	5624.5	11121.3
	-18369.5	438.1	-161.8	-1256.0	5856.4	10878.4
213.	-18443.4	429.9	-156.4	1119.9	12273.4	29390.0
	-18200.3	438.1	-161.8	-1256.0	12735.0	29499.2
255.	-18274.2	429.9	-156.4	1119.9	18922.3	47658.8
	-18031.1	438.1	-161.8	-1256.0	19613.6	48120.0
298.	-18105.0	429.9	-156.4	1119.9	25571.2	65927.5

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340.	-17861.8 -17935.8 -17692.6	438.1 429.9 438.1	-161.8 -156.4 -161.8	-1256.0 1119.9 -1256.0	26492.2 32220.0 33370.8	66740.8 84196.2 85361.6
Asta PROGR.	19 NORM	odi TYY	37 TZZ	38 TORS	MYT	MZZ
0.	-34088.1 -34100.3	116.1 135.1	-56.5 -58.9	1227.2 -1117.5	-6840.9 -7433.1	-16693.8 -19597.9
43.	-33918.9 -33931.1	116.1 135.1	-56.5 -58.9	1227.2 -1117.5	-4439.3 -4927.8	-11760.0 -13857.1
85.	-33749.7 -33761.9	116.1 135.1	-56.5 -58.9	1227.2 -1117.5	-2037.7 -2422.5	-6826.3 -8116.2
128.	-33580.5 -33592.7	116.1 135.1	-56.5 -58.9	1227.2 -1117.5	363.9 82.8	-1892.5 -2375.4
170.	-33411.3 -33423.5	116.1 135.1	-56.5 -58.9	1227.2 -1117.5	2765.5 2588.1	3041.3 3365.5
213.	-33242.1 -33254.3	116.1 135.1	-56.5 -58.9	1227.2 -1117.5	5167.1 5093.5	7975.1 9106.3
255.	-33072.9 -33085.1	116.1 135.1	-56.5 -58.9	1227.2 -1117.5	7568.7 7598.8	12908.8 14847.2
298.	-32903.7 -32915.9	116.1 135.1	-56.5 -58.9	1227.2 -1117.5	9970.3 10104.1	17842.6 20588.0
340.	-32734.5 -32746.7	116.1 135.1	-56.5 -58.9	1227.2 -1117.5	12371.9 12609.4	22776.4 26328.9
Asta PROGR.	20 NORM	odi TYY	39 TZZ	40 TORS	MYT	MZZ
0.	-20766.5 -20817.8	-509.1 -502.5	-266.6 -275.1	1143.7 -1244.3	-37928.6 -39781.0	74082.1 72509.7
43.	-20597.3 -20648.6	-509.1 -502.5	-266.6 -275.1	1143.7 -1244.3	-26598.4 -28090.6	52445.0 51152.1
85.	-20428.1 -20479.4	-509.1 -502.5	-266.6 -275.1	1143.7 -1244.3	-15268.1 -16400.2	30807.9 29794.4
128.	-20258.8 -20310.2	-509.1 -502.5	-266.6 -275.1	1143.7 -1244.3	-3937.9 -4709.8	9170.8 8436.7
170.	-20089.6 -20141.0	-509.1 -502.5	-266.6 -275.1	1143.7 -1244.3	7392.3 6980.7	-12466.3 -12921.0
213.	-19920.4 -19971.8	-509.1 -502.5	-266.6 -275.1	1143.7 -1244.3	18722.5 18671.1	-34103.4 -34278.6
255.	-19751.2 -19802.6	-509.1 -502.5	-266.6 -275.1	1143.7 -1244.3	30052.7 30361.5	-55740.5 -55636.3
298.	-19582.0 -19633.4	-509.1 -502.5	-266.6 -275.1	1143.7 -1244.3	41382.9 42051.9	-77377.6 -76994.0
340.	-19412.8 -19464.2	-509.1 -502.5	-266.6 -275.1	1143.7 -1244.3	52713.1 53742.3	-99014.7 -98351.7
Asta PROGR.	21 NORM	odi TYY	41 TZZ	42 TORS	MYT	MZZ
0.	-21275.2 -20235.5	488.9 506.2	-243.0 -268.5	1203.1 -1176.0	-34344.5 -39028.5	-70576.4 -73297.2
43.	-21106.0 -20066.2	488.9 506.2	-243.0 -268.5	1203.1 -1176.0	-24015.6 -27615.3	-49796.5 -51782.8
85.	-20936.8 -19897.0	488.9 506.2	-243.0 -268.5	1203.1 -1176.0	-13686.7 -16202.0	-29016.6 -30268.4
128.	-20767.6 -19727.8	488.9 506.2	-243.0 -268.5	1203.1 -1176.0	-3357.8 -4788.8	-8236.7 -8754.1
170.	-20598.4 -19558.6	488.9 506.2	-243.0 -268.5	1203.1 -1176.0	6971.1 6624.4	12543.2 12760.3
213.	-20429.2 -19389.4	488.9 506.2	-243.0 -268.5	1203.1 -1176.0	17300.0 18037.7	33323.0 34274.7
255.	-20260.0 -19220.2	488.9 506.2	-243.0 -268.5	1203.1 -1176.0	27628.9 29450.9	54102.9 55789.0
298.	-20090.8 -19051.0	488.9 506.2	-243.0 -268.5	1203.1 -1176.0	37957.8 40864.2	74882.8 77303.4
340.	-19921.6 -18881.8	488.9 506.2	-243.0 -268.5	1203.1 -1176.0	48286.7 52277.4	95662.7 98817.7
Asta PROGR.	22 NORM	odi TYY	43 TZZ	44 TORS	MYT	MZZ
0.	-32952.5 -33022.2	-227.0 -202.5	-66.5 -79.4	1095.6 -1270.3	-4901.1 -8516.8	31754.4 28056.6
43.	-32783.3 -32853.0	-227.0 -202.5	-66.5 -79.4	1095.6 -1270.3	-2074.6 -5143.5	22106.8 19449.1
85.	-32614.1 -32683.8	-227.0 -202.5	-66.5 -79.4	1095.6 -1270.3	751.9 -1770.1	12459.3 10841.5
128.	-32444.9 -32514.6	-227.0 -202.5	-66.5 -79.4	1095.6 -1270.3	3578.4 1603.3	2811.7 2233.9
170.	-32275.7 -32345.4	-227.0 -202.5	-66.5 -79.4	1095.6 -1270.3	6404.9 4976.7	-6835.9 -6373.6
213.	-32106.5 -32176.2	-227.0 -202.5	-66.5 -79.4	1095.6 -1270.3	9231.4 8350.0	-16483.4 -14981.2
255.	-31937.3 -32007.0	-227.0 -202.5	-66.5 -79.4	1095.6 -1270.3	12057.9 11723.4	-26131.0 -23588.7
298.	-31768.1 -31837.8	-227.0 -202.5	-66.5 -79.4	1095.6 -1270.3	14884.4 15096.8	-35778.6 -32196.3
340.	-31598.9 -31668.6	-227.0 -202.5	-66.5 -79.4	1095.6 -1270.3	17710.9 18470.2	-45426.1 -40803.8
Asta PROGR.	23 NORM	odi TYY	45 TZZ	46 TORS	MYT	MZZ
0.	-22346.6 -21453.0	-330.2 -329.6	-238.2 -273.7	1251.8 -1136.2	-18276.8 -25438.6	55246.1 54227.2
43.	-22177.4 -21283.8	-330.2 -329.6	-238.2 -273.7	1251.8 -1136.2	-8152.6 -13808.2	41210.8 40219.5

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85.	-22008.2	-330.2	-238.2	1251.8	1971.6	27175.5
	-21114.6	-329.6	-273.7	-1136.2	-2177.8	26211.7
128.	-21838.9	-330.2	-238.2	1251.8	12095.8	13140.1
	-20945.4	-329.6	-273.7	-1136.2	9452.5	12204.0
170.	-21669.7	-330.2	-238.2	1251.8	22220.0	-895.2
	-20776.2	-329.6	-273.7	-1136.2	21082.9	-1803.8
213.	-21500.5	-330.2	-238.2	1251.8	32344.1	-14930.6
	-20607.0	-329.6	-273.7	-1136.2	32713.3	-15811.5
255.	-21331.3	-330.2	-238.2	1251.8	42468.3	-28965.9
	-20437.8	-329.6	-273.7	-1136.2	44343.6	-29819.2
298.	-21162.1	-330.2	-238.2	1251.8	52592.5	-43001.2
	-20268.6	-329.6	-273.7	-1136.2	55974.0	-43827.0
340.	-20992.9	-330.2	-238.2	1251.8	62716.7	-57036.6
	-20099.4	-329.6	-273.7	-1136.2	67604.3	-57834.7
Asta	24	nod	47	150		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-32595.4	-1191.3	-443.3	-25511.1	-885.2	255740.3
	-32926.2	-1176.6	-630.7	-28084.6	-13809.1	254334.1
21.	-32510.8	-1191.3	-443.3	-25511.1	8534.1	230425.2
	-32841.6	-1176.6	-630.7	-28084.6	-407.3	229330.4
43.	-32426.2	-1191.3	-443.3	-25511.1	17953.4	205110.1
	-32757.0	-1176.6	-630.7	-28084.6	12994.4	204326.8
64.	-32341.6	-1191.3	-443.3	-25511.1	27372.6	179795.1
	-32672.4	-1176.6	-630.7	-28084.6	26396.2	179323.2
85.	-32257.0	-1191.3	-443.3	-25511.1	36791.9	154480.0
	-32587.8	-1176.6	-630.7	-28084.6	39797.9	154319.6
106.	-32172.4	-1191.3	-443.3	-25511.1	46211.1	129164.9
	-32503.2	-1176.6	-630.7	-28084.6	53199.7	129315.9
128.	-32087.8	-1191.3	-443.3	-25511.1	55630.4	103849.8
	-32418.6	-1176.6	-630.7	-28084.6	66601.4	104312.3
149.	-32003.2	-1191.3	-443.3	-25511.1	65049.7	78534.7
	-32334.0	-1176.6	-630.7	-28084.6	80003.2	79308.7
170.	-31918.6	-1191.3	-443.3	-25511.1	74468.9	53219.6
	-32249.4	-1176.6	-630.7	-28084.6	93405.0	54305.1
Asta	25	nod	49	50		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-24015.2	157.9	-9.4	1933.6	-5011.5	-21161.9
	-23980.5	169.8	-16.3	-379.0	-6992.0	-22989.0
43.	-23846.0	157.9	-9.4	1933.6	-4613.7	-14450.5
	-23811.3	169.8	-16.3	-379.0	-6297.5	-15772.2
85.	-23676.8	157.9	-9.4	1933.6	-4216.0	-7739.1
	-23642.1	169.8	-16.3	-379.0	-5603.0	-8555.4
128.	-23507.6	157.9	-9.4	1933.6	-3818.2	-1027.6
	-23472.9	169.8	-16.3	-379.0	-4908.5	-1338.6
170.	-23338.4	157.9	-9.4	1933.6	-3420.4	5683.8
	-23303.7	169.8	-16.3	-379.0	-4214.0	5878.2
213.	-23169.2	157.9	-9.4	1933.6	-3022.7	12395.2
	-23134.5	169.8	-16.3	-379.0	-3519.5	13095.0
255.	-23000.0	157.9	-9.4	1933.6	-2624.9	19106.6
	-22965.3	169.8	-16.3	-379.0	-2825.0	20311.8
298.	-22830.8	157.9	-9.4	1933.6	-2227.2	25818.0
	-22796.1	169.8	-16.3	-379.0	-2130.5	27528.6
340.	-22661.6	157.9	-9.4	1933.6	-1829.4	32529.5
	-22626.9	169.8	-16.3	-379.0	-1436.0	34745.5
Asta	26	nod	51	52		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-24407.7	-160.1	-16.3	397.9	-5180.6	21780.9
	-24297.6	-161.4	-26.0	-2021.0	-7744.6	21830.8
43.	-24238.5	-160.1	-16.3	397.9	-4487.1	14978.3
	-24128.3	-161.4	-26.0	-2021.0	-6637.7	14970.0
85.	-24069.3	-160.1	-16.3	397.9	-3793.5	8175.8
	-23959.1	-161.4	-26.0	-2021.0	-5530.9	8109.2
128.	-23900.1	-160.1	-16.3	397.9	-3100.0	1373.2
	-23789.9	-161.4	-26.0	-2021.0	-4424.1	1248.4
170.	-23730.9	-160.1	-16.3	397.9	-2406.5	-5429.4
	-23620.7	-161.4	-26.0	-2021.0	-3317.2	-5612.4
213.	-23561.7	-160.1	-16.3	397.9	-1712.9	-12232.0
	-23451.5	-161.4	-26.0	-2021.0	-2210.4	-12473.2
255.	-23392.5	-160.1	-16.3	397.9	-1019.4	-19034.5
	-23282.3	-161.4	-26.0	-2021.0	-1103.6	-19334.0
298.	-23223.3	-160.1	-16.3	397.9	-325.9	-25837.1
	-23113.1	-161.4	-26.0	-2021.0	3.3	-26194.8
340.	-23054.1	-160.1	-16.3	397.9	367.7	-32639.7
	-22943.9	-161.4	-26.0	-2021.0	1110.1	-33055.6
Asta	27	nod	53	54		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-31675.5	-9.6	27.9	1283.7	2440.1	-149.6
	-31627.3	-6.5	23.2	-1094.6	1673.3	-700.7
43.	-31506.3	-9.6	27.9	1283.7	1253.0	-556.6
	-31458.1	-6.5	23.2	-1094.6	686.1	-976.4
85.	-31337.1	-9.6	27.9	1283.7	66.0	-963.5
	-31288.9	-6.5	23.2	-1094.6	-301.0	-1252.0
128.	-31167.9	-9.6	27.9	1283.7	-1121.1	-1370.5
	-31119.7	-6.5	23.2	-1094.6	-1288.2	-1527.7
170.	-30998.7	-9.6	27.9	1283.7	-2308.1	-1777.5
	-30950.5	-6.5	23.2	-1094.6	-2275.4	-1803.4
213.	-30829.5	-9.6	27.9	1283.7	-3495.2	-2184.4
	-30781.3	-6.5	23.2	-1094.6	-3262.5	-2079.1
255.	-30660.3	-9.6	27.9	1283.7	-4682.2	-2591.4
	-30612.1	-6.5	23.2	-1094.6	-4249.7	-2354.7

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298.	-30491.1	-9.6	27.9	1283.7	-5869.3	-2998.3
	-30442.9	-6.5	23.2	-1094.6	-5236.9	-2630.4
340.	-30321.9	-9.6	27.9	1283.7	-7056.3	-3405.3
	-30273.7	-6.5	23.2	-1094.6	-6224.1	-2906.1
Asta	28	nodì	55	152		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-33043.0	-2326.2	639.8	-25306.9	-2722.1	401675.7
	-32844.9	-2316.7	461.7	-27922.2	-13819.0	399428.4
21.	-32958.4	-2326.2	639.8	-25306.9	-16316.9	352243.3
	-32760.3	-2316.7	461.7	-27922.2	-23629.3	350197.9
43.	-32873.8	-2326.2	639.8	-25306.9	-29911.6	302810.9
	-32675.7	-2316.7	461.7	-27922.2	-33439.7	300967.3
64.	-32789.2	-2326.2	639.8	-25306.9	-43506.4	253378.5
	-32591.1	-2316.7	461.7	-27922.2	-43250.1	251736.8
85.	-32704.6	-2326.2	639.8	-25306.9	-57101.1	203946.1
	-32506.5	-2316.7	461.7	-27922.2	-53060.5	202506.3
106.	-32620.0	-2326.2	639.8	-25306.9	-70695.8	154513.7
	-32421.9	-2316.7	461.7	-27922.2	-62870.8	153275.8
128.	-32535.4	-2326.2	639.8	-25306.9	-84290.6	105081.3
	-32337.3	-2316.7	461.7	-27922.2	-72681.2	104045.2
149.	-32450.8	-2326.2	639.8	-25306.9	-97885.3	55648.9
	-32252.7	-2316.7	461.7	-27922.2	-82491.6	54814.7
170.	-32366.2	-2326.2	639.8	-25306.9	-111480.1	6216.5
	-32168.1	-2316.7	461.7	-27922.2	-92301.9	5584.2
Asta	29	nodì	57	58		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-13020.1	-124.6	152.7	1160.3	18992.7	18785.6
	-13658.3	-132.0	147.4	-1200.4	17675.7	20488.2
43.	-12850.9	-124.6	152.7	1160.3	12501.5	13489.0
	-13489.1	-132.0	147.4	-1200.4	11411.2	14879.2
85.	-12681.7	-124.6	152.7	1160.3	6010.3	8192.4
	-13319.9	-132.0	147.4	-1200.4	5146.7	9270.1
128.	-12512.5	-124.6	152.7	1160.3	-480.9	2895.8
	-13150.7	-132.0	147.4	-1200.4	-1117.8	3661.1
170.	-12343.3	-124.6	152.7	1160.3	-6972.1	-2400.8
	-12981.5	-132.0	147.4	-1200.4	-7382.3	-1947.9
213.	-12174.1	-124.6	152.7	1160.3	-13463.3	-7697.4
	-12812.3	-132.0	147.4	-1200.4	-13646.8	-7557.0
255.	-12004.9	-124.6	152.7	1160.3	-19954.5	-12994.0
	-12643.1	-132.0	147.4	-1200.4	-19911.3	-13166.0
298.	-11835.7	-124.6	152.7	1160.3	-26445.7	-18290.6
	-12473.9	-132.0	147.4	-1200.4	-26175.8	-18775.0
340.	-11666.5	-124.6	152.7	1160.3	-32936.9	-23587.2
	-12304.6	-132.0	147.4	-1200.4	-32440.3	-24384.1
Asta	30	nodì	59	60		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-32705.0	-59.8	29.4	1314.3	3396.4	7666.3
	-32703.0	-76.6	27.1	-1056.7	2483.2	10398.9
43.	-32535.8	-59.8	29.4	1314.3	2146.6	5122.8
	-32533.8	-76.6	27.1	-1056.7	1333.4	7143.1
85.	-32366.6	-59.8	29.4	1314.3	896.8	2579.2
	-32364.6	-76.6	27.1	-1056.7	183.7	3887.4
128.	-32197.4	-59.8	29.4	1314.3	-353.0	35.7
	-32195.4	-76.6	27.1	-1056.7	-966.1	631.6
170.	-32028.2	-59.8	29.4	1314.3	-1602.8	-2507.8
	-32026.2	-76.6	27.1	-1056.7	-2115.8	-2624.2
213.	-31859.0	-59.8	29.4	1314.3	-2852.5	-5051.3
	-31857.0	-76.6	27.1	-1056.7	-3265.6	-5880.0
255.	-31689.8	-59.8	29.4	1314.3	-4102.3	-7594.8
	-31687.8	-76.6	27.1	-1056.7	-4415.3	-9135.8
298.	-31520.6	-59.8	29.4	1314.3	-5352.1	-10138.4
	-31518.6	-76.6	27.1	-1056.7	-5565.1	-12391.6
340.	-31351.4	-59.8	29.4	1314.3	-6601.9	-12681.9
	-31349.4	-76.6	27.1	-1056.7	-6714.8	-15647.4
Asta	31	nodì	61	62		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-25793.5	114.6	24.2	1173.0	3112.9	-17479.3
	-25796.2	96.8	22.7	-1201.3	2531.5	-14517.6
43.	-25624.2	114.6	24.2	1173.0	2084.6	-12607.8
	-25627.0	96.8	22.7	-1201.3	1564.8	-10404.6
85.	-25455.0	114.6	24.2	1173.0	1056.3	-7736.2
	-25457.8	96.8	22.7	-1201.3	598.0	-6291.5
128.	-25285.8	114.6	24.2	1173.0	27.9	-2864.7
	-25288.6	96.8	22.7	-1201.3	-368.7	-2178.5
170.	-25116.6	114.6	24.2	1173.0	-1000.4	2006.8
	-25119.4	96.8	22.7	-1201.3	-1335.4	1934.5
213.	-24947.4	114.6	24.2	1173.0	-2028.7	6878.3
	-24950.2	96.8	22.7	-1201.3	-2302.2	6047.6
255.	-24778.2	114.6	24.2	1173.0	-3057.0	11749.8
	-24781.0	96.8	22.7	-1201.3	-3268.9	10160.6
298.	-24609.0	114.6	24.2	1173.0	-4085.3	16621.3
	-24611.7	96.8	22.7	-1201.3	-4235.6	14273.6
340.	-24439.8	114.6	24.2	1173.0	-5113.7	21492.8
	-24442.5	96.8	22.7	-1201.3	-5202.4	18386.7
Asta	32	nodì	63	64		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-26776.6	272.6	76.0	970.2	8749.5	-41889.0
	-26780.0	257.4	74.6	-1388.6	8434.9	-39398.7
43.	-26607.4	272.6	76.0	970.2	5521.0	-30303.5

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85.	-26610.8	257.4	74.6	-1388.6	5266.2	-28457.5
	-26438.2	272.6	76.0	970.2	2292.6	-18718.0
	-26441.6	257.4	74.6	-1388.6	2097.5	-17516.2
128.	-26269.0	272.6	76.0	970.2	-935.9	-7132.5
	-26272.4	257.4	74.6	-1388.6	-1071.2	-6575.0
170.	-26099.8	272.6	76.0	970.2	-4164.3	4453.0
	-26103.2	257.4	74.6	-1388.6	-4239.9	4366.3
213.	-25930.6	272.6	76.0	970.2	-7392.8	16038.5
	-25934.0	257.4	74.6	-1388.6	-7408.5	15307.5
255.	-25761.4	272.6	76.0	970.2	-10621.2	27624.0
	-25764.8	257.4	74.6	-1388.6	-10577.2	26248.7
298.	-25592.2	272.6	76.0	970.2	-13849.7	39209.5
	-25595.6	257.4	74.6	-1388.6	-13745.9	37190.0
340.	-25423.0	272.6	76.0	970.2	-17078.1	50795.0
	-25426.4	257.4	74.6	-1388.6	-16914.6	48131.2
Asta	33	2	65			
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-6875.3	-584.1	4173.5	1414.9	132790.1	95360.3
	-6211.4	-585.3	-3510.0	-1315.0	7296.9	94000.4
43.	-6706.1	-584.1	3221.9	1414.9	-24362.4	70537.6
	-6042.2	-585.3	-2558.4	-1315.0	136251.9	69126.2
85.	-6536.9	-584.1	2270.3	1414.9	-141071.4	45714.8
	-5873.0	-585.3	-1606.8	-1315.0	224763.5	44251.9
128.	-6367.7	-584.1	1318.7	1414.9	-217337.1	20892.1
	-5703.8	-585.3	-655.2	-1315.0	272831.7	19377.7
170.	-6198.5	-584.1	367.1	1414.9	-253159.4	-3930.7
	-5534.6	-585.3	296.4	-1315.0	280456.5	-5496.5
213.	-6029.3	-584.1	-584.5	1414.9	-248538.2	-28753.4
	-5365.4	-585.3	1248.0	-1315.0	247637.9	-30370.7
255.	-5860.1	-584.1	-1536.1	1414.9	-203473.7	-53576.2
	-5196.2	-585.3	2199.6	-1315.0	174375.9	-55245.0
298.	-5690.9	-584.1	-2487.8	1414.9	-117965.8	-78398.9
	-5027.0	-585.3	3151.2	-1315.0	60670.5	-80119.2
340.	-5521.7	-584.1	-3439.4	1414.9	7985.5	-103221.6
	-4857.8	-585.3	4102.8	-1315.0	-93478.3	-104993.4
Asta	34	4	66			
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-16394.4	89.4	128.3	1300.8	19782.6	-12266.9
	-16400.0	48.3	106.9	-1229.6	17801.9	-5541.3
43.	-16225.2	89.4	128.3	1300.8	14329.5	-8466.2
	-16230.8	48.3	106.9	-1229.6	13259.5	-3488.3
85.	-16056.0	89.4	128.3	1300.8	8876.3	-4665.6
	-16061.6	48.3	106.9	-1229.6	8717.0	-1435.4
128.	-15886.8	89.4	128.3	1300.8	3423.1	-864.9
	-15892.4	48.3	106.9	-1229.6	4174.5	617.6
170.	-15717.6	89.4	128.3	1300.8	-2030.0	2935.7
	-15723.2	48.3	106.9	-1229.6	-368.0	2670.6
213.	-15548.4	89.4	128.3	1300.8	-7483.2	6736.4
	-15554.0	48.3	106.9	-1229.6	-4910.5	4723.6
255.	-15379.2	89.4	128.3	1300.8	-12936.4	10537.0
	-15384.8	48.3	106.9	-1229.6	-9453.0	6776.6
298.	-15210.0	89.4	128.3	1300.8	-18389.6	14337.7
	-15215.6	48.3	106.9	-1229.6	-13995.5	8829.5
340.	-15040.8	89.4	128.3	1300.8	-23842.7	18138.3
	-15046.4	48.3	106.9	-1229.6	-18538.0	10882.5
Asta	35	6	67			
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-6345.6	-52.0	262.8	1338.3	41150.5	4092.5
	-6841.4	-60.7	248.9	-1268.6	38564.1	5622.2
43.	-6176.4	-52.0	262.8	1338.3	29979.9	1880.8
	-6672.2	-60.7	248.9	-1268.6	27985.8	3040.7
85.	-6007.2	-52.0	262.8	1338.3	18809.3	-330.9
	-6503.0	-60.7	248.9	-1268.6	17407.5	459.2
128.	-5837.9	-52.0	262.8	1338.3	7638.7	-2542.6
	-6333.8	-60.7	248.9	-1268.6	6829.2	-2122.3
170.	-5668.7	-52.0	262.8	1338.3	-3531.8	-4754.3
	-6164.6	-60.7	248.9	-1268.6	-3749.1	-4703.8
213.	-5499.5	-52.0	262.8	1338.3	-14702.4	-6966.0
	-5995.4	-60.7	248.9	-1268.6	-14327.4	-7285.3
255.	-5330.3	-52.0	262.8	1338.3	-25873.0	-9177.7
	-5826.2	-60.7	248.9	-1268.6	-24905.7	-9866.8
298.	-5161.1	-52.0	262.8	1338.3	-37043.6	-11389.4
	-5657.0	-60.7	248.9	-1268.6	-35484.0	-12448.3
340.	-4991.9	-52.0	262.8	1338.3	-48214.2	-13601.1
	-5487.8	-60.7	248.9	-1268.6	-46062.4	-15029.8
Asta	36	8	68			
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-16972.1	422.9	111.4	1323.4	14457.7	-67111.2
	-16994.6	396.6	105.7	-1263.2	13359.9	-62938.8
43.	-16802.9	422.9	111.4	1323.4	9723.8	-49139.7
	-16825.4	396.6	105.7	-1263.2	8866.7	-46082.9
85.	-16633.7	422.9	111.4	1323.4	4990.0	-31168.2
	-16656.2	396.6	105.7	-1263.2	4373.6	-29227.0
128.	-16464.5	422.9	111.4	1323.4	256.1	-13196.7
	-16487.0	396.6	105.7	-1263.2	-119.6	-12371.1
170.	-16295.3	422.9	111.4	1323.4	-4477.8	4774.8
	-16317.8	396.6	105.7	-1263.2	-4612.7	4484.8
213.	-16126.1	422.9	111.4	1323.4	-9211.6	22746.4
	-16148.5	396.6	105.7	-1263.2	-9105.9	21340.7
255.	-15956.9	422.9	111.4	1323.4	-13945.5	40717.9

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298.	-15979.3	396.6	105.7	-1263.2	-13599.0	38196.6
	-15787.7	422.9	111.4	1323.4	-18679.4	58689.4
	-15810.1	396.6	105.7	-1263.2	-18092.2	55052.5
340.	-15618.5	422.9	111.4	1323.4	-23413.2	76660.9
	-15640.9	396.6	105.7	-1263.2	-22585.3	71908.4
Asta	37	nodì	10	69		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3712.8	425.0	353.7	1382.7	74935.6	-67255.8
	-3821.1	416.0	347.2	-1339.8	73893.9	-65656.8
43.	-3543.6	425.0	353.7	1382.7	59901.3	-49194.4
	-3651.8	416.0	347.2	-1339.8	59136.5	-47976.8
85.	-3374.4	425.0	353.7	1382.7	44866.9	-31132.9
	-3482.6	416.0	347.2	-1339.8	44379.1	-30296.9
128.	-3205.2	425.0	353.7	1382.7	29832.6	-13071.5
	-3313.4	416.0	347.2	-1339.8	29621.8	-12616.9
170.	-3036.0	425.0	353.7	1382.7	14798.3	4989.9
	-3144.2	416.0	347.2	-1339.8	14864.4	5063.0
213.	-2866.8	425.0	353.7	1382.7	-236.0	23051.4
	-2975.0	416.0	347.2	-1339.8	107.0	22743.0
255.	-2697.6	425.0	353.7	1382.7	-15270.3	41112.8
	-2805.8	416.0	347.2	-1339.8	-14650.3	40422.9
298.	-2528.4	425.0	353.7	1382.7	-30304.7	59174.2
	-2636.6	416.0	347.2	-1339.8	-29407.7	58102.9
340.	-2359.2	425.0	353.7	1382.7	-45339.0	77235.7
	-2467.4	416.0	347.2	-1339.8	-44165.0	75782.9
Asta	38	nodì	12	70		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-10592.5	857.4	-79.1	1389.9	-25528.4	-141580.7
	-10597.6	857.3	-82.9	-1299.0	-26169.3	-141550.5
43.	-10423.3	857.4	-79.1	1389.9	-22168.6	-105140.4
	-10428.4	857.3	-82.9	-1299.0	-22647.0	-105115.9
85.	-10254.1	857.4	-79.1	1389.9	-18808.9	-68700.1
	-10259.2	857.3	-82.9	-1299.0	-19124.7	-68681.2
128.	-10084.9	857.4	-79.1	1389.9	-15449.2	-32259.8
	-10090.0	857.3	-82.9	-1299.0	-15602.3	-32246.6
170.	-9915.7	857.4	-79.1	1389.9	-12089.5	4180.5
	-9920.8	857.3	-82.9	-1299.0	-12080.0	4188.1
213.	-9746.5	857.4	-79.1	1389.9	-8729.7	40620.8
	-9751.6	857.3	-82.9	-1299.0	-8557.7	40622.8
255.	-9577.3	857.4	-79.1	1389.9	-5370.0	77061.1
	-9582.4	857.3	-82.9	-1299.0	-5035.4	77057.4
298.	-9408.1	857.4	-79.1	1389.9	-2010.3	113501.3
	-9413.2	857.3	-82.9	-1299.0	-1513.0	113492.1
340.	-9238.9	857.4	-79.1	1389.9	1349.4	149941.6
	-9244.0	857.3	-82.9	-1299.0	2009.3	149926.7
Asta	39	nodì	14	71		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-16927.9	786.6	-23.8	1396.8	-8313.9	-131585.7
	-16928.3	786.7	-25.6	-1346.9	-8599.7	-131599.3
43.	-16758.7	786.6	-23.8	1396.8	-7301.9	-98155.0
	-16759.1	786.7	-25.6	-1346.9	-7509.8	-98164.9
85.	-16589.5	786.6	-23.8	1396.8	-6290.0	-64724.3
	-16589.9	786.7	-25.6	-1346.9	-6420.0	-64730.5
128.	-16420.3	786.6	-23.8	1396.8	-5278.0	-31293.6
	-16420.7	786.7	-25.6	-1346.9	-5330.1	-31296.1
170.	-16251.1	786.6	-23.8	1396.8	-4266.1	2137.1
	-16251.5	786.7	-25.6	-1346.9	-4240.2	2138.3
213.	-16081.9	786.6	-23.8	1396.8	-3254.1	35567.8
	-16082.3	786.7	-25.6	-1346.9	-3150.4	35572.8
255.	-15912.7	786.6	-23.8	1396.8	-2242.2	68998.5
	-15913.1	786.7	-25.6	-1346.9	-2060.5	69007.2
298.	-15743.5	786.6	-23.8	1396.8	-1230.2	102429.2
	-15743.9	786.7	-25.6	-1346.9	-970.7	102441.6
340.	-15574.3	786.6	-23.8	1396.8	-218.3	135859.9
	-15574.7	786.7	-25.6	-1346.9	119.2	135876.0
Asta	40	nodì	16	72		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-22100.5	369.9	-6.6	1394.5	-2902.8	-57069.4
	-22100.6	370.1	-9.0	-1334.9	-3191.1	-57096.8
43.	-21931.3	369.9	-6.6	1394.5	-2620.7	-41349.5
	-21931.4	370.1	-9.0	-1334.9	-2809.9	-41369.2
85.	-21762.1	369.9	-6.6	1394.5	-2338.6	-25629.6
	-21762.2	370.1	-9.0	-1334.9	-2428.7	-25641.7
128.	-21592.9	369.9	-6.6	1394.5	-2056.6	-9909.7
	-21593.0	370.1	-9.0	-1334.9	-2047.5	-9914.2
170.	-21423.7	369.9	-6.6	1394.5	-1774.5	5810.2
	-21423.8	370.1	-9.0	-1334.9	-1666.4	5813.4
213.	-21254.5	369.9	-6.6	1394.5	-1492.4	21530.1
	-21254.5	370.1	-9.0	-1334.9	-1285.2	21540.9
255.	-21085.3	369.9	-6.6	1394.5	-1210.3	37250.0
	-21085.3	370.1	-9.0	-1334.9	-904.0	37268.4
298.	-20916.1	369.9	-6.6	1394.5	-928.2	52969.9
	-20916.1	370.1	-9.0	-1334.9	-522.8	52996.0
340.	-20746.9	369.9	-6.6	1394.5	-646.2	68689.8
	-20746.9	370.1	-9.0	-1334.9	-141.6	68723.5
Asta	41	nodì	18	73		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-19017.1	-207.9	-0.4	1393.4	-956.5	25286.5
	-19016.9	-207.7	-3.9	-1330.4	-1394.8	25251.2

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43.	-18847.9	-207.9	-0.4	1393.4	-940.3	16451.1
	-18847.7	-207.7	-3.9	-1330.4	-1231.1	16425.2
85.	-18678.7	-207.9	-0.4	1393.4	-924.2	7615.6
	-18678.5	-207.7	-3.9	-1330.4	-1067.4	7599.1
128.	-18509.5	-207.9	-0.4	1393.4	-908.0	-1219.9
	-18509.3	-207.7	-3.9	-1330.4	-903.7	-1227.0
170.	-18340.3	-207.9	-0.4	1393.4	-891.9	-10055.3
	-18340.1	-207.7	-3.9	-1330.4	-740.0	-10053.1
213.	-18171.0	-207.9	-0.4	1393.4	-875.7	-18890.8
	-18170.8	-207.7	-3.9	-1330.4	-576.3	-18879.2
255.	-18001.8	-207.9	-0.4	1393.4	-859.5	-27726.3
	-18001.6	-207.7	-3.9	-1330.4	-412.6	-27705.3
298.	-17832.6	-207.9	-0.4	1393.4	-843.4	-36561.8
	-17832.4	-207.7	-3.9	-1330.4	-248.9	-36531.4
340.	-17663.4	-207.9	-0.4	1393.4	-827.2	-45397.2
	-17663.2	-207.7	-3.9	-1330.4	-85.2	-45357.5
Asta	42	nodì	20	74		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-12031.1	-93.9	0.7	1389.4	-488.2	17012.6
	-12031.9	-93.6	-2.2	-1319.8	-1139.6	16968.1
43.	-11861.9	-93.9	0.7	1389.4	-517.5	13021.3
	-11862.7	-93.6	-2.2	-1319.8	-1046.9	12989.6
85.	-11692.7	-93.9	0.7	1389.4	-546.7	9030.0
	-11693.5	-93.6	-2.2	-1319.8	-954.2	9011.2
128.	-11523.5	-93.9	0.7	1389.4	-575.9	5038.7
	-11524.3	-93.6	-2.2	-1319.8	-861.5	5032.8
170.	-11354.3	-93.9	0.7	1389.4	-605.2	1047.4
	-11355.1	-93.6	-2.2	-1319.8	-768.8	1054.4
213.	-11185.1	-93.9	0.7	1389.4	-634.4	-2943.9
	-11185.9	-93.6	-2.2	-1319.8	-676.1	-2924.1
255.	-11015.9	-93.9	0.7	1389.4	-663.6	-6935.2
	-11016.7	-93.6	-2.2	-1319.8	-583.4	-6902.5
298.	-10846.7	-93.9	0.7	1389.4	-692.8	-10926.5
	-10847.5	-93.6	-2.2	-1319.8	-490.8	-10880.9
340.	-10677.5	-93.9	0.7	1389.4	-722.1	-14917.7
	-10678.3	-93.6	-2.2	-1319.8	-398.1	-14859.3
Asta	43	nodì	22	75		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-11953.5	95.2	1.1	1390.0	-750.8	-17322.3
	-11954.1	94.9	-3.1	-1321.2	-1977.7	-17292.7
43.	-11784.3	95.2	1.1	1390.0	-799.0	-13278.1
	-11784.9	94.9	-3.1	-1321.2	-1845.0	-13257.6
85.	-11615.1	95.2	1.1	1390.0	-847.3	-9233.9
	-11615.7	94.9	-3.1	-1321.2	-1712.3	-9222.5
128.	-11445.9	95.2	1.1	1390.0	-895.5	-5189.7
	-11446.5	94.9	-3.1	-1321.2	-1579.6	-5187.3
170.	-11276.7	95.2	1.1	1390.0	-943.7	-1145.5
	-11277.3	94.9	-3.1	-1321.2	-1446.9	-1152.2
213.	-11107.4	95.2	1.1	1390.0	-992.0	2898.7
	-11108.1	94.9	-3.1	-1321.2	-1314.2	2882.9
255.	-10938.2	95.2	1.1	1390.0	-1040.2	6942.9
	-10938.9	94.9	-3.1	-1321.2	-1181.5	6918.1
298.	-10769.0	95.2	1.1	1390.0	-1088.4	10987.1
	-10769.7	94.9	-3.1	-1321.2	-1048.8	10953.2
340.	-10599.8	95.2	1.1	1390.0	-1136.7	15031.3
	-10600.5	94.9	-3.1	-1321.2	-916.1	14988.3
Asta	44	nodì	24	76		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-19324.3	316.4	-0.2	1410.5	-2407.2	-43010.2
	-19302.5	312.2	-10.1	-1308.2	-5337.0	-42257.1
43.	-19155.1	316.4	-0.2	1410.5	-2397.8	-29561.8
	-19133.3	312.2	-10.1	-1308.2	-4906.5	-28990.3
85.	-18985.9	316.4	-0.2	1410.5	-2388.4	-16113.4
	-18964.1	312.2	-10.1	-1308.2	-4476.1	-15723.5
128.	-18816.7	316.4	-0.2	1410.5	-2379.1	-2665.0
	-18794.9	312.2	-10.1	-1308.2	-4045.6	-2456.8
170.	-18647.5	316.4	-0.2	1410.5	-2369.7	10783.4
	-18625.7	312.2	-10.1	-1308.2	-3615.2	10810.0
213.	-18478.3	316.4	-0.2	1410.5	-2360.3	24231.7
	-18456.5	312.2	-10.1	-1308.2	-3184.7	24076.8
255.	-18309.1	316.4	-0.2	1410.5	-2350.9	37680.1
	-18287.3	312.2	-10.1	-1308.2	-2754.3	37343.5
298.	-18139.9	316.4	-0.2	1410.5	-2341.5	51128.5
	-18118.1	312.2	-10.1	-1308.2	-2323.8	50610.3
340.	-17970.7	316.4	-0.2	1410.5	-2332.1	64576.9
	-17948.9	312.2	-10.1	-1308.2	-1893.4	63877.0
Asta	45	nodì	26	77		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-23974.5	-75.6	-14.8	1278.5	-8990.1	9299.5
	-24006.5	-76.2	-46.2	-1434.8	-17606.7	9313.8
43.	-23805.3	-75.6	-14.8	1278.5	-8359.5	6087.0
	-23837.3	-76.2	-46.2	-1434.8	-15644.8	6074.7
85.	-23636.1	-75.6	-14.8	1278.5	-7728.9	2874.5
	-23668.1	-76.2	-46.2	-1434.8	-13683.0	2835.7
128.	-23466.9	-75.6	-14.8	1278.5	-7098.4	-338.0
	-23498.9	-76.2	-46.2	-1434.8	-11721.2	-403.3
170.	-23297.7	-75.6	-14.8	1278.5	-6467.8	-3550.5
	-23329.7	-76.2	-46.2	-1434.8	-9759.3	-3642.3
213.	-23128.5	-75.6	-14.8	1278.5	-5837.3	-6763.0
	-23160.5	-76.2	-46.2	-1434.8	-7797.5	-6881.3

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255.	-22959.3	-75.6	-14.8	1278.5	-5206.7	-9975.5
	-22991.2	-76.2	-46.2	-1434.8	-5835.6	-10120.4
298.	-22790.1	-75.6	-14.8	1278.5	-4576.2	-13188.0
	-22822.0	-76.2	-46.2	-1434.8	-3873.8	-13359.4
340.	-22620.9	-75.6	-14.8	1278.5	-3945.6	-16400.5
	-22652.8	-76.2	-46.2	-1434.8	-1912.0	-16598.4
Asta	46	nodì	28	78		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-8603.9	186.5	-237.1	1294.1	-70786.7	-19854.2
	-8508.5	220.6	-292.9	-1417.9	-81838.4	-25315.2
43.	-8434.7	186.5	-237.1	1294.1	-60711.1	-11928.0
	-8339.3	220.6	-292.9	-1417.9	-69388.3	-15939.0
85.	-8265.5	186.5	-237.1	1294.1	-50635.6	-4001.8
	-8170.1	220.6	-292.9	-1417.9	-56938.1	-6562.9
128.	-8096.3	186.5	-237.1	1294.1	-40560.0	3924.3
	-8000.9	220.6	-292.9	-1417.9	-44487.9	2813.3
170.	-7927.1	186.5	-237.1	1294.1	-30484.4	11850.5
	-7831.7	220.6	-292.9	-1417.9	-32037.8	12189.5
213.	-7757.9	186.5	-237.1	1294.1	-20408.9	19776.7
	-7662.5	220.6	-292.9	-1417.9	-19587.6	21565.7
255.	-7588.7	186.5	-237.1	1294.1	-10333.3	27702.8
	-7493.3	220.6	-292.9	-1417.9	-7137.4	30941.9
298.	-7419.5	186.5	-237.1	1294.1	-257.8	35629.0
	-7324.1	220.6	-292.9	-1417.9	5312.7	40318.1
340.	-7250.3	186.5	-237.1	1294.1	9817.8	43555.1
	-7154.9	220.6	-292.9	-1417.9	17762.9	49694.3
Asta	47	nodì	30	79		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-13215.6	402.5	-93.9	1423.3	-6590.5	-79940.8
	-13262.9	426.1	-138.0	-1278.6	-13859.6	-83799.8
43.	-13046.4	402.5	-93.9	1423.3	-2598.0	-62832.5
	-13093.7	426.1	-138.0	-1278.6	-7996.5	-65690.7
85.	-12877.2	402.5	-93.9	1423.3	1394.4	-45724.2
	-12924.5	426.1	-138.0	-1278.6	-2133.5	-47581.6
128.	-12708.0	402.5	-93.9	1423.3	5386.9	-28615.9
	-12755.3	426.1	-138.0	-1278.6	3729.5	-29472.5
170.	-12538.8	402.5	-93.9	1423.3	9379.3	-11507.6
	-12586.1	426.1	-138.0	-1278.6	9592.5	-11363.4
213.	-12369.6	402.5	-93.9	1423.3	13371.7	5600.8
	-12416.9	426.1	-138.0	-1278.6	15455.5	6745.7
255.	-12200.4	402.5	-93.9	1423.3	17364.2	22709.1
	-12247.7	426.1	-138.0	-1278.6	21318.5	24854.8
298.	-12031.2	402.5	-93.9	1423.3	21356.6	39817.4
	-12078.5	426.1	-138.0	-1278.6	27181.5	42963.9
340.	-11862.0	402.5	-93.9	1423.3	25349.0	56925.7
	-11909.3	426.1	-138.0	-1278.6	33044.6	61073.0
Asta	48	nodì	32	80		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-14199.0	-588.7	-79.5	1365.5	4111.4	115776.3
	-14189.3	-582.5	-103.9	-1327.1	338.0	114727.4
43.	-14029.8	-588.7	-79.5	1365.5	7490.2	90756.3
	-14020.1	-582.5	-103.9	-1327.1	4754.4	89971.4
85.	-13860.6	-588.7	-79.5	1365.5	10869.0	65736.3
	-13850.9	-582.5	-103.9	-1327.1	9170.8	65215.4
128.	-13691.4	-588.7	-79.5	1365.5	14247.8	40716.3
	-13681.7	-582.5	-103.9	-1327.1	13587.2	40459.4
170.	-13522.2	-588.7	-79.5	1365.5	17626.6	15696.2
	-13512.5	-582.5	-103.9	-1327.1	18003.6	15703.4
213.	-13353.0	-588.7	-79.5	1365.5	21005.4	-9323.8
	-13343.3	-582.5	-103.9	-1327.1	22420.0	-9052.6
255.	-13183.7	-588.7	-79.5	1365.5	24384.1	-34343.8
	-13174.1	-582.5	-103.9	-1327.1	26836.4	-33808.6
298.	-13014.5	-588.7	-79.5	1365.5	27762.9	-59363.8
	-13004.9	-582.5	-103.9	-1327.1	31252.8	-58564.6
340.	-12845.3	-588.7	-79.5	1365.5	31141.7	-84383.8
	-12835.7	-582.5	-103.9	-1327.1	35669.2	-83320.5
Asta	49	nodì	110	109		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-7837.6	1420.6	84.4	1336.8	19444.9	-248427.4
	-7866.1	1428.7	75.0	-1343.8	17982.3	-249721.4
43.	-7668.4	1420.6	84.4	1336.8	15857.6	-188050.4
	-7696.9	1428.7	75.0	-1343.8	14795.5	-189001.8
85.	-7499.2	1420.6	84.4	1336.8	12270.3	-127673.5
	-7527.6	1428.7	75.0	-1343.8	11608.8	-128282.2
128.	-7330.0	1420.6	84.4	1336.8	8683.0	-67296.5
	-7358.4	1428.7	75.0	-1343.8	8422.1	-67562.6
170.	-7160.8	1420.6	84.4	1336.8	5095.7	-6919.6
	-7189.2	1428.7	75.0	-1343.8	5235.3	-6843.0
213.	-6991.6	1420.6	84.4	1336.8	1508.4	53457.4
	-7020.0	1428.7	75.0	-1343.8	2048.6	53876.6
255.	-6822.4	1420.6	84.4	1336.8	-2078.9	113834.4
	-6850.8	1428.7	75.0	-1343.8	-1138.1	114596.2
298.	-6653.2	1420.6	84.4	1336.8	-5666.2	174211.3
	-6681.6	1428.7	75.0	-1343.8	-4324.9	175315.8
340.	-6484.0	1420.6	84.4	1336.8	-9253.5	234588.3
	-6512.4	1428.7	75.0	-1343.8	-7511.6	236035.4
Asta	50	nodì	36	82		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-6482.2	540.7	-177.7	1391.6	-33828.0	-88123.6

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43.	-6369.2	550.5	-184.3	-1334.7	-34918.2	-89856.0
	-6313.0	540.7	-177.7	1391.6	-26277.4	-65143.0
	-6200.0	550.5	-184.3	-1334.7	-27083.7	-66460.6
85.	-6143.8	540.7	-177.7	1391.6	-18726.8	-42162.4
	-6030.8	550.5	-184.3	-1334.7	-19249.1	-43065.1
128.	-5974.6	540.7	-177.7	1391.6	-11176.2	-19181.8
	-5861.6	550.5	-184.3	-1334.7	-11414.6	-19669.6
170.	-5805.4	540.7	-177.7	1391.6	-3625.6	3798.8
	-5692.4	550.5	-184.3	-1334.7	-3580.0	3725.8
213.	-5636.2	540.7	-177.7	1391.6	3925.0	26779.3
	-5523.2	550.5	-184.3	-1334.7	4254.5	27121.3
255.	-5467.0	540.7	-177.7	1391.6	11475.6	49759.9
	-5354.0	550.5	-184.3	-1334.7	12089.0	50516.7
298.	-5297.8	540.7	-177.7	1391.6	19026.2	72740.5
	-5184.8	550.5	-184.3	-1334.7	19923.6	73912.2
340.	-5128.6	540.7	-177.7	1391.6	26576.8	95721.1
	-5015.6	550.5	-184.3	-1334.7	27758.1	97307.7
Asta	51	odi	38	83		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-16032.8	143.3	-89.4	1268.4	-14166.5	-23636.4
	-16039.3	171.5	-92.8	-1211.4	-14695.5	-28038.9
43.	-15863.6	143.3	-89.4	1268.4	-10367.7	-17546.0
	-15870.1	171.5	-92.8	-1211.4	-10750.4	-20750.8
85.	-15694.4	143.3	-89.4	1268.4	-6569.0	-11455.6
	-15700.9	171.5	-92.8	-1211.4	-6805.3	-13462.7
128.	-15525.2	143.3	-89.4	1268.4	-2770.2	-5365.1
	-15531.7	171.5	-92.8	-1211.4	-2860.2	-6174.6
170.	-15356.0	143.3	-89.4	1268.4	1028.5	725.3
	-15362.5	171.5	-92.8	-1211.4	1084.9	1113.4
213.	-15186.8	143.3	-89.4	1268.4	4827.3	6815.7
	-15193.3	171.5	-92.8	-1211.4	5030.0	8401.5
255.	-15017.6	143.3	-89.4	1268.4	8626.0	12906.2
	-15024.1	171.5	-92.8	-1211.4	8975.1	15689.6
298.	-14848.4	143.3	-89.4	1268.4	12424.8	18996.6
	-14854.9	171.5	-92.8	-1211.4	12920.2	22977.7
340.	-14679.2	143.3	-89.4	1268.4	16223.5	25087.0
	-14685.7	171.5	-92.8	-1211.4	16865.3	30265.8
Asta	52	odi	40	84		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-7019.3	-629.6	-297.0	1390.4	-54145.2	103569.8
	-7034.7	-623.2	-307.0	-1336.0	-55881.3	102401.0
43.	-6850.1	-629.6	-297.0	1390.4	-41521.0	76811.6
	-6865.5	-623.2	-307.0	-1336.0	-42835.6	75914.1
85.	-6680.9	-629.6	-297.0	1390.4	-28896.7	50053.4
	-6696.3	-623.2	-307.0	-1336.0	-29789.8	49427.3
128.	-6511.7	-629.6	-297.0	1390.4	-16272.5	32295.1
	-6527.1	-623.2	-307.0	-1336.0	-16744.1	22940.4
170.	-6342.5	-629.6	-297.0	1390.4	-3648.2	-3463.1
	-6357.9	-623.2	-307.0	-1336.0	-3698.4	-3546.4
213.	-6173.3	-629.6	-297.0	1390.4	8976.0	-30221.3
	-6188.7	-623.2	-307.0	-1336.0	9347.3	-30033.3
255.	-6004.1	-629.6	-297.0	1390.4	21600.3	-56979.5
	-6019.5	-623.2	-307.0	-1336.0	22393.0	-56520.2
298.	-5834.9	-629.6	-297.0	1390.4	34224.5	-83737.8
	-5850.3	-623.2	-307.0	-1336.0	35438.7	-83007.0
340.	-5665.7	-629.6	-297.0	1390.4	46848.8	-110496.0
	-5681.1	-623.2	-307.0	-1336.0	48484.5	-109493.9
Asta	53	odi	42	85		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-7408.0	608.3	-271.5	1407.3	-49138.1	-99923.5
	-6928.1	631.1	-304.8	-1316.4	-54871.8	-103784.5
43.	-7238.8	608.3	-271.5	1407.3	-37600.7	-74069.7
	-6758.9	631.1	-304.8	-1316.4	-41918.9	-76964.8
85.	-7069.6	608.3	-271.5	1407.3	-26063.2	-48215.8
	-6589.7	631.1	-304.8	-1316.4	-28965.9	-50145.2
128.	-6900.4	608.3	-271.5	1407.3	-14525.8	-22362.0
	-6420.5	631.1	-304.8	-1316.4	-16013.0	-23325.5
170.	-6731.2	608.3	-271.5	1407.3	-2988.3	3491.8
	-6251.3	631.1	-304.8	-1316.4	-3060.0	3494.2
213.	-6562.0	608.3	-271.5	1407.3	8549.1	29345.7
	-6082.1	631.1	-304.8	-1316.4	9892.9	30313.9
255.	-6392.8	608.3	-271.5	1407.3	20086.6	55199.5
	-5912.9	631.1	-304.8	-1316.4	22845.9	57133.6
298.	-6223.6	608.3	-271.5	1407.3	31624.1	81053.4
	-5743.7	631.1	-304.8	-1316.4	35798.8	83953.3
340.	-6054.4	608.3	-271.5	1407.3	43161.5	106907.2
	-5574.5	631.1	-304.8	-1316.4	48751.8	110773.0
Asta	54	odi	44	86		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-15545.4	-286.4	-114.3	1271.8	-19051.8	47720.9
	-15578.8	-251.2	-131.2	-1220.7	-21802.0	42201.4
43.	-15376.2	-286.4	-114.3	1271.8	-14193.3	35549.5
	-15409.6	-251.2	-131.2	-1220.7	-16225.4	31523.3
85.	-15207.0	-286.4	-114.3	1271.8	-9334.8	23378.0
	-15240.4	-251.2	-131.2	-1220.7	-10648.9	20845.3
128.	-15037.8	-286.4	-114.3	1271.8	-4476.3	11206.6
	-15071.2	-251.2	-131.2	-1220.7	-5072.4	10167.2
170.	-14868.6	-286.4	-114.3	1271.8	382.2	-964.8
	-14902.0	-251.2	-131.2	-1220.7	504.2	-510.8
213.	-14699.4	-286.4	-114.3	1271.8	5240.8	-13136.3

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255.	-14732.8	-251.2	-131.2	-1220.7	6080.7	-11188.9
	-14530.2	-286.4	-114.3	1271.8	10099.3	-25307.7
	-14563.6	-251.2	-131.2	-1220.7	11657.3	-21866.9
298.	-14361.0	-286.4	-114.3	1271.8	14957.8	-37479.2
	-14394.4	-251.2	-131.2	-1220.7	17233.8	-32545.0
340.	-14191.8	-286.4	-114.3	1271.8	19816.3	-49650.6
	-14225.2	-251.2	-131.2	-1220.7	22810.4	-43223.0
Asta	55	odi	46	87		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-6984.2	-401.4	-322.4	1419.4	-65197.5	59761.4
	-6578.7	-404.2	-364.7	-1307.2	-72503.0	60182.2
43.	-6815.0	-401.4	-322.4	1419.4	-51493.7	42701.9
	-6409.5	-404.2	-364.7	-1307.2	-57005.0	43001.7
85.	-6645.8	-401.4	-322.4	1419.4	-37789.9	25642.4
	-6240.3	-404.2	-364.7	-1307.2	-41506.9	25821.1
128.	-6476.6	-401.4	-322.4	1419.4	-24086.2	8582.9
	-6071.1	-404.2	-364.7	-1307.2	-26008.9	8640.6
170.	-6307.4	-401.4	-322.4	1419.4	-10382.4	-8476.6
	-5901.9	-404.2	-364.7	-1307.2	-10510.8	-8540.0
213.	-6138.2	-401.4	-322.4	1419.4	3321.3	-25536.0
	-5732.7	-404.2	-364.7	-1307.2	4987.2	-25720.5
255.	-5969.0	-401.4	-322.4	1419.4	17025.1	-42595.5
	-5563.5	-404.2	-364.7	-1307.2	20485.3	-42901.1
298.	-5799.8	-401.4	-322.4	1419.4	30728.8	-59655.0
	-5394.3	-404.2	-364.7	-1307.2	35983.3	-60081.6
340.	-5630.6	-401.4	-322.4	1419.4	44432.6	-76714.5
	-5225.1	-404.2	-364.7	-1307.2	51481.4	-77262.2
Asta	56	odi	48	88		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-8717.9	-422.8	66.8	1960.4	7979.3	33527.5
	-8766.7	-410.0	-12.1	-748.9	-3746.9	31477.4
43.	-8548.7	-422.8	66.8	1960.4	5140.9	15558.8
	-8597.5	-410.0	-12.1	-748.9	-3230.7	14051.1
85.	-8379.5	-422.8	66.8	1960.4	2302.5	-2409.9
	-8428.3	-410.0	-12.1	-748.9	-2714.6	-3375.1
128.	-8210.3	-422.8	66.8	1960.4	-535.9	-20378.6
	-8259.1	-410.0	-12.1	-748.9	-2198.5	-20801.3
170.	-8041.1	-422.8	66.8	1960.4	-3374.3	-38347.4
	-8089.9	-410.0	-12.1	-748.9	-1682.4	-38227.6
213.	-7871.9	-422.8	66.8	1960.4	-6212.6	-56316.1
	-7920.7	-410.0	-12.1	-748.9	-1166.3	-55653.8
255.	-7702.7	-422.8	66.8	1960.4	-9051.0	-74284.8
	-7751.5	-410.0	-12.1	-748.9	-650.2	-73080.0
298.	-7533.5	-422.8	66.8	1960.4	-11889.4	-92253.5
	-7582.3	-410.0	-12.1	-748.9	-134.0	-90506.3
340.	-7364.3	-422.8	66.8	1960.4	-14727.8	-110222.3
	-7413.1	-410.0	-12.1	-748.9	382.1	-107932.5
Asta	57	odi	50	89		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-12734.7	195.4	-34.0	1399.4	778.2	-33967.5
	-12718.8	211.7	-44.0	-1182.3	-647.7	-36552.4
43.	-12565.5	195.4	-34.0	1399.4	2222.7	-25662.5
	-12549.6	211.7	-44.0	-1182.3	1223.7	-27555.1
85.	-12396.3	195.4	-34.0	1399.4	3667.3	-17357.6
	-12380.4	211.7	-44.0	-1182.3	3095.2	-18557.9
128.	-12227.1	195.4	-34.0	1399.4	5111.8	-9052.6
	-12211.2	211.7	-44.0	-1182.3	4966.6	-9560.7
170.	-12057.9	195.4	-34.0	1399.4	6556.4	-747.7
	-12042.0	211.7	-44.0	-1182.3	6838.1	-563.4
213.	-11888.7	195.4	-34.0	1399.4	8000.9	7557.2
	-11872.8	211.7	-44.0	-1182.3	8709.5	8433.8
255.	-11719.5	195.4	-34.0	1399.4	9445.4	15862.2
	-11703.6	211.7	-44.0	-1182.3	10581.0	17431.0
298.	-11550.3	195.4	-34.0	1399.4	10890.0	24167.1
	-11534.4	211.7	-44.0	-1182.3	12452.4	26428.3
340.	-11381.1	195.4	-34.0	1399.4	12334.5	32472.1
	-11365.2	211.7	-44.0	-1182.3	14323.9	35425.5
Asta	58	odi	52	90		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-12862.3	-200.8	-35.0	1247.6	-1024.2	34069.0
	-12807.9	-202.7	-49.1	-1343.1	-3124.4	34297.8
43.	-12693.1	-200.8	-35.0	1247.6	464.4	25535.6
	-12638.7	-202.7	-49.1	-1343.1	-1036.9	25683.2
85.	-12523.9	-200.8	-35.0	1247.6	1952.9	17002.3
	-12469.5	-202.7	-49.1	-1343.1	1050.6	17068.7
128.	-12354.6	-200.8	-35.0	1247.6	3441.5	8468.9
	-12300.3	-202.7	-49.1	-1343.1	3138.1	8454.2
170.	-12185.4	-200.8	-35.0	1247.6	4930.1	-64.4
	-12131.1	-202.7	-49.1	-1343.1	5225.6	-160.4
213.	-12016.2	-200.8	-35.0	1247.6	6418.6	-8597.7
	-11961.9	-202.7	-49.1	-1343.1	7313.1	-8774.9
255.	-11847.0	-200.8	-35.0	1247.6	7907.2	-17131.1
	-11792.7	-202.7	-49.1	-1343.1	9400.6	-17389.5
298.	-11677.8	-200.8	-35.0	1247.6	9395.8	-25664.4
	-11623.5	-202.7	-49.1	-1343.1	11488.1	-26004.0
340.	-11508.6	-200.8	-35.0	1247.6	10884.3	-34197.8
	-11454.3	-202.7	-49.1	-1343.1	13575.6	-34618.5
Asta	59	odi	54	91		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ

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0.	-11110.6	-31.8	-7.0	1388.9	5203.0	4161.2
	-11087.3	-27.2	-16.3	-1310.4	3923.8	3398.8
43.	-10941.4	-31.8	-7.0	1388.9	5499.7	2809.3
	-10918.1	-27.2	-16.3	-1310.4	4618.3	2241.5
85.	-10772.2	-31.8	-7.0	1388.9	5796.4	1457.3
	-10748.9	-27.2	-16.3	-1310.4	5312.8	1084.1
128.	-10603.0	-31.8	-7.0	1388.9	6093.1	105.4
	-10579.7	-27.2	-16.3	-1310.4	6007.2	-73.2
170.	-10433.8	-31.8	-7.0	1388.9	6389.8	-1246.5
	-10410.5	-27.2	-16.3	-1310.4	6701.7	-1230.5
213.	-10264.6	-31.8	-7.0	1388.9	6686.5	-2598.5
	-10241.3	-27.2	-16.3	-1310.4	7396.1	-2387.8
255.	-10095.4	-31.8	-7.0	1388.9	6983.2	-3950.4
	-10072.1	-27.2	-16.3	-1310.4	8090.6	-3545.1
298.	-9926.2	-31.8	-7.0	1388.9	7279.9	-5302.4
	-9902.9	-27.2	-16.3	-1310.4	8785.0	-4702.4
340.	-9757.0	-31.8	-7.0	1388.9	7576.6	-6654.3
	-9733.7	-27.2	-16.3	-1310.4	9479.5	-5859.7

Asta	60	nodì	56	92		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-15820.1	-1560.9	33.0	1940.4	587.6	252831.2
	-15836.1	-1553.9	6.7	-785.4	-4292.1	251657.3
43.	-15650.9	-1560.9	33.0	1940.4	-813.4	186493.1
	-15666.9	-1553.9	6.7	-785.4	-4575.1	185618.2
85.	-15481.7	-1560.9	33.0	1940.4	-2214.5	120155.0
	-15497.7	-1553.9	6.7	-785.4	-4858.0	119579.1
128.	-15312.5	-1560.9	33.0	1940.4	-3615.5	53817.0
	-15328.5	-1553.9	6.7	-785.4	-5141.0	53540.0
170.	-15143.3	-1560.9	33.0	1940.4	-5016.5	-12521.1
	-15159.3	-1553.9	6.7	-785.4	-5423.9	-12499.1
213.	-14974.1	-1560.9	33.0	1940.4	-6417.5	-78859.2
	-14990.1	-1553.9	6.7	-785.4	-5706.9	-78538.2
255.	-14804.9	-1560.9	33.0	1940.4	-7818.5	-145197.3
	-14820.9	-1553.9	6.7	-785.4	-5989.8	-144577.3
298.	-14635.7	-1560.9	33.0	1940.4	-9219.6	-211535.4
	-14651.7	-1553.9	6.7	-785.4	-6272.8	-210616.4
340.	-14466.5	-1560.9	33.0	1940.4	-10620.6	-277873.5
	-14482.5	-1553.9	6.7	-785.4	-6555.8	-276655.5

Asta	61	nodì	58	93		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-5792.9	-146.1	227.7	1337.0	35522.1	23824.1
	-6102.0	-153.9	219.9	-1274.6	34015.2	25208.0
43.	-5623.7	-146.1	227.7	1337.0	25844.4	17615.4
	-5932.8	-153.9	219.9	-1274.6	24671.0	18668.4
85.	-5454.5	-146.1	227.7	1337.0	16166.8	11406.7
	-5763.6	-153.9	219.9	-1274.6	15326.9	12128.9
128.	-5285.3	-146.1	227.7	1337.0	6489.2	5198.0
	-5594.4	-153.9	219.9	-1274.6	5982.7	5589.3
170.	-5116.1	-146.1	227.7	1337.0	-3188.4	-1010.8
	-5425.2	-153.9	219.9	-1274.6	-3361.5	-950.2
213.	-4946.9	-146.1	227.7	1337.0	-12866.0	-7219.5
	-5256.0	-153.9	219.9	-1274.6	-12705.6	-7489.8
255.	-4777.7	-146.1	227.7	1337.0	-22543.7	-13428.2
	-5086.8	-153.9	219.9	-1274.6	-22049.8	-14029.3
298.	-4608.5	-146.1	227.7	1337.0	-32221.3	-19636.9
	-4917.6	-153.9	219.9	-1274.6	-31393.9	-20568.9
340.	-4439.3	-146.1	227.7	1337.0	-41898.9	-25845.7
	-4748.4	-153.9	219.9	-1274.6	-40738.1	-27108.4

Asta	62	nodì	60	94		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-15154.2	-51.9	58.4	1335.9	7312.0	11838.2
	-15150.2	-75.2	55.9	-1257.0	6806.4	15617.9
43.	-14985.0	-51.9	58.4	1335.9	4829.4	9634.1
	-14981.0	-75.2	55.9	-1257.0	4430.6	12420.3
85.	-14815.8	-51.9	58.4	1335.9	2346.8	7430.0
	-14811.8	-75.2	55.9	-1257.0	2054.9	9222.6
128.	-14646.6	-51.9	58.4	1335.9	-135.8	5225.9
	-14642.6	-75.2	55.9	-1257.0	-320.9	6025.0
170.	-14477.4	-51.9	58.4	1335.9	-2618.3	3021.7
	-14473.3	-75.2	55.9	-1257.0	-2696.7	2827.4
213.	-14308.2	-51.9	58.4	1335.9	-5100.9	817.6
	-14304.1	-75.2	55.9	-1257.0	-5072.5	-370.2
255.	-14139.0	-51.9	58.4	1335.9	-7583.5	-1386.5
	-14134.9	-75.2	55.9	-1257.0	-7448.3	-3567.9
298.	-13969.8	-51.9	58.4	1335.9	-10066.1	-3590.6
	-13965.7	-75.2	55.9	-1257.0	-9824.0	-6765.5
340.	-13800.6	-51.9	58.4	1335.9	-12548.6	-5794.7
	-13796.5	-75.2	55.9	-1257.0	-12199.8	-9963.1

Asta	63	nodì	62	95		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-11251.6	128.5	37.7	1344.5	5088.9	-22552.8
	-11252.3	104.8	36.2	-1283.6	4818.6	-18659.7
43.	-11082.4	128.5	37.7	1344.5	3488.0	-17089.5
	-11083.1	104.8	36.2	-1283.6	3278.8	-14203.8
85.	-10913.2	128.5	37.7	1344.5	1887.2	-11626.2
	-10913.9	104.8	36.2	-1283.6	1739.1	-9747.9
128.	-10744.0	128.5	37.7	1344.5	286.4	-6163.0
	-10744.7	104.8	36.2	-1283.6	199.3	-5292.0
170.	-10574.7	128.5	37.7	1344.5	-1314.4	-699.7
	-10575.5	104.8	36.2	-1283.6	-1340.4	-836.1

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213.	-10405.5	128.5	37.7	1344.5	-2915.3	4763.6
	-10406.3	104.8	36.2	-1283.6	-2880.1	3619.7
255.	-10236.3	128.5	37.7	1344.5	-4516.1	10226.9
	-10237.1	104.8	36.2	-1283.6	-4419.9	8075.6
298.	-10067.1	128.5	37.7	1344.5	-6116.9	15690.2
	-10067.9	104.8	36.2	-1283.6	-5959.6	12531.5
340.	-9897.9	128.5	37.7	1344.5	-7717.8	21153.5
	-9898.7	104.8	36.2	-1283.6	-7499.4	16987.4
Asta	64	nodì	64	96		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-11852.9	333.7	92.9	1312.7	17022.3	-53585.7
	-11858.8	312.3	90.7	-1288.0	16704.8	-50120.7
43.	-11683.7	333.7	92.9	1312.7	13075.9	-39402.8
	-11689.6	312.3	90.7	-1288.0	12848.2	-36846.6
85.	-11514.5	333.7	92.9	1312.7	9129.4	-25220.0
	-11520.4	312.3	90.7	-1288.0	8991.6	-23572.6
128.	-11345.3	333.7	92.9	1312.7	5182.9	-11037.1
	-11351.2	312.3	90.7	-1288.0	5134.9	-10298.5
170.	-11176.1	333.7	92.9	1312.7	1236.5	3145.7
	-11182.0	312.3	90.7	-1288.0	1278.3	2975.6
213.	-11006.9	333.7	92.9	1312.7	-2710.0	17328.6
	-11012.8	312.3	90.7	-1288.0	-2578.3	16249.6
255.	-10837.7	333.7	92.9	1312.7	-6656.5	31511.4
	-10843.6	312.3	90.7	-1288.0	-6435.0	29523.7
298.	-10668.5	333.7	92.9	1312.7	-10602.9	45694.3
	-10674.4	312.3	90.7	-1288.0	-10291.6	42797.7
340.	-10499.3	333.7	92.9	1312.7	-14549.4	59877.1
	-10505.2	312.3	90.7	-1288.0	-14148.2	56071.8
Asta	65	nodì	92	97		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3010.3	-765.1	4.1	-776.1	1947.2	207956.4
	-3006.7	-760.0	4.4	-877.3	2163.4	206778.0
40.	-2851.0	-765.1	4.1	-776.1	1781.7	177351.3
	-2847.5	-760.0	4.4	-877.3	1985.8	176379.7
80.	-2691.8	-765.1	4.1	-776.1	1616.3	146746.3
	-2688.2	-760.0	4.4	-877.3	1808.2	145981.3
120.	-2532.5	-765.1	4.1	-776.1	1450.9	116141.3
	-2529.0	-760.0	4.4	-877.3	1630.5	115583.0
160.	-2373.3	-765.1	4.1	-776.1	1285.4	85536.2
	-2369.7	-760.0	4.4	-877.3	1452.9	85184.6
200.	-2214.0	-765.1	4.1	-776.1	1120.0	54931.2
	-2210.5	-760.0	4.4	-877.3	1275.3	54786.2
240.	-2054.8	-765.1	4.1	-776.1	954.6	24326.2
	-2051.2	-760.0	4.4	-877.3	1097.7	24387.9
280.	-1895.5	-765.1	4.1	-776.1	789.1	-6278.9
	-1892.0	-760.0	4.4	-877.3	920.1	-6010.5
320.	-1736.3	-765.1	4.1	-776.1	623.7	-36883.9
	-1732.7	-760.0	4.4	-877.3	742.4	-36408.8
Asta	66	nodì	77	98		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1785.3	165.7	-2.2	-875.4	-804.7	-43655.8
	-1793.4	164.6	-1.0	-1132.3	-396.9	-43414.5
40.	-1626.0	165.7	-2.2	-875.4	-716.7	-37026.8
	-1634.1	164.6	-1.0	-1132.3	-357.2	-36829.5
80.	-1466.8	165.7	-2.2	-875.4	-628.7	-30397.9
	-1474.9	164.6	-1.0	-1132.3	-317.5	-30244.5
120.	-1307.5	165.7	-2.2	-875.4	-540.7	-23769.0
	-1315.6	164.6	-1.0	-1132.3	-277.8	-23659.5
160.	-1148.3	165.7	-2.2	-875.4	-452.6	-17140.0
	-1156.4	164.6	-1.0	-1132.3	-238.1	-17074.5
200.	-989.0	165.7	-2.2	-875.4	-364.6	-10511.1
	-997.1	164.6	-1.0	-1132.3	-198.4	-10489.5
240.	-829.8	165.7	-2.2	-875.4	-276.6	-3882.2
	-837.9	164.6	-1.0	-1132.3	-158.7	-3904.5
280.	-670.5	165.7	-2.2	-875.4	-188.6	2746.8
	-678.6	164.6	-1.0	-1132.3	-119.0	2680.5
320.	-511.3	165.7	-2.2	-875.4	-100.6	9375.7
	-519.4	164.6	-1.0	-1132.3	-79.3	9265.6
Asta	67	nodì	76	99		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2362.7	599.4	-1.9	-470.0	-1142.5	-129167.9
	-2358.2	595.3	-3.4	-718.9	-1766.5	-128434.5
40.	-2203.5	599.4	-1.9	-470.0	-1065.0	-105191.8
	-2199.0	595.3	-3.4	-718.9	-1628.6	-104621.1
80.	-2044.2	599.4	-1.9	-470.0	-987.6	-81215.7
	-2039.7	595.3	-3.4	-718.9	-1490.7	-80807.8
120.	-1885.0	599.4	-1.9	-470.0	-910.2	-57239.6
	-1880.5	595.3	-3.4	-718.9	-1352.8	-56994.4
160.	-1725.7	599.4	-1.9	-470.0	-832.8	-33263.5
	-1721.2	595.3	-3.4	-718.9	-1214.8	-33181.1
200.	-1566.5	599.4	-1.9	-470.0	-755.4	-9287.4
	-1562.0	595.3	-3.4	-718.9	-1076.9	-9367.7
240.	-1407.2	599.4	-1.9	-470.0	-678.0	14688.7
	-1402.7	595.3	-3.4	-718.9	-939.0	14445.6
280.	-1248.0	599.4	-1.9	-470.0	-600.5	38664.8
	-1243.5	595.3	-3.4	-718.9	-801.1	38258.9
320.	-1088.7	599.4	-1.9	-470.0	-523.1	62640.9
	-1084.2	595.3	-3.4	-718.9	-663.2	62072.3
Asta	68	nodì	70	100		

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PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2349.4	424.9	2.5	436.4	1154.9	-67506.4
	-2349.3	424.7	-1.2	-215.2	-560.9	-67472.7
40.	-2190.2	424.9	2.5	436.4	1054.1	-50510.8
	-2190.1	424.7	-1.2	-215.2	-512.4	-50483.0
80.	-2030.9	424.9	2.5	436.4	953.2	-33515.2
	-2030.8	424.7	-1.2	-215.2	-464.0	-33493.3
120.	-1871.7	424.9	2.5	436.4	852.4	-16519.6
	-1871.6	424.7	-1.2	-215.2	-415.6	-16503.6
160.	-1712.4	424.9	2.5	436.4	751.6	476.0
	-1712.3	424.7	-1.2	-215.2	-367.2	486.1
200.	-1553.2	424.9	2.5	436.4	650.8	17471.6
	-1553.1	424.7	-1.2	-215.2	-318.8	17475.8
240.	-1393.9	424.9	2.5	436.4	549.9	34467.2
	-1393.8	424.7	-1.2	-215.2	-270.3	34465.5
280.	-1234.7	424.9	2.5	436.4	449.1	51462.8
	-1234.6	424.7	-1.2	-215.2	-221.9	51455.2
320.	-1075.4	424.9	2.5	436.4	348.3	68458.4
	-1075.3	424.7	-1.2	-215.2	-173.5	68444.8
Asta	69	nod	71	101		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1788.9	301.3	0.2	605.8	189.7	-51123.7
	-1789.1	301.2	-0.1	-302.5	-113.9	-51118.3
40.	-1629.7	301.3	0.2	605.8	182.6	-39072.9
	-1629.8	301.2	-0.1	-302.5	-109.2	-39068.9
80.	-1470.4	301.3	0.2	605.8	175.5	-27022.2
	-1470.6	301.2	-0.1	-302.5	-104.4	-27019.4
120.	-1311.2	301.3	0.2	605.8	168.4	-14971.5
	-1311.3	301.2	-0.1	-302.5	-99.6	-14969.9
160.	-1151.9	301.3	0.2	605.8	161.3	-2920.7
	-1152.1	301.2	-0.1	-302.5	-94.8	-2920.5
200.	-992.7	301.3	0.2	605.8	154.2	9130.0
	-992.8	301.2	-0.1	-302.5	-90.0	9129.0
240.	-833.4	301.3	0.2	605.8	147.1	21180.8
	-833.6	301.2	-0.1	-302.5	-85.2	21178.5
280.	-674.2	301.3	0.2	605.8	140.1	33231.5
	-674.3	301.2	-0.1	-302.5	-80.4	33228.0
320.	-514.9	301.3	0.2	605.8	133.0	45282.3
	-515.1	301.2	-0.1	-302.5	-75.7	45277.4
Asta	70	nod	72	102		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2185.2	-140.6	-0.9	591.0	-384.5	19052.5
	-2185.2	-140.6	0.2	-323.5	100.6	19038.8
40.	-2025.9	-140.6	-0.9	591.0	-349.0	13427.0
	-2026.0	-140.6	0.2	-323.5	93.6	13416.5
80.	-1866.7	-140.6	-0.9	591.0	-313.6	7801.5
	-1866.7	-140.6	0.2	-323.5	86.5	7794.2
120.	-1707.4	-140.6	-0.9	591.0	-278.2	2176.0
	-1707.5	-140.6	0.2	-323.5	79.5	2171.9
160.	-1548.2	-140.6	-0.9	591.0	-242.8	-3449.4
	-1548.2	-140.6	0.2	-323.5	72.5	-3450.4
200.	-1388.9	-140.6	-0.9	591.0	-207.3	-9074.9
	-1389.0	-140.6	0.2	-323.5	65.5	-9072.7
240.	-1229.7	-140.6	-0.9	591.0	-171.9	-14700.4
	-1229.7	-140.6	0.2	-323.5	58.4	-14695.0
280.	-1070.4	-140.6	-0.9	591.0	-136.5	-20325.9
	-1070.5	-140.6	0.2	-323.5	51.4	-20317.3
320.	-911.2	-140.6	-0.9	591.0	-101.1	-25951.4
	-911.2	-140.6	0.2	-323.5	44.4	-25939.6
Asta	71	nod	73	103		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2238.1	-585.5	-1.8	376.8	-960.1	132869.3
	-2238.1	-585.4	1.2	-226.4	574.2	132849.9
40.	-2078.9	-585.5	-1.8	376.8	-887.6	109448.4
	-2078.8	-585.4	1.2	-226.4	528.0	109433.1
80.	-1919.6	-585.5	-1.8	376.8	-815.1	86027.5
	-1919.6	-585.4	1.2	-226.4	481.8	86016.2
120.	-1760.4	-585.5	-1.8	376.8	-742.6	62606.7
	-1760.3	-585.4	1.2	-226.4	435.7	62599.3
160.	-1601.1	-585.5	-1.8	376.8	-670.2	39185.8
	-1601.1	-585.4	1.2	-226.4	389.5	39182.5
200.	-1441.9	-585.5	-1.8	376.8	-597.7	15765.0
	-1441.8	-585.4	1.2	-226.4	343.3	15765.6
240.	-1282.6	-585.5	-1.8	376.8	-525.2	-7655.9
	-1282.6	-585.4	1.2	-226.4	297.1	-7651.3
280.	-1123.4	-585.5	-1.8	376.8	-452.7	-31076.8
	-1123.3	-585.4	1.2	-226.4	251.0	-31068.1
320.	-964.1	-585.5	-1.8	376.8	-380.2	-54497.6
	-964.1	-585.4	1.2	-226.4	204.8	-54485.0
Asta	72	nod	63	9		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-25.8	6025.6	7.5	-33593.3	1325.4	-194359.4
	-23.8	6042.4	5.7	-32184.3	1033.9	-196071.4
34.	-25.8	4308.7	7.5	-33593.3	1067.2	-17385.0
	-23.8	4325.6	5.7	-32184.3	838.5	-18520.2
69.	-25.8	2591.9	7.5	-33593.3	809.0	100787.2
	-23.8	2608.7	5.7	-32184.3	643.0	100228.8
103.	-25.8	875.0	7.5	-33593.3	550.9	160157.1
	-23.8	891.8	5.7	-32184.3	447.6	160175.6
137.	-25.8	-841.9	7.5	-33593.3	292.7	160724.9

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171.	-23.8	-825.0	5.7	-32184.3	252.1	161320.2
	-25.8	-2558.7	7.5	-33593.3	34.5	102490.4
	-23.8	-2541.9	5.7	-32184.3	56.7	103662.5
206.	-25.8	-4275.6	7.5	-33593.3	-223.6	-14546.3
	-23.8	-4258.7	5.7	-32184.3	-138.8	-12797.3
240.	-25.8	-5992.4	7.5	-33593.3	-481.8	-190385.3
	-23.8	-5975.6	5.7	-32184.3	-334.2	-188059.4
274.	-25.8	-7709.3	7.5	-33593.3	-740.0	-425026.4
	-23.8	-7692.4	5.7	-32184.3	-529.7	-422123.7
Asta	73	odi	1	3		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-16.9	9945.7	0.4	19069.1	1.5	-629246.4
	-17.6	9999.1	-0.6	21562.9	-128.4	-641749.1
50.	-16.9	7461.3	0.4	19069.1	-16.3	-197877.6
	-17.6	7514.6	-0.6	21562.9	-99.8	-207738.3
99.	-16.9	4976.9	0.4	19069.1	-34.0	110357.0
	-17.6	5030.2	-0.6	21562.9	-71.3	103138.3
149.	-16.9	2492.5	0.4	19069.1	-51.8	295457.3
	-17.6	2545.8	-0.6	21562.9	-42.7	290880.5
198.	-16.9	8.0	0.4	19069.1	-69.5	357423.3
	-17.6	61.4	-0.6	21562.9	-14.1	355488.5
248.	-16.9	-2476.4	0.4	19069.1	-87.3	296255.0
	-17.6	-2423.1	-0.6	21562.9	14.5	296962.2
297.	-16.9	-4960.8	0.4	19069.1	-105.0	111952.4
	-17.6	-4907.5	-0.6	21562.9	43.1	115301.6
347.	-16.9	-7445.2	0.4	19069.1	-122.8	-195484.4
	-17.6	-7391.9	-0.6	21562.9	71.6	-189493.3
397.	-16.9	-9929.7	0.4	19069.1	-140.5	-626055.6
	-17.6	-9876.3	-0.6	21562.9	100.2	-617422.5
Asta	74	odi	3	5		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-7.2	9747.1	0.7	-5404.1	164.3	-614611.0
	-8.9	9782.7	-0.7	-4343.5	-149.9	-620814.8
50.	-7.2	7240.7	0.7	-5404.1	127.4	-189917.3
	-8.9	7276.4	-0.7	-4343.5	-114.0	-194336.8
100.	-7.2	4734.3	0.7	-5404.1	90.4	109458.7
	-8.9	4770.0	-0.7	-4343.5	-78.1	106823.5
150.	-7.2	2228.0	0.7	-5404.1	53.4	283516.9
	-8.9	2263.7	-0.7	-4343.5	-42.2	282666.1
200.	-7.2	-278.4	0.7	-5404.1	16.5	332257.4
	-8.9	-242.7	-0.7	-4343.5	-6.3	333190.9
250.	-7.2	-2784.7	0.7	-5404.1	-20.5	255680.2
	-8.9	-2749.0	-0.7	-4343.5	29.6	258397.9
300.	-7.2	-5291.1	0.7	-5404.1	-57.4	53785.1
	-8.9	-5255.4	-0.7	-4343.5	65.5	58287.2
350.	-7.2	-7797.4	0.7	-5404.1	-94.4	-273427.6
	-8.9	-7761.7	-0.7	-4343.5	101.4	-267141.2
400.	-7.2	-10303.8	0.7	-5404.1	-131.4	-725958.2
	-8.9	-10268.1	-0.7	-4343.5	137.3	-717887.4
Asta	75	odi	5	7		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.2	10505.5	1.7	5753.4	280.8	-740523.1
	-6.0	10523.3	0.7	6819.0	94.7	-744366.2
50.	-1.2	7983.5	1.7	5753.4	193.0	-275410.6
	-6.0	8001.3	0.7	6819.0	57.8	-278357.6
101.	-1.2	5461.4	1.7	5753.4	105.2	62812.8
	-6.0	5479.3	0.7	6819.0	20.9	60761.9
151.	-1.2	2939.4	1.7	5753.4	17.3	274147.0
	-6.0	2957.2	0.7	6819.0	-16.0	272992.2
201.	-1.2	417.4	1.7	5753.4	-70.5	358592.2
	-6.0	435.2	0.7	6819.0	-52.8	358333.4
252.	-1.2	-2104.6	1.7	5753.4	-158.3	316148.2
	-6.0	-2086.8	0.7	6819.0	-89.7	316785.5
302.	-1.2	-4626.6	1.7	5753.4	-246.1	146815.1
	-6.0	-4608.8	0.7	6819.0	-126.6	148348.5
352.	-1.2	-7148.7	1.7	5753.4	-334.0	-149407.1
	-6.0	-7130.8	0.7	6819.0	-163.5	-146977.6
403.	-1.2	-9670.7	1.7	5753.4	-421.8	-572518.4
	-6.0	-9652.9	0.7	6819.0	-200.4	-569192.8
Asta	76	odi	7	57		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	5.9	7264.4	1.1	-9050.2	213.0	-380980.4
	0.8	7297.4	-0.8	-8073.8	-89.8	-385330.4
37.	5.9	5409.7	1.1	-9050.2	173.2	-146508.3
	0.8	5442.7	-0.8	-8073.8	-60.3	-149639.9
74.	5.9	3555.0	1.1	-9050.2	133.4	19339.7
	0.8	3588.0	-0.8	-8073.8	-30.8	17426.5
111.	5.9	1700.3	1.1	-9050.2	93.6	116563.8
	0.8	1733.3	-0.8	-8073.8	-1.2	115868.9
148.	5.9	-154.4	1.1	-9050.2	53.8	145163.8
	0.8	-121.4	-0.8	-8073.8	28.3	145687.3
185.	5.9	-2009.1	1.1	-9050.2	13.9	105139.9
	0.8	-1976.2	-0.8	-8073.8	57.9	106881.8
222.	5.9	-3863.8	1.1	-9050.2	-25.9	-3508.1
	0.8	-3830.9	-0.8	-8073.8	87.4	-547.8
259.	5.9	-5718.5	1.1	-9050.2	-65.7	-180780.1
	0.8	-5685.6	-0.8	-8073.8	116.9	-176601.4
296.	5.9	-7573.2	1.1	-9050.2	-105.5	-426676.0
	0.8	-7540.3	-0.8	-8073.8	146.5	-421279.0

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Asta PROGR.	77 NORM	nod TY	57 TZZ	59 TORS	MY	MZ
0.	6.7	9629.1	-2.5	6964.2	-237.5	-650198.1
	5.1	9647.3	-3.5	8063.5	-401.9	-653854.1
44.	6.7	7401.6	-2.5	6964.2	-127.0	-271795.6
	5.1	7419.8	-3.5	8063.5	-245.8	-274646.1
89.	6.7	5174.1	-2.5	6964.2	-16.5	7621.4
	5.1	5192.2	-3.5	8063.5	-89.7	5576.4
133.	6.7	2946.6	-2.5	6964.2	94.0	188052.8
	5.1	2964.7	-3.5	8063.5	66.5	186813.3
178.	6.7	719.1	-2.5	6964.2	204.5	269498.6
	5.1	737.2	-3.5	8063.5	222.6	269064.7
222.	6.7	-1508.5	-2.5	6964.2	315.0	251959.0
	5.1	-1490.3	-3.5	8063.5	378.7	252330.5
267.	6.7	-3736.0	-2.5	6964.2	425.4	135433.7
	5.1	-3717.9	-3.5	8063.5	534.8	136610.8
311.	6.7	-5963.5	-2.5	6964.2	535.9	-80077.1
	5.1	-5945.4	-3.5	8063.5	691.0	-78094.5
356.	6.7	-8191.0	-2.5	6964.2	646.4	-394573.4
	5.1	-8172.9	-3.5	8063.5	847.1	-391785.4
Asta PROGR.	78 NORM	nod TY	59 TZZ	61 TORS	MY	MZ
0.	-2.0	8024.0	-4.4	-562.4	-886.6	-440867.2
	-5.6	8054.8	-6.1	494.6	-1164.8	-445573.7
37.	-2.0	6166.2	-4.4	-562.4	-724.8	-177904.4
	-5.6	6197.0	-6.1	494.6	-937.2	-181470.3
74.	-2.0	4308.4	-4.4	-562.4	-563.0	16202.4
	-5.6	4339.1	-6.1	494.6	-709.6	13777.1
111.	-2.0	2450.5	-4.4	-562.4	-401.2	141453.2
	-5.6	2481.3	-6.1	494.6	-482.0	140168.5
148.	-2.0	592.7	-4.4	-562.4	-239.4	197847.9
	-5.6	623.5	-6.1	494.6	-254.3	197703.8
185.	-2.0	-1265.1	-4.4	-562.4	-77.7	185386.7
	-5.6	-1234.4	-6.1	494.6	-26.7	186383.1
222.	-2.0	-3123.0	-4.4	-562.4	84.1	104069.3
	-5.6	-3092.2	-6.1	494.6	200.9	106206.4
259.	-2.0	-4980.8	-4.4	-562.4	245.9	-46104.0
	-5.6	-4950.0	-6.1	494.6	428.5	-42826.4
297.	-2.0	-6838.6	-4.4	-562.4	407.7	-265133.4
	-5.6	-6807.9	-6.1	494.6	656.2	-260715.2
Asta PROGR.	79 NORM	nod TY	61 TZZ	63 TORS	MY	MZ
0.	3.7	6051.0	7.4	-4025.2	604.4	-193736.2
	-1.4	6083.8	5.2	-2964.5	334.6	-197846.0
34.	3.7	4365.4	7.4	-4025.2	355.6	-18610.1
	-1.4	4398.3	5.2	-2964.5	161.0	-21614.7
67.	3.7	2679.9	7.4	-4025.2	106.8	99840.2
	-1.4	2712.8	5.2	-2964.5	-12.5	97940.9
101.	3.7	994.4	7.4	-4025.2	-141.9	161614.7
	-1.4	1027.3	5.2	-2964.5	-186.0	160820.7
135.	3.7	-691.1	7.4	-4025.2	-390.7	166713.5
	-1.4	-658.3	5.2	-2964.5	-359.5	167024.8
168.	3.7	-2376.6	7.4	-4025.2	-639.5	115136.6
	-1.4	-2343.8	5.2	-2964.5	-533.1	116553.2
202.	3.7	-4062.2	7.4	-4025.2	-888.3	6884.0
	-1.4	-4029.3	5.2	-2964.5	-706.6	9405.8
235.	3.7	-5747.7	7.4	-4025.2	-1137.0	-158044.4
	-1.4	-5714.8	5.2	-2964.5	-880.1	-154417.3
269.	3.7	-7433.2	7.4	-4025.2	-1385.8	-379648.5
	-1.4	-7400.3	5.2	-2964.5	-1053.6	-374916.1
Asta PROGR.	80 NORM	nod TY	49 TZZ	31 TORS	MY	MZ
0.	-14.5	4454.5	-23.3	-7803.3	-4921.7	-195609.6
	-7.3	4418.0	-26.5	-6254.9	-5521.6	-190440.8
39.	-14.5	3110.0	-23.3	-7803.3	-4013.0	-48339.0
	-7.3	3073.4	-26.5	-6254.9	-4491.5	-44592.8
78.	-14.5	1765.4	-23.3	-7803.3	-3104.3	46577.8
	-7.3	1728.9	-26.5	-6254.9	-3461.4	48901.4
117.	-14.5	420.8	-23.3	-7803.3	-2195.6	89140.9
	-7.3	384.3	-26.5	-6254.9	-2431.2	90041.9
156.	-14.5	-923.7	-23.3	-7803.3	-1286.8	79350.3
	-7.3	-960.3	-26.5	-6254.9	-1401.1	78828.6
195.	-14.5	-2268.3	-23.3	-7803.3	-378.1	17205.8
	-7.3	-2304.8	-26.5	-6254.9	-371.0	15261.6
234.	-14.5	-3612.8	-23.3	-7803.3	530.6	-97292.3
	-7.3	-3649.4	-26.5	-6254.9	659.1	-100659.2
273.	-14.5	-4957.4	-23.3	-7803.3	1439.3	-264144.2
	-7.3	-4993.9	-26.5	-6254.9	1689.3	-268933.7
312.	-14.5	-6302.0	-23.3	-7803.3	2348.1	-483349.9
	-7.3	-6338.5	-26.5	-6254.9	2719.4	-489562.0
Asta PROGR.	81 NORM	nod TY	51 TZZ	49 TORS	MY	MZ
0.	-11.5	5700.1	1.4	-580.2	2695.5	-294181.2
	-9.5	5686.4	-0.6	365.2	2550.7	-290979.3
41.	-11.5	4284.3	1.4	-580.2	2639.6	-89501.1
	-9.5	4270.6	-0.6	365.2	2573.6	-86861.0
82.	-11.5	2868.5	1.4	-580.2	2583.7	57132.1
	-9.5	2854.8	-0.6	365.2	2596.5	59210.4
123.	-11.5	1452.8	1.4	-580.2	2527.8	145718.3
	-9.5	1439.0	-0.6	365.2	2619.4	147234.8

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164.	-11.5	37.0	1.4	-580.2	2471.8	176257.6
	-9.5	23.3	-0.6	365.2	2642.3	177212.3
205.	-11.5	-1378.8	1.4	-580.2	2415.9	148749.9
	-9.5	-1392.5	-0.6	365.2	2665.3	149142.9
246.	-11.5	-2794.6	1.4	-580.2	2360.0	63195.3
	-9.5	-2808.3	-0.6	365.2	2688.2	63026.5
287.	-11.5	-4210.4	1.4	-580.2	2304.1	-80406.2
	-9.5	-4224.1	-0.6	365.2	2711.1	-81136.9
328.	-11.5	-5626.1	1.4	-580.2	2248.2	-282054.7
	-9.5	-5639.8	-0.6	365.2	2734.0	-283347.2
Asta	82	nodì	29	51		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.9	6036.9	26.0	5175.1	2643.9	-428274.6
	0.1	6079.6	26.4	5095.3	2654.0	-436542.1
38.	-0.9	4709.6	26.0	5175.1	1643.0	-221739.6
	0.1	4752.3	26.4	5095.3	1640.3	-228367.4
77.	-0.9	3382.3	26.0	5175.1	642.1	-66222.6
	0.1	3425.0	26.4	5095.3	626.7	-71210.5
115.	-0.9	2055.0	26.0	5175.1	-358.8	38276.7
	0.1	2097.7	26.4	5095.3	-387.0	34928.5
154.	-0.9	727.7	26.0	5175.1	-1359.7	91758.1
	0.1	770.4	26.4	5095.3	-1400.7	90049.7
192.	-0.9	-599.6	26.0	5175.1	-2360.6	94221.7
	0.1	-556.9	26.4	5095.3	-2414.3	94153.1
231.	-0.9	-1926.8	26.0	5175.1	-3361.5	45667.5
	0.1	-1884.2	26.4	5095.3	-3428.0	47238.6
269.	-0.9	-3254.1	26.0	5175.1	-4362.4	-53904.5
	0.1	-3211.5	26.4	5095.3	-4441.7	-50693.6
308.	-0.9	-4581.4	26.0	5175.1	-5363.3	-204494.4
	0.1	-4538.8	26.4	5095.3	-5455.3	-199643.7
Asta	83	nodì	37	35		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-4.7	7891.5	-0.4	5432.9	-201.9	-553312.4
	-5.4	7870.7	-1.4	6726.6	-465.6	-549404.3
53.	-4.7	5948.8	-0.4	5432.9	-181.2	-188708.2
	-5.4	5928.1	-1.4	6726.6	-390.4	-185891.9
105.	-4.7	4006.1	-0.4	5432.9	-160.6	73540.7
	-5.4	3985.4	-1.4	6726.6	-315.1	75265.1
158.	-4.7	2063.4	-0.4	5432.9	-139.9	233434.2
	-5.4	2042.7	-1.4	6726.6	-239.9	234066.7
211.	-4.7	120.7	-0.4	5432.9	-119.3	290972.3
	-5.4	100.0	-1.4	6726.6	-164.7	290512.9
263.	-4.7	-1822.0	-0.4	5432.9	-98.6	246155.0
	-5.4	-1842.7	-1.4	6726.6	-89.4	244603.7
316.	-4.7	-3764.7	-0.4	5432.9	-77.9	98982.4
	-5.4	-3785.4	-1.4	6726.6	-14.2	96339.2
369.	-4.7	-5707.3	-0.4	5432.9	-57.3	-150545.7
	-5.4	-5728.1	-1.4	6726.6	61.0	-154280.8
422.	-4.7	-7650.0	-0.4	5432.9	-36.6	-502429.1
	-5.4	-7670.8	-1.4	6726.6	136.3	-507256.1
Asta	84	nodì	39	37		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-16.2	8597.1	-0.9	-12924.1	-122.5	-637891.1
	-16.0	8573.1	-1.6	-12168.9	-227.0	-631875.6
58.	-16.2	6456.3	-0.9	-12924.1	-70.7	-200872.6
	-16.0	6432.2	-1.6	-12168.9	-135.6	-196254.7
116.	-16.2	4315.4	-0.9	-12924.1	-18.9	111841.4
	-16.0	4291.3	-1.6	-12168.9	-44.2	115061.5
174.	-16.2	2174.5	-0.9	-12924.1	32.9	300250.8
	-16.0	2150.4	-1.6	-12168.9	47.1	302073.3
232.	-16.2	33.6	-0.9	-12924.1	84.7	364355.7
	-16.0	9.6	-1.6	-12168.9	138.5	364780.5
290.	-16.2	-2107.2	-0.9	-12924.1	136.6	304156.1
	-16.0	-2131.3	-1.6	-12168.9	229.9	303183.2
348.	-16.2	-4248.1	-0.9	-12924.1	188.4	119651.9
	-16.0	-4272.2	-1.6	-12168.9	321.3	117281.3
406.	-16.2	-6389.0	-0.9	-12924.1	240.2	-189156.8
	-16.0	-6413.1	-1.6	-12168.9	412.7	-192925.1
465.	-16.2	-8529.9	-0.9	-12924.1	292.0	-622270.0
	-16.0	-8553.9	-1.6	-12168.9	504.0	-627436.1
Asta	85	nodì	43	41		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-17.3	8520.9	2.0	11416.1	599.2	-616198.4
	-15.9	8499.7	1.1	13042.9	376.9	-611613.0
58.	-17.3	6380.0	2.0	11416.1	482.6	-183606.3
	-15.9	6358.8	1.1	13042.9	310.4	-180253.7
116.	-17.3	4239.1	2.0	11416.1	366.0	124681.2
	-15.9	4217.9	1.1	13042.9	243.9	126801.1
174.	-17.3	2098.3	2.0	11416.1	249.4	308664.1
	-15.9	2077.0	1.1	13042.9	177.5	309551.3
232.	-17.3	-42.6	2.0	11416.1	132.8	368342.5
	-15.9	-63.8	1.1	13042.9	111.0	367997.0
290.	-17.3	-2183.5	2.0	11416.1	16.2	303716.4
	-15.9	-2204.7	1.1	13042.9	44.5	302138.2
348.	-17.3	-4324.4	2.0	11416.1	-100.5	114785.8
	-15.9	-4345.6	1.1	13042.9	-22.0	111974.8
406.	-17.3	-6465.2	2.0	11416.1	-217.1	-198449.4
	-15.9	-6486.5	1.1	13042.9	-88.5	-202493.1
465.	-17.3	-8606.1	2.0	11416.1	-333.7	-635989.1
	-15.9	-8627.3	1.1	13042.9	-155.0	-641265.5

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Asta PROGR.	86 NORM	odi TYY	45 TZZ	43 TORS	MY	MZZ
0.	-6.8	7100.4	1.4	-5063.1	41.4	-435423.7
	-6.0	7054.9	0.4	-5445.4	-111.6	-425461.9
49.	-6.8	5291.3	1.4	-5063.1	-26.7	-131439.2
	-6.0	5245.9	0.4	-5445.4	-130.5	-123709.0
98.	-6.8	3482.3	1.4	-5063.1	-94.8	83789.9
	-6.0	3436.8	0.4	-5445.4	-149.3	89288.5
147.	-6.8	1673.3	1.4	-5063.1	-163.0	210263.6
	-6.0	1627.8	0.4	-5445.4	-168.1	213530.6
196.	-6.8	-135.7	1.4	-5063.1	-231.1	247981.8
	-6.0	-181.2	0.4	-5445.4	-186.9	249017.3
245.	-6.8	-1944.8	1.4	-5063.1	-299.2	196944.7
	-6.0	-1990.2	0.4	-5445.4	-205.7	195748.5
294.	-6.8	-3753.8	1.4	-5063.1	-367.3	57152.1
	-6.0	-3799.3	0.4	-5445.4	-224.5	53724.4
343.	-6.8	-5562.8	1.4	-5063.1	-435.5	-171395.9
	-6.0	-5608.3	0.4	-5445.4	-243.3	-177055.2
393.	-6.8	-7371.8	1.4	-5063.1	-503.6	-488699.3
	-6.0	-7417.3	0.4	-5445.4	-262.1	-496590.2

Asta PROGR.	87 NORM	odi TYY	35 TZZ	104 TORS	MY	MZZ
0.	-2.4	3403.5	17.7	66878.3	2215.7	-206756.1
	-3.0	3422.7	16.8	67788.5	2074.2	-210401.2
45.	-2.4	2596.1	17.7	66878.3	1428.4	-73077.2
	-3.0	2615.2	16.8	67788.5	1324.2	-75868.7
89.	-2.4	1788.6	17.7	66878.3	641.1	24618.7
	-3.0	1807.8	16.8	67788.5	574.2	22680.9
134.	-2.4	981.1	17.7	66878.3	-146.2	86331.6
	-3.0	1000.3	16.8	67788.5	-175.8	85247.4
178.	-2.4	173.7	17.7	66878.3	-933.5	112061.5
	-3.0	192.8	16.8	67788.5	-925.8	111831.0
223.	-2.4	-633.8	17.7	66878.3	-1720.8	101808.5
	-3.0	-614.7	16.8	67788.5	-1675.8	102431.6
267.	-2.4	-1441.3	17.7	66878.3	-2508.1	55572.4
	-3.0	-1422.1	16.8	67788.5	-2425.8	57049.1
312.	-2.4	-2248.8	17.7	66878.3	-3295.4	-26646.6
	-3.0	-2229.6	16.8	67788.5	-3175.8	-24316.3
357.	-2.4	-3056.2	17.7	66878.3	-4082.7	-144848.7
	-3.0	-3037.1	16.8	67788.5	-3925.8	-141664.7

Asta PROGR.	88 NORM	odi TYY	104 TZZ	11 TORS	MY	MZZ
0.	11.2	2257.4	14.0	-49088.3	3734.7	-76771.2
	8.0	2290.3	13.1	-48374.1	3575.3	-81776.2
39.	11.2	1550.7	14.0	-49088.3	3189.6	-2512.7
	8.0	1583.6	13.1	-48374.1	3065.4	-6234.3
78.	11.2	844.0	14.0	-49088.3	2644.5	44185.2
	8.0	877.0	13.1	-48374.1	2555.5	41747.0
117.	11.2	137.4	14.0	-49088.3	2099.4	63322.6
	8.0	170.3	13.1	-48374.1	2045.6	62167.8
156.	11.2	-569.3	14.0	-49088.3	1554.3	54899.5
	8.0	-536.4	13.1	-48374.1	1535.7	55028.1
195.	11.2	-1276.0	14.0	-49088.3	1009.3	18915.9
	8.0	-1243.1	13.1	-48374.1	1025.7	20327.9
234.	11.2	-1982.7	14.0	-49088.3	464.2	-44628.3
	8.0	-1949.8	13.1	-48374.1	515.8	-41932.8
273.	11.2	-2689.4	14.0	-49088.3	-80.9	-135732.9
	8.0	-2656.4	13.1	-48374.1	5.9	-131754.0
312.	11.2	-3396.0	14.0	-49088.3	-626.0	-254398.1
	8.0	-3363.1	13.1	-48374.1	-504.0	-249135.8

Asta PROGR.	89 NORM	odi TYY	11 TZZ	9 TORS	MY	MZZ
0.	-32.4	5466.3	-1.2	-19188.2	-616.0	-523275.4
	-28.5	5475.5	-1.5	-18377.0	-691.5	-525969.0
76.	-32.4	4088.0	-1.2	-19188.2	-524.7	-159913.7
	-28.5	4097.2	-1.5	-18377.0	-579.5	-161906.9
152.	-32.4	2709.8	-1.2	-19188.2	-433.4	98614.6
	-28.5	2719.0	-1.5	-18377.0	-467.5	97321.9
228.	-32.4	1331.5	-1.2	-19188.2	-342.1	252309.6
	-28.5	1340.7	-1.5	-18377.0	-355.5	251717.3
304.	-32.4	-46.7	-1.2	-19188.2	-250.8	301171.3
	-28.5	-37.5	-1.5	-18377.0	-243.4	301279.4
380.	-32.4	-1425.0	-1.2	-19188.2	-159.5	245199.7
	-28.5	-1415.8	-1.5	-18377.0	-131.4	246008.1
456.	-32.4	-2803.2	-1.2	-19188.2	-68.2	84394.7
	-28.5	-2794.0	-1.5	-18377.0	-19.4	85903.6
532.	-32.4	-4181.5	-1.2	-19188.2	23.1	-181243.6
	-28.5	-4172.3	-1.5	-18377.0	92.7	-179034.3
609.	-32.4	-5559.7	-1.2	-19188.2	114.4	-551715.2
	-28.5	-5550.5	-1.5	-18377.0	204.7	-548805.6

Asta PROGR.	90 NORM	odi TYY	105 TZZ	1 TORS	MY	MZZ
0.	-4.5	5439.2	1.8	18329.9	812.5	-516883.2
	-7.0	5518.1	1.4	19486.0	648.8	-537968.6
76.	-4.5	4061.0	1.8	18329.9	675.1	-155578.6
	-7.0	4139.9	1.4	19486.0	541.8	-170664.2
152.	-4.5	2682.7	1.8	18329.9	537.7	100892.7
	-7.0	2761.6	1.4	19486.0	434.8	91806.9
228.	-4.5	1304.5	1.8	18329.9	400.2	252530.6

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304.	-7.0	1383.4	1.4	19486.0	327.8	249444.7
	-4.5	-73.8	1.8	18329.9	262.8	299335.2
	-7.0	5.1	1.4	19486.0	220.8	302249.1
380.	-4.5	-1452.0	1.8	18329.9	125.4	241306.4
	-7.0	-1373.2	1.4	19486.0	113.9	250220.2
456.	-4.5	-2830.3	1.8	18329.9	-12.1	78444.4
	-7.0	-2751.4	1.4	19486.0	6.9	93358.0
532.	-4.5	-4208.5	1.8	18329.9	-149.5	-189251.0
	-7.0	-4129.7	1.4	19486.0	-100.1	-168337.6
609.	-4.5	-5586.8	1.8	18329.9	-287.0	-561779.8
	-7.0	-5507.9	1.4	19486.0	-207.1	-534866.5
Asta	91	nodì	106	105		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	12.7	2351.0	1.6	54847.3	-593.9	-94864.4
	7.5	2538.4	1.9	56370.0	-376.1	-122032.3
39.	12.7	1644.3	1.6	54847.3	-656.7	-16957.2
	7.5	1831.7	1.9	56370.0	-448.7	-36815.3
78.	12.7	937.6	1.6	54847.3	-719.6	33389.5
	7.5	1125.0	1.9	56370.0	-521.3	20841.2
117.	12.7	230.9	1.6	54847.3	-782.5	56175.7
	7.5	418.4	1.9	56370.0	-593.8	50937.1
156.	12.7	-475.8	1.6	54847.3	-845.4	51401.4
	7.5	-288.3	1.9	56370.0	-666.4	53472.6
195.	12.7	-1182.4	1.6	54847.3	-908.2	19066.5
	7.5	-995.0	1.9	56370.0	-739.0	28447.5
234.	12.7	-1889.1	1.6	54847.3	-971.1	-40828.9
	7.5	-1701.7	1.9	56370.0	-811.5	-24138.1
273.	12.7	-2595.8	1.6	54847.3	-1034.0	-128284.8
	7.5	-2408.4	1.9	56370.0	-884.1	-104284.2
312.	12.7	-3302.5	1.6	54847.3	-1096.8	-243301.2
	7.5	-3115.0	1.9	56370.0	-956.6	-211990.9
Asta	92	nodì	45	106		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-13.1	3166.1	-7.1	-85222.7	-1028.1	-164960.0
	-10.7	3292.8	-5.9	-84470.0	-904.5	-190865.8
45.	-13.1	2358.7	-7.1	-85222.7	-711.5	-41860.0
	-10.7	2485.3	-5.9	-84470.0	-641.7	-62123.7
89.	-13.1	1551.2	-7.1	-85222.7	-394.8	45257.0
	-10.7	1677.8	-5.9	-84470.0	-378.8	30635.5
134.	-13.1	743.7	-7.1	-85222.7	-78.1	96391.0
	-10.7	870.3	-5.9	-84470.0	-115.9	87411.6
178.	-13.1	-63.7	-7.1	-85222.7	238.6	111542.0
	-10.7	62.9	-5.9	-84470.0	147.0	108204.7
223.	-13.1	-871.2	-7.1	-85222.7	555.2	90710.1
	-10.7	-744.6	-5.9	-84470.0	409.8	93014.9
267.	-13.1	-1678.7	-7.1	-85222.7	871.9	33895.1
	-10.7	-1552.1	-5.9	-84470.0	672.7	41842.0
312.	-13.1	-2486.2	-7.1	-85222.7	1188.6	-58902.9
	-10.7	-2359.5	-5.9	-84470.0	935.6	-45313.8
357.	-13.1	-3293.6	-7.1	-85222.7	1505.3	-187683.8
	-10.7	-3167.0	-5.9	-84470.0	1198.5	-168452.6
Asta	93	nodì	87	107		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.3	1390.0	-0.2	-25583.3	-76.2	-146613.8
	-0.1	1494.4	0.4	-22495.0	100.4	-174410.3
45.	-0.3	1250.9	-0.2	-25583.3	-68.7	-87771.0
	-0.1	1355.4	0.4	-22495.0	84.1	-110911.9
89.	-0.3	1111.9	-0.2	-25583.3	-61.3	-35123.9
	-0.1	1216.4	0.4	-22495.0	67.8	-53609.3
134.	-0.3	972.9	-0.2	-25583.3	-53.8	11327.4
	-0.1	1077.3	0.4	-22495.0	51.4	-2502.4
178.	-0.3	833.8	-0.2	-25583.3	-46.4	51582.9
	-0.1	938.3	0.4	-22495.0	35.1	42408.7
223.	-0.3	694.8	-0.2	-25583.3	-39.0	85642.7
	-0.1	799.3	0.4	-22495.0	18.8	81124.1
267.	-0.3	555.8	-0.2	-25583.3	-31.5	113506.8
	-0.1	660.2	0.4	-22495.0	2.4	113643.8
312.	-0.3	416.7	-0.2	-25583.3	-24.1	135175.1
	-0.1	521.2	0.4	-22495.0	-13.9	139967.6
357.	-0.3	277.7	-0.2	-25583.3	-16.6	150647.7
	-0.1	382.2	0.4	-22495.0	-30.2	160095.8
Asta	94	nodì	107	108		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	1.6	-864.5	-0.3	-40741.2	8.4	180326.4
	-0.4	-728.3	0.5	-39958.4	27.3	169664.6
39.	1.6	-986.2	-0.3	-40741.2	18.3	144237.5
	-0.4	-849.9	0.5	-39958.4	8.7	138890.0
78.	1.6	-1107.9	-0.3	-40741.2	28.3	103403.1
	-0.4	-971.6	0.5	-39958.4	-9.9	103370.0
117.	1.6	-1229.6	-0.3	-40741.2	38.2	57823.1
	-0.4	-1093.3	0.5	-39958.4	-28.6	63104.4
156.	1.6	-1351.2	-0.3	-40741.2	48.1	7497.7
	-0.4	-1215.0	0.5	-39958.4	-47.2	18093.3
195.	1.6	-1472.9	-0.3	-40741.2	58.0	-47573.3
	-0.4	-1336.7	0.5	-39958.4	-65.8	-31663.4
234.	1.6	-1594.6	-0.3	-40741.2	67.9	-107389.8
	-0.4	-1458.3	0.5	-39958.4	-84.4	-86165.5
273.	1.6	-1716.3	-0.3	-40741.2	77.9	-171951.8
	-0.4	-1580.0	0.5	-39958.4	-103.0	-145413.2
312.	1.6	-1838.0	-0.3	-40741.2	87.8	-241259.3

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	-0.4	-1701.7	0.5	-39958.4	-121.6	-209406.3
Asta	95	nod	108	65		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.5	961.7	-0.3	26295.2	-84.1	-91634.7
	-2.4	1010.7	0.4	26742.3	136.7	-110451.7
76.	0.5	724.4	-0.3	26295.2	-60.8	-27507.6
	-2.4	773.3	0.4	26742.3	102.5	-42604.3
152.	0.5	487.1	-0.3	26295.2	-37.5	18568.7
	-2.4	536.0	0.4	26742.3	68.4	7192.3
228.	0.5	249.8	-0.3	26295.2	-14.2	46594.3
	-2.4	298.7	0.4	26742.3	34.3	38938.2
304.	0.5	12.5	-0.3	26295.2	9.1	56569.1
	-2.4	61.4	0.4	26742.3	0.2	52633.3
380.	0.5	-224.8	-0.3	26295.2	32.4	48493.1
	-2.4	-175.9	0.4	26742.3	-33.9	48277.6
456.	0.5	-462.1	-0.3	26295.2	55.7	22366.3
	-2.4	-413.2	0.4	26742.3	-68.0	25871.2
532.	0.5	-699.5	-0.3	26295.2	79.0	-21811.2
	-2.4	-650.6	0.4	26742.3	-102.1	-14586.0
609.	0.5	-936.8	-0.3	26295.2	102.2	-84039.5
	-2.4	-887.9	0.4	26742.3	-136.2	-73094.0
Asta	96	nod	70	69		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.5	925.1	-0.5	-23599.5	-173.0	-77516.5
	-0.6	932.3	0.4	-22534.5	124.6	-79867.7
76.	-0.5	687.8	-0.5	-23599.5	-133.9	-16177.7
	-0.6	695.0	0.4	-22534.5	96.2	-17979.5
152.	-0.5	450.5	-0.5	-23599.5	-94.7	27110.3
	-0.6	457.7	0.4	-22534.5	67.8	25857.9
228.	-0.5	213.1	-0.5	-23599.5	-55.5	52347.6
	-0.6	220.4	0.4	-22534.5	39.4	51644.6
304.	-0.5	-24.2	-0.5	-23599.5	-16.4	59534.1
	-0.6	-17.0	0.4	-22534.5	11.0	59380.4
380.	-0.5	-261.5	-0.5	-23599.5	22.8	48669.8
	-0.6	-254.3	0.4	-22534.5	-17.5	49065.5
456.	-0.5	-498.8	-0.5	-23599.5	62.0	19754.7
	-0.6	-491.6	0.4	-22534.5	-45.9	20699.8
532.	-0.5	-736.1	-0.5	-23599.5	101.1	-27211.1
	-0.6	-728.9	0.4	-22534.5	-74.3	-25716.6
609.	-0.5	-973.4	-0.5	-23599.5	140.3	-92227.7
	-0.6	-966.2	0.4	-22534.5	-102.7	-90183.9
Asta	97	nod	109	70		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.7	118.5	-2.1	-50873.7	-331.0	28808.7
	-0.3	142.8	2.2	-50271.4	347.6	25651.8
39.	-0.7	-3.2	-2.1	-50873.7	-247.7	31057.6
	-0.3	21.1	2.2	-50271.4	262.3	28848.1
78.	-0.7	-124.9	-2.1	-50873.7	-164.4	28561.1
	-0.3	-100.6	2.2	-50271.4	177.1	27298.9
117.	-0.7	-246.5	-2.1	-50873.7	-81.1	21319.0
	-0.3	-222.2	2.2	-50271.4	91.9	21004.1
156.	-0.7	-368.2	-2.1	-50873.7	2.2	9331.4
	-0.3	-343.9	2.2	-50271.4	6.7	9963.9
195.	-0.7	-489.9	-2.1	-50873.7	85.5	-7401.7
	-0.3	-465.6	2.2	-50271.4	-78.6	-5821.9
234.	-0.7	-611.6	-2.1	-50873.7	168.8	-28880.4
	-0.3	-587.3	2.2	-50271.4	-163.8	-26353.2
273.	-0.7	-733.3	-2.1	-50873.7	252.1	-55104.6
	-0.3	-709.0	2.2	-50271.4	-249.0	-51630.0
312.	-0.7	-854.9	-2.1	-50873.7	335.4	-86074.3
	-0.3	-830.6	2.2	-50271.4	-334.3	-81652.3
Asta	98	nod	82	109		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.4	676.3	-1.3	72268.5	-199.7	-37910.1
	-1.0	684.3	1.2	73727.6	194.1	-39626.1
45.	-0.4	537.3	-1.3	72268.5	-143.2	-10869.7
	-1.0	545.3	1.2	73727.6	138.5	-12229.3
89.	-0.4	398.2	-1.3	72268.5	-86.6	9974.9
	-1.0	406.2	1.2	73727.6	82.8	8971.7
134.	-0.4	259.2	-1.3	72268.5	-30.1	24623.8
	-1.0	267.2	1.2	73727.6	27.1	23977.0
178.	-0.4	120.2	-1.3	72268.5	26.5	33076.9
	-1.0	128.2	1.2	73727.6	-28.5	32786.6
223.	-0.4	-18.9	-1.3	72268.5	83.1	35334.3
	-1.0	-10.9	1.2	73727.6	-84.2	35400.4
267.	-0.4	-157.9	-1.3	72268.5	139.6	31396.0
	-1.0	-149.9	1.2	73727.6	-139.8	31818.4
312.	-0.4	-296.9	-1.3	72268.5	196.2	21261.9
	-1.0	-288.9	1.2	73727.6	-195.5	22040.7
357.	-0.4	-436.0	-1.3	72268.5	252.7	4932.0
	-1.0	-428.0	1.2	73727.6	-251.2	6067.3
Asta	99	nod	84	80		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.0	1084.5	-1.2	16091.4	-193.0	-122338.8
	-0.6	1131.9	1.1	17649.6	174.6	-132288.3
45.	-1.0	945.4	-1.2	16091.4	-140.5	-77110.4
	-0.6	992.9	1.1	17649.6	125.1	-84945.0
89.	-1.0	806.4	-1.2	16091.4	-88.0	-38077.7
	-0.6	853.8	1.1	17649.6	75.6	-43797.5

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134.	-1.0	667.4	-1.2	16091.4	-35.5	-5240.7
	-0.6	714.8	1.1	17649.6	26.1	-8845.8
178.	-1.0	528.3	-1.2	16091.4	16.9	21400.5
	-0.6	575.8	1.1	17649.6	-23.4	19910.2
223.	-1.0	389.3	-1.2	16091.4	69.4	41846.0
	-0.6	436.7	1.1	17649.6	-72.9	42470.5
267.	-1.0	250.3	-1.2	16091.4	121.9	56095.7
	-0.6	297.7	1.1	17649.6	-122.4	58835.0
312.	-1.0	111.2	-1.2	16091.4	174.4	64149.7
	-0.6	158.7	1.1	17649.6	-171.9	69003.7
357.	-1.0	-27.8	-1.2	16091.4	226.9	66007.9
	-0.6	19.6	1.1	17649.6	-221.4	72976.7
Asta	100	odi	84	83		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.1	7383.4	-2.1	-12871.5	-357.9	-506686.1
	-1.7	7361.4	2.0	-11757.8	338.7	-499944.8
58.	-1.1	5516.6	-2.1	-12871.5	-237.4	-132181.6
	-1.7	5494.7	2.0	-11757.8	224.4	-126716.5
116.	-1.1	3649.9	-2.1	-12871.5	-116.8	133934.8
	-1.7	3627.9	2.0	-11757.8	110.1	138123.9
174.	-1.1	1783.2	-2.1	-12871.5	3.7	291663.3
	-1.7	1761.2	2.0	-11757.8	-4.3	294576.2
232.	-1.1	-83.6	-2.1	-12871.5	124.2	341003.7
	-1.7	-105.6	2.0	-11757.8	-118.6	342640.5
290.	-1.1	-1950.3	-2.1	-12871.5	244.7	281956.2
	-1.7	-1972.3	2.0	-11757.8	-232.9	282316.8
348.	-1.1	-3817.1	-2.1	-12871.5	365.2	114520.6
	-1.7	-3839.1	2.0	-11757.8	-347.3	113605.1
406.	-1.1	-5683.8	-2.1	-12871.5	485.7	-161302.9
	-1.7	-5705.8	2.0	-11757.8	-461.6	-163494.5
465.	-1.1	-7550.6	-2.1	-12871.5	606.2	-545514.5
	-1.7	-7572.6	2.0	-11757.8	-576.0	-548982.2
Asta	101	odi	83	82		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.5	7128.6	-2.5	3352.0	-662.2	-520427.5
	-1.1	7113.1	2.4	5107.5	635.4	-518716.5
53.	-1.5	5434.7	-2.5	3352.0	-530.9	-189462.3
	-1.1	5419.2	2.4	5107.5	509.2	-188568.5
105.	-1.5	3740.8	-2.5	3352.0	-399.7	52253.6
	-1.1	3725.2	2.4	5107.5	382.9	52330.2
158.	-1.5	2046.8	-2.5	3352.0	-268.5	204720.1
	-1.1	2031.3	2.4	5107.5	256.7	203979.5
211.	-1.5	352.9	-2.5	3352.0	-137.3	267937.3
	-1.1	337.4	2.4	5107.5	130.5	266379.5
263.	-1.5	-1341.1	-2.5	3352.0	-6.0	241905.2
	-1.1	-1356.6	2.4	5107.5	4.2	239530.2
316.	-1.5	-3035.0	-2.5	3352.0	125.2	126623.8
	-1.1	-3050.5	2.4	5107.5	-122.0	123431.6
369.	-1.5	-4728.9	-2.5	3352.0	256.4	-77907.0
	-1.1	-4744.4	2.4	5107.5	-248.3	-81916.4
422.	-1.5	-6422.9	-2.5	3352.0	387.6	-371687.1
	-1.1	-6438.4	2.4	5107.5	-374.5	-376513.7
Asta	102	odi	86	85		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.0	7496.6	-2.0	8466.1	-580.7	-524979.5
	-0.6	7487.0	1.9	11027.0	563.0	-523775.2
58.	-1.0	5629.9	-2.0	8466.1	-464.5	-143901.8
	-0.6	5620.3	1.9	11027.0	450.4	-143253.8
116.	-1.0	3763.1	-2.0	8466.1	-348.3	128788.0
	-0.6	3753.5	1.9	11027.0	337.7	128879.6
174.	-1.0	1896.4	-2.0	8466.1	-232.0	293089.7
	-0.6	1886.8	1.9	11027.0	225.1	292625.0
232.	-1.0	29.6	-2.0	8466.1	-115.8	349003.4
	-0.6	20.0	1.9	11027.0	112.5	347982.5
290.	-1.0	-1837.1	-2.0	8466.1	0.4	296529.1
	-0.6	-1846.7	1.9	11027.0	-0.1	294951.9
348.	-1.0	-3703.9	-2.0	8466.1	116.6	135666.8
	-0.6	-3713.5	1.9	11027.0	-112.8	133533.3
406.	-1.0	-5570.6	-2.0	8466.1	232.8	-133583.5
	-0.6	-5580.2	1.9	11027.0	-225.4	-136273.3
465.	-1.0	-7437.4	-2.0	8466.1	349.0	-511221.8
	-0.6	-7447.0	1.9	11027.0	-338.0	-514467.9
Asta	103	odi	87	86		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.5	5923.9	-2.8	-11350.2	-417.7	-323966.6
	-1.3	5881.0	2.7	-11783.4	398.9	-312340.3
49.	-0.5	4346.5	-2.8	-11350.2	-279.1	-72019.2
	-1.3	4303.6	2.7	-11783.4	266.8	-62499.1
98.	-0.5	2769.1	-2.8	-11350.2	-140.5	102537.4
	-1.3	2726.2	2.7	-11783.4	134.7	109951.3
147.	-0.5	1191.8	-2.8	-11350.2	-1.9	199703.3
	-1.3	1148.8	2.7	-11783.4	2.7	205011.0
196.	-0.5	-385.6	-2.8	-11350.2	136.7	219478.4
	-1.3	-428.6	2.7	-11783.4	-129.4	222679.8
245.	-0.5	-1963.0	-2.8	-11350.2	275.3	161862.7
	-1.3	-2006.0	2.7	-11783.4	-261.5	162958.0
294.	-0.5	-3540.4	-2.8	-11350.2	413.9	26856.3
	-1.3	-3583.3	2.7	-11783.4	-393.5	25845.3
343.	-0.5	-5117.8	-2.8	-11350.2	552.5	-185540.9
	-1.3	-5160.7	2.7	-11783.4	-525.6	-188658.0

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393.	-0.5	-6695.2	-2.8	-11350.2	691.1	-475328.9
	-1.3	-6738.1	2.7	-11783.4	-657.6	-480552.2
Asta	104	nodì	85	79		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.1	1041.9	-1.2	-29855.8	-192.2	-112488.5
	-0.5	1116.6	0.9	-28171.2	160.4	-126883.7
45.	0.1	902.8	-1.2	-29855.8	-139.3	-69158.6
	-0.5	977.5	0.9	-28171.2	118.9	-80225.3
89.	0.1	763.8	-1.2	-29855.8	-86.3	-32024.4
	-0.5	838.5	0.9	-28171.2	77.4	-39762.7
134.	0.1	624.8	-1.2	-29855.8	-33.4	-1085.9
	-0.5	699.4	0.9	-28171.2	35.9	-5495.8
178.	0.1	485.7	-1.2	-29855.8	19.6	23656.8
	-0.5	560.4	0.9	-28171.2	-5.6	22575.4
223.	0.1	346.7	-1.2	-29855.8	72.5	42203.7
	-0.5	421.4	0.9	-28171.2	-47.1	44450.8
267.	0.1	207.6	-1.2	-29855.8	125.5	54554.9
	-0.5	282.3	0.9	-28171.2	-88.6	60130.5
312.	0.1	68.6	-1.2	-29855.8	178.4	60710.4
	-0.5	143.3	0.9	-28171.2	-130.1	69614.4
357.	0.1	-70.4	-1.2	-29855.8	231.4	60670.1
	-0.5	4.3	0.9	-28171.2	-171.6	72902.6
Asta	105	nodì	79	90		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.7	6293.1	-3.2	-10552.4	-422.6	-423773.0
	-2.2	6336.7	3.4	-12144.3	412.9	-433134.8
38.	-1.7	4843.6	-3.2	-10552.4	-300.4	-209738.4
	-2.2	4887.2	3.4	-12144.3	283.2	-217424.9
77.	-1.7	3394.1	-3.2	-10552.4	-178.2	-51419.9
	-2.2	3437.7	3.4	-12144.3	153.4	-57431.1
115.	-1.7	1944.6	-3.2	-10552.4	-55.9	51182.5
	-2.2	1988.2	3.4	-12144.3	23.6	46846.6
154.	-1.7	495.0	-3.2	-10552.4	66.3	98068.7
	-2.2	538.6	3.4	-12144.3	-106.2	95408.2
192.	-1.7	-954.5	-3.2	-10552.4	188.5	89239.0
	-2.2	-910.9	3.4	-12144.3	-235.9	88253.8
231.	-1.7	-2404.0	-3.2	-10552.4	310.8	24693.1
	-2.2	-2360.4	3.4	-12144.3	-365.7	25383.2
269.	-1.7	-3853.5	-3.2	-10552.4	433.0	-95568.9
	-2.2	-3809.9	3.4	-12144.3	-495.5	-93203.4
308.	-1.7	-5303.1	-3.2	-10552.4	555.2	-271547.0
	-2.2	-5259.5	3.4	-12144.3	-625.2	-267506.2
Asta	106	nodì	90	89		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.6	6205.6	-4.4	331.9	-692.4	-305744.7
	-2.0	6194.8	4.2	1431.4	717.9	-302124.7
41.	-1.6	4659.4	-4.4	331.9	-512.6	-83012.3
	-2.0	4648.7	4.2	1431.4	546.0	-79832.9
82.	-1.6	3113.3	-4.4	331.9	-332.7	76327.7
	-2.0	3102.5	4.2	1431.4	374.1	79066.5
123.	-1.6	1567.1	-4.4	331.9	-152.9	172275.1
	-2.0	1556.4	4.2	1431.4	202.2	174573.3
164.	-1.6	20.9	-4.4	331.9	27.0	204830.0
	-2.0	10.2	4.2	1431.4	30.3	206687.5
205.	-1.6	-1525.2	-4.4	331.9	206.8	173992.3
	-2.0	-1536.0	4.2	1431.4	-141.6	175409.3
246.	-1.6	-3071.4	-4.4	331.9	386.7	79762.2
	-2.0	-3082.1	4.2	1431.4	-313.5	80738.5
287.	-1.6	-4617.5	-4.4	331.9	566.5	-77860.5
	-2.0	-4628.3	4.2	1431.4	-485.4	-77324.8
328.	-1.6	-6163.7	-4.4	331.9	746.4	-298875.8
	-2.0	-6174.4	4.2	1431.4	-657.3	-298780.6
Asta	107	nodì	89	80		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.7	5217.4	-3.6	12666.5	-653.0	-266403.7
	-1.9	5190.8	3.0	15755.2	524.9	-263355.2
39.	-1.7	3749.0	-3.6	12666.5	-513.0	-91839.3
	-1.9	3722.4	3.0	15755.2	408.1	-89827.6
78.	-1.7	2280.6	-3.6	12666.5	-373.1	25550.1
	-1.9	2254.0	3.0	15755.2	291.3	26525.0
117.	-1.7	812.2	-3.6	12666.5	-233.1	85764.4
	-1.9	785.6	3.0	15755.2	174.4	85702.5
156.	-1.7	-656.1	-3.6	12666.5	-93.1	88803.7
	-1.9	-682.8	3.0	15755.2	57.6	87705.0
195.	-1.7	-2124.5	-3.6	12666.5	46.9	34667.9
	-1.9	-2151.1	3.0	15755.2	-59.3	32532.4
234.	-1.7	-3592.9	-3.6	12666.5	186.8	-76642.9
	-1.9	-3619.5	3.0	15755.2	-176.1	-79815.2
273.	-1.7	-5061.3	-3.6	12666.5	326.8	-245128.7
	-1.9	-5087.9	3.0	15755.2	-293.0	-249337.9
312.	-1.7	-6529.7	-3.6	12666.5	466.8	-470789.6
	-1.9	-6556.3	3.0	15755.2	-409.8	-476035.6
Asta	108	nodì	96	69		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.0	4990.9	-3.4	-19688.1	-573.1	-192678.1
	-1.7	5012.7	3.5	-17631.8	575.1	-194113.0
34.	-1.0	3678.2	-3.4	-19688.1	-455.2	-44220.4
	-1.7	3700.1	3.5	-17631.8	454.9	-44906.8

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69.	-1.0	2365.5	-3.4	-19688.1	-337.3	59278.7
	-1.7	2387.4	3.5	-17631.8	334.7	59340.7
103.	-1.0	1052.9	-3.4	-19688.1	-219.4	117819.2
	-1.7	1074.7	3.5	-17631.8	214.5	118629.7
137.	-1.0	-259.8	-3.4	-19688.1	-101.5	131401.1
	-1.7	-237.9	3.5	-17631.8	94.3	132960.0
171.	-1.0	-1572.4	-3.4	-19688.1	16.4	100024.3
	-1.7	-1550.6	3.5	-17631.8	-25.9	102331.8
206.	-1.0	-2885.1	-3.4	-19688.1	134.3	23689.0
	-1.7	-2863.2	3.5	-17631.8	-146.1	26744.9
240.	-1.0	-4197.8	-3.4	-19688.1	252.2	-97605.0
	-1.7	-4175.9	3.5	-17631.8	-266.3	-93800.6
274.	-1.0	-5510.4	-3.4	-19688.1	370.1	-263857.6
	-1.7	-5488.6	3.5	-17631.8	-386.5	-259304.8
Asta	109	nodì	65	66		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3.4	7466.6	-2.5	11192.6	-393.9	-421163.3
	0.4	7494.3	2.3	5642.1	370.8	-428938.2
50.	-3.4	5567.1	-2.5	11192.6	-271.7	-98172.0
	0.4	5594.8	2.3	5642.1	254.6	-104573.7
99.	-3.4	3667.6	-2.5	11192.6	-149.5	130674.2
	0.4	3695.3	2.3	5642.1	138.5	125645.6
149.	-3.4	1768.0	-2.5	11192.6	-27.2	265375.2
	0.4	1795.7	2.3	5642.1	22.4	261719.8
198.	-3.4	-131.5	-2.5	11192.6	95.0	305930.9
	0.4	-103.8	2.3	5642.1	-93.8	303648.7
248.	-3.4	-2031.0	-2.5	11192.6	217.3	252341.5
	0.4	-2003.3	2.3	5642.1	-209.9	251432.4
297.	-3.4	-3930.5	-2.5	11192.6	339.5	104606.8
	0.4	-3902.8	2.3	5642.1	-326.0	105071.0
347.	-3.4	-5830.1	-2.5	11192.6	461.7	-137273.1
	0.4	-5802.4	2.3	5642.1	-442.1	-135435.7
397.	-3.4	-7729.6	-2.5	11192.6	584.0	-473298.1
	0.4	-7701.9	2.3	5642.1	-558.3	-470087.6
Asta	110	nodì	66	67		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.3	7311.2	-3.5	-12650.1	-716.8	-455159.8
	-1.8	7344.5	3.2	-12895.9	671.3	-459205.1
50.	-1.3	5394.9	-3.5	-12650.1	-543.4	-137507.1
	-1.8	5428.2	3.2	-12895.9	510.5	-139888.5
100.	-1.3	3478.6	-3.5	-12650.1	-369.9	84331.1
	-1.8	3511.9	3.2	-12895.9	349.7	83613.5
150.	-1.3	1562.3	-3.5	-12650.1	-196.4	210354.6
	-1.8	1595.6	3.2	-12895.9	188.9	211300.9
200.	-1.3	-354.0	-3.5	-12650.1	-22.9	240563.5
	-1.8	-320.7	3.2	-12895.9	28.1	243173.7
250.	-1.3	-2270.3	-3.5	-12650.1	150.6	174957.7
	-1.8	-2237.0	3.2	-12895.9	-132.6	179231.8
300.	-1.3	-4186.6	-3.5	-12650.1	324.1	13537.4
	-1.8	-4153.3	3.2	-12895.9	-293.4	19475.3
350.	-1.3	-6102.8	-3.5	-12650.1	497.6	-243697.6
	-1.8	-6069.6	3.2	-12895.9	-454.2	-236095.8
400.	-1.3	-8019.1	-3.5	-12650.1	671.1	-596747.2
	-1.8	-7985.9	3.2	-12895.9	-615.0	-587481.6
Asta	111	nodì	67	68		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3.6	9982.9	-2.9	10903.1	-586.9	-709095.2
	-2.1	9997.4	2.7	11795.4	559.0	-713511.8
50.	-3.6	7636.5	-2.9	10903.1	-442.3	-265857.7
	-2.1	7651.0	2.7	11795.4	420.6	-269544.9
101.	-3.6	5290.1	-2.9	10903.1	-297.6	59328.2
	-2.1	5304.6	2.7	11795.4	282.3	56370.4
151.	-3.6	2943.8	-2.9	10903.1	-152.9	266462.5
	-2.1	2958.3	2.7	11795.4	144.0	264234.1
201.	-3.6	597.4	-2.9	10903.1	-8.2	355545.4
	-2.1	611.9	2.7	11795.4	5.6	354046.3
252.	-3.6	-1749.0	-2.9	10903.1	136.5	326576.6
	-2.1	-1734.5	2.7	11795.4	-132.7	325806.9
302.	-3.6	-4095.3	-2.9	10903.1	281.1	179556.3
	-2.1	-4080.8	2.7	11795.4	-271.1	179516.0
352.	-3.6	-6441.7	-2.9	10903.1	425.8	-85515.5
	-2.1	-6427.2	2.7	11795.4	-409.4	-84826.5
403.	-3.6	-8788.1	-2.9	10903.1	570.5	-468638.9
	-2.1	-8773.6	2.7	11795.4	-547.7	-467220.5
Asta	112	nodì	68	93		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2.3	6830.4	-5.1	-12510.1	-752.9	-391978.0
	-2.4	6867.4	4.9	-10789.9	715.4	-395312.1
37.	-2.3	5104.9	-5.1	-12510.1	-563.7	-171175.4
	-2.4	5141.9	4.9	-10789.9	535.4	-173141.3
74.	-2.3	3379.3	-5.1	-12510.1	-374.5	-14217.4
	-2.4	3416.3	4.9	-10789.9	355.3	-14815.0
111.	-2.3	1653.8	-5.1	-12510.1	-185.3	78896.2
	-2.4	1690.8	4.9	-10789.9	175.2	79666.8
148.	-2.3	-71.7	-5.1	-12510.1	3.8	108165.3
	-2.4	-34.7	4.9	-10789.9	-4.9	110304.2
185.	-2.3	-1797.2	-5.1	-12510.1	193.0	73589.9
	-2.4	-1760.3	4.9	-10789.9	-185.0	77097.1
222.	-2.3	-3522.8	-5.1	-12510.1	382.2	-24829.9
	-2.4	-3485.8	4.9	-10789.9	-365.0	-19954.5

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259.	-2.3	-5248.3	-5.1	-12510.1	571.4	-187094.3
	-2.4	-5211.3	4.9	-10789.9	-545.1	-180850.6
296.	-2.3	-6973.8	-5.1	-12510.1	760.6	-413203.1
	-2.4	-6936.8	4.9	-10789.9	-725.2	-405591.2
Asta	113	nodì	93	94		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2.0	9045.4	-3.5	15127.7	-630.0	-615001.5
	-1.1	9064.6	3.4	16215.7	618.4	-619890.3
44.	-2.0	6973.0	-3.5	15127.7	-472.4	-259092.5
	-1.1	6992.2	3.4	16215.7	465.5	-263128.6
89.	-2.0	4900.6	-3.5	15127.7	-314.9	4725.2
	-1.1	4919.8	3.4	16215.7	312.7	1541.8
133.	-2.0	2828.3	-3.5	15127.7	-157.3	176451.4
	-1.1	2847.4	3.4	16215.7	159.8	174120.8
178.	-2.0	755.9	-3.5	15127.7	0.2	256086.2
	-1.1	775.1	3.4	16215.7	6.9	254608.3
222.	-2.0	-1316.5	-3.5	15127.7	157.8	243629.5
	-1.1	-1297.3	3.4	16215.7	-145.9	243004.4
267.	-2.0	-3388.9	-3.5	15127.7	315.3	139081.5
	-1.1	-3369.7	3.4	16215.7	-298.8	139309.1
311.	-2.0	-5461.3	-3.5	15127.7	472.9	-57558.0
	-1.1	-5442.1	3.4	16215.7	-451.7	-56477.6
356.	-2.0	-7533.6	-3.5	15127.7	630.4	-346288.8
	-1.1	-7514.5	3.4	16215.7	-604.5	-344355.7
Asta	114	nodì	94	95		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2.8	6266.9	-4.6	2579.0	-705.5	-352083.5
	-2.2	6282.1	4.3	4015.8	652.4	-354318.8
37.	-2.8	4846.5	-4.6	2579.0	-535.8	-146138.3
	-2.2	4861.6	4.3	4015.8	494.4	-147812.1
74.	-2.8	3426.0	-4.6	2579.0	-366.1	7161.4
	-2.2	3441.2	4.3	4015.8	336.3	6049.2
111.	-2.8	2005.6	-4.6	2579.0	-196.4	107815.6
	-2.2	2020.7	4.3	4015.8	178.2	107264.9
148.	-2.8	585.1	-4.6	2579.0	-26.7	155824.3
	-2.2	600.3	4.3	4015.8	20.1	155835.1
185.	-2.8	-835.3	-4.6	2579.0	143.0	151187.5
	-2.2	-820.2	4.3	4015.8	-138.0	151759.9
222.	-2.8	-2255.8	-4.6	2579.0	312.7	93905.2
	-2.2	-2240.6	4.3	4015.8	-296.1	95039.1
259.	-2.8	-3676.2	-4.6	2579.0	482.3	-16022.5
	-2.2	-3661.1	4.3	4015.8	-454.1	-14327.1
297.	-2.8	-5096.7	-4.6	2579.0	652.0	-178595.8
	-2.2	-5081.5	4.3	4015.8	-612.2	-176338.9
Asta	115	nodì	95	96		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3.1	4801.2	-5.3	-5138.7	-692.4	-157442.3
	-2.9	4817.2	5.1	-3483.5	671.4	-159351.4
34.	-3.1	3512.5	-5.3	-5138.7	-513.4	-17666.8
	-2.9	3528.4	5.1	-3483.5	498.3	-19040.9
67.	-3.1	2223.8	-5.3	-5138.7	-334.4	78776.0
	-2.9	2239.7	5.1	-3483.5	325.3	77936.8
101.	-3.1	935.1	-5.3	-5138.7	-155.4	131886.1
	-2.9	951.0	5.1	-3483.5	152.3	131581.8
135.	-3.1	-353.6	-5.3	-5138.7	23.6	141663.3
	-2.9	-337.7	5.1	-3483.5	-20.8	141894.0
168.	-3.1	-1642.3	-5.3	-5138.7	202.6	108107.8
	-2.9	-1626.4	5.1	-3483.5	-193.8	108873.4
202.	-3.1	-2931.0	-5.3	-5138.7	381.6	31219.6
	-2.9	-2915.1	5.1	-3483.5	-366.9	32520.1
235.	-3.1	-4219.7	-5.3	-5138.7	560.6	-89001.4
	-2.9	-4203.8	5.1	-3483.5	-539.9	-87166.0
269.	-3.1	-5508.4	-5.3	-5138.7	739.6	-252555.2
	-2.9	-5492.5	5.1	-3483.5	-712.9	-250184.8
Asta	116	nodì	39	31		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-21.9	4105.3	1.1	-9279.8	237.1	-327360.8
	-21.2	4153.3	0.6	-8430.8	163.4	-336222.8
45.	-21.9	3297.8	1.1	-9279.8	187.5	-162409.4
	-21.2	3345.8	0.6	-8430.8	137.6	-169134.3
89.	-21.9	2490.4	1.1	-9279.8	137.9	-33441.0
	-21.2	2538.3	0.6	-8430.8	111.9	-38028.7
134.	-21.9	1682.9	1.1	-9279.8	88.4	59544.4
	-21.2	1730.9	0.6	-8430.8	86.1	57094.0
178.	-21.9	875.4	1.1	-9279.8	38.8	116546.8
	-21.2	923.4	0.6	-8430.8	60.3	116233.6
223.	-21.9	67.9	1.1	-9279.8	-10.8	137566.2
	-21.2	115.9	0.6	-8430.8	34.6	139390.2
267.	-21.9	-739.5	1.1	-9279.8	-60.4	122602.6
	-21.2	-691.6	0.6	-8430.8	8.8	126563.8
312.	-21.9	-1547.0	1.1	-9279.8	-109.9	71656.1
	-21.2	-1499.0	0.6	-8430.8	-16.9	77754.4
357.	-21.9	-2354.5	1.1	-9279.8	-159.5	-15273.5
	-21.2	-2306.5	0.6	-8430.8	-42.7	-7037.9
Asta	117	nodì	41	29		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-15.1	4003.4	-0.1	-6168.7	-52.0	-311986.5
	-13.6	4070.7	-0.8	-4692.1	-187.2	-324122.2

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45.	-15.1	3195.9	-0.1	-6168.7	-48.1	-151578.6
	-13.6	3263.2	-0.8	-4692.1	-153.1	-160712.4
89.	-15.1	2388.4	-0.1	-6168.7	-44.3	-27153.7
	-13.6	2455.8	-0.8	-4692.1	-119.1	-33285.6
134.	-15.1	1580.9	-0.1	-6168.7	-40.4	61288.3
	-13.6	1648.3	-0.8	-4692.1	-85.0	58158.3
178.	-15.1	773.5	-0.1	-6168.7	-36.5	113747.2
	-13.6	840.8	-0.8	-4692.1	-51.0	113619.1
223.	-15.1	-34.0	-0.1	-6168.7	-32.7	130223.2
	-13.6	33.4	-0.8	-4692.1	-16.9	133096.9
267.	-15.1	-841.5	-0.1	-6168.7	-28.8	110716.2
	-13.6	-774.1	-0.8	-4692.1	17.2	116591.8
312.	-15.1	-1649.0	-0.1	-6168.7	-24.9	55226.2
	-13.6	-1581.6	-0.8	-4692.1	51.2	64103.7
357.	-15.1	-2456.4	-0.1	-6168.7	-21.1	-36246.9
	-13.6	-2389.1	-0.8	-4692.1	85.3	-24367.5
Asta	118	nodì	64	10		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.0	6380.4	1.0	-43872.8	152.9	-238415.3
	-1.0	6405.0	0.3	-41859.6	45.7	-240616.1
34.	-1.0	4663.6	1.0	-43872.8	119.7	-49286.5
	-1.0	4688.1	0.3	-41859.6	35.4	-50647.3
69.	-1.0	2946.7	1.0	-43872.8	86.4	81040.2
	-1.0	2971.3	0.3	-41859.6	25.1	80519.4
103.	-1.0	1229.9	1.0	-43872.8	53.2	152564.6
	-1.0	1254.4	0.3	-41859.6	14.9	152883.8
137.	-1.0	-487.0	1.0	-43872.8	19.9	165286.8
	-1.0	-462.4	0.3	-41859.6	4.6	166446.0
171.	-1.0	-2203.8	1.0	-43872.8	-13.3	119206.7
	-1.0	-2179.3	0.3	-41859.6	-5.7	121206.0
206.	-1.0	-3920.7	1.0	-43872.8	-46.6	14324.5
	-1.0	-3896.2	0.3	-41859.6	-16.0	17163.8
240.	-1.0	-5637.5	1.0	-43872.8	-79.8	-149360.0
	-1.0	-5613.0	0.3	-41859.6	-26.2	-145680.7
274.	-1.0	-7354.4	1.0	-43872.8	-113.1	-371846.7
	-1.0	-7329.9	0.3	-41859.6	-36.5	-367327.4
Asta	119	nodì	2	4		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-4.2	9799.9	0.0	26472.8	-41.1	-582324.9
	1.0	9857.2	-0.1	26956.3	-5.0	-597428.3
50.	-4.2	7315.5	0.0	26472.8	-41.3	-158182.8
	1.0	7372.7	-0.1	26956.3	-1.6	-170450.2
99.	-4.2	4831.1	0.0	26472.8	-41.4	142825.0
	1.0	4888.3	-0.1	26956.3	1.8	133393.7
149.	-4.2	2346.7	0.0	26472.8	-41.5	320698.5
	1.0	2403.9	-0.1	26956.3	5.2	314103.2
198.	-4.2	-137.8	0.0	26472.8	-41.7	375437.8
	1.0	-80.5	-0.1	26956.3	8.6	371678.5
248.	-4.2	-2622.2	0.0	26472.8	-41.8	307042.7
	1.0	-2565.0	-0.1	26956.3	12.0	306119.5
297.	-4.2	-5106.6	0.0	26472.8	-41.9	115513.4
	1.0	-5049.4	-0.1	26956.3	15.4	117426.2
347.	-4.2	-7591.0	0.0	26472.8	-42.1	-199150.2
	1.0	-7533.8	-0.1	26956.3	18.8	-194401.4
397.	-4.2	-10075.5	0.0	26472.8	-42.2	-636948.1
	1.0	-10018.2	-0.1	26956.3	22.2	-629363.2
Asta	120	nodì	4	6		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.5	9725.7	0.3	-10815.6	73.5	-614706.1
	0.2	9761.4	0.0	-8765.7	-19.9	-619591.4
50.	0.5	7219.4	0.3	-10815.6	60.5	-191079.3
	0.2	7255.1	0.0	-8765.7	-19.4	-194179.5
100.	0.5	4713.0	0.3	-10815.6	47.6	107229.8
	0.2	4748.7	0.0	-8765.7	-19.0	105914.6
150.	0.5	2206.6	0.3	-10815.6	34.6	280221.1
	0.2	2242.3	0.0	-8765.7	-18.6	280691.0
200.	0.5	-299.7	0.3	-10815.6	21.6	327894.7
	0.2	-264.0	0.0	-8765.7	-18.1	330149.6
250.	0.5	-2806.1	0.3	-10815.6	8.6	250250.5
	0.2	-2770.4	0.0	-8765.7	-17.7	254290.5
300.	0.5	-5312.4	0.3	-10815.6	-4.3	47288.6
	0.2	-5276.7	0.0	-8765.7	-17.3	53113.6
350.	0.5	-7818.8	0.3	-10815.6	-17.3	-280991.0
	0.2	-7783.1	0.0	-8765.7	-16.8	-273381.1
400.	0.5	-10325.1	0.3	-10815.6	-30.3	-734588.5
	0.2	-10289.4	0.0	-8765.7	-16.4	-725193.5
Asta	121	nodì	6	8		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	1.5	10660.4	0.3	12051.4	41.1	-761836.0
	2.2	10679.9	0.1	12843.8	27.1	-766889.6
50.	1.5	8138.4	0.3	12051.4	24.4	-288930.2
	2.2	8157.9	0.1	12843.8	23.3	-292999.9
101.	1.5	5616.3	0.3	12051.4	7.7	57086.4
	2.2	5635.9	0.1	12843.8	19.6	54000.6
151.	1.5	3094.3	0.3	12051.4	-9.0	276214.0
	2.2	3113.9	0.1	12843.8	15.8	274112.0
201.	1.5	572.3	0.3	12051.4	-25.7	368452.4
	2.2	591.9	0.1	12843.8	12.0	367334.3
252.	1.5	-1949.7	0.3	12051.4	-42.5	333801.7
	2.2	-1930.2	0.1	12843.8	8.2	333667.4

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302.	1.5	-4471.7	0.3	12051.4	-59.2	172261.9
	2.2	-4452.2	0.1	12843.8	4.4	173111.5
352.	1.5	-6993.8	0.3	12051.4	-75.9	-116167.0
	2.2	-6974.2	0.1	12843.8	0.6	-114333.6
403.	1.5	-9515.8	0.3	12051.4	-92.6	-531485.1
	2.2	-9496.2	0.1	12843.8	-3.2	-528667.8
Asta	122	nodì	8	58		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	2.6	7298.1	0.4	-14638.5	87.9	-401414.1
	2.4	7340.4	-0.1	-12855.5	-33.9	-406063.5
37.	2.6	5443.4	0.4	-14638.5	72.4	-165696.7
	2.4	5485.7	-0.1	-12855.5	-31.2	-168782.4
74.	2.6	3588.7	0.4	-14638.5	56.8	1396.7
	2.4	3630.9	-0.1	-12855.5	-28.5	-125.2
111.	2.6	1734.0	0.4	-14638.5	41.3	99866.0
	2.4	1776.2	-0.1	-12855.5	-25.9	99907.9
148.	2.6	-120.7	0.4	-14638.5	25.7	129711.4
	2.4	-78.5	-0.1	-12855.5	-23.2	131317.0
185.	2.6	-1975.4	0.4	-14638.5	10.2	90932.8
	2.4	-1933.2	-0.1	-12855.5	-20.5	94102.2
222.	2.6	-3830.1	0.4	-14638.5	-5.4	-16469.8
	2.4	-3787.9	-0.1	-12855.5	-17.8	-11736.7
259.	2.6	-5684.8	0.4	-14638.5	-20.9	-192496.4
	2.4	-5642.6	-0.1	-12855.5	-15.1	-186199.6
296.	2.6	-7539.5	0.4	-14638.5	-36.5	-437147.0
	2.4	-7497.3	-0.1	-12855.5	-12.5	-429286.4
Asta	123	nodì	58	60		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	1.9	9591.9	0.0	14344.1	-2.1	-643718.5
	2.2	9615.0	-0.3	15302.0	-14.3	-648974.4
44.	1.9	7364.4	0.0	14344.1	-1.9	-266969.8
	2.2	7387.5	-0.3	15302.0	-3.1	-271200.4
89.	1.9	5136.9	0.0	14344.1	-1.7	10793.4
	2.2	5160.0	-0.3	15302.0	8.1	7588.0
133.	1.9	2909.4	0.0	14344.1	-1.5	189571.1
	2.2	2932.4	-0.3	15302.0	19.3	187390.8
178.	1.9	681.8	0.0	14344.1	-1.3	269363.2
	2.2	704.9	-0.3	15302.0	30.5	268208.1
222.	1.9	-1545.7	0.0	14344.1	-1.1	250169.7
	2.2	-1522.6	-0.3	15302.0	41.7	250039.9
267.	1.9	-3773.2	0.0	14344.1	-1.0	131990.7
	2.2	-3750.1	-0.3	15302.0	52.9	132886.1
311.	1.9	-6000.7	0.0	14344.1	-0.8	-85173.9
	2.2	-5977.7	-0.3	15302.0	64.0	-83253.3
356.	1.9	-8228.3	0.0	14344.1	-0.6	-401324.0
	2.2	-8205.2	-0.3	15302.0	75.2	-398378.2
Asta	124	nodì	60	62		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	1.8	7968.9	0.2	430.3	21.0	-425844.1
	2.0	7994.1	-0.7	1780.7	-125.1	-429643.4
37.	1.8	6111.1	0.2	430.3	12.5	-164923.1
	2.0	6136.2	-0.7	1780.7	-99.4	-167791.9
74.	1.8	4253.3	0.2	430.3	4.0	27141.9
	2.0	4278.4	-0.7	1780.7	-73.8	25203.7
111.	1.8	2395.4	0.2	430.3	-4.5	150350.8
	2.0	2420.5	-0.7	1780.7	-48.2	149343.2
148.	1.8	537.6	0.2	430.3	-13.0	204703.7
	2.0	562.7	-0.7	1780.7	-22.6	204626.6
185.	1.8	-1320.2	0.2	430.3	-21.5	190200.5
	2.0	-1295.1	-0.7	1780.7	3.0	191054.1
222.	1.8	-3178.1	0.2	430.3	-30.0	106841.3
	2.0	-3153.0	-0.7	1780.7	28.7	108625.4
259.	1.8	-5035.9	0.2	430.3	-38.5	-45373.9
	2.0	-5010.8	-0.7	1780.7	54.3	-42659.2
297.	1.8	-6893.7	0.2	430.3	-46.9	-266445.1
	2.0	-6868.6	-0.7	1780.7	79.9	-262799.9
Asta	125	nodì	62	64		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	2.2	6294.5	1.2	-9772.3	124.5	-222399.6
	2.2	6321.6	0.2	-8240.2	-2.4	-225753.5
34.	2.2	4609.0	1.2	-9772.3	85.3	-39084.0
	2.2	4636.1	0.2	-8240.2	-9.0	-41527.7
67.	2.2	2923.5	1.2	-9772.3	46.0	87555.7
	2.2	2950.5	0.2	-8240.2	-15.5	86022.3
101.	2.2	1238.0	1.2	-9772.3	6.7	157519.8
	2.2	1265.0	0.2	-8240.2	-22.1	156896.6
135.	2.2	-447.6	1.2	-9772.3	-32.5	170808.1
	2.2	-420.5	0.2	-8240.2	-28.6	171095.1
168.	2.2	-2133.1	1.2	-9772.3	-71.8	127420.7
	2.2	-2106.0	0.2	-8240.2	-35.2	128617.9
202.	2.2	-3818.6	1.2	-9772.3	-111.0	27357.5
	2.2	-3791.5	0.2	-8240.2	-41.8	29465.0
235.	2.2	-5504.1	1.2	-9772.3	-150.3	-129381.4
	2.2	-5477.1	0.2	-8240.2	-48.3	-126363.7
269.	2.2	-7189.7	1.2	-9772.3	-189.5	-342796.0
	2.2	-7162.6	0.2	-8240.2	-54.9	-338868.1
Asta	126	nodì	36	110		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.1	3376.4	1.0	86959.1	133.4	-190453.2

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45.	-0.3	3387.8	0.7	88213.3	82.7	-192659.2
	-0.1	2568.9	1.0	86959.1	88.4	-57984.3
	-0.3	2580.3	0.7	88213.3	51.8	-59681.7
89.	-0.1	1761.4	1.0	86959.1	43.4	38501.6
	-0.3	1772.9	0.7	88213.3	21.0	37312.9
134.	-0.1	954.0	1.0	86959.1	-1.6	99004.6
	-0.3	965.4	0.7	88213.3	-9.9	98324.5
178.	-0.1	146.5	1.0	86959.1	-46.6	123524.5
	-0.3	157.9	0.7	88213.3	-40.7	123353.0
223.	-0.1	-661.0	1.0	86959.1	-91.6	112061.5
	-0.3	-649.6	0.7	88213.3	-71.6	112398.6
267.	-0.1	-1468.4	1.0	86959.1	-136.6	64615.5
	-0.3	-1457.0	0.7	88213.3	-102.4	65461.2
312.	-0.1	-2275.9	1.0	86959.1	-181.6	-18813.6
	-0.3	-2264.5	0.7	88213.3	-133.2	-17459.2
357.	-0.1	-3083.4	1.0	86959.1	-226.6	-138225.6
	-0.3	-3072.0	0.7	88213.3	-164.1	-136362.6
Asta	127	nod	12	10		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.3	5513.2	0.1	-24249.5	4.1	-527868.3
	-0.3	5520.9	0.0	-23237.0	-18.7	-530323.3
76.	-0.3	4134.9	0.1	-24249.5	-2.4	-160938.8
	-0.3	4142.6	0.0	-23237.0	-19.2	-162807.9
152.	-0.3	2756.7	0.1	-24249.5	-8.9	101157.4
	-0.3	2764.4	0.0	-23237.0	-19.8	99874.1
228.	-0.3	1378.4	0.1	-24249.5	-15.4	258420.3
	-0.3	1386.1	0.0	-23237.0	-20.3	257722.7
304.	-0.3	0.2	0.1	-24249.5	-21.9	310849.8
	-0.3	7.9	0.0	-23237.0	-20.9	310738.1
380.	-0.3	-1378.1	0.1	-24249.5	-28.4	258446.0
	-0.3	-1370.4	0.0	-23237.0	-21.4	258920.1
456.	-0.3	-2756.3	0.1	-24249.5	-34.9	101208.9
	-0.3	-2748.6	0.0	-23237.0	-22.0	102268.7
532.	-0.3	-4134.6	0.1	-24249.5	-41.4	-160861.6
	-0.3	-4126.9	0.0	-23237.0	-22.5	-159215.9
609.	-0.3	-5512.8	0.1	-24249.5	-47.9	-527765.4
	-0.3	-5505.1	0.0	-23237.0	-23.1	-525533.9
Asta	128	nod	110	12		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.4	2253.8	0.7	-68257.4	196.9	-85744.3
	-0.4	2282.3	0.4	-67547.1	130.1	-89742.4
39.	-0.4	1547.2	0.7	-68257.4	168.4	-11624.7
	-0.4	1575.6	0.4	-67547.1	116.3	-14512.1
78.	-0.4	840.5	0.7	-68257.4	140.0	34934.3
	-0.4	869.0	0.4	-67547.1	102.5	33157.6
117.	-0.4	133.8	0.7	-68257.4	111.5	53932.9
	-0.4	162.3	0.4	-67547.1	88.7	53266.8
156.	-0.4	-572.9	0.7	-68257.4	83.0	45370.9
	-0.4	-544.4	0.4	-67547.1	74.9	45815.5
195.	-0.4	-1279.6	0.7	-68257.4	54.6	9248.4
	-0.4	-1251.1	0.4	-67547.1	61.0	10803.6
234.	-0.4	-1986.2	0.7	-68257.4	26.1	-54434.7
	-0.4	-1957.8	0.4	-67547.1	47.2	-51768.8
273.	-0.4	-2692.9	0.7	-68257.4	-2.3	-145678.2
	-0.4	-2664.4	0.4	-67547.1	33.4	-141901.6
312.	-0.4	-3399.6	0.7	-68257.4	-30.8	-264482.3
	-0.4	-3371.1	0.4	-67547.1	19.6	-259595.0
Asta	130	nod	38	36		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.2	8074.9	0.1	8747.2	25.8	-583328.9
	0.0	8054.8	-0.2	10515.3	-45.5	-580175.4
53.	0.2	6132.2	0.1	8747.2	19.8	-209062.7
	0.0	6112.1	-0.2	10515.3	-36.3	-206963.9
105.	0.2	4189.5	0.1	8747.2	13.8	62848.1
	0.0	4169.5	-0.2	10515.3	-27.0	63892.3
158.	0.2	2246.8	0.1	8747.2	7.7	232403.6
	0.0	2226.8	-0.2	10515.3	-17.8	232393.0
211.	0.2	304.1	0.1	8747.2	1.7	299603.7
	0.0	284.1	-0.2	10515.3	-8.5	298538.4
263.	0.2	-1638.6	0.1	8747.2	-4.3	264448.3
	0.0	-1658.6	-0.2	10515.3	0.7	262328.4
316.	0.2	-3581.3	0.1	8747.2	-10.4	126937.6
	0.0	-3601.3	-0.2	10515.3	10.0	123763.0
369.	0.2	-5524.0	0.1	8747.2	-16.4	-112928.5
	0.0	-5544.0	-0.2	10515.3	19.2	-117157.8
422.	0.2	-7466.7	0.1	8747.2	-22.4	-455149.9
	0.0	-7486.7	-0.2	10515.3	28.5	-460434.0
Asta	131	nod	44	42		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3.3	8574.1	0.3	12011.7	92.8	-609766.0
	-3.0	8559.6	0.1	14776.3	32.1	-606987.7
58.	-3.3	6433.2	0.3	12011.7	75.3	-174085.8
	-3.0	6418.7	0.1	14776.3	27.7	-172147.9
116.	-3.3	4292.3	0.3	12011.7	57.8	137289.8
	-3.0	4277.9	0.1	14776.3	23.3	138387.4
174.	-3.3	2151.5	0.3	12011.7	40.3	324360.9
	-3.0	2137.0	0.1	14776.3	18.9	324618.1
232.	-3.3	10.6	0.3	12011.7	22.8	387127.4
	-3.0	-3.9	0.1	14776.3	14.5	386544.3
290.	-3.3	-2130.3	0.3	12011.7	5.3	325589.4

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348.	-3.0	-2144.8	0.1	14776.3	10.1	324165.9
	-3.3	-4271.2	0.3	12011.7	-12.2	139746.9
	-3.0	-4285.6	0.1	14776.3	5.7	137483.1
406.	-3.3	-6412.0	0.3	12011.7	-29.7	-170400.2
	-3.0	-6426.5	0.1	14776.3	1.3	-173504.3
465.	-3.3	-8552.9	0.3	12011.7	-47.2	-604851.8
	-3.0	-8567.4	0.1	14776.3	-3.1	-608796.3
Asta	132	nodì	40	38		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.3	8500.2	0.1	-17791.1	14.0	-600355.1
	-1.6	8474.5	-0.2	-16789.5	-30.6	-593194.2
58.	-1.3	6359.4	0.1	-17791.1	10.4	-168962.6
	-1.6	6333.6	-0.2	-16789.5	-20.8	-163297.0
116.	-1.3	4218.5	0.1	-17791.1	6.7	138125.4
	-1.6	4192.7	-0.2	-16789.5	-10.9	142295.8
174.	-1.3	2077.6	0.1	-17791.1	3.0	320908.9
	-1.6	2051.9	-0.2	-16789.5	-1.0	323583.9
232.	-1.3	-63.3	0.1	-17791.1	-0.7	379387.9
	-1.6	-89.0	-0.2	-16789.5	8.9	380567.6
290.	-1.3	-2204.1	0.1	-17791.1	-4.3	313562.3
	-1.6	-2229.9	-0.2	-16789.5	18.7	313246.7
348.	-1.3	-4345.0	0.1	-17791.1	-8.0	123432.1
	-1.6	-4370.8	-0.2	-16789.5	28.6	121621.3
406.	-1.3	-6485.9	0.1	-17791.1	-11.7	-191002.5
	-1.6	-6511.6	-0.2	-16789.5	38.5	-194308.7
465.	-1.3	-8626.8	0.1	-17791.1	-15.4	-629741.7
	-1.6	-8652.5	-0.2	-16789.5	48.3	-634543.2
Asta	133	nodì	46	44		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	6992.8	0.2	-24751.1	-0.5	-421133.7
	-0.4	6942.0	0.0	-25495.9	-31.6	-408554.3
49.	0.0	5183.8	0.2	-24751.1	-10.9	-122425.4
	-0.4	5133.0	0.0	-25495.9	-29.8	-112338.8
98.	0.0	3374.8	0.2	-24751.1	-21.3	87527.5
	-0.4	3324.0	0.0	-25495.9	-28.1	95121.2
147.	0.0	1565.8	0.2	-24751.1	-31.6	208724.9
	-0.4	1514.9	0.0	-25495.9	-26.3	213825.8
196.	0.0	-243.3	0.2	-24751.1	-42.0	241167.0
	-0.4	-294.1	0.0	-25495.9	-24.6	243774.9
245.	0.0	-2052.3	0.2	-24751.1	-52.3	184853.6
	-0.4	-2103.1	0.0	-25495.9	-22.8	184968.7
294.	0.0	-3861.3	0.2	-24751.1	-62.7	39784.9
	-0.4	-3912.1	0.0	-25495.9	-21.0	37407.0
343.	0.0	-5670.4	0.2	-24751.1	-73.0	-194039.3
	-0.4	-5721.2	0.0	-25495.9	-19.3	-198910.1
393.	0.0	-7479.4	0.2	-24751.1	-83.4	-516618.9
	-0.4	-7530.2	0.0	-25495.9	-17.5	-523982.6
Asta	134	nodì	40	32		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2.6	4027.6	0.6	-10168.5	93.5	-302360.2
	-2.8	4082.0	0.3	-8734.3	47.2	-313008.0
45.	-2.6	3220.2	0.6	-10168.5	66.1	-140869.9
	-2.8	3274.6	0.3	-8734.3	32.5	-149093.4
89.	-2.6	2412.7	0.6	-10168.5	38.6	-15362.5
	-2.8	2467.1	0.3	-8734.3	17.8	-21161.8
134.	-2.6	1605.2	0.6	-10168.5	11.2	74161.8
	-2.8	1659.6	0.3	-8734.3	3.1	70786.8
178.	-2.6	797.8	0.6	-10168.5	-16.3	127703.2
	-2.8	852.2	0.3	-8734.3	-11.6	126752.4
223.	-2.6	-9.7	0.6	-10168.5	-43.7	145261.6
	-2.8	44.7	0.3	-8734.3	-26.4	146735.0
267.	-2.6	-817.2	0.6	-10168.5	-71.2	126836.9
	-2.8	-762.8	0.3	-8734.3	-41.1	130734.6
312.	-2.6	-1624.7	0.6	-10168.5	-98.6	72429.3
	-2.8	-1570.3	0.3	-8734.3	-55.8	78751.3
357.	-2.6	-2432.1	0.6	-10168.5	-126.1	-17961.3
	-2.8	-2377.7	0.3	-8734.3	-70.5	-9215.1
Asta	135	nodì	42	30		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-4.0	3830.3	-0.8	-9297.6	-107.6	-276185.6
	-4.6	3906.2	-1.2	-7807.3	-165.1	-290436.2
45.	-4.0	3022.9	-0.8	-9297.6	-70.5	-123487.3
	-4.6	3098.8	-1.2	-7807.3	-112.6	-134355.6
89.	-4.0	2215.4	-0.8	-9297.6	-33.4	-6772.0
	-4.6	2291.3	-1.2	-7807.3	-60.1	-14258.0
134.	-4.0	1407.9	-0.8	-9297.6	3.8	73960.3
	-4.6	1483.8	-1.2	-7807.3	-7.7	69856.6
178.	-4.0	600.5	-0.8	-9297.6	40.9	118709.7
	-4.6	676.4	-1.2	-7807.3	44.8	117988.2
223.	-4.0	-207.0	-0.8	-9297.6	78.0	127476.0
	-4.6	-131.1	-1.2	-7807.3	97.3	130136.8
267.	-4.0	-1014.5	-0.8	-9297.6	115.1	100259.4
	-4.6	-938.6	-1.2	-7807.3	149.8	106302.4
312.	-4.0	-1822.0	-0.8	-9297.6	152.3	37059.7
	-4.6	-1746.1	-1.2	-7807.3	202.3	46485.0
357.	-4.0	-2629.4	-0.8	-9297.6	189.4	-62122.9
	-4.6	-2553.5	-1.2	-7807.3	254.8	-49315.4
Asta	136	nodì	50	32		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ

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0.	-1.7	4305.3	-1.6	-4698.3	-391.0	-199545.9
	-1.1	4273.4	-2.4	-1759.0	-530.0	-195419.8
39.	-1.7	2960.8	-1.6	-4698.3	-329.4	-58084.3
	-1.1	2928.9	-2.4	-1759.0	-438.4	-55200.5
78.	-1.7	1616.2	-1.6	-4698.3	-267.9	31023.5
	-1.1	1584.3	-2.4	-1759.0	-346.7	32665.2
117.	-1.7	271.6	-1.6	-4698.3	-206.4	67777.6
	-1.1	239.7	-2.4	-1759.0	-255.1	68177.1
156.	-1.7	-1072.9	-1.6	-4698.3	-144.9	52178.0
	-1.1	-1104.8	-2.4	-1759.0	-163.4	51335.2
195.	-1.7	-2417.5	-1.6	-4698.3	-83.3	-15775.4
	-1.1	-2449.4	-2.4	-1759.0	-71.8	-17860.4
234.	-1.7	-3762.0	-1.6	-4698.3	-21.8	-136082.6
	-1.1	-3793.9	-2.4	-1759.0	19.8	-139409.8
273.	-1.7	-5106.6	-1.6	-4698.3	39.7	-308743.5
	-1.1	-5138.5	-2.4	-1759.0	111.5	-313312.9
312.	-1.7	-6451.1	-1.6	-4698.3	101.3	-533758.1
	-1.1	-6483.0	-2.4	-1759.0	203.1	-539569.8
Asta	137	nodì	52	50		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.5	5704.7	0.6	-2090.7	350.5	-279682.2
	-1.2	5691.6	-0.1	-970.7	253.4	-276061.6
41.	-0.5	4288.9	0.6	-2090.7	324.6	-74813.0
	-1.2	4275.8	-0.1	-970.7	255.9	-71729.3
82.	-0.5	2873.1	0.6	-2090.7	298.7	72009.3
	-1.2	2860.0	-0.1	-970.7	258.4	74556.1
123.	-0.5	1457.4	0.6	-2090.7	272.8	160784.7
	-1.2	1444.3	-0.1	-970.7	260.9	162794.5
164.	-0.5	41.6	0.6	-2090.7	246.9	191513.1
	-1.2	28.5	-0.1	-970.7	263.4	192986.0
205.	-0.5	-1374.2	0.6	-2090.7	221.0	164194.5
	-1.2	-1387.3	-0.1	-970.7	265.8	165130.5
246.	-0.5	-2790.0	0.6	-2090.7	195.0	78829.0
	-1.2	-2803.1	-0.1	-970.7	268.3	79228.0
287.	-0.5	-4205.8	0.6	-2090.7	169.1	-64583.4
	-1.2	-4218.9	-0.1	-970.7	270.8	-64721.3
328.	-0.5	-5621.5	0.6	-2090.7	143.2	-266042.8
	-1.2	-5634.6	-0.1	-970.7	273.3	-266717.7
Asta	138	nodì	30	52		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.8	6131.2	1.9	-3482.6	88.9	-465743.0
	0.4	6173.9	1.4	-5205.3	12.5	-474626.2
38.	0.8	4803.9	1.9	-3482.6	15.4	-255584.4
	0.4	4846.7	1.4	-5205.3	-42.1	-262824.1
77.	0.8	3476.6	1.9	-3482.6	-58.1	-96443.7
	0.4	3519.4	1.4	-5205.3	-96.7	-102039.8
115.	0.8	2149.3	1.9	-3482.6	-131.6	11679.3
	0.4	2192.1	1.4	-5205.3	-151.3	7726.7
154.	0.8	822.0	1.9	-3482.6	-205.1	68784.3
	0.4	864.8	1.4	-5205.3	-205.9	66475.4
192.	0.8	-505.3	1.9	-3482.6	-278.7	74871.6
	0.4	-462.5	1.4	-5205.3	-260.6	74206.2
231.	0.8	-1832.6	1.9	-3482.6	-352.2	29941.0
	0.4	-1789.8	1.4	-5205.3	-315.2	30919.3
269.	0.8	-3159.9	1.9	-3482.6	-425.7	-66007.4
	0.4	-3117.1	1.4	-5205.3	-369.8	-63385.6
308.	0.8	-4487.2	1.9	-3482.6	-499.2	-212973.6
	0.4	-4444.4	1.4	-5205.3	-424.4	-208708.2
Asta	139	nodì	111	2		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	2.0	5558.0	0.4	30699.0	187.1	-552740.4
	-3.1	5651.6	0.5	32397.1	208.6	-579949.8
76.	2.0	4179.7	0.4	30699.0	158.6	-182402.5
	-3.1	4273.3	0.5	32397.1	171.4	-202494.7
152.	2.0	2801.5	0.4	30699.0	130.1	83102.0
	-3.1	2895.1	0.5	32397.1	134.2	70127.1
228.	2.0	1423.2	0.4	30699.0	101.7	243773.1
	-3.1	1516.8	0.5	32397.1	97.0	237915.5
304.	2.0	45.0	0.4	30699.0	73.2	299611.0
	-3.1	138.5	0.5	32397.1	59.8	300870.6
380.	2.0	-1333.3	0.4	30699.0	44.8	250615.5
	-3.1	-1239.7	0.5	32397.1	22.6	258992.4
456.	2.0	-2711.5	0.4	30699.0	16.3	96786.6
	-3.1	-2618.0	0.5	32397.1	-14.6	112280.9
532.	2.0	-4089.8	0.4	30699.0	-12.1	-161875.5
	-3.1	-3996.2	0.5	32397.1	-51.8	-139264.0
609.	2.0	-5468.0	0.4	30699.0	-40.6	-525371.0
	-3.1	-5374.5	0.5	32397.1	-89.0	-495642.2
Asta	140	nodì	112	111		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	4.0	-50.1	6.1	-136839.6	1049.1	279265.5
	0.3	95.6	6.2	-135960.1	1069.9	265448.1
39.	4.0	-756.8	6.1	-136839.6	811.8	263529.8
	0.3	-611.1	6.2	-135960.1	829.2	255396.3
78.	4.0	-1463.5	6.1	-136839.6	574.5	220233.5
	0.3	-1317.8	6.2	-135960.1	588.5	217783.9
117.	4.0	-2170.2	6.1	-136839.6	337.2	149376.7
	0.3	-2024.4	6.2	-135960.1	347.8	152611.1
156.	4.0	-2876.9	6.1	-136839.6	99.9	50959.4
	0.3	-2731.1	6.2	-135960.1	107.1	59877.7

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195.	4.0	-3583.5	6.1	-136839.6	-137.4	-75018.4
	0.3	-3437.8	6.2	-135960.1	-133.6	-60416.2
234.	4.0	-4290.2	6.1	-136839.6	-374.7	-228556.7
	0.3	-4144.5	6.2	-135960.1	-374.3	-208270.6
273.	4.0	-4996.9	6.1	-136839.6	-612.0	-409655.6
	0.3	-4851.2	6.2	-135960.1	-615.0	-383685.6
312.	4.0	-5703.6	6.1	-136839.6	-849.3	-618315.0
	0.3	-5557.8	6.2	-135960.1	-855.7	-586661.0
Asta	141	nodì	46	112		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2.1	5058.6	2.8	44772.4	284.6	-461237.0
	-2.1	5172.0	2.8	47699.8	292.3	-489585.0
45.	-2.1	4251.1	2.8	44772.4	161.6	-253804.0
	-2.1	4364.6	2.8	47699.8	166.2	-277097.1
89.	-2.1	3443.7	2.8	44772.4	38.6	-82353.9
	-2.1	3557.1	2.8	47699.8	40.1	-100592.3
134.	-2.1	2636.2	2.8	44772.4	-84.3	53113.2
	-2.1	2749.6	2.8	47699.8	-85.9	39929.6
178.	-2.1	1828.7	2.8	44772.4	-207.3	152597.2
	-2.1	1942.2	2.8	47699.8	-212.0	144468.5
223.	-2.1	1021.3	2.8	44772.4	-330.2	216098.3
	-2.1	1134.7	2.8	47699.8	-338.0	213024.4
267.	-2.1	213.8	2.8	44772.4	-453.2	243616.4
	-2.1	327.2	2.8	47699.8	-464.1	245597.3
312.	-2.1	-593.7	2.8	44772.4	-576.1	235151.5
	-2.1	-480.3	2.8	47699.8	-590.1	242187.2
357.	-2.1	-1401.2	2.8	44772.4	-699.1	190703.6
	-2.1	-1287.7	2.8	47699.8	-716.2	202794.1
Asta	142	nodì	13	11		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-29.2	4367.0	-24.8	18084.4	-1385.5	127032.4
	-25.5	4365.2	-26.8	21064.6	-1681.1	127270.7
34.	-29.2	2368.6	-24.8	18084.4	-536.6	242380.4
	-25.5	2366.8	-26.8	21064.6	-763.6	242556.7
69.	-29.2	370.2	-24.8	18084.4	312.4	289282.1
	-25.5	368.4	-26.8	21064.6	153.9	289396.4
103.	-29.2	-1628.3	-24.8	18084.4	1161.3	267737.5
	-25.5	-1630.1	-26.8	21064.6	1071.3	267789.9
137.	-29.2	-3626.7	-24.8	18084.4	2010.2	177746.7
	-25.5	-3628.5	-26.8	21064.6	1988.8	177737.1
171.	-29.2	-5625.1	-24.8	18084.4	2859.1	19309.6
	-25.5	-5626.9	-26.8	21064.6	2906.3	19238.0
206.	-29.2	-7623.5	-24.8	18084.4	3708.1	-207573.8
	-25.5	-7625.4	-26.8	21064.6	3823.8	-207707.4
240.	-29.2	-9622.0	-24.8	18084.4	4557.0	-502903.5
	-25.5	-9623.8	-26.8	21064.6	4741.3	-503099.1
274.	-29.2	-11620.4	-24.8	18084.4	5405.9	-866679.4
	-25.5	-11622.2	-26.8	21064.6	5658.8	-866937.0
Asta	143	nodì	15	13		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	17.1	7441.7	6.7	2691.9	463.5	-233338.1
	11.3	7439.1	4.3	4757.0	134.3	-232999.6
34.	17.1	5479.7	6.7	2691.9	238.7	-16096.6
	11.3	5477.1	4.3	4757.0	-9.3	-15845.8
67.	17.1	3517.8	6.7	2691.9	13.9	135174.0
	11.3	3515.2	4.3	4757.0	-152.9	135337.0
101.	17.1	1555.8	6.7	2691.9	-210.9	220473.5
	11.3	1553.2	4.3	4757.0	-296.5	220548.7
135.	17.1	-406.2	6.7	2691.9	-435.8	239802.0
	11.3	-408.8	4.3	4757.0	-440.1	239789.5
168.	17.1	-2368.1	6.7	2691.9	-660.6	193159.5
	11.3	-2370.7	4.3	4757.0	-583.8	193059.2
202.	17.1	-4330.1	6.7	2691.9	-885.4	80545.9
	11.3	-4332.7	4.3	4757.0	-727.4	80357.8
235.	17.1	-6292.0	6.7	2691.9	-1110.2	-98038.7
	11.3	-6294.7	4.3	4757.0	-871.0	-98314.6
269.	17.1	-8254.0	6.7	2691.9	-1335.0	-342594.3
	11.3	-8256.6	4.3	4757.0	-1014.6	-342958.0
Asta	144	nodì	17	15		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	16.3	9825.1	-0.6	-354.0	-59.9	-515564.4
	11.7	9823.1	-2.3	1525.2	-347.4	-515236.4
41.	16.3	7436.5	-0.6	-354.0	-35.2	-162242.3
	11.7	7434.4	-2.3	1525.2	-251.5	-161996.3
82.	16.3	5047.8	-0.6	-354.0	-10.5	93295.0
	11.7	5045.8	-2.3	1525.2	-155.5	93458.9
123.	16.3	2659.2	-0.6	-354.0	14.2	251047.5
	11.7	2657.2	-2.3	1525.2	-59.5	251129.4
164.	16.3	270.5	-0.6	-354.0	38.9	311015.2
	11.7	268.5	-2.3	1525.2	36.4	311015.1
205.	16.3	-2118.1	-0.6	-354.0	63.6	273198.2
	11.7	-2120.1	-2.3	1525.2	132.4	273116.0
246.	16.3	-4506.7	-0.6	-354.0	88.3	137596.3
	11.7	-4508.7	-2.3	1525.2	228.3	137432.0
287.	16.3	-6895.4	-0.6	-354.0	113.0	-95790.4
	11.7	-6897.4	-2.3	1525.2	324.3	-96036.7
328.	16.3	-9284.0	-0.6	-354.0	137.7	-426961.8
	11.7	-9286.0	-2.3	1525.2	420.3	-427290.2
Asta	145	nodì	19	17		

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PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	21.6	10018.2	1.7	-922.3	201.5	-600585.1
	23.1	10016.1	-0.2	906.0	-88.3	-600249.5
41.	21.6	7633.2	1.7	-922.3	133.4	-239835.6
	23.1	7631.1	-0.2	906.0	-79.9	-239585.9
82.	21.6	5248.2	1.7	-922.3	65.2	23427.4
	23.1	5246.1	-0.2	906.0	-71.5	23591.3
123.	21.6	2863.2	1.7	-922.3	-3.0	189204.0
	23.1	2861.1	-0.2	906.0	-63.2	189282.0
164.	21.6	478.2	1.7	-922.3	-71.2	257494.1
	23.1	476.1	-0.2	906.0	-54.8	257486.3
204.	21.6	-1906.8	1.7	-922.3	-139.4	228297.8
	23.1	-1908.9	-0.2	906.0	-46.4	228204.2
245.	21.6	-4291.8	1.7	-922.3	-207.6	101615.1
	23.1	-4293.9	-0.2	906.0	-38.0	101435.6
286.	21.6	-6676.8	1.7	-922.3	-275.7	-122554.1
	23.1	-6678.9	-0.2	906.0	-29.7	-122819.5
327.	21.6	-9061.7	1.7	-922.3	-343.9	-444209.7
	23.1	-9063.8	-0.2	906.0	-21.3	-444560.9
Asta	146	nod	21	19		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	15.5	9586.0	0.7	-1636.4	89.7	-547874.7
	14.3	9583.3	-1.3	85.2	-230.4	-547360.4
41.	15.5	7193.8	0.7	-1636.4	59.3	-203889.1
	14.3	7191.0	-1.3	85.2	-178.6	-203486.7
82.	15.5	4801.5	0.7	-1636.4	29.0	42012.9
	14.3	4798.7	-1.3	85.2	-126.8	42303.5
123.	15.5	2409.2	0.7	-1636.4	-1.4	189831.3
	14.3	2406.5	-1.3	85.2	-74.9	190010.0
164.	15.5	16.9	0.7	-1636.4	-31.8	239566.1
	14.3	14.2	-1.3	85.2	-23.1	239632.9
205.	15.5	-2375.4	0.7	-1636.4	-62.2	191217.3
	14.3	-2378.1	-1.3	85.2	28.7	191172.3
246.	15.5	-4767.7	0.7	-1636.4	-92.6	44784.9
	14.3	-4770.4	-1.3	85.2	80.5	44628.0
287.	15.5	-7159.9	0.7	-1636.4	-122.9	-199731.1
	14.3	-7162.7	-1.3	85.2	132.4	-199999.9
328.	15.5	-9552.2	0.7	-1636.4	-153.3	-542330.7
	14.3	-9555.0	-1.3	85.2	184.2	-542711.3
Asta	147	nod	23	21		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	14.5	9070.9	0.4	-5469.5	-159.9	-457371.0
	9.7	9069.1	-1.4	-4329.9	-454.3	-456663.2
41.	14.5	6689.5	0.4	-5469.5	-177.9	-135761.1
	9.7	6687.8	-1.4	-4329.9	-396.0	-135123.7
82.	14.5	4308.2	0.4	-5469.5	-196.0	88660.3
	9.7	4306.4	-1.4	-4329.9	-337.7	89227.3
122.	14.5	1926.8	0.4	-5469.5	-214.0	215893.1
	9.7	1925.1	-1.4	-4329.9	-279.4	216389.6
163.	14.5	-454.5	0.4	-5469.5	-232.1	245937.3
	9.7	-456.2	-1.4	-4329.9	-221.0	246363.5
204.	14.5	-2835.9	0.4	-5469.5	-250.1	178793.0
	9.7	-2837.6	-1.4	-4329.9	-162.7	179148.8
245.	14.5	-5217.2	0.4	-5469.5	-268.1	14460.2
	9.7	-5218.9	-1.4	-4329.9	-104.4	14745.5
286.	14.5	-7598.5	0.4	-5469.5	-286.2	-247061.2
	9.7	-7600.3	-1.4	-4329.9	-46.1	-246846.3
327.	14.5	-9979.9	0.4	-5469.5	-304.2	-605771.1
	9.7	-9981.6	-1.4	-4329.9	12.3	-605626.7
Asta	148	nod	25	23		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-6.9	9071.9	8.4	-27930.2	1993.3	-411782.9
	-5.8	9089.9	6.3	-30248.8	1662.2	-415158.0
41.	-6.9	6672.3	8.4	-27930.2	1648.1	-88044.3
	-5.8	6690.4	6.3	-30248.8	1402.8	-90675.7
82.	-6.9	4272.7	8.4	-27930.2	1302.8	137011.7
	-5.8	4290.8	6.3	-30248.8	1143.3	135124.0
123.	-6.9	1873.1	8.4	-27930.2	957.6	263385.1
	-5.8	1891.2	6.3	-30248.8	883.9	262241.2
165.	-6.9	-526.5	8.4	-27930.2	612.4	291075.9
	-5.8	-508.4	6.3	-30248.8	624.4	290675.7
206.	-6.9	-2926.0	8.4	-27930.2	267.1	220084.2
	-5.8	-2907.9	6.3	-30248.8	364.9	220427.7
247.	-6.9	-5325.6	8.4	-27930.2	-78.1	50409.9
	-5.8	-5307.5	6.3	-30248.8	105.5	51497.1
288.	-6.9	-7725.2	8.4	-27930.2	-423.3	-217947.1
	-5.8	-7707.1	6.3	-30248.8	-154.0	-216116.2
329.	-6.9	-10124.8	8.4	-27930.2	-768.6	-584986.6
	-5.8	-10106.7	6.3	-30248.8	-413.4	-582411.9
Asta	149	nod	55	25		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	5.0	10971.0	-31.8	18264.9	-8774.3	-541703.1
	0.3	10964.4	-32.9	22826.6	-8909.5	-541539.9
45.	5.0	8352.6	-31.8	18264.9	-7345.5	-108129.5
	0.3	8346.1	-32.9	22826.6	-7432.2	-108260.5
90.	5.0	5734.2	-31.8	18264.9	-5916.7	207944.2
	0.3	5727.7	-32.9	22826.6	-5954.9	207519.0
135.	5.0	3115.9	-31.8	18264.9	-4487.9	406517.9
	0.3	3109.3	-32.9	22826.6	-4477.6	405798.5
180.	5.0	497.5	-31.8	18264.9	-3059.1	487591.7

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224.	0.3	490.9	-32.9	22826.6	-3000.2	486578.2
	5.0	-2120.9	-31.8	18264.9	-1630.3	451165.6
	0.3	-2127.5	-32.9	22826.6	-1522.9	449857.8
269.	5.0	-4739.3	-31.8	18264.9	-201.5	297239.6
	0.3	-4745.9	-32.9	22826.6	-45.6	295637.6
314.	5.0	-7357.7	-31.8	18264.9	1227.4	25813.6
	0.3	-7364.2	-32.9	22826.6	1431.7	23917.4
359.	5.0	-9976.1	-31.8	18264.9	2656.2	-363112.3
	0.3	-9982.6	-32.9	22826.6	2909.0	-365302.7
Asta	150	nodi	105	55		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	12.4	17165.3	-70.1	-22729.0	4235.9	-1278325.3
	9.1	17056.8	-88.9	-32270.3	2217.3	-1268896.9
19.	12.4	16071.3	-70.1	-22729.0	5549.5	-966732.5
	9.1	15962.8	-88.9	-32270.3	3884.2	-959338.6
38.	12.4	14977.2	-70.1	-22729.0	6863.0	-675652.8
	9.1	14868.7	-88.9	-32270.3	5551.1	-670293.5
56.	12.4	13883.2	-70.1	-22729.0	8176.6	-405086.3
	9.1	13774.7	-88.9	-32270.3	7218.1	-401761.4
75.	12.4	12789.2	-70.1	-22729.0	9490.1	-155032.8
	9.1	12680.7	-88.9	-32270.3	8885.0	-153742.4
94.	12.4	11695.1	-70.1	-22729.0	10803.7	74507.6
	9.1	11586.6	-88.9	-32270.3	10551.9	73763.5
113.	12.4	10601.1	-70.1	-22729.0	12117.2	283534.9
	9.1	10492.6	-88.9	-32270.3	12218.8	280756.3
131.	12.4	9507.1	-70.1	-22729.0	13430.8	472049.1
	9.1	9398.6	-88.9	-32270.3	13885.8	467236.0
150.	12.4	8413.0	-70.1	-22729.0	14744.3	640050.2
	9.1	8304.5	-88.9	-32270.3	15552.7	633202.6
Asta	151	nodi	27	29		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-7.8	6566.0	9.0	-38172.5	1802.3	-219365.1
	-5.2	6454.0	7.7	-38824.8	1577.3	-200988.6
44.	-7.8	4604.4	9.0	-38172.5	1409.1	23590.7
	-5.2	4492.4	7.7	-38824.8	1243.7	37095.4
87.	-7.8	2642.9	9.0	-38172.5	1015.9	181219.0
	-5.2	2530.9	7.7	-38824.8	910.1	189851.9
131.	-7.8	681.3	9.0	-38172.5	622.7	253519.9
	-5.2	569.3	7.7	-38824.8	576.4	257281.0
174.	-7.8	-1280.2	9.0	-38172.5	229.5	240493.4
	-5.2	-1392.2	7.7	-38824.8	242.8	239382.7
218.	-7.8	-3241.8	9.0	-38172.5	-163.7	142139.5
	-5.2	-3353.8	7.7	-38824.8	-90.8	136156.9
261.	-7.8	-5203.3	9.0	-38172.5	-556.9	-41541.8
	-5.2	-5315.3	7.7	-38824.8	-424.5	-52396.2
305.	-7.8	-7164.9	9.0	-38172.5	-950.1	-310550.6
	-5.2	-7276.9	7.7	-38824.8	-758.1	-326276.8
348.	-7.8	-9126.4	9.0	-38172.5	-1343.3	-664886.8
	-5.2	-9238.4	7.7	-38824.8	-1091.7	-685484.8
Asta	152	nodi	47	27		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-15.3	7557.8	-25.4	33902.3	-6937.7	-221164.8
	-17.9	7539.0	-27.9	37820.6	-7461.9	-214884.3
45.	-15.3	5534.3	-25.4	33902.3	-5799.4	72588.8
	-17.9	5515.5	-27.9	37820.6	-6209.2	78025.8
90.	-15.3	3510.7	-25.4	33902.3	-4661.1	275535.4
	-17.9	3491.9	-27.9	37820.6	-4956.5	280129.1
135.	-15.3	1487.2	-25.4	33902.3	-3522.7	387675.1
	-17.9	1468.4	-27.9	37820.6	-3703.9	391425.3
180.	-15.3	-536.4	-25.4	33902.3	-2384.4	409007.9
	-17.9	-555.2	-27.9	37820.6	-2451.2	411914.7
224.	-15.3	-2559.9	-25.4	33902.3	-1246.0	339533.7
	-17.9	-2578.7	-27.9	37820.6	-1198.5	341597.1
269.	-15.3	-4583.5	-25.4	33902.3	-107.7	179252.6
	-17.9	-4602.3	-27.9	37820.6	54.2	180472.6
314.	-15.3	-6607.1	-25.4	33902.3	1030.6	-71835.4
	-17.9	-6625.8	-27.9	37820.6	1306.9	-71458.9
359.	-15.3	-8630.6	-25.4	33902.3	2169.0	-413730.4
	-17.9	-8649.4	-27.9	37820.6	2559.5	-414197.3
Asta	153	nodi	106	47		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-22.2	12393.5	-199.5	36861.2	-12649.7	-714517.9
	-21.0	12450.5	-191.0	21393.3	-11102.7	-718336.8
19.	-22.2	11548.0	-199.5	36861.2	-8908.7	-490066.6
	-21.0	11605.0	-191.0	21393.3	-7520.7	-492816.5
38.	-22.2	10702.5	-199.5	36861.2	-5167.7	-281468.3
	-21.0	10759.5	-191.0	21393.3	-3938.8	-283149.3
56.	-22.2	9857.0	-199.5	36861.2	-1426.6	-88723.1
	-21.0	9914.0	-191.0	21393.3	-356.8	-89335.1
75.	-22.2	9011.5	-199.5	36861.2	2314.4	88169.1
	-21.0	9068.5	-191.0	21393.3	3225.1	88626.0
94.	-22.2	8166.0	-199.5	36861.2	6055.4	249208.3
	-21.0	8223.0	-191.0	21393.3	6807.1	250734.1
113.	-22.2	7320.5	-199.5	36861.2	9796.5	394394.4
	-21.0	7377.5	-191.0	21393.3	10389.0	396989.2
131.	-22.2	6475.0	-199.5	36861.2	13537.5	523727.5
	-21.0	6532.0	-191.0	21393.3	13971.0	527391.2
150.	-22.2	5629.5	-199.5	36861.2	17278.5	637207.5
	-21.0	5686.5	-191.0	21393.3	17552.9	641940.2

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Asta PROGR.	154 NORM	nod TY	53 TZZ	104 TORS	MY	MZ
0.	-18.2	9363.2	27.6	-9834.1	3002.1	-483858.7
	-17.8	9349.2	26.1	-7244.9	2701.3	-480474.8
56.	-18.2	6849.3	27.6	-9834.1	1464.7	-31935.1
	-17.8	6835.2	26.1	-7244.9	1243.9	-29333.6
112.	-18.2	4335.3	27.6	-9834.1	-72.8	279836.3
	-17.8	4321.3	26.1	-7244.9	-213.4	281655.4
167.	-18.2	1821.4	27.6	-9834.1	-1610.3	451455.6
	-17.8	1807.4	26.1	-7244.9	-1670.7	452492.2
223.	-18.2	-692.5	27.6	-9834.1	-3147.8	482922.7
	-17.8	-706.6	26.1	-7244.9	-3128.0	483176.8
279.	-18.2	-3206.5	27.6	-9834.1	-4685.3	374237.6
	-17.8	-3220.5	26.1	-7244.9	-4585.4	373709.3
335.	-18.2	-5720.4	27.6	-9834.1	-6222.8	125400.3
	-17.8	-5734.5	26.1	-7244.9	-6042.7	124089.6
390.	-18.2	-8234.4	27.6	-9834.1	-7760.3	-263589.1
	-17.8	-8248.4	26.1	-7244.9	-7500.0	-265682.3
446.	-18.2	-10748.3	27.6	-9834.1	-9297.8	-792730.7
	-17.8	-10762.3	26.1	-7244.9	-8957.4	-795606.3
Asta PROGR.	156 NORM	nod TY	31 TZZ	53 TORS	MY	MZ
0.	11.3	10778.0	-7.2	1905.8	-1134.0	-863584.3
	9.7	10790.0	-8.6	2803.3	-1460.0	-866388.0
55.	11.3	8297.9	-7.2	1905.8	-738.4	-338995.4
	9.7	8309.9	-8.6	2803.3	-986.2	-341142.3
110.	11.3	5817.8	-7.2	1905.8	-342.8	49186.9
	9.7	5829.7	-8.6	2803.3	-512.4	47696.7
165.	11.3	3337.7	-7.2	1905.8	52.8	300962.5
	9.7	3349.6	-8.6	2803.3	-38.5	300129.1
220.	11.3	857.6	-7.2	1905.8	448.4	416331.6
	9.7	869.5	-8.6	2803.3	435.3	416154.9
275.	11.3	-1622.6	-7.2	1905.8	844.0	395294.0
	9.7	-1610.6	-8.6	2803.3	909.1	395774.0
330.	11.3	-4102.7	-7.2	1905.8	1239.6	237849.7
	9.7	-4090.7	-8.6	2803.3	1383.0	238986.5
385.	11.3	-6582.8	-7.2	1905.8	1635.2	-56001.1
	9.7	-6570.9	-8.6	2803.3	1856.8	-54207.6
440.	11.3	-9062.9	-7.2	1905.8	2030.8	-486258.6
	9.7	-9051.0	-8.6	2803.3	2330.6	-483808.3
Asta PROGR.	157 NORM	nod TY	14 TZZ	12 TORS	MY	MZ
0.	3.0	5401.3	-0.6	22900.9	80.4	-770.3
	2.9	5400.8	-1.7	26063.0	-92.8	-748.5
34.	3.0	3402.9	-0.6	22900.9	100.4	150002.1
	2.9	3402.4	-1.7	26063.0	-33.2	150007.5
69.	3.0	1404.5	-0.6	22900.9	120.3	232328.3
	2.9	1404.0	-1.7	26063.0	26.4	232317.1
103.	3.0	-594.0	-0.6	22900.9	140.2	246208.1
	2.9	-594.4	-1.7	26063.0	85.9	246180.5
137.	3.0	-2592.4	-0.6	22900.9	160.2	191641.7
	2.9	-2592.9	-1.7	26063.0	145.5	191597.6
171.	3.0	-4590.8	-0.6	22900.9	180.1	68629.0
	2.9	-4591.3	-1.7	26063.0	205.1	68568.5
206.	3.0	-6589.3	-0.6	22900.9	200.1	-122829.9
	2.9	-6589.7	-1.7	26063.0	264.7	-122907.0
240.	3.0	-8587.7	-0.6	22900.9	220.0	-382735.2
	2.9	-8588.2	-1.7	26063.0	324.3	-382828.7
274.	3.0	-10586.1	-0.6	22900.9	239.9	-711086.7
	2.9	-10586.6	-1.7	26063.0	383.9	-711196.7
Asta PROGR.	158 NORM	nod TY	16 TZZ	14 TORS	MY	MZ
0.	6.3	7971.3	1.2	6405.4	124.0	-294093.6
	6.1	7970.8	-0.2	9141.8	-62.2	-294046.5
34.	6.3	6009.3	1.2	6405.4	82.1	-59044.5
	6.1	6008.9	-0.2	9141.8	-57.1	-59012.4
67.	6.3	4047.4	1.2	6405.4	40.1	110033.6
	6.1	4046.9	-0.2	9141.8	-52.1	110050.6
101.	6.3	2085.4	1.2	6405.4	-1.9	213140.6
	6.1	2085.0	-0.2	9141.8	-47.0	213142.6
135.	6.3	123.4	1.2	6405.4	-43.9	250276.7
	6.1	123.0	-0.2	9141.8	-41.9	250263.6
168.	6.3	-1838.5	1.2	6405.4	-85.9	221441.6
	6.1	-1839.0	-0.2	9141.8	-36.9	221413.6
202.	6.3	-3800.5	1.2	6405.4	-127.9	126635.6
	6.1	-3800.9	-0.2	9141.8	-31.8	126592.5
235.	6.3	-5762.5	1.2	6405.4	-169.9	-34141.5
	6.1	-5762.9	-0.2	9141.8	-26.8	-34199.6
269.	6.3	-7724.4	1.2	6405.4	-211.9	-260889.6
	6.1	-7724.9	-0.2	9141.8	-21.7	-260962.8
Asta PROGR.	159 NORM	nod TY	18 TZZ	16 TORS	MY	MZ
0.	6.4	9879.1	0.6	912.1	98.2	-511593.7
	6.5	9878.6	-0.4	3478.1	-75.3	-511533.2
41.	6.4	7490.4	0.6	912.1	73.4	-156062.3
	6.5	7490.0	-0.4	3478.1	-57.9	-156018.6
82.	6.4	5101.8	0.6	912.1	48.6	101684.2
	6.5	5101.4	-0.4	3478.1	-40.5	101711.1
123.	6.4	2713.1	0.6	912.1	23.8	261646.0
	6.5	2712.7	-0.4	3478.1	-23.2	261656.1

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164.	6.4	324.5	0.6	912.1	-1.0	323823.0
	6.5	324.1	-0.4	3478.1	-5.8	323816.3
205.	6.4	-2064.1	0.6	912.1	-25.8	288215.2
	6.5	-2064.5	-0.4	3478.1	11.6	288191.6
246.	6.4	-4452.8	0.6	912.1	-50.6	154822.6
	6.5	-4453.2	-0.4	3478.1	29.0	154782.2
287.	6.4	-6841.4	0.6	912.1	-75.4	-76354.8
	6.5	-6841.8	-0.4	3478.1	46.3	-76412.0
328.	6.4	-9230.0	0.6	912.1	-100.3	-405317.0
	6.5	-9230.4	-0.4	3478.1	63.7	-405391.0
Asta	160	nodì	20	18		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	5.1	9906.8	0.7	-814.1	81.0	-584123.9
	5.9	9906.3	-0.4	1581.7	-86.5	-584061.5
41.	5.1	7521.8	0.7	-814.1	54.3	-227928.4
	5.9	7521.3	-0.4	1581.7	-71.0	-227883.2
82.	5.1	5136.8	0.7	-814.1	27.5	30780.6
	5.9	5136.4	-0.4	1581.7	-55.5	30808.7
123.	5.1	2751.8	0.7	-814.1	0.7	192003.3
	5.9	2751.4	-0.4	1581.7	-40.0	192014.1
164.	5.1	366.8	0.7	-814.1	-26.1	255739.5
	5.9	366.4	-0.4	1581.7	-24.5	255733.1
204.	5.1	-2018.2	0.7	-814.1	-52.8	221989.2
	5.9	-2018.6	-0.4	1581.7	-9.0	221965.7
245.	5.1	-4403.2	0.7	-814.1	-79.6	90752.5
	5.9	-4403.6	-0.4	1581.7	6.5	90711.8
286.	5.1	-6788.2	0.7	-814.1	-106.4	-137970.7
	5.9	-6788.6	-0.4	1581.7	22.0	-138028.6
327.	5.1	-9173.2	0.7	-814.1	-133.2	-464180.2
	5.9	-9173.6	-0.4	1581.7	37.5	-464255.4
Asta	161	nodì	22	20		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	6.4	9577.4	1.0	-1764.8	185.4	-552666.9
	6.5	9576.5	0.0	245.5	26.9	-552463.2
41.	6.4	7185.1	1.0	-1764.8	145.1	-209037.2
	6.5	7184.2	0.0	245.5	26.3	-208870.2
82.	6.4	4792.8	1.0	-1764.8	104.8	36509.0
	6.5	4791.9	0.0	245.5	25.6	36639.1
123.	6.4	2400.5	1.0	-1764.8	64.5	183971.5
	6.5	2399.6	0.0	245.5	25.0	184064.9
164.	6.4	8.2	1.0	-1764.8	24.2	233350.4
	6.5	7.3	0.0	245.5	24.4	233407.0
205.	6.4	-2384.1	1.0	-1764.8	-16.1	184645.7
	6.5	-2385.0	0.0	245.5	23.8	184665.5
246.	6.4	-4776.3	1.0	-1764.8	-56.4	37857.4
	6.5	-4777.2	0.0	245.5	23.2	37840.5
287.	6.4	-7168.6	1.0	-1764.8	-96.7	-207014.4
	6.5	-7169.5	0.0	245.5	22.5	-207068.2
328.	6.4	-9560.9	1.0	-1764.8	-137.0	-549969.9
	6.5	-9561.8	0.0	245.5	21.9	-550060.4
Asta	162	nodì	24	22		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	4.9	9216.4	-0.9	-3550.7	-304.9	-486063.5
	4.7	9213.9	-1.9	-2846.3	-484.5	-485071.5
41.	4.9	6835.0	-0.9	-3550.7	-269.5	-158515.0
	4.7	6832.6	-1.9	-2846.3	-405.6	-157622.4
82.	4.9	4453.7	-0.9	-3550.7	-234.2	71845.0
	4.7	4451.2	-1.9	-2846.3	-326.8	72638.1
122.	4.9	2072.3	-0.9	-3550.7	-198.8	205016.5
	4.7	2069.9	-1.9	-2846.3	-247.9	205710.1
163.	4.9	-309.0	-0.9	-3550.7	-163.4	240999.4
	4.7	-311.4	-1.9	-2846.3	-169.1	241593.6
204.	4.9	-2690.4	-0.9	-3550.7	-128.1	179793.7
	4.7	-2692.8	-1.9	-2846.3	-90.2	180288.5
245.	4.9	-5071.7	-0.9	-3550.7	-92.7	21399.5
	4.7	-5074.1	-1.9	-2846.3	-11.4	21794.9
286.	4.9	-7453.0	-0.9	-3550.7	-57.3	-234183.3
	4.7	-7455.5	-1.9	-2846.3	67.5	-233887.3
327.	4.9	-9834.4	-0.9	-3550.7	-21.9	-586954.6
	4.7	-9836.8	-1.9	-2846.3	146.3	-586758.1
Asta	163	nodì	26	24		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	3.1	9109.5	6.9	-9449.4	1759.7	-406967.0
	2.3	9128.0	6.1	-13264.9	1627.5	-410628.4
41.	3.1	6709.9	6.9	-9449.4	1474.9	-81680.4
	2.3	6728.4	6.1	-13264.9	1378.1	-84581.7
82.	3.1	4310.3	6.9	-9449.4	1190.1	144923.6
	2.3	4328.8	6.1	-13264.9	1128.8	142782.4
123.	3.1	1910.8	6.9	-9449.4	905.3	272845.1
	2.3	1929.2	6.1	-13264.9	879.4	271464.0
165.	3.1	-488.8	6.9	-9449.4	620.5	302083.9
	2.3	-470.3	6.1	-13264.9	630.0	301463.0
206.	3.1	-2888.4	6.9	-9449.4	335.7	232640.2
	2.3	-2869.9	6.1	-13264.9	380.7	232779.3
247.	3.1	-5288.0	6.9	-9449.4	50.9	64513.9
	2.3	-5269.5	6.1	-13264.9	131.3	65413.1
288.	3.1	-7687.5	6.9	-9449.4	-233.9	-202295.0
	2.3	-7669.1	6.1	-13264.9	-118.0	-200635.7
329.	3.1	-10087.1	6.9	-9449.4	-518.7	-567786.4
	2.3	-10068.6	6.1	-13264.9	-367.4	-565367.0

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Asta PROGR.	164 NORM	nod TY	56 TZZ	26 TORS	MY	MZ
0.	5.1	10893.8	-31.0	8149.4	-8522.5	-524281.8
	6.2	10887.7	-31.9	15197.2	-8711.2	-524050.7
45.	5.1	8275.4	-31.0	8149.4	-7130.9	-94173.1
	6.2	8269.4	-31.9	15197.2	-7278.0	-94213.2
90.	5.1	5657.0	-31.0	8149.4	-5739.3	218435.6
	6.2	5651.0	-31.9	15197.2	-5844.7	218124.4
135.	5.1	3038.6	-31.0	8149.4	-4347.7	413544.4
	6.2	3032.6	-31.9	15197.2	-4411.5	412962.1
180.	5.1	420.3	-31.0	8149.4	-2956.0	491153.3
	6.2	414.2	-31.9	15197.2	-2978.3	490299.9
224.	5.1	-2198.1	-31.0	8149.4	-1564.4	451262.2
	6.2	-2204.2	-31.9	15197.2	-1545.0	450137.7
269.	5.1	-4816.5	-31.0	8149.4	-172.8	293871.2
	6.2	-4822.6	-31.9	15197.2	-111.8	292475.6
314.	5.1	-7434.9	-31.0	8149.4	1218.8	18980.3
	6.2	-7440.9	-31.9	15197.2	1321.5	17313.6
359.	5.1	-10053.3	-31.0	8149.4	2610.4	-373410.6
	6.2	-10059.3	-31.9	15197.2	2754.7	-375348.4
Asta PROGR.	165 NORM	nod TY	111 TZZ	56 TORS	MY	MZ
0.	7.7	9346.4	-140.4	15303.5	-3777.0	-579517.7
	9.2	9308.3	-143.6	11139.0	-3913.4	-576720.0
19.	7.7	8252.4	-140.4	15303.5	-1144.0	-414529.5
	9.2	8214.3	-143.6	11139.0	-1221.0	-412445.3
38.	7.7	7158.3	-140.4	15303.5	1489.0	-270054.5
	9.2	7120.3	-143.6	11139.0	1471.5	-268683.7
56.	7.7	6064.3	-140.4	15303.5	4122.0	-146092.6
	9.2	6026.2	-143.6	11139.0	4163.9	-145435.3
75.	7.7	4970.3	-140.4	15303.5	6755.0	-42643.8
	9.2	4932.2	-143.6	11139.0	6856.4	-42699.9
94.	7.7	3876.2	-140.4	15303.5	9387.9	40291.9
	9.2	3838.2	-143.6	11139.0	9548.9	39522.4
113.	7.7	2782.2	-140.4	15303.5	12020.9	102714.6
	9.2	2744.1	-143.6	11139.0	12241.3	101231.6
131.	7.7	1688.2	-140.4	15303.5	14653.9	144624.1
	9.2	1650.1	-143.6	11139.0	14933.8	142427.7
150.	7.7	594.1	-140.4	15303.5	17286.9	166020.5
	9.2	556.1	-143.6	11139.0	17626.3	163110.7
Asta PROGR.	166 NORM	nod TY	28 TZZ	30 TORS	MY	MZ
0.	2.9	6627.1	6.0	-75610.6	1711.0	-192340.2
	2.8	6532.0	5.1	-77113.8	1580.1	-176970.9
44.	2.9	4665.6	6.0	-75610.6	1449.8	53274.9
	2.8	4570.5	5.1	-77113.8	1356.1	64507.4
87.	2.9	2704.0	6.0	-75610.6	1188.6	213562.7
	2.8	2608.9	5.1	-77113.8	1132.1	220658.2
131.	2.9	742.5	6.0	-75610.6	927.3	288523.0
	2.8	647.4	5.1	-77113.8	908.2	291481.7
174.	2.9	-1219.1	6.0	-75610.6	666.1	278155.9
	2.8	-1314.2	5.1	-77113.8	684.2	276977.7
218.	2.9	-3180.6	6.0	-75610.6	404.9	182461.5
	2.8	-3275.7	5.1	-77113.8	460.2	177146.3
261.	2.9	-5142.2	6.0	-75610.6	143.7	1439.5
	2.8	-5237.3	5.1	-77113.8	236.3	-8012.5
305.	2.9	-7103.7	6.0	-75610.6	-117.5	-264909.8
	2.8	-7198.8	5.1	-77113.8	12.3	-278498.7
348.	2.9	-9065.3	6.0	-75610.6	-378.7	-616586.6
	2.8	-9160.4	5.1	-77113.8	-211.6	-634312.3
Asta PROGR.	167 NORM	nod TY	48 TZZ	28 TORS	MY	MZ
0.	2.3	9252.0	-31.6	81124.2	-8721.4	-662939.2
	2.5	9255.5	-32.5	84045.5	-8907.4	-661094.7
45.	2.3	7228.4	-31.6	81124.2	-7305.3	-293159.4
	2.5	7231.9	-32.5	84045.5	-7450.4	-291158.1
90.	2.3	5204.9	-31.6	81124.2	-5889.3	-14186.4
	2.5	5208.4	-32.5	84045.5	-5993.4	-12028.4
135.	2.3	3181.3	-31.6	81124.2	-4473.2	173979.6
	2.5	3184.8	-32.5	84045.5	-4536.3	176294.3
180.	2.3	1157.8	-31.6	81124.2	-3057.2	271338.6
	2.5	1161.3	-32.5	84045.5	-3079.3	273810.1
224.	2.3	-865.8	-31.6	81124.2	-1641.1	277890.7
	2.5	-862.3	-32.5	84045.5	-1622.3	280519.0
269.	2.3	-2889.3	-31.6	81124.2	-225.1	193635.9
	2.5	-2885.8	-32.5	84045.5	-165.2	196420.9
314.	2.3	-4912.9	-31.6	81124.2	1191.0	18574.2
	2.5	-4909.4	-32.5	84045.5	1291.8	21515.9
359.	2.3	-6936.4	-31.6	81124.2	2607.0	-247294.5
	2.5	-6932.9	-32.5	84045.5	2748.9	-244196.0
Asta PROGR.	168 NORM	nod TY	112 TZZ	48 TORS	MY	MZ
0.	-0.2	-1351.0	-125.0	88561.9	-1748.2	181612.0
	-0.4	-1383.3	-127.5	62654.0	-1786.1	183659.9
19.	-0.2	-2196.5	-125.0	88561.9	596.3	148353.8
	-0.4	-2228.8	-127.5	62654.0	604.8	149795.8
38.	-0.2	-3042.0	-125.0	88561.9	2940.7	99242.5
	-0.4	-3074.3	-127.5	62654.0	2995.6	100078.8
56.	-0.2	-3887.5	-125.0	88561.9	5285.2	34278.2

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75.	-0.4	-3919.8	-127.5	62654.0	5386.4	34508.7
	-0.2	-4733.0	-125.0	88561.9	7629.7	-46539.2
	-0.4	-4765.3	-127.5	62654.0	7777.3	-46914.5
94.	-0.2	-5578.5	-125.0	88561.9	9974.2	-143209.6
	-0.4	-5610.8	-127.5	62654.0	10168.1	-144190.7
113.	-0.2	-6424.0	-125.0	88561.9	12318.6	-255733.0
	-0.4	-6456.3	-127.5	62654.0	12558.9	-257319.9
131.	-0.2	-7269.5	-125.0	88561.9	14663.1	-384109.5
	-0.4	-7301.8	-127.5	62654.0	14949.8	-386302.2
150.	-0.2	-8115.0	-125.0	88561.9	17007.6	-528339.0
	-0.4	-8147.3	-127.5	62654.0	17340.6	-531137.5
Asta	169	nodì	54	110		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.9	9830.5	1.3	-12080.5	126.5	-546338.7
	0.7	9816.4	0.5	-9191.9	-38.1	-542884.8
56.	0.9	7316.5	1.3	-12080.5	53.4	-68365.3
	0.7	7302.4	0.5	-9191.9	-68.6	-65698.4
112.	0.9	4802.6	1.3	-12080.5	-19.8	269455.9
	0.7	4788.5	0.5	-9191.9	-99.1	271335.8
167.	0.9	2288.7	1.3	-12080.5	-92.9	467125.0
	0.7	2274.5	0.5	-9191.9	-129.6	468217.8
223.	0.9	-225.3	1.3	-12080.5	-166.1	524641.9
	0.7	-239.4	0.5	-9191.9	-160.0	524947.6
279.	0.9	-2739.2	1.3	-12080.5	-239.2	442006.7
	0.7	-2753.3	0.5	-9191.9	-190.5	441525.3
335.	0.9	-5253.2	1.3	-12080.5	-312.4	219219.2
	0.7	-5267.3	0.5	-9191.9	-221.0	217950.8
390.	0.9	-7767.1	1.3	-12080.5	-385.6	-143720.4
	0.7	-7781.2	0.5	-9191.9	-251.4	-145775.8
446.	0.9	-10281.0	1.3	-12080.5	-458.7	-646812.1
	0.7	-10295.2	0.5	-9191.9	-281.9	-649654.7
Asta	170	nodì	32	54		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	3.5	10460.2	0.3	178.9	155.6	-776266.1
	3.1	10471.0	-0.4	956.0	-4.2	-778806.2
55.	3.5	7980.1	0.3	178.9	138.8	-269156.1
	3.1	7990.9	-0.4	956.0	18.5	-271104.7
110.	3.5	5500.0	0.3	178.9	122.1	101547.2
	3.1	5510.8	-0.4	956.0	41.2	100190.1
165.	3.5	3019.9	0.3	178.9	105.3	335843.8
	3.1	3030.6	-0.4	956.0	64.0	335078.4
220.	3.5	539.8	0.3	178.9	88.5	433733.9
	3.1	550.5	-0.4	956.0	86.7	433560.0
275.	3.5	-1940.4	0.3	178.9	71.7	395217.3
	3.1	-1929.6	-0.4	956.0	109.4	395634.9
330.	3.5	-4420.5	0.3	178.9	55.0	220294.1
	3.1	-4409.7	-0.4	956.0	132.2	221303.2
385.	3.5	-6900.6	0.3	178.9	38.2	-91035.7
	3.1	-6889.8	-0.4	956.0	154.9	-89435.0
440.	3.5	-9380.7	0.3	178.9	21.4	-538772.2
	3.1	-9370.0	-0.4	956.0	177.6	-536580.0
Asta	171	nodì	71	70		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-10.2	6054.7	-5.4	-2119.2	-532.7	-49727.4
	-10.0	6054.8	5.3	990.4	588.7	-49761.3
34.	-10.2	3959.1	-5.4	-2119.2	-349.3	121758.5
	-10.0	3959.1	5.3	990.4	407.9	121726.0
69.	-10.2	1863.4	-5.4	-2119.2	-165.9	221468.2
	-10.0	1863.4	5.3	990.4	227.0	221437.1
103.	-10.2	-232.3	-5.4	-2119.2	17.5	249401.5
	-10.0	-232.2	5.3	990.4	46.2	249371.8
137.	-10.2	-2327.9	-5.4	-2119.2	200.8	205558.5
	-10.0	-2327.9	5.3	990.4	-134.7	205530.2
171.	-10.2	-4423.6	-5.4	-2119.2	384.2	89939.2
	-10.0	-4423.5	5.3	990.4	-315.6	89912.3
206.	-10.2	-6519.2	-5.4	-2119.2	567.6	-97456.4
	-10.0	-6519.2	5.3	990.4	-496.4	-97481.9
240.	-10.2	-8614.9	-5.4	-2119.2	751.0	-356628.3
	-10.0	-8614.9	5.3	990.4	-677.3	-356652.4
274.	-10.2	-10710.6	-5.4	-2119.2	934.3	-687576.6
	-10.0	-10710.5	5.3	990.4	-858.1	-687599.3
Asta	172	nodì	72	71		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-9.7	8728.7	-2.3	-1711.2	-373.5	-370952.3
	-9.3	8728.5	3.6	757.3	515.2	-370943.5
34.	-9.7	6671.3	-2.3	-1711.2	-294.6	-112039.9
	-9.3	6671.1	3.6	757.3	393.8	-112037.7
67.	-9.7	4613.9	-2.3	-1711.2	-215.6	77691.9
	-9.3	4613.7	3.6	757.3	272.5	77687.3
101.	-9.7	2556.5	-2.3	-1711.2	-136.6	198243.0
	-9.3	2556.3	3.6	757.3	151.1	198231.8
135.	-9.7	499.0	-2.3	-1711.2	-57.6	249613.5
	-9.3	498.8	3.6	757.3	29.7	249595.6
168.	-9.7	-1558.4	-2.3	-1711.2	21.4	231803.4
	-9.3	-1558.6	3.6	757.3	-91.6	231778.7
202.	-9.7	-3615.8	-2.3	-1711.2	100.4	144812.6
	-9.3	-3616.0	3.6	757.3	-213.0	144781.2
235.	-9.7	-5673.2	-2.3	-1711.2	179.3	-11358.9
	-9.3	-5673.4	3.6	757.3	-334.3	-11396.9
269.	-9.7	-7730.6	-2.3	-1711.2	258.3	-236710.9

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	-9.3	-7730.8	3.6	757.3	-455.7	-236755.6
Asta	173	nodì	73	72		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-7.0	10205.8	-2.7	-1449.5	-442.9	-481629.4
	-6.4	10205.6	3.1	999.5	528.7	-481600.2
41.	-7.0	7700.9	-2.7	-1449.5	-333.8	-115101.7
	-6.4	7700.7	3.1	999.5	400.6	-115081.0
82.	-7.0	5196.1	-2.7	-1449.5	-224.6	148883.7
	-6.4	5195.9	3.1	999.5	272.5	148896.0
123.	-7.0	2691.2	-2.7	-1449.5	-115.5	310327.0
	-6.4	2691.0	3.1	999.5	144.4	310330.8
164.	-7.0	186.4	-2.7	-1449.5	-6.4	369228.1
	-6.4	186.2	3.1	999.5	16.3	369223.4
205.	-7.0	-2318.5	-2.7	-1449.5	102.7	325587.0
	-6.4	-2318.7	3.1	999.5	-111.9	325573.8
246.	-7.0	-4823.3	-2.7	-1449.5	211.8	179403.7
	-6.4	-4823.5	3.1	999.5	-240.0	179382.0
287.	-7.0	-7328.2	-2.7	-1449.5	320.9	-69321.8
	-6.4	-7328.4	3.1	999.5	-368.1	-69352.0
328.	-7.0	-9833.0	-2.7	-1449.5	430.0	-420589.5
	-6.4	-9833.2	3.1	999.5	-496.2	-420628.2
Asta	174	nodì	74	73		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-6.1	5371.1	-3.8	-1582.4	-665.6	-328136.2
	-5.7	5371.0	3.7	1658.9	629.9	-328138.6
41.	-6.1	4047.2	-3.8	-1582.4	-510.7	-135650.1
	-5.7	4047.1	3.7	1658.9	479.3	-135655.9
82.	-6.1	2723.4	-3.8	-1582.4	-355.8	2724.8
	-5.7	2723.3	3.7	1658.9	328.6	2715.6
123.	-6.1	1399.6	-3.8	-1582.4	-200.8	86988.4
	-5.7	1399.5	3.7	1658.9	178.0	86975.7
164.	-6.1	75.8	-3.8	-1582.4	-45.9	117140.7
	-5.7	75.7	3.7	1658.9	27.3	117124.6
204.	-6.1	-1248.1	-3.8	-1582.4	109.0	93181.7
	-5.7	-1248.1	3.7	1658.9	-123.3	93162.1
245.	-6.1	-2571.9	-3.8	-1582.4	263.9	15111.4
	-5.7	-2572.0	3.7	1658.9	-274.0	15088.4
286.	-6.1	-3895.7	-3.8	-1582.4	418.9	-117070.1
	-5.7	-3895.8	3.7	1658.9	-424.6	-117096.5
327.	-6.1	-5219.5	-3.8	-1582.4	573.8	-303362.9
	-5.7	-5219.6	3.7	1658.9	-575.3	-303392.8
Asta	175	nodì	75	74		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-6.8	5316.6	-4.2	-860.3	-668.8	-314885.0
	-5.9	5315.7	4.3	2057.0	725.8	-314654.8
41.	-6.8	3988.7	-4.2	-860.3	-494.7	-124127.1
	-5.9	3987.8	4.3	2057.0	548.8	-123933.3
82.	-6.8	2660.8	-4.2	-860.3	-320.7	12188.0
	-5.9	2659.9	4.3	2057.0	371.9	12345.5
123.	-6.8	1333.0	-4.2	-860.3	-146.6	94060.5
	-5.9	1332.1	4.3	2057.0	194.9	94181.6
164.	-6.8	5.1	-4.2	-860.3	27.5	121490.2
	-5.9	4.2	4.3	2057.0	17.9	121574.9
205.	-6.8	-1322.8	-4.2	-860.3	201.5	94477.1
	-5.9	-1323.7	4.3	2057.0	-159.0	94525.5
246.	-6.8	-2650.7	-4.2	-860.3	375.6	13021.3
	-5.9	-2651.5	4.3	2057.0	-336.0	13033.3
287.	-6.8	-3978.5	-4.2	-860.3	549.7	-122877.2
	-5.9	-3979.4	4.3	2057.0	-512.9	-122901.6
328.	-6.8	-5306.4	-4.2	-860.3	723.8	-313218.5
	-5.9	-5307.3	4.3	2057.0	-689.9	-313279.2
Asta	176	nodì	76	75		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-7.8	5291.1	-4.8	276.4	-847.2	-331198.4
	-7.4	5289.6	3.0	2973.1	384.2	-330421.0
41.	-7.8	3969.3	-4.8	276.4	-651.1	-142227.4
	-7.4	3967.8	3.0	2973.1	261.7	-141513.1
82.	-7.8	2647.5	-4.8	276.4	-455.1	-7202.3
	-7.4	2646.0	3.0	2973.1	139.3	-6551.0
122.	-7.8	1325.7	-4.8	276.4	-259.0	73876.8
	-7.4	1324.2	3.0	2973.1	16.9	74465.1
163.	-7.8	3.9	-4.8	276.4	-63.0	101010.1
	-7.4	2.4	3.0	2973.1	-105.6	101535.3
204.	-7.8	-1317.9	-4.8	276.4	133.1	74197.4
	-7.4	-1319.4	3.0	2973.1	-228.0	74659.6
245.	-7.8	-2639.7	-4.8	276.4	329.1	-6561.3
	-7.4	-2641.2	3.0	2973.1	-350.5	-6162.1
286.	-7.8	-3961.5	-4.8	276.4	525.2	-141265.8
	-7.4	-3963.0	3.0	2973.1	-472.9	-140929.6
327.	-7.8	-5283.3	-4.8	276.4	721.2	-329916.3
	-7.4	-5284.8	3.0	2973.1	-595.4	-329643.2
Asta	177	nodì	77	76		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-6.5	9813.7	-6.4	1466.0	-1079.7	-442171.3
	-7.0	9829.4	1.3	3099.9	231.2	-445137.5
41.	-6.5	7297.4	-6.4	1466.0	-815.6	-90325.0
	-7.0	7313.1	1.3	3099.9	176.7	-92644.1
82.	-6.5	4781.1	-6.4	1466.0	-551.4	158037.7
	-7.0	4796.8	1.3	3099.9	122.1	156365.7

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123.	-6.5	2264.7	-6.4	1466.0	-287.3	302916.7
	-7.0	2280.5	1.3	3099.9	67.6	301891.8
165.	-6.5	-251.6	-6.4	1466.0	-23.2	344312.1
	-7.0	-235.9	1.3	3099.9	13.0	343934.3
206.	-6.5	-2767.9	-6.4	1466.0	240.9	282223.8
	-7.0	-2752.2	1.3	3099.9	-41.5	282493.1
247.	-6.5	-5284.2	-6.4	1466.0	505.1	116651.8
	-7.0	-5268.5	1.3	3099.9	-96.1	117568.2
288.	-6.5	-7800.5	-6.4	1466.0	769.2	-152403.9
	-7.0	-7784.8	1.3	3099.9	-150.6	-150840.4
329.	-6.5	-10316.9	-6.4	1466.0	1033.3	-524943.2
	-7.0	-10301.1	1.3	3099.9	-205.2	-522732.6
Asta	178	nodì	92	77		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-9.3	10944.3	-6.0	4606.9	-1072.0	-455489.6
	-8.1	10936.1	0.0	4615.0	-82.9	-455097.6
45.	-9.3	8198.5	-6.0	4606.9	-803.7	-25973.9
	-8.1	8190.4	0.0	4615.0	-81.4	-25946.9
90.	-9.3	5452.7	-6.0	4606.9	-535.4	280325.2
	-8.1	5444.6	0.0	4615.0	-80.0	279987.4
135.	-9.3	2706.9	-6.0	4606.9	-267.2	463407.9
	-8.1	2698.8	0.0	4615.0	-78.5	462705.2
180.	-9.3	-38.8	-6.0	4606.9	1.1	523274.0
	-8.1	-47.0	0.0	4615.0	-77.1	522206.4
224.	-9.3	-2784.6	-6.0	4606.9	269.4	459923.6
	-8.1	-2792.7	0.0	4615.0	-75.6	458491.2
269.	-9.3	-5530.4	-6.0	4606.9	537.6	273356.7
	-8.1	-5538.5	0.0	4615.0	-74.1	271559.4
314.	-9.3	-8276.1	-6.0	4606.9	805.9	-36426.7
	-8.1	-8284.3	0.0	4615.0	-72.7	-38588.9
359.	-9.3	-11021.9	-6.0	4606.9	1074.2	-469426.6
	-8.1	-11030.0	0.0	4615.0	-71.2	-471953.7
Asta	179	nodì	108	92		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-13.3	8666.2	-18.5	17174.6	-1129.9	-581227.6
	-11.9	8638.4	4.9	13334.1	746.2	-579066.5
19.	-13.3	7518.9	-18.5	17174.6	-783.1	-429492.7
	-11.9	7491.1	4.9	13334.1	654.1	-427852.4
38.	-13.3	6371.6	-18.5	17174.6	-436.3	-299269.0
	-11.9	6343.9	4.9	13334.1	561.9	-298149.4
56.	-13.3	5224.4	-18.5	17174.6	-89.5	-190556.4
	-11.9	5196.6	4.9	13334.1	469.8	-189957.4
75.	-13.3	4077.1	-18.5	17174.6	257.3	-103354.9
	-11.9	4049.3	4.9	13334.1	377.6	-103276.6
94.	-13.3	2929.9	-18.5	17174.6	604.1	-37664.4
	-11.9	2902.1	4.9	13334.1	285.5	-38106.8
113.	-13.3	1782.6	-18.5	17174.6	950.9	6514.9
	-11.9	1754.8	4.9	13334.1	193.3	5551.8
131.	-13.3	635.3	-18.5	17174.6	1297.7	29183.2
	-11.9	607.6	4.9	13334.1	101.2	27699.4
150.	-13.3	-511.9	-18.5	17174.6	1644.5	30340.3
	-11.9	-539.7	4.9	13334.1	9.0	28335.9
Asta	180	nodì	78	79		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3.6	3132.6	-4.0	24768.6	-627.8	-39190.6
	-4.3	3054.2	4.2	27713.7	778.6	-27109.9
44.	-3.6	2053.7	-4.0	24768.6	-453.1	73612.4
	-4.3	1975.4	4.2	27713.7	594.5	82283.8
87.	-3.6	974.9	-4.0	24768.6	-278.5	139484.2
	-4.3	896.5	4.2	27713.7	410.5	144746.3
131.	-3.6	-104.0	-4.0	24768.6	-103.9	158424.6
	-4.3	-182.4	4.2	27713.7	226.4	160277.4
174.	-3.6	-1182.9	-4.0	24768.6	70.8	130433.7
	-4.3	-1261.3	4.2	27713.7	42.3	128877.2
218.	-3.6	-2261.8	-4.0	24768.6	245.4	55511.5
	-4.3	-2340.2	4.2	27713.7	-141.8	50545.7
261.	-3.6	-3340.7	-4.0	24768.6	420.0	-66342.0
	-4.3	-3419.0	4.2	27713.7	-325.9	-74717.0
305.	-3.6	-4419.6	-4.0	24768.6	594.6	-235126.8
	-4.3	-4497.9	4.2	27713.7	-510.0	-246911.1
348.	-3.6	-5498.4	-4.0	24768.6	769.3	-450842.8
	-4.3	-5576.8	4.2	27713.7	-694.1	-466036.5
Asta	181	nodì	88	78		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3.7	4786.2	-4.2	14950.8	-827.1	-202753.8
	-3.3	4803.3	3.1	9950.8	457.7	-202927.5
45.	-3.7	3673.2	-4.2	14950.8	-640.4	-12944.9
	-3.3	3690.3	3.1	9950.8	320.6	-12354.2
90.	-3.7	2560.3	-4.2	14950.8	-453.7	126918.9
	-3.3	2577.3	3.1	9950.8	183.5	128274.0
135.	-3.7	1447.3	-4.2	14950.8	-267.0	216837.6
	-3.3	1464.3	3.1	9950.8	46.4	218957.1
180.	-3.7	334.3	-4.2	14950.8	-80.4	256811.1
	-3.3	351.3	3.1	9950.8	-90.8	259695.1
224.	-3.7	-778.7	-4.2	14950.8	106.3	246839.6
	-3.3	-761.7	3.1	9950.8	-227.9	250487.9
269.	-3.7	-1891.7	-4.2	14950.8	293.0	186922.9
	-3.3	-1874.6	3.1	9950.8	-365.0	191335.7
314.	-3.7	-3004.7	-4.2	14950.8	479.7	77061.2
	-3.3	-2987.6	3.1	9950.8	-502.1	82238.3

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359.	-3.7 -3.3	-4117.6 -4100.6	-4.2 3.1	14950.8 9950.8	666.3 -639.2	-82745.7 -76804.2
Asta	182	nodì	107	88		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.4	1142.2	-7.7	29678.7	-25.0	15157.9
	-0.7	1110.4	1.6	9568.8	-57.5	17463.4
19.	-0.4	677.2	-7.7	29678.7	119.8	32214.6
	-0.7	645.4	1.6	9568.8	-86.7	33924.0
38.	-0.4	212.1	-7.7	29678.7	264.6	40551.9
	-0.7	180.3	1.6	9568.8	-115.9	41665.2
56.	-0.4	-252.9	-7.7	29678.7	409.4	40169.8
	-0.7	-284.7	1.6	9568.8	-145.2	40687.0
75.	-0.4	-717.9	-7.7	29678.7	554.2	31068.4
	-0.7	-749.7	1.6	9568.8	-174.4	30989.4
94.	-0.4	-1183.0	-7.7	29678.7	699.0	13247.5
	-0.7	-1214.8	1.6	9568.8	-203.6	12572.4
113.	-0.4	-1648.0	-7.7	29678.7	843.7	-13292.8
	-0.7	-1679.8	1.6	9568.8	-232.8	-14564.0
131.	-0.4	-2113.0	-7.7	29678.7	988.5	-48552.5
	-0.7	-2144.8	1.6	9568.8	-262.0	-50419.7
150.	-0.4	-2578.1	-7.7	29678.7	1133.3	-92531.5
	-0.7	-2609.9	1.6	9568.8	-291.2	-94994.9
Asta	183	nodì	91	109		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-4.3	5132.1	-3.3	-14623.2	-710.6	-179892.9
	-4.4	5120.0	3.2	-12072.9	665.5	-176794.4
56.	-4.3	3749.4	-3.3	-14623.2	-527.6	67677.3
	-4.4	3737.3	3.2	-12072.9	489.2	70100.5
112.	-4.3	2366.7	-3.3	-14623.2	-344.7	238161.9
	-4.4	2354.6	3.2	-12072.9	312.9	239909.8
167.	-4.3	984.0	-3.3	-14623.2	-161.7	331560.7
	-4.4	971.9	3.2	-12072.9	136.6	332633.3
223.	-4.3	-398.7	-3.3	-14623.2	21.2	347873.9
	-4.4	-410.9	3.2	-12072.9	-39.8	348271.2
279.	-4.3	-1781.4	-3.3	-14623.2	204.2	287101.3
	-4.4	-1793.6	3.2	-12072.9	-216.1	286823.4
335.	-4.3	-3164.1	-3.3	-14623.2	387.1	149243.1
	-4.4	-3176.3	3.2	-12072.9	-392.4	148289.8
390.	-4.3	-4546.8	-3.3	-14623.2	570.1	-65700.9
	-4.4	-4559.0	3.2	-12072.9	-568.8	-67329.4
446.	-4.3	-5929.6	-3.3	-14623.2	753.1	-357730.5
	-4.4	-5941.7	3.2	-12072.9	-745.1	-360034.4
Asta	185	nodì	80	91		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-4.3	6287.9	-3.1	-22199.8	-671.8	-539082.1
	-4.4	6299.1	3.0	-21552.4	695.9	-541706.6
55.	-4.3	4923.8	-3.1	-22199.8	-503.1	-230762.0
	-4.4	4935.0	3.0	-21552.4	528.3	-232770.5
110.	-4.3	3559.7	-3.1	-22199.8	-334.3	2532.4
	-4.4	3570.9	3.0	-21552.4	360.7	1140.0
165.	-4.3	2195.6	-3.1	-22199.8	-165.5	160801.2
	-4.4	2206.8	3.0	-21552.4	193.1	160024.9
220.	-4.3	831.5	-3.1	-22199.8	3.2	244044.4
	-4.4	842.7	3.0	-21552.4	25.5	243884.1
275.	-4.3	-532.6	-3.1	-22199.8	172.0	252262.1
	-4.4	-521.4	3.0	-21552.4	-142.0	252717.8
330.	-4.3	-1896.7	-3.1	-22199.8	340.8	185454.1
	-4.4	-1885.5	3.0	-21552.4	-309.6	186525.9
385.	-4.3	-3260.8	-3.1	-22199.8	509.5	43620.5
	-4.4	-3249.6	3.0	-21552.4	-477.2	45308.4
440.	-4.3	-4624.9	-3.1	-22199.8	678.3	-173238.6
	-4.4	-4613.7	3.0	-21552.4	-644.8	-170934.7
Asta	186	nodì	113	97		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0
19.	0.0	-74.6	0.0	0.0	0.0	-699.8
	0.0	-74.6	0.0	0.0	0.0	-699.8
38.	0.0	-149.3	0.0	0.0	0.0	-2799.3
	0.0	-149.3	0.0	0.0	0.0	-2799.3
56.	0.0	-223.9	0.0	0.0	0.0	-6298.5
	0.0	-223.9	0.0	0.0	0.0	-6298.5
75.	0.0	-298.6	0.0	0.0	0.0	-11197.3
	0.0	-298.6	0.0	0.0	0.0	-11197.3
94.	0.0	-373.2	0.0	0.0	0.0	-17495.7
	0.0	-373.2	0.0	0.0	0.0	-17495.7
113.	0.0	-447.9	0.0	0.0	0.0	-25193.8
	0.0	-447.9	0.0	0.0	0.0	-25193.8
131.	0.0	-522.5	0.0	0.0	0.0	-34291.6
	0.0	-522.5	0.0	0.0	0.0	-34291.6
150.	0.0	-597.2	0.0	0.0	0.0	-44789.1
	0.0	-597.2	0.0	0.0	0.0	-44789.1
Asta	187	nodì	97	98		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-765.1	1139.1	4.1	623.7	776.1	-81673.0
	-760.0	1135.5	4.4	742.4	877.3	-81197.9
45.	-765.1	960.4	4.1	623.7	590.5	-34565.1
	-760.0	956.9	4.4	742.4	678.0	-34250.1
90.	-765.1	781.8	4.1	623.7	404.9	4525.4

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135.	-760.0	778.2	4.4	742.4	478.8	4680.3
	-765.1	603.1	4.1	623.7	219.3	35598.7
	-760.0	599.5	4.4	742.4	279.5	35593.4
180.	-765.1	424.5	4.1	623.7	33.7	58654.7
	-760.0	420.9	4.4	742.4	80.2	58489.3
224.	-765.1	245.8	4.1	623.7	-151.9	73693.3
	-760.0	242.2	4.4	742.4	-119.0	73367.8
269.	-765.1	67.1	4.1	623.7	-337.5	80714.7
	-760.0	63.6	4.4	742.4	-318.3	80229.0
314.	-765.1	-111.5	4.1	623.7	-523.1	79718.7
	-760.0	-115.1	4.4	742.4	-517.6	79073.0
359.	-765.1	-290.2	4.1	623.7	-708.7	70705.4
	-760.0	-293.8	4.4	742.4	-716.8	69899.6
Asta	188	nodì	98	99		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-599.4	221.1	1.9	523.1	166.7	80081.2
	-595.3	225.6	3.4	663.2	415.5	79165.1
41.	-599.4	57.4	1.9	523.1	87.2	85807.6
	-595.3	61.9	3.4	663.2	273.7	85077.2
82.	-599.4	-106.3	1.9	523.1	7.6	84800.8
	-595.3	-101.8	3.4	663.2	131.9	84255.9
123.	-599.4	-270.1	1.9	523.1	-72.0	77060.5
	-595.3	-265.6	3.4	663.2	-9.9	76701.2
165.	-599.4	-433.8	1.9	523.1	-151.6	62586.9
	-595.3	-429.3	3.4	663.2	-151.7	62413.2
206.	-599.4	-597.5	1.9	523.1	-231.2	41380.0
	-595.3	-593.0	3.4	663.2	-293.5	41391.9
247.	-599.4	-761.3	1.9	523.1	-310.8	13439.7
	-595.3	-756.8	3.4	663.2	-435.3	13637.2
288.	-599.4	-925.0	1.9	523.1	-390.4	-21233.9
	-595.3	-920.5	3.4	663.2	-577.1	-20850.9
329.	-599.4	-1088.7	1.9	523.1	-470.0	-62640.9
	-595.3	-1084.2	3.4	663.2	-718.9	-62072.3
Asta	189	nodì	103	102		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-585.5	964.1	-1.8	-380.2	-376.8	-54497.6
	-585.4	964.1	1.2	204.8	226.4	-54485.0
41.	-585.5	801.2	-1.8	-380.2	-302.6	-18364.4
	-585.4	801.1	1.2	204.8	179.1	-18354.9
82.	-585.5	638.2	-1.8	-380.2	-228.4	11096.7
	-585.4	638.1	1.2	204.8	131.9	11103.0
123.	-585.5	475.2	-1.8	-380.2	-154.2	33885.8
	-585.4	475.1	1.2	204.8	84.6	33888.9
164.	-585.5	312.2	-1.8	-380.2	-80.0	50002.7
	-585.4	312.1	1.2	204.8	37.3	50002.7
205.	-585.5	149.2	-1.8	-380.2	-5.8	59447.6
	-585.4	149.1	1.2	204.8	-9.9	59444.4
246.	-585.5	-13.8	-1.8	-380.2	68.4	62220.3
	-585.4	-13.8	1.2	204.8	-57.2	62214.0
287.	-585.5	-176.7	-1.8	-380.2	142.6	58321.0
	-585.4	-176.8	1.2	204.8	-104.4	58311.5
328.	-585.5	-339.7	-1.8	-380.2	216.8	47749.6
	-585.4	-339.8	1.2	204.8	-151.7	47736.9
Asta	190	nodì	102	101		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-726.2	571.5	-2.7	-481.2	-374.2	21798.1
	-726.0	571.4	1.3	249.1	171.8	21797.3
34.	-726.2	437.6	-2.7	-481.2	-283.5	38763.0
	-726.0	437.5	1.3	249.1	127.1	38760.5
67.	-726.2	303.7	-2.7	-481.2	-192.8	51226.5
	-726.0	303.7	1.3	249.1	82.4	51222.3
101.	-726.2	169.9	-2.7	-481.2	-102.0	59188.6
	-726.0	169.8	1.3	249.1	37.6	59182.7
135.	-726.2	36.0	-2.7	-481.2	-11.3	62649.4
	-726.0	35.9	1.3	249.1	-7.1	62641.8
168.	-726.2	-97.9	-2.7	-481.2	79.4	61608.8
	-726.0	-97.9	1.3	249.1	-51.8	61599.5
202.	-726.2	-231.8	-2.7	-481.2	170.1	56066.9
	-726.0	-231.8	1.3	249.1	-96.5	56055.9
235.	-726.2	-365.6	-2.7	-481.2	260.8	46023.5
	-726.0	-365.7	1.3	249.1	-141.3	46010.9
269.	-726.2	-499.5	-2.7	-481.2	351.6	31478.9
	-726.0	-499.5	1.3	249.1	-186.0	31464.5
Asta	191	nodì	101	100		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-424.9	15.4	-2.5	-348.3	-254.3	76761.1
	-424.7	15.6	1.2	173.5	116.5	76741.9
34.	-424.9	-120.9	-2.5	-348.3	-167.9	74954.6
	-424.7	-120.8	1.2	173.5	75.0	74939.5
69.	-424.9	-257.3	-2.5	-348.3	-81.6	68477.7
	-424.7	-257.2	1.2	173.5	33.5	68466.8
103.	-424.9	-393.6	-2.5	-348.3	4.7	57330.7
	-424.7	-393.5	1.2	173.5	-7.9	57323.8
137.	-424.9	-530.0	-2.5	-348.3	91.1	41513.4
	-424.7	-529.9	1.2	173.5	-49.4	41510.6
171.	-424.9	-666.4	-2.5	-348.3	177.4	21025.8
	-424.7	-666.2	1.2	173.5	-90.8	21027.1
206.	-424.9	-802.7	-2.5	-348.3	263.7	-4132.0
	-424.7	-802.6	1.2	173.5	-132.3	-4126.6
240.	-424.9	-939.1	-2.5	-348.3	350.1	-33960.1

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274.	-424.7	-939.0	1.2	173.5	-173.8	-33950.6
	-424.9	-1075.4	-2.5	-348.3	436.4	-68458.4
	-424.7	-1075.3	1.2	173.5	-215.2	-68444.8
Asta	192	nodì	114	1		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-47309.9	-3475.1	2531.8	-120.6	49393.7	70190.2
	-48627.6	-3498.0	2522.7	-1879.3	35108.3	76378.1
10.	-47270.1	-3475.1	2531.8	-120.6	24075.4	35439.0
	-48587.8	-3498.0	2522.7	-1879.3	9880.8	41398.4
20.	-47230.3	-3475.1	2531.8	-120.6	-1242.9	687.8
	-48548.0	-3498.0	2522.7	-1879.3	-15346.7	6418.6
30.	-47190.5	-3475.1	2531.8	-120.6	-26561.2	-34063.4
	-48508.2	-3498.0	2522.7	-1879.3	-40574.2	-28561.1
40.	-47150.6	-3475.1	2531.8	-120.6	-51879.5	-68814.6
	-48468.3	-3498.0	2522.7	-1879.3	-65801.6	-63540.9
50.	-47110.8	-3475.1	2531.8	-120.6	-77197.8	-103565.8
	-48428.5	-3498.0	2522.7	-1879.3	-91029.1	-98520.6
60.	-47071.0	-3475.1	2531.8	-120.6	-102516.1	-138317.0
	-48388.7	-3498.0	2522.7	-1879.3	-116256.6	-133500.4
70.	-47031.2	-3475.1	2531.8	-120.6	-127834.4	-173068.2
	-48348.9	-3498.0	2522.7	-1879.3	-141484.1	-168480.1
80.	-46991.4	-3475.1	2531.8	-120.6	-153152.7	-207819.4
	-48309.1	-3498.0	2522.7	-1879.3	-166711.6	-203459.9
Asta	193	nodì	115	3		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-57544.4	-56.5	475.6	880.2	22394.6	11631.0
	-57510.8	-420.9	451.9	-937.4	16507.9	30357.2
10.	-57504.6	-56.5	475.6	880.2	17638.1	11065.6
	-57471.0	-420.9	451.9	-937.4	11989.1	26148.4
20.	-57464.8	-56.5	475.6	880.2	12881.6	10500.1
	-57431.2	-420.9	451.9	-937.4	7470.2	21939.6
30.	-57425.0	-56.5	475.6	880.2	8125.2	9934.7
	-57391.4	-420.9	451.9	-937.4	2951.3	17730.8
40.	-57385.2	-56.5	475.6	880.2	3368.7	9369.2
	-57351.6	-420.9	451.9	-937.4	-1567.6	13522.0
50.	-57345.4	-56.5	475.6	880.2	-1387.7	8803.8
	-57311.8	-420.9	451.9	-937.4	-6086.5	9313.2
60.	-57305.5	-56.5	475.6	880.2	-6144.2	8238.3
	-57272.0	-420.9	451.9	-937.4	-10605.4	5104.4
70.	-57265.7	-56.5	475.6	880.2	-10900.6	7672.8
	-57232.2	-420.9	451.9	-937.4	-15124.2	895.6
80.	-57225.9	-56.5	475.6	880.2	-15657.1	7107.4
	-57192.3	-420.9	451.9	-937.4	-19643.1	-3313.2
Asta	194	nodì	116	5		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-30643.4	2.3	1035.6	1021.6	27200.2	-6061.0
	-31752.0	-107.3	1100.5	-704.5	29288.0	-130.1
10.	-30603.6	2.3	1035.6	1021.6	16844.1	-6037.6
	-31712.2	-107.3	1100.5	-704.5	18283.2	-1202.7
20.	-30563.8	2.3	1035.6	1021.6	6488.0	-6014.2
	-31672.4	-107.3	1100.5	-704.5	7278.5	-2275.2
30.	-30524.0	2.3	1035.6	1021.6	-3868.1	-5990.8
	-31632.6	-107.3	1100.5	-704.5	-3726.2	-3347.8
40.	-30484.2	2.3	1035.6	1021.6	-14224.2	-5967.4
	-31592.8	-107.3	1100.5	-704.5	-14731.0	-4420.3
50.	-30444.4	2.3	1035.6	1021.6	-24580.3	-5943.9
	-31552.9	-107.3	1100.5	-704.5	-25735.7	-5492.9
60.	-30404.6	2.3	1035.6	1021.6	-34936.4	-5920.5
	-31513.1	-107.3	1100.5	-704.5	-36740.4	-6565.4
70.	-30364.8	2.3	1035.6	1021.6	-45292.5	-5897.1
	-31473.3	-107.3	1100.5	-704.5	-47745.2	-7638.0
80.	-30324.9	2.3	1035.6	1021.6	-55648.6	-5873.7
	-31433.5	-107.3	1100.5	-704.5	-58749.9	-8710.5
Asta	195	nodì	117	7		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-52393.2	2164.9	388.9	508.1	21363.4	-29102.0
	-52453.5	1992.2	416.7	-1343.0	21812.0	-20178.0
10.	-52353.4	2164.9	388.9	508.1	17474.9	-7452.6
	-52413.7	1992.2	416.7	-1343.0	17644.9	-256.4
20.	-52313.6	2164.9	388.9	508.1	13586.3	14196.9
	-52373.9	1992.2	416.7	-1343.0	13477.8	19665.3
30.	-52273.7	2164.9	388.9	508.1	9697.8	35846.3
	-52334.1	1992.2	416.7	-1343.0	9310.7	39586.9
40.	-52233.9	2164.9	388.9	508.1	5809.2	57495.7
	-52294.2	1992.2	416.7	-1343.0	5143.6	59508.6
50.	-52194.1	2164.9	388.9	508.1	1920.7	79145.1
	-52254.4	1992.2	416.7	-1343.0	976.5	79430.2
60.	-52154.3	2164.9	388.9	508.1	-1967.8	100794.5
	-52214.6	1992.2	416.7	-1343.0	-3190.6	99351.9
70.	-52114.5	2164.9	388.9	508.1	-5856.4	122444.0
	-52174.8	1992.2	416.7	-1343.0	-7357.6	119273.6
80.	-52074.7	2164.9	388.9	508.1	-9744.9	144093.4
	-52135.0	1992.2	416.7	-1343.0	-11524.7	139195.2
Asta	196	nodì	118	9		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-35565.8	3304.7	3000.3	1900.9	55755.8	-109165.7
	-35868.7	3287.8	2921.9	193.3	52184.0	-108500.8
10.	-35526.0	3304.7	3000.3	1900.9	25753.0	-76118.8
	-35828.9	3287.8	2921.9	193.3	22965.2	-75623.1

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20.	-35486.2	3304.7	3000.3	1900.9	-4249.8	-43071.8
	-35789.1	3287.8	2921.9	193.3	-6253.5	-42745.4
30.	-35446.4	3304.7	3000.3	1900.9	-34252.6	-10024.9
	-35749.2	3287.8	2921.9	193.3	-35472.3	-9867.7
40.	-35406.6	3304.7	3000.3	1900.9	-64255.4	23022.1
	-35709.4	3287.8	2921.9	193.3	-64691.1	23010.0
50.	-35366.8	3304.7	3000.3	1900.9	-94258.2	56069.0
	-35669.6	3287.8	2921.9	193.3	-93909.8	55887.7
60.	-35327.0	3304.7	3000.3	1900.9	-124261.0	89115.9
	-35629.8	3287.8	2921.9	193.3	-123128.6	88765.4
70.	-35287.2	3304.7	3000.3	1900.9	-154263.8	122162.9
	-35590.0	3287.8	2921.9	193.3	-152347.4	121643.1
80.	-35247.3	3304.7	3000.3	1900.9	-184266.6	155209.8
	-35550.2	3287.8	2921.9	193.3	-181566.2	154520.8
Asta	197	nodì	119	11		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-47386.0	3796.5	-65.5	12827.0	56733.3	-56260.9
	-47360.7	3799.8	-182.7	10473.4	50488.0	-56370.8
10.	-47346.2	3796.5	-65.5	12827.0	57388.0	-18296.4
	-47320.9	3799.8	-182.7	10473.4	52315.3	-18373.0
20.	-47306.4	3796.5	-65.5	12827.0	58042.8	19668.2
	-47281.1	3799.8	-182.7	10473.4	54142.7	19624.8
30.	-47266.6	3796.5	-65.5	12827.0	58697.5	57632.7
	-47241.2	3799.8	-182.7	10473.4	55970.0	57622.6
40.	-47226.7	3796.5	-65.5	12827.0	59352.3	95597.2
	-47201.4	3799.8	-182.7	10473.4	57797.3	95620.4
50.	-47186.9	3796.5	-65.5	12827.0	60007.1	133561.7
	-47161.6	3799.8	-182.7	10473.4	59624.6	133618.2
60.	-47147.1	3796.5	-65.5	12827.0	60661.8	171526.2
	-47121.8	3799.8	-182.7	10473.4	61451.9	171616.0
70.	-47107.3	3796.5	-65.5	12827.0	61316.6	209490.8
	-47082.0	3799.8	-182.7	10473.4	63279.2	209613.7
80.	-47067.5	3796.5	-65.5	12827.0	61971.3	247455.3
	-47042.2	3799.8	-182.7	10473.4	65106.6	247611.5
Asta	198	nodì	120	13		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-44346.8	4541.1	20.0	1155.0	12102.1	-6401.3
	-44348.0	4550.7	-33.0	-609.3	8454.6	-6611.2
10.	-44307.0	4541.1	20.0	1155.0	11902.0	39009.2
	-44308.2	4550.7	-33.0	-609.3	8784.6	38895.6
20.	-44267.2	4541.1	20.0	1155.0	11701.9	84419.8
	-44268.4	4550.7	-33.0	-609.3	9114.7	84402.4
30.	-44227.4	4541.1	20.0	1155.0	11501.8	129830.4
	-44228.6	4550.7	-33.0	-609.3	9444.8	129909.2
40.	-44187.6	4541.1	20.0	1155.0	11301.7	175241.0
	-44188.7	4550.7	-33.0	-609.3	9774.9	175416.0
50.	-44147.8	4541.1	20.0	1155.0	11101.6	220651.6
	-44148.9	4550.7	-33.0	-609.3	10105.0	220922.8
60.	-44107.9	4541.1	20.0	1155.0	10901.5	266062.1
	-44109.1	4550.7	-33.0	-609.3	10435.0	266429.6
70.	-44068.1	4541.1	20.0	1155.0	10701.3	311472.7
	-44069.3	4550.7	-33.0	-609.3	10765.1	311936.4
80.	-44028.3	4541.1	20.0	1155.0	10501.2	356883.3
	-44029.5	4550.7	-33.0	-609.3	11095.2	357443.1
Asta	199	nodì	121	15		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-57699.7	1869.8	141.8	844.4	12806.3	-2671.7
	-57699.1	1880.2	86.6	-923.1	8107.6	-2885.4
10.	-57659.9	1869.8	141.8	844.4	11388.7	16026.7
	-57659.3	1880.2	86.6	-923.1	7241.1	15916.4
20.	-57620.1	1869.8	141.8	844.4	9971.2	34725.2
	-57619.4	1880.2	86.6	-923.1	6374.7	34718.2
30.	-57580.2	1869.8	141.8	844.4	8553.6	53423.7
	-57579.6	1880.2	86.6	-923.1	5508.3	53519.9
40.	-57540.4	1869.8	141.8	844.4	7136.1	72122.1
	-57539.8	1880.2	86.6	-923.1	4641.9	72321.7
50.	-57500.6	1869.8	141.8	844.4	5718.5	90820.6
	-57500.0	1880.2	86.6	-923.1	3775.5	91123.5
60.	-57460.8	1869.8	141.8	844.4	4301.0	109519.1
	-57460.2	1880.2	86.6	-923.1	2909.0	109925.2
70.	-57421.0	1869.8	141.8	844.4	2883.4	128217.5
	-57420.4	1880.2	86.6	-923.1	2042.6	128727.0
80.	-57381.2	1869.8	141.8	844.4	1465.9	146916.0
	-57380.6	1880.2	86.6	-923.1	1176.2	147528.8
Asta	200	nodì	122	17		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-58628.2	-688.8	170.4	878.1	13496.1	902.4
	-58628.1	-678.3	105.4	-891.5	7506.2	685.7
10.	-58588.4	-688.8	170.4	878.1	11791.9	-5985.7
	-58588.3	-678.3	105.4	-891.5	6452.3	-6097.2
20.	-58548.6	-688.8	170.4	878.1	10087.7	-12873.8
	-58548.5	-678.3	105.4	-891.5	5398.4	-12880.1
30.	-58508.8	-688.8	170.4	878.1	8383.6	-19761.9
	-58508.7	-678.3	105.4	-891.5	4344.4	-19663.0
40.	-58469.0	-688.8	170.4	878.1	6679.4	-26650.1
	-58468.9	-678.3	105.4	-891.5	3290.5	-26446.0
50.	-58429.2	-688.8	170.4	878.1	4975.2	-33538.2
	-58429.1	-678.3	105.4	-891.5	2236.5	-33228.9
60.	-58389.4	-688.8	170.4	878.1	3271.0	-40426.3
	-58389.3	-678.3	105.4	-891.5	1182.6	-40011.8

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70.	-58349.5	-688.8	170.4	878.1	1566.8	-47314.4
	-58349.5	-678.3	105.4	-891.5	128.7	-46794.7
80.	-58309.7	-688.8	170.4	878.1	-137.3	-54202.5
	-58309.6	-678.3	105.4	-891.5	-925.3	-53577.7
Asta	201	nodì	123	19		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-52741.3	-564.1	173.3	816.4	14095.1	741.4
	-52743.2	-553.3	96.8	-938.9	6820.9	525.1
10.	-52701.5	-564.1	173.3	816.4	12362.6	-4899.9
	-52703.4	-553.3	96.8	-938.9	5853.0	-5007.5
20.	-52661.7	-564.1	173.3	816.4	10630.1	-10541.1
	-52663.6	-553.3	96.8	-938.9	4885.0	-10540.2
30.	-52621.8	-564.1	173.3	816.4	8897.5	-16182.4
	-52623.7	-553.3	96.8	-938.9	3917.0	-16072.9
40.	-52582.0	-564.1	173.3	816.4	7165.0	-21823.6
	-52583.9	-553.3	96.8	-938.9	2949.1	-21605.6
50.	-52542.2	-564.1	173.3	816.4	5432.4	-27464.8
	-52544.1	-553.3	96.8	-938.9	1981.1	-27138.2
60.	-52502.4	-564.1	173.3	816.4	3699.9	-33106.1
	-52504.3	-553.3	96.8	-938.9	1013.1	-32670.9
70.	-52462.6	-564.1	173.3	816.4	1967.3	-38747.3
	-52464.5	-553.3	96.8	-938.9	45.1	-38203.6
80.	-52422.8	-564.1	173.3	816.4	234.8	-44388.6
	-52424.7	-553.3	96.8	-938.9	-922.8	-43736.3
Asta	202	nodì	124	21		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-52603.2	556.3	147.0	788.8	14640.1	-810.3
	-52604.4	563.8	55.6	-959.0	6083.5	-1022.6
10.	-52563.4	556.3	147.0	788.8	13169.7	4752.6
	-52564.6	563.8	55.6	-959.0	5527.3	4615.2
20.	-52523.6	556.3	147.0	788.8	11699.4	10315.4
	-52524.8	563.8	55.6	-959.0	4971.2	10253.1
30.	-52483.8	556.3	147.0	788.8	10229.1	15878.3
	-52485.0	563.8	55.6	-959.0	4415.0	15890.9
40.	-52444.0	556.3	147.0	788.8	8758.8	21441.2
	-52445.2	563.8	55.6	-959.0	3858.8	21528.8
50.	-52404.2	556.3	147.0	788.8	7288.5	27004.0
	-52405.4	563.8	55.6	-959.0	3302.6	27166.6
60.	-52364.4	556.3	147.0	788.8	5818.1	32566.9
	-52365.6	563.8	55.6	-959.0	2746.4	32804.5
70.	-52324.6	556.3	147.0	788.8	4347.8	38129.8
	-52325.7	563.8	55.6	-959.0	2190.2	38442.4
80.	-52284.7	556.3	147.0	788.8	2877.5	43692.6
	-52285.9	563.8	55.6	-959.0	1634.1	44080.2
Asta	203	nodì	125	23		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-59495.6	1227.2	-34.1	588.0	14887.9	-1736.4
	-59433.0	1213.2	-163.0	-1150.3	5026.9	-1921.7
10.	-59455.7	1227.2	-34.1	588.0	15229.3	10535.5
	-59393.2	1213.2	-163.0	-1150.3	6656.7	10210.8
20.	-59415.9	1227.2	-34.1	588.0	15570.6	22807.4
	-59353.4	1213.2	-163.0	-1150.3	8286.4	22343.3
30.	-59376.1	1227.2	-34.1	588.0	15911.9	35079.2
	-59313.6	1213.2	-163.0	-1150.3	9916.1	34475.8
40.	-59336.3	1227.2	-34.1	588.0	16253.3	47351.1
	-59273.8	1213.2	-163.0	-1150.3	11545.8	46608.3
50.	-59296.5	1227.2	-34.1	588.0	16594.6	59623.0
	-59234.0	1213.2	-163.0	-1150.3	13175.6	58740.7
60.	-59256.7	1227.2	-34.1	588.0	16935.9	71894.9
	-59194.2	1213.2	-163.0	-1150.3	14805.3	70873.2
70.	-59216.9	1227.2	-34.1	588.0	17277.3	84166.8
	-59154.3	1213.2	-163.0	-1150.3	16435.0	83005.7
80.	-59177.1	1227.2	-34.1	588.0	17618.6	96438.7
	-59114.5	1213.2	-163.0	-1150.3	18064.7	95138.2
Asta	204	nodì	126	25		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-65229.8	-200.3	-1103.9	1121.9	13871.0	248.1
	-64972.4	-193.8	-1405.9	-605.9	2519.0	35.1
10.	-65190.0	-200.3	-1103.9	1121.9	24909.8	-1754.9
	-64932.6	-193.8	-1405.9	-605.9	16578.3	-1903.2
20.	-65150.1	-200.3	-1103.9	1121.9	35948.6	-3758.0
	-64892.7	-193.8	-1405.9	-605.9	30637.5	-3841.4
30.	-65110.3	-200.3	-1103.9	1121.9	46987.4	-5761.0
	-64852.9	-193.8	-1405.9	-605.9	44696.8	-5779.7
40.	-65070.5	-200.3	-1103.9	1121.9	58026.2	-7764.1
	-64813.1	-193.8	-1405.9	-605.9	58756.0	-7717.9
50.	-65030.7	-200.3	-1103.9	1121.9	69065.0	-9767.1
	-64773.3	-193.8	-1405.9	-605.9	72815.3	-9656.2
60.	-64990.9	-200.3	-1103.9	1121.9	80103.8	-11770.2
	-64733.5	-193.8	-1405.9	-605.9	86874.5	-11594.4
70.	-64951.1	-200.3	-1103.9	1121.9	91142.6	-13773.2
	-64693.7	-193.8	-1405.9	-605.9	100933.8	-13532.7
80.	-64911.3	-200.3	-1103.9	1121.9	102181.4	-15776.3
	-64653.9	-193.8	-1405.9	-605.9	114993.0	-15470.9
Asta	205	nodì	127	27		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-45170.4	1636.9	-1239.3	973.4	13694.3	-1807.3
	-45221.7	1818.6	-1557.7	-738.0	2321.8	-3454.1
10.	-45130.6	1636.9	-1239.3	973.4	26087.3	14562.1

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20.	-45181.9	1818.6	-1557.7	-738.0	17898.7	14731.6
	-45090.8	1636.9	-1239.3	973.4	38480.4	30931.5
	-45142.1	1818.6	-1557.7	-738.0	33475.6	32917.3
30.	-45051.0	1636.9	-1239.3	973.4	50873.4	47300.9
	-45102.3	1818.6	-1557.7	-738.0	49052.6	51103.0
40.	-45011.1	1636.9	-1239.3	973.4	63266.5	63670.3
	-45062.4	1818.6	-1557.7	-738.0	64629.5	69288.8
50.	-44971.3	1636.9	-1239.3	973.4	75659.5	80039.7
	-45022.6	1818.6	-1557.7	-738.0	80206.4	87474.5
60.	-44931.5	1636.9	-1239.3	973.4	88052.6	96409.1
	-44982.8	1818.6	-1557.7	-738.0	95783.3	105660.2
70.	-44891.7	1636.9	-1239.3	973.4	100445.6	112778.5
	-44943.0	1818.6	-1557.7	-738.0	111360.2	123845.9
80.	-44851.9	1636.9	-1239.3	973.4	112838.7	129147.9
	-44903.2	1818.6	-1557.7	-738.0	126937.1	142031.6
Asta	206	odi	128	29		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-50333.4	2129.6	-3464.2	-2863.3	-267361.9	12734.9
	-50530.0	2184.5	-3838.4	-4908.3	-289923.6	16155.7
10.	-50293.6	2129.6	-3464.2	-2863.3	-232720.4	34030.7
	-50490.1	2184.5	-3838.4	-4908.3	-251539.4	38000.7
20.	-50253.8	2129.6	-3464.2	-2863.3	-198078.9	55326.5
	-50450.3	2184.5	-3838.4	-4908.3	-213155.3	59845.8
30.	-50214.0	2129.6	-3464.2	-2863.3	-163437.4	76622.3
	-50410.5	2184.5	-3838.4	-4908.3	-174771.2	81690.8
40.	-50174.2	2129.6	-3464.2	-2863.3	-128795.9	97918.1
	-50370.7	2184.5	-3838.4	-4908.3	-136387.1	103535.9
50.	-50134.4	2129.6	-3464.2	-2863.3	-94154.4	119213.9
	-50330.9	2184.5	-3838.4	-4908.3	-98003.0	125380.9
60.	-50094.6	2129.6	-3464.2	-2863.3	-59512.8	140509.7
	-50291.1	2184.5	-3838.4	-4908.3	-59618.8	147226.0
70.	-50054.7	2129.6	-3464.2	-2863.3	-24871.3	161805.5
	-50251.3	2184.5	-3838.4	-4908.3	-21234.7	169071.0
80.	-50014.9	2129.6	-3464.2	-2863.3	9770.2	183101.3
	-50211.5	2184.5	-3838.4	-4908.3	17149.4	190916.1
Asta	207	odi	129	31		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-54649.1	-3609.1	-3611.9	4507.5	-288424.4	8103.5
	-54628.2	-3502.7	-3864.7	2946.5	-303685.8	1314.7
10.	-54609.3	-3609.1	-3611.9	4507.5	-252305.5	-27987.0
	-54588.4	-3502.7	-3864.7	2946.5	-265039.2	-33712.8
20.	-54569.5	-3609.1	-3611.9	4507.5	-216186.7	-64077.6
	-54548.6	-3502.7	-3864.7	2946.5	-226392.6	-68740.3
30.	-54529.6	-3609.1	-3611.9	4507.5	-180067.9	-100168.1
	-54508.8	-3502.7	-3864.7	2946.5	-187746.1	-103767.8
40.	-54489.8	-3609.1	-3611.9	4507.5	-143949.0	-136258.6
	-54469.0	-3502.7	-3864.7	2946.5	-149099.5	-138795.3
50.	-54450.0	-3609.1	-3611.9	4507.5	-107830.2	-172349.2
	-54429.2	-3502.7	-3864.7	2946.5	-110452.9	-173822.8
60.	-54410.2	-3609.1	-3611.9	4507.5	-71711.4	-208439.7
	-54389.4	-3502.7	-3864.7	2946.5	-71806.4	-208850.3
70.	-54370.4	-3609.1	-3611.9	4507.5	-35592.6	-244530.2
	-54349.5	-3502.7	-3864.7	2946.5	-33159.8	-243877.8
80.	-54330.6	-3609.1	-3611.9	4507.5	526.3	-280620.8
	-54309.7	-3502.7	-3864.7	2946.5	5486.8	-278905.3
Asta	208	odi	146	104		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-41190.0	6233.8	838.9	-16660.5	22918.0	-13559.9
	-41277.4	6269.8	669.7	-18378.3	13843.7	-14752.8
10.	-41150.2	6233.8	838.9	-16660.5	14529.4	48777.6
	-41237.5	6269.8	669.7	-18378.3	7146.9	47945.3
20.	-41110.4	6233.8	838.9	-16660.5	6140.9	111115.2
	-41197.7	6269.8	669.7	-18378.3	450.2	110643.3
30.	-41070.5	6233.8	838.9	-16660.5	-2247.7	173452.7
	-41157.9	6269.8	669.7	-18378.3	-6246.5	173341.4
40.	-41030.7	6233.8	838.9	-16660.5	-10636.3	235790.3
	-41118.1	6269.8	669.7	-18378.3	-12943.3	236039.5
50.	-40990.9	6233.8	838.9	-16660.5	-19024.8	298127.8
	-41078.3	6269.8	669.7	-18378.3	-19640.0	298737.5
60.	-40951.1	6233.8	838.9	-16660.5	-27413.4	360465.4
	-41038.5	6269.8	669.7	-18378.3	-26336.7	361435.6
70.	-40911.3	6233.8	838.9	-16660.5	-35802.0	422802.9
	-40998.7	6269.8	669.7	-18378.3	-33033.5	424133.6
80.	-40871.5	6233.8	838.9	-16660.5	-44190.5	485140.5
	-40958.9	6269.8	669.7	-18378.3	-39730.2	486831.7
Asta	209	odi	131	35		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-33562.2	3259.6	-1212.8	-2383.9	-35369.5	-64571.9
	-33259.4	3312.8	-1296.3	-4099.2	-38906.9	-66875.5
10.	-33522.4	3259.6	-1212.8	-2383.9	-23241.9	-31976.3
	-33219.6	3312.8	-1296.3	-4099.2	-25944.1	-33747.1
20.	-33482.6	3259.6	-1212.8	-2383.9	-11114.3	619.2
	-33179.8	3312.8	-1296.3	-4099.2	-12981.2	-618.7
30.	-33442.8	3259.6	-1212.8	-2383.9	1013.4	33214.7
	-33140.0	3312.8	-1296.3	-4099.2	-18.3	32509.7
40.	-33403.0	3259.6	-1212.8	-2383.9	13141.0	65810.2
	-33100.1	3312.8	-1296.3	-4099.2	12944.6	65638.1
50.	-33363.2	3259.6	-1212.8	-2383.9	25268.6	98405.7
	-33060.3	3312.8	-1296.3	-4099.2	25907.5	98766.5
60.	-33323.4	3259.6	-1212.8	-2383.9	37396.2	131001.3

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70.	-33020.5	3312.8	-1296.3	-4099.2	38870.3	131894.9
	-33283.5	3259.6	-1212.8	-2383.9	49523.8	163596.8
80.	-32980.7	3312.8	-1296.3	-4099.2	51833.2	165023.3
	-33243.7	3259.6	-1212.8	-2383.9	61651.4	196192.3
	-32940.9	3312.8	-1296.3	-4099.2	64796.1	198151.7
Asta	210	nodì	132	37		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-50827.9	654.9	-638.2	1721.1	-39543.3	-129.1
	-50843.5	899.3	-674.9	-147.9	-42533.1	-13508.8
10.	-50788.1	654.9	-638.2	1721.1	-33160.9	6420.0
	-50803.7	899.3	-674.9	-147.9	-35783.7	-4516.0
20.	-50748.3	654.9	-638.2	1721.1	-26778.5	12969.1
	-50763.9	899.3	-674.9	-147.9	-29034.2	4476.9
30.	-50708.5	654.9	-638.2	1721.1	-20396.0	19518.2
	-50724.0	899.3	-674.9	-147.9	-22284.8	13469.7
40.	-50668.7	654.9	-638.2	1721.1	-14013.6	26067.4
	-50684.2	899.3	-674.9	-147.9	-15535.3	22462.5
50.	-50628.9	654.9	-638.2	1721.1	-7631.1	32616.5
	-50644.4	899.3	-674.9	-147.9	-8785.9	31455.4
60.	-50589.0	654.9	-638.2	1721.1	-1248.7	39165.6
	-50604.6	899.3	-674.9	-147.9	-2036.5	40448.2
70.	-50549.2	654.9	-638.2	1721.1	5133.7	45714.7
	-50564.8	899.3	-674.9	-147.9	4713.0	49441.0
80.	-50509.4	654.9	-638.2	1721.1	11516.2	52263.8
	-50525.0	899.3	-674.9	-147.9	11462.4	58433.8
Asta	211	nodì	133	39		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-36382.5	-3797.2	-2786.8	249.4	-101744.2	71788.8
	-36485.2	-3709.2	-2872.4	-1489.7	-106430.5	66809.9
10.	-36342.7	-3797.2	-2786.8	249.4	-73876.0	33816.6
	-36445.3	-3709.2	-2872.4	-1489.7	-77706.9	29718.0
20.	-36302.9	-3797.2	-2786.8	249.4	-46007.7	-4155.7
	-36405.5	-3709.2	-2872.4	-1489.7	-48983.3	-7374.0
30.	-36263.1	-3797.2	-2786.8	249.4	-18139.5	-42128.0
	-36365.7	-3709.2	-2872.4	-1489.7	-20259.7	-44465.9
40.	-36223.3	-3797.2	-2786.8	249.4	9728.8	-80100.3
	-36325.9	-3709.2	-2872.4	-1489.7	8463.9	-81557.8
50.	-36183.5	-3797.2	-2786.8	249.4	37597.0	-118072.5
	-36286.1	-3709.2	-2872.4	-1489.7	37187.5	-118649.7
60.	-36143.7	-3797.2	-2786.8	249.4	65465.3	-156044.8
	-36246.3	-3709.2	-2872.4	-1489.7	65911.1	-155741.7
70.	-36103.9	-3797.2	-2786.8	249.4	93333.5	-194017.1
	-36206.5	-3709.2	-2872.4	-1489.7	94634.7	-192833.6
80.	-36064.0	-3797.2	-2786.8	249.4	121201.8	-231989.4
	-36166.7	-3709.2	-2872.4	-1489.7	123358.2	-229925.5
Asta	212	nodì	134	41		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-37008.2	3584.2	-2587.3	1231.1	-93802.6	-63419.4
	-35755.8	3708.1	-2747.8	-322.0	-101260.5	-68225.5
10.	-36968.4	3584.2	-2587.3	1231.1	-67930.0	-27577.7
	-35716.0	3708.1	-2747.8	-322.0	-73782.4	-31144.4
20.	-36928.6	3584.2	-2587.3	1231.1	-42057.5	8264.0
	-35676.2	3708.1	-2747.8	-322.0	-46304.2	5936.6
30.	-36888.7	3584.2	-2587.3	1231.1	-16184.9	44105.8
	-35636.4	3708.1	-2747.8	-322.0	-18826.1	43017.7
40.	-36848.9	3584.2	-2587.3	1231.1	9687.7	79947.5
	-35596.6	3708.1	-2747.8	-322.0	8652.1	80098.7
50.	-36809.1	3584.2	-2587.3	1231.1	35560.3	115789.3
	-35556.8	3708.1	-2747.8	-322.0	36130.2	117179.8
60.	-36769.3	3584.2	-2587.3	1231.1	61432.9	151631.0
	-35516.9	3708.1	-2747.8	-322.0	63608.4	154260.8
70.	-36729.5	3584.2	-2587.3	1231.1	87305.5	187472.8
	-35477.1	3708.1	-2747.8	-322.0	91086.5	191341.9
80.	-36689.7	3584.2	-2587.3	1231.1	113178.1	223314.5
	-35437.3	3708.1	-2747.8	-322.0	118564.7	228422.9
Asta	213	nodì	135	43		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-49163.8	-1531.0	-488.2	-7.3	-27480.8	26736.5
	-49257.7	-1197.8	-583.9	-1909.3	-36736.8	8858.4
10.	-49123.9	-1531.0	-488.2	-7.3	-22598.4	11426.4
	-49217.9	-1197.8	-583.9	-1909.3	-30898.3	-3119.7
20.	-49084.1	-1531.0	-488.2	-7.3	-17716.1	-3883.8
	-49178.1	-1197.8	-583.9	-1909.3	-25059.8	-15097.8
30.	-49044.3	-1531.0	-488.2	-7.3	-12833.7	-19193.9
	-49138.3	-1197.8	-583.9	-1909.3	-19221.2	-27075.8
40.	-49004.5	-1531.0	-488.2	-7.3	-7951.3	-34504.1
	-49098.4	-1197.8	-583.9	-1909.3	-13382.7	-39053.9
50.	-48964.7	-1531.0	-488.2	-7.3	-3069.0	-49814.2
	-49058.6	-1197.8	-583.9	-1909.3	-7544.2	-51032.0
60.	-48924.9	-1531.0	-488.2	-7.3	1813.4	-65124.4
	-49018.8	-1197.8	-583.9	-1909.3	-1705.6	-63010.1
70.	-48885.1	-1531.0	-488.2	-7.3	6695.7	-80434.5
	-48979.0	-1197.8	-583.9	-1909.3	4132.9	-74988.1
80.	-48845.3	-1531.0	-488.2	-7.3	11578.1	-95744.7
	-48939.2	-1197.8	-583.9	-1909.3	9971.4	-86966.2
Asta	214	nodì	136	45		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-35506.0	-3125.2	-682.8	3833.0	-7921.0	69388.4
	-34453.9	-3037.3	-1005.4	2032.2	-24637.7	62996.5

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10.	-35466.2	-3125.2	-682.8	3833.0	-1093.0	38136.7
	-34414.1	-3037.3	-1005.4	2032.2	-14583.4	32623.3
20.	-35426.4	-3125.2	-682.8	3833.0	5735.1	6884.9
	-34374.3	-3037.3	-1005.4	2032.2	-4529.1	2250.1
30.	-35386.5	-3125.2	-682.8	3833.0	12563.2	-24366.9
	-34334.5	-3037.3	-1005.4	2032.2	5525.2	-28123.0
40.	-35346.7	-3125.2	-682.8	3833.0	19391.3	-55618.6
	-34294.7	-3037.3	-1005.4	2032.2	15579.5	-58496.2
50.	-35306.9	-3125.2	-682.8	3833.0	26219.4	-86870.4
	-34254.8	-3037.3	-1005.4	2032.2	25633.9	-88869.4
60.	-35267.1	-3125.2	-682.8	3833.0	33047.5	-118122.2
	-34215.0	-3037.3	-1005.4	2032.2	35688.2	-119242.6
70.	-35227.3	-3125.2	-682.8	3833.0	39875.5	-149374.0
	-34175.2	-3037.3	-1005.4	2032.2	45742.5	-149615.8
80.	-35187.5	-3125.2	-682.8	3833.0	46703.6	-180625.7
	-34135.4	-3037.3	-1005.4	2032.2	55796.8	-179989.0
Asta	215	nodì	137	47		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-34842.2	-7672.3	251.5	-1294.8	16272.4	11151.7
	-35097.2	-7652.7	13.0	-3069.8	3658.6	9729.0
10.	-34802.4	-7672.3	251.5	-1294.8	13757.8	-65571.3
	-35057.4	-7652.7	13.0	-3069.8	3528.6	-66798.4
20.	-34762.6	-7672.3	251.5	-1294.8	11243.3	-142294.2
	-35017.6	-7652.7	13.0	-3069.8	3398.5	-143325.8
30.	-34722.8	-7672.3	251.5	-1294.8	8728.7	-219017.2
	-34977.8	-7652.7	13.0	-3069.8	3268.5	-219853.3
40.	-34683.0	-7672.3	251.5	-1294.8	6214.1	-295740.1
	-34938.0	-7652.7	13.0	-3069.8	3138.4	-296380.7
50.	-34643.2	-7672.3	251.5	-1294.8	3699.6	-372463.1
	-34898.2	-7652.7	13.0	-3069.8	3008.4	-372908.1
60.	-34603.3	-7672.3	251.5	-1294.8	1185.0	-449186.1
	-34858.4	-7652.7	13.0	-3069.8	2878.3	-449435.6
70.	-34563.5	-7672.3	251.5	-1294.8	-1329.5	-525909.0
	-34818.6	-7652.7	13.0	-3069.8	2748.3	-525963.0
80.	-34523.7	-7672.3	251.5	-1294.8	-3844.1	-602632.0
	-34778.7	-7652.7	13.0	-3069.8	2618.3	-602490.4
Asta	216	nodì	138	49		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-34414.3	1157.6	-1946.0	9103.5	-167912.0	-27323.9
	-34356.8	1305.3	-2064.8	7876.7	-178799.1	-34509.6
10.	-34374.5	1157.6	-1946.0	9103.5	-148452.4	-15748.0
	-34317.0	1305.3	-2064.8	7876.7	-158150.7	-21456.2
20.	-34334.7	1157.6	-1946.0	9103.5	-128992.7	-4172.1
	-34277.2	1305.3	-2064.8	7876.7	-137502.3	-8402.8
30.	-34294.9	1157.6	-1946.0	9103.5	-109533.0	7403.8
	-34237.4	1305.3	-2064.8	7876.7	-116853.9	4650.5
40.	-34255.1	1157.6	-1946.0	9103.5	-90073.3	18979.6
	-34197.6	1305.3	-2064.8	7876.7	-96205.5	17703.9
50.	-34215.3	1157.6	-1946.0	9103.5	-70613.6	30555.5
	-34157.8	1305.3	-2064.8	7876.7	-75557.2	30757.3
60.	-34175.5	1157.6	-1946.0	9103.5	-51153.9	42131.4
	-34117.9	1305.3	-2064.8	7876.7	-54908.8	43810.7
70.	-34135.7	1157.6	-1946.0	9103.5	-31694.3	53707.3
	-34078.1	1305.3	-2064.8	7876.7	-34260.4	56864.0
80.	-34095.8	1157.6	-1946.0	9103.5	-12234.6	65283.2
	-34038.3	1305.3	-2064.8	7876.7	-13612.0	69917.4
Asta	217	nodì	139	51		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-35007.8	-1376.9	-1892.5	-7661.0	-162334.9	42242.8
	-34841.2	-1401.1	-2034.8	-10027.0	-175261.0	42580.0
10.	-34967.9	-1376.9	-1892.5	-7661.0	-143410.1	28474.2
	-34801.4	-1401.1	-2034.8	-10027.0	-154912.7	28569.4
20.	-34928.1	-1376.9	-1892.5	-7661.0	-124485.2	14705.6
	-34761.6	-1401.1	-2034.8	-10027.0	-134564.4	14558.8
30.	-34888.3	-1376.9	-1892.5	-7661.0	-105560.3	937.0
	-34721.8	-1401.1	-2034.8	-10027.0	-114216.1	548.2
40.	-34848.5	-1376.9	-1892.5	-7661.0	-86635.4	-12831.6
	-34682.0	-1401.1	-2034.8	-10027.0	-93867.8	-13462.4
50.	-34808.7	-1376.9	-1892.5	-7661.0	-67710.6	-26600.2
	-34642.1	-1401.1	-2034.8	-10027.0	-73519.6	-27473.0
60.	-34768.9	-1376.9	-1892.5	-7661.0	-48785.7	-40368.8
	-34602.3	-1401.1	-2034.8	-10027.0	-53171.3	-41483.6
70.	-34729.1	-1376.9	-1892.5	-7661.0	-29860.8	-54137.3
	-34562.5	-1401.1	-2034.8	-10027.0	-32823.0	-55494.2
80.	-34689.3	-1376.9	-1892.5	-7661.0	-10935.9	-67905.9
	-34522.7	-1401.1	-2034.8	-10027.0	-12474.7	-69504.8
Asta	218	nodì	140	53		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-50420.1	22.4	276.3	312.4	12806.2	461.1
	-50346.0	45.1	210.6	-1465.2	8470.4	-973.3
10.	-50380.3	22.4	276.3	312.4	10042.9	684.8
	-50306.1	45.1	210.6	-1465.2	6364.8	-522.6
20.	-50340.5	22.4	276.3	312.4	7279.7	908.4
	-50266.3	45.1	210.6	-1465.2	4259.1	-71.8
30.	-50300.7	22.4	276.3	312.4	4516.4	1132.1
	-50226.5	45.1	210.6	-1465.2	2153.5	379.0
40.	-50260.9	22.4	276.3	312.4	1753.2	1355.7
	-50186.7	45.1	210.6	-1465.2	47.8	829.8
50.	-50221.1	22.4	276.3	312.4	-1010.1	1579.4
	-50146.9	45.1	210.6	-1465.2	-2057.9	1280.5

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60.	-50181.2	22.4	276.3	312.4	-3773.3	1803.0
	-50107.1	45.1	210.6	-1465.2	-4163.5	1731.3
70.	-50141.4	22.4	276.3	312.4	-6536.6	2026.7
	-50067.3	45.1	210.6	-1465.2	-6269.2	2182.1
80.	-50101.6	22.4	276.3	312.4	-9299.8	2250.3
	-50027.5	45.1	210.6	-1465.2	-8374.9	2632.8
Asta	219	nodì	141	55		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-35919.5	-9923.4	-284.2	-1788.2	15535.3	13796.8
	-35823.3	-9860.2	-478.7	-3460.0	2979.1	13501.7
10.	-35879.7	-9923.4	-284.2	-1788.2	18377.4	-85437.5
	-35783.5	-9860.2	-478.7	-3460.0	7766.5	-85100.3
20.	-35839.9	-9923.4	-284.2	-1788.2	21219.5	-184671.8
	-35743.7	-9860.2	-478.7	-3460.0	12553.8	-183702.3
30.	-35800.0	-9923.4	-284.2	-1788.2	24061.5	-283906.1
	-35703.9	-9860.2	-478.7	-3460.0	17341.2	-282304.3
40.	-35760.2	-9923.4	-284.2	-1788.2	26903.6	-383140.4
	-35664.1	-9860.2	-478.7	-3460.0	22128.5	-380906.2
50.	-35720.4	-9923.4	-284.2	-1788.2	29745.7	-482374.7
	-35624.2	-9860.2	-478.7	-3460.0	26915.9	-479508.2
60.	-35680.6	-9923.4	-284.2	-1788.2	32587.7	-581609.0
	-35584.4	-9860.2	-478.7	-3460.0	31703.2	-578110.2
70.	-35640.8	-9923.4	-284.2	-1788.2	35429.8	-680843.3
	-35544.6	-9860.2	-478.7	-3460.0	36490.6	-676712.2
80.	-35601.0	-9923.4	-284.2	-1788.2	38271.8	-780077.6
	-35504.8	-9860.2	-478.7	-3460.0	41277.9	-775314.2
Asta	220	nodì	142	57		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-23773.5	-973.9	1160.0	709.3	35196.4	14817.9
	-24416.0	-1048.2	1200.5	-1090.7	36540.5	18974.5
10.	-23733.7	-973.9	1160.0	709.3	23596.9	5078.7
	-24376.2	-1048.2	1200.5	-1090.7	24536.0	8492.1
20.	-23693.9	-973.9	1160.0	709.3	11997.4	-4660.5
	-24336.4	-1048.2	1200.5	-1090.7	12531.4	-1990.4
30.	-23654.0	-973.9	1160.0	709.3	397.9	-14399.6
	-24296.6	-1048.2	1200.5	-1090.7	526.8	-12472.8
40.	-23614.2	-973.9	1160.0	709.3	-11201.6	-24138.8
	-24256.8	-1048.2	1200.5	-1090.7	-11477.7	-22955.2
50.	-23574.4	-973.9	1160.0	709.3	-22801.1	-33878.0
	-24216.9	-1048.2	1200.5	-1090.7	-23482.3	-33437.7
60.	-23534.6	-973.9	1160.0	709.3	-34400.6	-43617.2
	-24177.1	-1048.2	1200.5	-1090.7	-35486.9	-43920.1
70.	-23494.8	-973.9	1160.0	709.3	-46000.1	-53356.4
	-24137.3	-1048.2	1200.5	-1090.7	-47491.4	-54402.5
80.	-23455.0	-973.9	1160.0	709.3	-57599.6	-63095.5
	-24097.5	-1048.2	1200.5	-1090.7	-59496.0	-64884.9
Asta	221	nodì	143	59		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-49238.6	-2729.1	280.4	2847.3	18304.0	179704.2
	-49249.2	-2893.9	286.0	955.3	17792.3	188121.8
10.	-49198.8	-2729.1	280.4	2847.3	15499.7	152412.8
	-49209.4	-2893.9	286.0	955.3	14932.5	159182.9
20.	-49159.0	-2729.1	280.4	2847.3	12695.5	125121.3
	-49169.6	-2893.9	286.0	955.3	12072.8	130244.0
30.	-49119.2	-2729.1	280.4	2847.3	9891.2	97829.8
	-49129.8	-2893.9	286.0	955.3	9213.1	101305.1
40.	-49079.3	-2729.1	280.4	2847.3	7086.9	70538.4
	-49090.0	-2893.9	286.0	955.3	6353.3	72366.2
50.	-49039.5	-2729.1	280.4	2847.3	4282.6	43246.9
	-49050.2	-2893.9	286.0	955.3	3493.6	43427.3
60.	-48999.7	-2729.1	280.4	2847.3	1478.3	15955.4
	-49010.4	-2893.9	286.0	955.3	633.8	14488.4
70.	-48959.9	-2729.1	280.4	2847.3	-1326.0	-11336.0
	-48970.6	-2893.9	286.0	955.3	-2225.9	-14450.5
80.	-48920.1	-2729.1	280.4	2847.3	-4130.3	-38627.5
	-48930.7	-2893.9	286.0	955.3	-5085.6	-43389.4
Asta	222	nodì	144	61		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-39001.6	1411.8	188.7	976.3	14744.0	-59024.0
	-39006.4	1229.6	180.7	-879.7	13528.3	-50012.5
10.	-38961.8	1411.8	188.7	976.3	12857.3	-44906.2
	-38966.6	1229.6	180.7	-879.7	11721.3	-37717.0
20.	-38921.9	1411.8	188.7	976.3	10970.6	-30788.5
	-38926.8	1229.6	180.7	-879.7	9914.3	-25421.4
30.	-38882.1	1411.8	188.7	976.3	9083.8	-16670.7
	-38886.9	1229.6	180.7	-879.7	8107.3	-13125.9
40.	-38842.3	1411.8	188.7	976.3	7197.1	-2553.0
	-38847.1	1229.6	180.7	-879.7	6300.3	-830.4
50.	-38802.5	1411.8	188.7	976.3	5310.4	11564.8
	-38807.3	1229.6	180.7	-879.7	4493.3	11465.1
60.	-38762.7	1411.8	188.7	976.3	3423.6	25682.5
	-38767.5	1229.6	180.7	-879.7	2686.3	23760.6
70.	-38722.9	1411.8	188.7	976.3	1536.9	39800.2
	-38727.7	1229.6	180.7	-879.7	879.3	36056.1
80.	-38683.1	1411.8	188.7	976.3	-349.8	53918.0
	-38687.9	1229.6	180.7	-879.7	-927.7	48351.6
Asta	223	nodì	145	63		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-40553.9	4900.0	564.3	-1741.0	24324.9	-248598.2

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	-40541.3	4767.5	539.0	-3476.2	22337.3	-241953.8
10.	-40514.1	4900.0	564.3	-1741.0	18681.9	-199598.4
	-40501.5	4767.5	539.0	-3476.2	16947.1	-194278.8
20.	-40474.3	4900.0	564.3	-1741.0	13039.0	-150598.6
	-40461.6	4767.5	539.0	-3476.2	11556.8	-146603.9
30.	-40434.5	4900.0	564.3	-1741.0	7396.1	-101598.8
	-40421.8	4767.5	539.0	-3476.2	6166.5	-98928.9
40.	-40394.7	4900.0	564.3	-1741.0	1753.1	-52599.0
	-40382.0	4767.5	539.0	-3476.2	776.2	-51253.9
50.	-40354.8	4900.0	564.3	-1741.0	-3889.8	-3599.2
	-40342.2	4767.5	539.0	-3476.2	-4614.1	-3579.0
60.	-40315.0	4900.0	564.3	-1741.0	-9532.7	45400.6
	-40302.4	4767.5	539.0	-3476.2	-10004.4	44096.0
70.	-40275.2	4900.0	564.3	-1741.0	-15175.7	94400.4
	-40262.6	4767.5	539.0	-3476.2	-15394.6	91771.0
80.	-40235.4	4900.0	564.3	-1741.0	-20818.6	143400.2
	-40222.8	4767.5	539.0	-3476.2	-20784.9	139445.9

Asta	224	nod	145	118		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3716.3	42369.9	438.3	-44877.1	31509.4	-2632568.4
	-3452.8	42094.6	427.1	-27315.9	30604.8	-2703110.2
34.	-3716.3	40513.3	421.3	-44681.0	16796.9	-1213723.3
	-3452.8	40235.9	410.9	-27256.3	16262.0	-1293733.9
69.	-3716.3	38850.0	407.2	-44504.9	2616.8	144802.2
	-3452.8	38572.5	397.6	-27209.0	2425.0	55283.6
103.	-3716.3	37389.6	396.4	-44348.9	-11135.9	1449820.5
	-3452.8	37114.3	387.3	-27174.0	-11006.9	1350826.8
137.	-3716.3	36132.8	388.7	-44212.9	-24571.0	2708318.4
	-3452.8	35862.3	380.1	-27151.2	-24139.0	2599969.2
171.	-3716.3	35070.8	383.9	-44096.8	-37794.2	3927144.3
	-3452.8	34808.5	375.6	-27140.8	-37072.8	3809662.3
206.	-3716.3	34186.0	381.6	-44000.9	-50898.7	5112694.6
	-3452.8	33935.7	373.6	-27142.7	-49897.2	4986424.0
240.	-3716.3	33451.3	381.0	-43924.9	-63955.8	6270600.3
	-3452.8	33217.6	373.1	-27156.8	-62679.8	6136028.1
274.	-3716.3	32830.7	381.1	-43869.0	-77006.9	7405413.9
	-3452.8	32618.8	373.2	-27183.3	-75458.9	7263193.0

Asta	225	nod	114	115		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	91.4	-14834.9	-179.2	18367.2	-39858.0	3066956.4
	-93.0	-16163.8	-169.9	15206.9	-38349.9	3425335.4
50.	91.4	-15850.4	-179.0	18829.6	-30982.3	2307044.5
	-93.0	-17071.9	-169.7	15047.3	-29932.9	2602220.9
99.	91.4	-17014.3	-179.8	19311.3	-22098.6	1493320.6
	-93.0	-18130.3	-170.2	14901.5	-21515.5	1730592.2
149.	91.4	-18364.9	-182.8	19812.2	-13126.6	617403.6
	-93.0	-19381.8	-172.7	14769.6	-13027.5	801856.5
198.	91.4	-19921.8	-188.9	20332.3	-3929.6	-330522.1
	-93.0	-20849.6	-178.2	14651.5	-4344.1	-194212.3
248.	91.4	-21685.9	-198.7	20871.6	5661.0	-1360780.1
	-93.0	-22537.3	-187.0	14547.2	4691.3	-1268504.0
297.	91.4	-23639.4	-211.8	21430.1	15820.2	-2483276.0
	-93.0	-24428.9	-199.0	14456.8	14242.7	-2431602.0
347.	91.4	-25745.8	-227.8	22007.8	26704.8	-3706570.0
	-93.0	-26488.9	-213.7	14380.3	24459.0	-3692813.3
397.	91.4	-27949.9	-245.5	22604.7	38428.7	-5036951.2
	-93.0	-28662.2	-230.0	14317.5	35449.7	-5059198.7

Asta	226	nod	115	116		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	147.9	29594.5	230.2	210.2	37548.5	-5025320.1
	327.9	28848.6	221.9	-2190.4	36387.1	-5028841.6
50.	147.9	27345.3	212.2	823.4	26491.0	-3601882.9
	327.9	26615.3	205.2	-2247.9	25713.5	-3642236.4
100.	147.9	25143.3	195.8	1439.1	16299.9	-2289996.2
	327.9	24414.0	189.8	-2307.7	15847.0	-2366767.4
150.	147.9	23043.0	181.9	2057.4	6871.9	-1085849.7
	327.9	22299.9	176.9	-2369.8	6692.1	-1199372.5
200.	147.9	21078.8	171.3	2678.3	-1941.8	16583.9
	327.9	20308.4	167.0	-2434.3	-1891.3	-134724.5
250.	147.9	19264.3	164.1	3301.8	-10311.8	1024533.6
	327.9	18455.6	160.4	-2501.2	-10064.0	833790.1
300.	147.9	17593.2	160.2	3927.8	-18406.6	1945413.7
	327.9	16737.7	156.9	-2570.3	-17985.0	1713093.1
350.	147.9	16038.7	158.7	4556.5	-26369.7	2785808.1
	327.9	15131.7	155.6	-2641.9	-25788.4	2509435.7
400.	147.9	14553.7	158.4	5187.6	-34295.3	3550453.9
	327.9	13594.6	155.4	-2715.7	-33560.4	3227420.6

Asta	227	nod	116	117		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	749.0	-7702.7	-103.4	-10870.1	-19713.2	2236809.2
	655.3	-7761.6	-105.7	8355.8	-20109.4	2309252.8
50.	749.0	-9189.1	-103.9	-10237.7	-14503.6	1811959.9
	655.3	-9296.9	-106.3	8284.3	-14778.7	1880194.4
101.	749.0	-10716.3	-105.8	-9613.6	-9235.1	1311460.7
	655.3	-10869.8	-108.5	8220.6	-9382.6	1373113.7
151.	749.0	-12316.2	-109.8	-8997.5	-3819.3	732402.4
	655.3	-12513.1	-112.8	8164.9	-3825.6	785234.3
201.	749.0	-14006.7	-116.3	-8389.7	1858.4	70618.0
	655.3	-14246.1	-119.8	8117.1	2014.2	112469.3
252.	749.0	-15792.3	-125.1	-7790.0	7921.8	-678622.9

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302.	655.3	-16073.6	-129.3	8077.1	8267.9	-649872.7
	749.0	-17663.3	-136.2	-7198.5	14487.6	-1519919.1
352.	655.3	-17986.7	-141.0	8045.1	15059.2	-1506380.8
	749.0	-19596.5	-148.7	-6615.1	21649.0	-2457043.8
403.	655.3	-19962.1	-154.4	8020.9	22486.8	-2460835.8
	749.0	-21554.8	-161.8	-6039.9	29458.9	-3492249.4
	655.3	-21962.9	-168.4	8004.7	30607.8	-3515503.8
Asta	228	nodì	117	142		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1415.9	30838.3	227.1	-27403.3	28950.8	-3521351.4
	-1336.8	30490.6	248.3	-13807.3	31950.8	-3535681.8
37.	-1415.9	29412.0	217.9	-26990.1	20720.9	-2406803.9
	-1336.8	29032.9	238.4	-13820.0	22948.9	-2434581.4
74.	-1415.9	28024.3	209.6	-26590.6	12816.1	-1344384.4
	-1336.8	27613.8	229.5	-13840.1	14296.7	-1386768.5
111.	-1415.9	26692.7	202.7	-26204.7	5193.6	-332312.6
	-1336.8	26251.0	222.0	-13867.5	5948.6	-390463.3
148.	-1415.9	25426.7	197.3	-25832.5	-2201.0	631688.3
	-1336.8	24954.0	216.2	-13902.2	-2153.6	556618.3
185.	-1415.9	24227.0	193.6	-25473.9	-9427.2	1550083.3
	-1336.8	23724.1	212.2	-13944.3	-10074.2	1456961.0
222.	-1415.9	23086.3	191.3	-25129.0	-16543.2	2425217.0
	-1336.8	22554.5	209.8	-13993.7	-17875.9	2312947.3
259.	-1415.9	21988.7	190.3	-24797.7	-23599.6	3259004.1
	-1336.8	21430.1	208.7	-14050.5	-25613.4	3126554.8
296.	-1415.9	20910.2	190.0	-24480.0	-30632.8	4052621.9
	-1336.8	20327.8	208.3	-14114.6	-33326.3	3899052.6
Asta	229	nodì	142	143		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-133.7	-25924.4	-133.1	4838.9	-37044.9	7710931.9
	-349.6	-26012.8	-130.9	25192.7	-36477.0	7794372.1
44.	-133.7	-27246.6	-133.4	5214.6	-31125.7	6529793.1
	-349.6	-27358.8	-131.2	25120.8	-30656.4	6608758.6
89.	-133.7	-28682.5	-134.8	5595.2	-25172.6	5287694.1
	-349.6	-28813.7	-132.6	25067.9	-24802.4	5361237.1
133.	-133.7	-30309.0	-138.4	5980.6	-19112.1	3977799.5
	-349.6	-30455.4	-136.1	25034.1	-18843.1	4045162.7
178.	-133.7	-32182.5	-144.9	6370.9	-12830.0	2590312.6
	-349.6	-32341.0	-142.5	25019.2	-12666.1	2650891.6
222.	-133.7	-34339.1	-154.9	6766.0	-6182.6	1113377.9
	-349.6	-34507.4	-152.3	25023.4	-6130.5	1166688.0
267.	-133.7	-36794.8	-168.6	7166.0	991.2	-466016.9
	-349.6	-36971.2	-165.8	25046.7	922.3	-420370.1
311.	-133.7	-39545.2	-186.1	7570.8	8859.2	-2161138.1
	-349.6	-39728.4	-183.0	25089.0	8657.2	-2123483.7
356.	-133.7	-42565.5	-207.1	7980.4	17584.1	-3984604.4
	-349.6	-42754.7	-203.6	25150.3	17234.3	-3955226.2
Asta	230	nodì	143	144		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	2595.5	6673.1	73.3	-10323.6	14736.7	-3804900.1
	2544.3	6494.6	82.4	7358.0	16279.1	-3767104.4
37.	2595.5	3977.1	53.4	-9982.3	12382.2	-3607081.1
	2544.3	3793.9	62.8	7419.0	13583.0	-3575990.1
74.	2595.5	1143.3	31.6	-9645.8	10801.4	-3511800.6
	2544.3	955.5	41.4	7484.2	11646.8	-3487585.1
111.	2595.5	-1807.0	8.1	-9314.0	10061.5	-3523775.3
	2544.3	-1999.6	18.4	7553.3	10535.1	-3506608.6
148.	2595.5	-4850.9	-17.0	-8987.0	10221.9	-3646902.3
	2544.3	-5048.6	-6.1	7626.5	10303.6	-3636967.2
185.	2595.5	-7963.7	-43.2	-8664.8	11333.4	-3884198.2
	2544.3	-8166.9	-31.6	7703.8	10999.0	-3881691.4
222.	2595.5	-11119.3	-70.5	-8347.3	13437.1	-4237738.7
	2544.3	-11328.5	-58.1	7785.1	12658.6	-4242873.5
259.	2595.5	-14289.8	-98.4	-8034.6	16564.6	-4708598.5
	2544.3	-14505.4	-85.1	7870.4	15310.2	-4721604.3
297.	2595.5	-17445.8	-126.8	-7726.6	20736.8	-5296790.5
	2544.3	-17668.1	-112.5	7959.8	18971.8	-5317910.3
Asta	231	nodì	144	145		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	1183.7	21555.8	61.9	-22470.6	19760.4	-5355814.5
	1314.7	21338.3	68.2	-5568.5	19851.5	-5367922.8
34.	1183.7	18731.4	36.0	-22198.1	18113.9	-4678627.7
	1314.7	18507.7	43.2	-5486.7	17978.2	-4698153.2
67.	1183.7	15969.7	10.3	-21934.9	17334.9	-4095424.6
	1314.7	15739.6	18.5	-5407.3	16941.3	-4122578.8
101.	1183.7	13293.5	-15.0	-21681.0	17415.2	-3603706.4
	1314.7	13057.1	-5.9	-5330.1	16731.2	-3638703.4
135.	1183.7	10723.2	-39.7	-21436.6	18337.7	-3200248.3
	1314.7	10480.4	-29.6	-5255.2	17330.0	-3243301.9
168.	1183.7	8276.4	-63.5	-21201.4	20076.2	-2881186.4
	1314.7	8027.6	-52.4	-5182.6	18710.9	-2932504.5
202.	1183.7	5968.3	-86.0	-20975.7	22594.3	-2642104.3
	1314.7	5714.0	-73.9	-5112.3	20837.1	-2701882.3
235.	1183.7	3811.5	-107.0	-20759.3	25844.7	-2478119.6
	1314.7	3552.5	-93.9	-5044.3	23662.2	-2546531.1
269.	1183.7	1816.0	-126.0	-20552.3	29768.4	-2383970.2
	1314.7	1553.4	-112.0	-4978.6	27128.7	-2461156.4
Asta	232	nodì	131	146		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ

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0.	4557.7	-8813.2	2483.6	89593.1	542676.5	1322175.7
	3769.7	-9090.3	2494.8	101299.9	544581.5	1469515.6
45.	4557.7	-9704.0	2489.0	90461.5	431933.6	909993.8
	3769.7	-10017.3	2500.1	102035.0	433341.2	1044150.6
89.	4557.7	-10712.8	2517.2	91401.4	320503.3	455548.6
	3769.7	-11055.3	2528.4	102850.3	321415.0	575070.7
134.	4557.7	-11851.9	2582.8	92412.7	207026.8	-46722.4
	3769.7	-12218.4	2594.0	103745.6	207443.2	56984.2
178.	4557.7	-13125.4	2695.5	93495.6	89606.3	-602749.4
	3769.7	-13511.8	2706.7	104721.1	89525.8	-515831.8
223.	4557.7	-14529.0	2860.0	94650.0	-33980.3	-1218457.3
	3769.7	-14932.4	2871.3	105776.6	-34562.7	-1149147.4
267.	4557.7	-16050.0	3076.6	95875.9	-166066.7	-1899391.9
	3769.7	-16468.2	3088.1	106912.2	-167158.7	-1848396.2
312.	4557.7	-17667.3	3340.4	97173.3	-308883.8	-2650346.7
	3769.7	-18098.9	3352.2	108128.0	-310495.0	-2618290.6
357.	4557.7	-19351.5	3642.1	98542.2	-464346.3	-3474989.4
	3769.7	-19795.2	3654.1	109423.8	-466486.5	-3462438.3
Asta	233	nodì	146	119		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	3718.8	21838.4	-2591.6	112102.1	-447685.7	-3497907.4
	3100.1	21482.2	-2615.7	124176.6	-448108.1	-3476282.0
39.	3718.8	20339.0	-2307.3	113365.9	-352112.3	-2675419.3
	3100.1	19973.0	-2331.3	125383.6	-351597.7	-2667881.5
78.	3718.8	18843.5	-2013.5	114698.7	-267839.3	-1911410.4
	3100.1	18468.3	-2037.5	126666.7	-266390.2	-1918328.8
117.	3718.8	17372.9	-1717.8	116100.5	-195082.6	-1205297.7
	3100.1	16989.0	-1741.8	128025.6	-192698.3	-1227021.0
156.	3718.8	15941.9	-1426.3	117571.2	-133794.1	-555803.8
	3100.1	15549.8	-1450.4	129460.6	-130471.8	-592661.4
195.	3718.8	14558.9	-1143.3	119110.9	-83720.3	38799.2
	3100.1	14159.4	-1167.5	130971.4	-79457.3	-13498.1
234.	3718.8	13225.9	-872.0	120719.6	-44462.2	580443.8
	3100.1	12820.1	-896.1	132558.2	-39258.5	512436.8
273.	3718.8	11938.9	-613.8	122397.2	-15533.3	1071022.6
	3100.1	11528.3	-637.5	134221.0	-9395.7	987087.7
312.	3718.8	10687.4	-368.6	124143.8	3581.0	1512143.2
	3100.1	10274.3	-391.6	135959.7	10633.9	1412137.5
Asta	234	nodì	119	118		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-4577.0	12794.7	-1724.2	-73234.5	-219326.1	-1971020.0
	-3798.1	12299.0	-1752.2	-61185.8	-226975.5	-1856860.6
76.	-4577.0	10426.5	-1283.3	-69827.3	-105285.2	-1088564.7
	-3798.1	9933.5	-1308.7	-57773.7	-110894.6	-1012062.6
152.	-4577.0	8192.4	-903.7	-66553.2	-22540.1	-381472.2
	-3798.1	7708.3	-925.4	-54467.8	-26354.8	-342156.3
228.	-4577.0	6134.2	-596.6	-63412.0	34037.5	162183.0
	-3798.1	5661.6	-614.4	-51268.0	31724.9	165102.9
304.	-4577.0	4272.5	-366.5	-60404.0	70173.0	556694.5
	-3798.1	3812.4	-380.7	-48174.3	69076.5	524133.5
380.	-4577.0	2606.8	-211.4	-57528.9	91693.8	817122.3
	-3798.1	2160.8	-222.9	-45186.6	91571.3	750085.8
456.	-4577.0	1115.6	-123.1	-54786.9	104033.3	957691.5
	-3798.1	688.2	-132.7	-42305.1	104709.0	857401.0
532.	-4577.0	-243.7	-86.5	-52177.9	111735.8	990191.6
	-3798.1	-643.4	-95.2	-39529.7	113106.1	858368.9
609.	-4577.0	-1534.5	-80.1	-49702.0	117961.0	922374.5
	-3798.1	-1890.5	-88.7	-36860.3	119984.9	761686.9
Asta	236	nodì	132	131		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-378.4	25945.1	-374.3	-47261.9	-52109.3	-4953170.1
	-517.5	26454.3	-389.4	-33192.4	-54297.8	-4922686.6
53.	-378.4	23684.6	-347.8	-45552.9	-33101.6	-3645944.6
	-517.5	24177.5	-360.8	-31711.5	-34549.8	-3589072.0
105.	-378.4	21509.4	-325.6	-43887.3	-15386.8	-2455896.6
	-517.5	21988.6	-336.7	-30259.9	-16198.2	-2373422.5
158.	-378.4	19483.5	-309.3	-42265.1	1309.0	-1376755.1
	-517.5	19950.2	-318.9	-28837.6	1044.7	-1269364.2
211.	-378.4	17649.7	-299.5	-40686.3	17317.5	-399436.2
	-517.5	18103.8	-307.9	-27444.6	17527.3	-267781.7
263.	-378.4	16030.4	-295.8	-39150.8	32974.9	486862.4
	-517.5	16469.4	-303.3	-26080.8	33603.5	642060.5
316.	-378.4	14626.8	-296.8	-37658.8	48568.8	1293566.3
	-517.5	15045.8	-303.7	-24746.3	49579.0	1471395.1
369.	-378.4	13419.9	-300.0	-36210.2	64285.3	2031630.0
	-517.5	13810.5	-306.7	-23441.0	65655.8	2230830.3
422.	-378.4	12369.3	-302.0	-34804.9	80156.2	2710442.2
	-517.5	12719.7	-308.6	-22165.0	81878.3	2929227.8
Asta	237	nodì	133	132		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	276.5	-10486.9	116.4	-106011.1	26834.2	2705162.5
	381.8	-9730.7	127.4	-92351.3	29444.9	2462453.0
58.	276.5	-11497.2	118.9	-103178.6	20016.0	2067667.7
	381.8	-10769.7	129.9	-89896.7	21988.5	1868084.0
116.	276.5	-12693.5	124.9	-100469.4	12960.6	1366436.6
	381.8	-12002.7	136.3	-87549.6	14283.2	1208053.4
174.	276.5	-14129.1	135.9	-97883.6	5415.8	588989.0
	381.8	-13478.5	148.0	-85310.1	6058.7	469552.8
232.	276.5	-15830.7	152.7	-95421.2	-2933.5	-279472.3
	381.8	-15219.9	165.9	-83178.1	-3024.3	-362298.2

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290.	276.5	-17797.6	175.0	-93082.2	-12420.8	-1254500.0
	381.8	-17223.6	189.9	-81153.6	-13326.0	-1302949.0
348.	276.5	-20002.6	202.2	-90866.5	-23353.4	-2350840.6
	381.8	-19460.6	219.1	-79236.7	-25179.1	-2366915.9
406.	276.5	-22391.4	232.7	-88774.2	-35968.4	-3580871.7
	381.8	-21876.0	251.9	-77427.3	-38841.1	-3566278.6
465.	276.5	-24882.8	264.0	-86805.2	-50388.2	-4953041.0
	381.8	-24389.2	285.6	-75725.5	-54445.6	-4909177.7
Asta	238	nod	135	134		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	665.4	22722.6	-182.5	89324.5	-37013.6	-4746399.9
	472.0	23437.1	-222.8	98326.2	-44062.0	-4740157.4
58.	665.4	20480.0	-162.4	91254.4	-26995.4	-3492266.8
	472.0	21126.8	-196.7	99569.6	-31877.9	-3446567.8
116.	665.4	18304.3	-142.2	93310.8	-18156.3	-2366846.3
	472.0	18896.2	-170.9	100947.6	-21210.1	-2285246.4
174.	665.4	16275.0	-123.7	95493.6	-10447.0	-1363828.3
	472.0	16823.3	-147.5	102460.2	-11980.9	-1249180.6
232.	665.4	14447.0	-108.2	97802.9	-3729.8	-472998.7
	472.0	14960.9	-127.8	104107.4	-4009.2	-327554.6
290.	665.4	12850.9	-96.3	100238.6	2189.5	318337.0
	472.0	13336.6	-112.8	105889.2	2952.3	492777.0
348.	665.4	11492.5	-88.3	102800.8	7530.7	1023929.5
	472.0	11952.2	-102.5	107805.6	9180.2	1225814.7
406.	665.4	10353.3	-83.7	105489.4	12508.0	1657162.2
	472.0	10784.6	-96.6	109856.6	14943.2	1884939.9
465.	665.4	9390.1	-81.6	108304.5	17298.2	2229627.2
	472.0	9784.9	-94.0	112042.2	20465.0	2481441.0
Asta	239	nod	136	135		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-865.6	-15699.6	275.2	50882.4	71205.8	3148757.8
	-725.8	-14308.9	310.0	55358.6	78391.1	2791806.4
49.	-865.6	-16466.3	273.4	52071.3	57736.0	2360135.0
	-725.8	-15185.8	308.2	55949.3	63214.3	2068729.5
98.	-865.6	-17366.6	269.8	53311.9	44410.7	1530809.0
	-725.8	-16198.8	305.3	56593.8	48165.6	1299462.4
147.	-865.6	-18438.5	267.0	54604.4	31249.1	653219.8
	-725.8	-17381.4	303.8	57292.0	33234.8	476438.1
196.	-865.6	-19701.6	266.9	55948.7	18164.0	-281603.7
	-725.8	-18749.9	305.9	58044.0	18296.1	-409134.5
245.	-865.6	-21158.1	270.6	57344.7	4995.0	-1283169.9
	-725.8	-20304.0	312.6	58849.7	3146.1	-1366439.1
294.	-865.6	-22792.1	278.5	58792.6	-8458.4	-2360652.0
	-725.8	-22026.2	324.4	59709.2	-12458.3	-2404220.8
343.	-865.6	-24570.3	290.5	60292.2	-22403.5	-3522013.6
	-725.8	-23882.2	340.9	60622.4	-28761.6	-3529955.0
393.	-865.6	-26441.1	305.7	61843.7	-37020.8	-4773136.4
	-725.8	-25820.6	361.1	61589.3	-45971.3	-4749015.8
Asta	240	nod	138	129		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-329.7	20602.5	-1425.3	193766.5	-150247.8	-1695566.1
	-421.0	20953.2	-1510.9	211427.7	-158339.9	-1776867.4
39.	-329.7	17332.1	-1325.5	197349.4	-96731.6	-957120.1
	-421.0	17753.9	-1404.6	214813.7	-101621.0	-1023389.2
78.	-329.7	14094.5	-1239.4	201054.3	-46844.8	-345402.0
	-421.0	14589.5	-1312.9	218331.7	-48767.3	-393830.7
117.	-329.7	10896.3	-1168.9	204881.4	-12.6	141003.5
	-421.0	11467.0	-1237.9	221981.7	835.6	113314.5
156.	-329.7	7740.5	-1115.0	208830.6	44397.7	503697.3
	-421.0	8390.0	-1180.6	225763.8	47861.9	499756.9
195.	-329.7	4627.3	-1077.4	212902.0	87029.7	744347.1
	-421.0	5358.7	-1140.6	229677.8	92997.2	767282.7
234.	-329.7	1554.0	-1054.6	217095.4	128492.2	864568.9
	-421.0	2370.2	-1116.3	233723.9	136889.1	917625.0
273.	-329.7	-1485.4	-1043.8	221411.0	169312.1	865808.5
	-421.0	-581.9	-1104.9	237902.0	180097.9	952335.4
312.	-329.7	-4499.7	-1041.3	225848.7	209888.7	749222.7
	-421.0	-3507.3	-1102.2	242212.1	223048.1	872655.5
Asta	241	nod	139	138		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	827.8	14022.2	-486.4	-3582.6	-136015.9	-1712174.3
	884.3	13806.9	-522.3	5050.7	-145640.9	-1821670.9
41.	827.8	10590.1	-371.8	71.9	-118387.3	-1207506.3
	884.3	10463.7	-399.5	8455.4	-126705.9	-1323989.2
82.	827.8	7128.3	-248.1	3733.6	-105654.9	-844190.0
	884.3	7085.6	-267.0	11872.3	-113014.7	-964125.9
123.	827.8	3645.0	-118.2	7402.4	-98130.2	-623278.1
	884.3	3681.8	-128.1	15301.3	-104896.3	-743322.3
164.	827.8	148.2	14.9	11078.5	-96005.3	-545487.0
	884.3	261.7	14.1	18742.5	-102552.5	-662440.0
205.	827.8	-3353.9	148.2	14761.7	-99352.8	-611199.7
	884.3	-3165.9	156.6	22195.8	-106057.1	-721966.5
246.	827.8	-6853.2	279.0	18452.1	-108125.0	-820468.2
	884.3	-6591.8	296.2	25661.3	-115355.0	-922019.7
287.	827.8	-10341.8	404.1	22149.7	-122152.5	-1173016.2
	884.3	-10007.3	429.7	29138.9	-130261.9	-1262352.4
328.	827.8	-13811.8	520.6	25854.5	-141144.2	-1668242.2
	884.3	-13403.7	553.9	32628.7	-150463.2	-1742357.8
Asta	242	nod	128	139		

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PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-549.0	3122.3	1035.8	-196590.0	208799.7	912658.6
	-516.8	2142.4	1114.7	-199052.1	223654.0	947267.3
38.	-549.0	267.9	1038.2	-192396.0	168959.0	977907.1
	-516.8	-565.1	1117.3	-195080.3	180775.7	977703.9
77.	-549.0	-2621.1	1048.5	-188304.9	128887.7	932810.0
	-516.8	-3316.3	1128.5	-191213.2	137648.3	903265.4
115.	-549.0	-5554.1	1070.4	-184316.6	88207.4	775845.8
	-516.8	-6120.8	1152.1	-187450.8	93864.4	722077.4
154.	-549.0	-8537.4	1106.5	-180431.1	46418.0	505191.2
	-516.8	-8984.5	1191.0	-183793.2	48886.4	431968.1
192.	-549.0	-11574.1	1158.4	-176648.5	2940.5	118845.5
	-516.8	-11910.1	1246.7	-180240.4	2093.1	30597.8
231.	-549.0	-14663.8	1226.3	-172968.7	-42838.9	-385246.2
	-516.8	-14897.0	1319.6	-176792.3	-47173.9	-484410.1
269.	-549.0	-17803.2	1309.5	-169391.7	-91526.4	-1009069.5
	-516.8	-17940.9	1408.9	-173448.9	-99563.3	-1115339.4
308.	-549.0	-20985.6	1406.1	-165917.6	-143676.9	-1754417.1
	-516.8	-21034.3	1512.5	-170210.3	-155667.9	-1864250.9

Asta	243	nod	133	129		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	500.6	-4007.3	171.7	160465.1	13271.2	4041806.6
	518.9	-5080.2	183.8	178958.1	14458.4	4368417.6
45.	500.6	-4831.7	172.4	159764.3	5607.4	3845648.5
	518.9	-5910.4	184.6	178167.2	6255.3	4124233.9
89.	500.6	-5892.7	174.4	159184.7	-2114.1	3607662.2
	518.9	-6956.1	186.6	177511.3	-2009.8	3838447.2
134.	500.6	-7235.5	177.8	158726.2	-9954.5	3316273.8
	518.9	-8265.7	190.2	176990.5	-10401.5	3500349.6
178.	500.6	-8899.9	182.4	158388.8	-17975.1	2958016.8
	518.9	-9881.5	195.2	176604.8	-18984.4	3097214.3
223.	500.6	-10919.2	187.9	158172.6	-26223.3	2517796.9
	518.9	-11838.7	201.0	176354.1	-27808.7	2614587.6
267.	500.6	-13321.1	193.3	158077.5	-34718.0	1979157.3
	518.9	-14166.5	206.7	176238.5	-36894.6	2036580.5
312.	500.6	-16127.3	197.7	158103.5	-43435.9	1324544.0
	518.9	-16887.1	211.4	176258.0	-46217.6	1346161.4
357.	500.6	-19353.4	199.5	158250.7	-52297.2	535570.8
	518.9	-20016.3	213.3	176412.6	-55692.9	525447.5

Asta	244	nod	134	128		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	443.2	-3080.8	-177.1	-187629.5	-14892.4	3651929.6
	567.4	-4664.0	-178.8	-194127.3	-13151.3	4127759.1
45.	443.2	-3868.5	-177.8	-186921.7	-6988.5	3497866.3
	567.4	-5465.3	-179.7	-193524.7	-5168.7	3902701.6
89.	443.2	-4886.9	-179.6	-186356.0	967.9	3303723.3
	567.4	-6462.7	-182.0	-193069.5	2885.2	3637748.5
134.	443.2	-6177.6	-182.7	-185932.3	9035.3	3058274.6
	567.4	-7702.0	-185.9	-192761.6	11076.3	3323117.6
178.	443.2	-7776.5	-187.2	-185650.5	17273.8	2748565.8
	567.4	-9223.2	-191.0	-192601.0	19469.3	2947115.2
223.	443.2	-9714.8	-192.5	-185510.7	25731.1	2360146.9
	567.4	-11059.9	-197.0	-192587.7	28113.0	2496408.4
267.	443.2	-12018.2	-197.8	-185512.9	34427.6	1877305.3
	567.4	-13239.8	-202.9	-192721.7	37025.7	1956297.8
312.	443.2	-14707.0	-202.0	-185657.1	43342.2	1283298.8
	567.4	-15784.4	-207.6	-193003.0	46180.5	1310989.8
357.	443.2	-17796.6	-203.8	-185943.3	52397.5	560588.4
	567.4	-18708.9	-209.6	-193431.6	55489.9	543868.7

Asta	245	nod	147	114		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3783.2	12109.2	1223.9	74947.5	136155.1	-2034028.2
	-375.7	9006.3	1335.5	78748.5	172226.9	-1275177.6
76.	-3783.2	10166.1	888.2	72332.8	56140.8	-1186945.6
	-375.7	7071.7	996.4	76124.8	83796.3	-664024.4
152.	-3783.2	8266.0	605.5	69862.1	-312.3	-486398.9
	-375.7	5200.4	703.7	73653.5	19467.2	-197780.7
228.	-3783.2	6456.6	380.6	67535.2	-37441.7	72841.5
	-375.7	3414.5	466.1	71334.5	-24653.6	129260.0
304.	-3783.2	4762.7	214.3	65352.3	-59702.3	498761.5
	-375.7	1727.3	287.7	69167.8	-52947.3	324157.7
380.	-3783.2	3186.5	103.5	63313.4	-71457.3	800374.5
	-375.7	143.8	167.2	67153.5	-69896.3	394665.4
456.	-3783.2	1707.4	40.8	61418.3	-76670.3	985992.9
	-375.7	-1340.1	98.3	65291.5	-79696.1	348567.4
532.	-3783.2	282.1	14.8	59667.2	-78596.4	1061499.0
	-375.7	-2736.9	69.5	63581.9	-85868.9	193018.7
609.	-3783.2	-1155.5	10.3	58060.1	-79473.6	1028616.7
	-375.7	-4068.1	64.4	62024.6	-90875.9	-66115.8

Asta	246	nod	148	147		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	2746.3	11180.0	3279.4	-72845.9	534629.0	-1493817.7
	220.2	8474.4	3367.4	-66925.6	531077.1	-1379677.3
39.	2746.3	10154.1	2998.6	-73883.5	412182.8	-1077764.3
	220.2	7438.6	3092.6	-67995.5	405083.7	-1069322.3
78.	2746.3	9121.8	2715.5	-74966.4	300764.9	-701876.8
	220.2	6391.4	2816.0	-69107.3	289876.0	-799615.2
117.	2746.3	8091.4	2438.9	-76094.7	200286.3	-366235.5
	220.2	5340.9	2546.3	-70261.1	185346.8	-570836.2
156.	2746.3	7068.3	2175.5	-77268.2	110355.1	-70652.5

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195.	220.2	4293.2	2289.8	-71456.8	91094.6	-382990.4
	2746.3	6055.2	1929.5	-78487.1	30367.5	185219.8
234.	220.2	3252.8	2050.5	-72694.3	6519.1	-235873.7
	2746.3	5052.0	1703.0	-79751.4	-40402.7	401780.9
273.	220.2	2222.6	1829.7	-73973.9	-69084.7	-129138.4
	2746.3	4056.1	1495.5	-81060.9	-102713.6	579373.2
312.	220.2	1203.8	1626.6	-75295.3	-136430.8	-62358.9
	2746.3	3061.6	1304.4	-82415.8	-157264.9	718173.9
	220.2	195.8	1437.8	-76658.6	-196148.3	-35098.3
Asta	247	nod	136	148		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	4054.0	754.9	-2809.3	-57245.4	-578298.2	-482685.4
	448.6	-1908.3	-2774.5	-51460.0	-569202.4	571491.2
45.	4054.0	60.1	-2814.9	-58056.5	-453039.5	-464202.6
	448.6	-2680.1	-2780.0	-52341.7	-445496.2	469434.0
89.	4054.0	-720.4	-2844.6	-58914.1	-327060.0	-478602.5
	448.6	-3504.4	-2809.1	-53265.6	-321082.6	331843.8
134.	4054.0	-1582.4	-2913.5	-59818.2	-198930.6	-529618.4
	448.6	-4387.8	-2876.8	-54231.8	-194557.8	156222.5
178.	4054.0	-2520.4	-3031.3	-60768.7	-66667.8	-620764.9
	448.6	-5333.4	-2992.5	-55240.3	-63973.1	-60144.7
223.	4054.0	-3526.8	-3202.4	-61765.7	72027.0	-755264.0
	448.6	-6340.9	-3160.5	-56291.0	72928.2	-320037.3
267.	4054.0	-4592.6	-3425.9	-62809.2	219527.4	-935971.3
	448.6	-7406.7	-3379.9	-57383.9	218474.5	-626146.8
312.	4054.0	-5707.1	-3695.3	-63899.2	378042.6	-1165302.9
	448.6	-8523.8	-3644.1	-58519.1	374829.3	-980925.2
357.	4054.0	-6858.1	-3998.8	-65035.6	549377.9	-1445160.8
	448.6	-9681.5	-3941.6	-59696.5	543754.3	-1386432.5
Asta	249	nod	27	25		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-14.2	1771.1	4.4	-27903.3	633.0	-223796.0
	-16.9	1944.8	3.9	-29354.2	568.0	-250667.8
39.	-14.2	1649.4	4.4	-27903.3	461.4	-157096.9
	-16.9	1823.1	3.9	-29354.2	414.2	-177194.0
78.	-14.2	1527.7	4.4	-27903.3	289.9	-95143.3
	-16.9	1701.4	3.9	-29354.2	260.4	-108465.8
117.	-14.2	1406.0	4.4	-27903.3	118.3	-37935.2
	-16.9	1579.7	3.9	-29354.2	106.5	-44483.1
156.	-14.2	1284.4	4.4	-27903.3	-53.2	14527.3
	-16.9	1458.1	3.9	-29354.2	-47.3	14754.1
195.	-14.2	1162.7	4.4	-27903.3	-224.8	62244.3
	-16.9	1336.4	3.9	-29354.2	-201.2	69245.7
234.	-14.2	1041.0	4.4	-27903.3	-396.3	105215.8
	-16.9	1214.7	3.9	-29354.2	-355.0	118991.9
273.	-14.2	919.3	4.4	-27903.3	-567.8	143441.8
	-16.9	1093.0	3.9	-29354.2	-508.9	163992.5
312.	-14.2	797.6	4.4	-27903.3	-739.4	176922.3
	-16.9	971.3	3.9	-29354.2	-662.7	204247.6
Asta	250	nod	28	26		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2.1	4363.2	6.0	-16077.3	950.4	-302223.9
	-2.4	4528.0	5.7	-17854.5	903.1	-326824.8
39.	-2.1	3546.6	6.0	-16077.3	715.2	-147983.4
	-2.4	3711.3	5.7	-17854.5	679.9	-166157.3
78.	-2.1	2729.9	6.0	-16077.3	480.1	-25592.7
	-2.4	2894.7	5.7	-17854.5	456.7	-37339.6
117.	-2.1	1913.2	6.0	-16077.3	244.9	64948.2
	-2.4	2078.0	5.7	-17854.5	233.5	59628.4
156.	-2.1	1096.6	6.0	-16077.3	9.8	123639.4
	-2.4	1261.4	5.7	-17854.5	10.3	124746.6
195.	-2.1	279.9	6.0	-16077.3	-225.4	150480.9
	-2.4	444.7	5.7	-17854.5	-212.8	158015.1
234.	-2.1	-536.7	6.0	-16077.3	-460.5	145472.6
	-2.4	-372.0	5.7	-17854.5	-436.0	159433.9
273.	-2.1	-1353.4	6.0	-16077.3	-695.7	108614.6
	-2.4	-1188.6	5.7	-17854.5	-659.2	129002.9
312.	-2.1	-2170.1	6.0	-16077.3	-930.8	39906.9
	-2.4	-2005.3	5.7	-17854.5	-882.4	66722.1
Asta	252	nod	150	48		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-26761.7	-850.7	-472.4	27689.3	-79765.1	43551.5
	-26846.3	-833.5	-688.9	25499.1	-99465.7	43216.3
21.	-26677.1	-850.7	-472.4	27689.3	-69726.7	25473.5
	-26761.7	-833.5	-688.9	25499.1	-84826.9	25504.3
43.	-26592.5	-850.7	-472.4	27689.3	-59688.4	7395.5
	-26677.1	-833.5	-688.9	25499.1	-70188.1	7792.3
64.	-26507.9	-850.7	-472.4	27689.3	-49650.1	-10682.6
	-26592.5	-833.5	-688.9	25499.1	-55549.3	-9919.7
85.	-26423.3	-850.7	-472.4	27689.3	-39611.7	-28760.6
	-26507.9	-833.5	-688.9	25499.1	-40910.6	-27631.7
106.	-26338.7	-850.7	-472.4	27689.3	-29573.4	-46838.6
	-26423.3	-833.5	-688.9	25499.1	-26271.8	-45343.7
128.	-26254.1	-850.7	-472.4	27689.3	-19535.1	-64916.6
	-26338.7	-833.5	-688.9	25499.1	-11633.0	-63055.8
149.	-26169.5	-850.7	-472.4	27689.3	-9496.8	-82994.6
	-26254.1	-833.5	-688.9	25499.1	3005.8	-80767.8
170.	-26084.9	-850.7	-472.4	27689.3	541.6	-101072.7
	-26169.5	-833.5	-688.9	25499.1	17644.6	-98479.8

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Asta PROGR.	254 NORM	nod TY	152 TZZ	56 TORS	MY	MZ
0.	-26796.5	-2666.8	668.9	27749.8	107144.0	15884.6
	-26844.6	-2659.9	519.9	25552.1	88145.4	16672.9
21.	-26711.9	-2666.8	668.9	27749.8	92930.2	-40784.9
	-26760.0	-2659.9	519.9	25552.1	77098.0	-39849.2
43.	-26627.3	-2666.8	668.9	27749.8	78716.4	-97454.3
	-26675.4	-2659.9	519.9	25552.1	66050.6	-96371.4
64.	-26542.7	-2666.8	668.9	27749.8	64502.6	-154123.8
	-26590.8	-2659.9	519.9	25552.1	55003.2	-152893.5
85.	-26458.1	-2666.8	668.9	27749.8	50288.8	-210793.3
	-26506.2	-2659.9	519.9	25552.1	43955.8	-209415.6
106.	-26373.5	-2666.8	668.9	27749.8	36074.9	-267462.7
	-26421.6	-2659.9	519.9	25552.1	32908.4	-265937.8
128.	-26288.9	-2666.8	668.9	27749.8	21861.1	-324132.2
	-26337.0	-2659.9	519.9	25552.1	21861.0	-322459.9
149.	-26204.3	-2666.8	668.9	27749.8	7647.3	-380801.6
	-26252.4	-2659.9	519.9	25552.1	10813.5	-378982.0
170.	-26119.7	-2666.8	668.9	27749.8	-6566.5	-437471.1
	-26167.8	-2659.9	519.9	25552.1	-233.9	-435504.2
Asta PROGR.	256 NORM	nod TY	150 TZZ	152 TORS	MY	MZ
0.	29.1	5156.9	340.6	9668.1	53200.4	-154234.0
	58.2	5403.1	343.1	11088.7	53583.7	-192870.7
39.	29.1	3816.1	340.6	9668.1	39918.3	20739.2
	58.2	4062.3	343.1	11088.7	40201.5	-8295.8
78.	29.1	2475.3	340.6	9668.1	26636.2	143420.4
	58.2	2721.5	343.1	11088.7	26819.2	123987.0
117.	29.1	1134.4	340.6	9668.1	13354.0	213809.6
	58.2	1380.6	343.1	11088.7	13437.0	203977.9
156.	29.1	-206.4	340.6	9668.1	71.9	231906.8
	58.2	39.8	343.1	11088.7	54.7	231676.8
195.	29.1	-1547.2	340.6	9668.1	-13210.2	197712.0
	58.2	-1301.0	343.1	11088.7	-13327.5	207083.7
234.	29.1	-2888.0	340.6	9668.1	-26492.4	111225.3
	58.2	-2641.8	343.1	11088.7	-26709.8	130198.7
273.	29.1	-4228.8	340.6	9668.1	-39774.5	-27553.4
	58.2	-3982.6	343.1	11088.7	-40092.0	1021.6
312.	29.1	-5569.7	340.6	9668.1	-53056.6	-218624.1
	58.2	-5323.5	343.1	11088.7	-53474.3	-180447.4
Asta PROGR.	257 NORM	nod TY	148 TZZ	106 TORS	MY	MZ
0.	-18038.1	-7278.2	1307.7	14748.9	48657.0	7810.3
	-18155.9	-7309.1	228.4	12677.2	-6755.2	7229.0
10.	-18038.1	-7278.2	1307.7	14748.9	35580.1	-64972.0
	-18155.9	-7309.1	228.4	12677.2	-9039.1	-65861.7
20.	-18038.1	-7278.2	1307.7	14748.9	22503.2	-137754.3
	-18155.9	-7309.1	228.4	12677.2	-11323.1	-138952.4
30.	-18038.1	-7278.2	1307.7	14748.9	9426.3	-210536.5
	-18155.9	-7309.1	228.4	12677.2	-13607.1	-212043.2
40.	-18038.1	-7278.2	1307.7	14748.9	-3650.6	-283318.8
	-18155.9	-7309.1	228.4	12677.2	-15891.1	-285133.9
50.	-18038.1	-7278.2	1307.7	14748.9	-16727.5	-356101.1
	-18155.9	-7309.1	228.4	12677.2	-18175.1	-358224.6
60.	-18038.1	-7278.2	1307.7	14748.9	-29804.4	-428883.4
	-18155.9	-7309.1	228.4	12677.2	-20459.1	-431315.4
70.	-18038.1	-7278.2	1307.7	14748.9	-42881.3	-501665.6
	-18155.9	-7309.1	228.4	12677.2	-22743.1	-504406.1
80.	-18038.1	-7278.2	1307.7	14748.9	-55958.2	-574447.9
	-18155.9	-7309.1	228.4	12677.2	-25027.1	-577496.8
Asta PROGR.	258 NORM	nod TY	147 TZZ	105 TORS	MY	MZ
0.	-42796.7	-4714.1	-288.5	-11173.4	48847.8	52874.8
	-42437.0	-4686.3	-901.2	-9617.6	15732.0	52718.6
10.	-42796.7	-4714.1	-288.5	-11173.4	51732.7	5733.5
	-42437.0	-4686.3	-901.2	-9617.6	24744.4	5855.8
20.	-42796.7	-4714.1	-288.5	-11173.4	54617.6	-41407.9
	-42437.0	-4686.3	-901.2	-9617.6	33756.8	-41007.0
30.	-42796.7	-4714.1	-288.5	-11173.4	57502.5	-88549.2
	-42437.0	-4686.3	-901.2	-9617.6	42769.2	-87869.7
40.	-42796.7	-4714.1	-288.5	-11173.4	60387.4	-135690.5
	-42437.0	-4686.3	-901.2	-9617.6	51781.6	-134732.5
50.	-42796.7	-4714.1	-288.5	-11173.4	63272.3	-182831.8
	-42437.0	-4686.3	-901.2	-9617.6	60794.0	-181595.3
60.	-42796.7	-4714.1	-288.5	-11173.4	66157.2	-229973.1
	-42437.0	-4686.3	-901.2	-9617.6	69806.4	-228458.0
70.	-42796.7	-4714.1	-288.5	-11173.4	69042.2	-277114.4
	-42437.0	-4686.3	-901.2	-9617.6	78818.8	-275320.8
80.	-42796.7	-4714.1	-288.5	-11173.4	71927.1	-324255.7
	-42437.0	-4686.3	-901.2	-9617.6	87831.2	-322183.6
Asta PROGR.	259 NORM	nod TY	153 TZZ	154 TORS	MY	MZ
0.	0.0	-35018.7	140.2	-86292.9	78201.3	4882930.9
	0.0	-31585.7	137.4	2125.6	79126.3	4194341.8
106.	0.0	-26716.3	137.0	-73897.1	63481.1	1614536.9
	0.0	-24090.2	134.0	3033.1	64715.4	1246773.6
212.	0.0	-18113.3	129.3	-61664.2	49361.1	-760260.5
	0.0	-16270.9	125.9	3966.1	50938.4	-892241.9
317.	0.0	-9135.7	119.7	-49594.4	36176.0	-2205443.9
	0.0	-7969.2	115.5	4924.7	38159.3	-2179459.7

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423.	0.0	257.2	110.1	-37687.5	24023.9	-2678921.8
	0.0	906.1	105.0	5908.8	26498.5	-2558414.2
529.	0.0	10072.1	101.9	-25943.6	12824.2	-2136098.9
	0.0	10379.0	95.9	6918.5	15888.2	-1966549.5
635.	0.0	20282.1	96.0	-14362.7	2376.0	-533446.0
	0.0	20405.8	89.1	7953.7	6127.9	-342349.4
741.	0.0	30826.5	92.7	-2944.7	-7583.5	2167929.4
	0.0	30875.7	85.1	9014.5	-3060.1	2367532.5
847.	0.0	41610.9	91.7	8310.2	-17321.2	5998713.1
	0.0	41610.4	83.9	10100.8	-11975.2	6201142.3
Asta	260	nodì	154	155		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	-36132.3	-16.7	-115481.9	-14552.6	4323712.3
	0.0	-35130.3	-41.5	12670.8	-24135.3	4056328.0
87.	0.0	-27131.5	-16.2	-106381.8	-13111.4	1561353.4
	0.0	-26213.6	-40.8	13602.6	-20535.5	1378076.5
175.	0.0	-18072.5	-14.9	-97521.6	-11749.2	-412430.9
	0.0	-17260.2	-39.2	14584.1	-17038.9	-520137.6
262.	0.0	-8976.7	-13.2	-88901.0	-10519.3	-1593478.3
	0.0	-8262.9	-37.1	15615.3	-13708.1	-1634696.9
349.	0.0	132.4	-11.3	-80520.3	-9449.9	-1979591.7
	0.0	771.7	-34.9	16696.2	-10567.8	-1961951.9
437.	0.0	9229.3	-9.5	-72379.2	-8545.6	-1570709.2
	0.0	9823.6	-32.9	17826.9	-7612.1	-1499420.0
524.	0.0	18286.7	-7.9	-64478.0	-7790.3	-369072.7
	0.0	18858.6	-31.3	19007.3	-4812.1	-246984.4
611.	0.0	27275.2	-6.9	-56816.4	-7149.6	1620601.8
	0.0	27829.2	-30.4	20237.4	-2122.4	1791906.9
699.	0.0	36163.7	-6.5	-49394.7	-6572.5	4390955.4
	0.0	36673.9	-30.1	21517.2	511.1	4609042.5
Asta	261	nodì	155	156		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-57005E-09	-56891E+05	-29555E+02	-89079E+05	-14118E+05	0.11445E+08
	-42878E-09	-55771E+05	-38242E+02	53853E+05	-18819E+05	0.11131E+08
156.	0.0	-41407.3	-31.5	-76243.5	-9426.4	3803350.6
	0.0	-40492.4	-40.0	56484.3	-12786.7	3649245.2
311.	0.0	-26552.3	-39.1	-63766.8	-4026.3	-1475529.5
	0.0	-25920.8	-47.4	59727.6	-6076.7	-1509011.1
467.	0.0	-12463.1	-53.8	-51648.8	3104.7	-4500905.4
	0.0	-12098.4	-62.5	63583.0	2374.1	-4457525.3
623.	0.0	799.4	-75.3	-39889.5	13074.3	-5397680.6
	0.0	965.1	-85.0	68050.3	13761.7	-5314063.1
778.	0.0	13250.3	-101.5	-28488.9	26796.7	-4294322.1
	0.0	13292.3	-112.7	73129.6	29099.4	-4195392.6
934.	0.0	24980.4	-128.4	-17447.1	44711.9	-1311049.1
	0.0	24938.1	-141.5	78820.9	48901.5	-1212244.6
1089.	0.0	36156.7	-150.3	-6764.0	66505.9	3451977.5
	0.0	35990.0	-165.0	85124.2	72867.3	3535727.0
1245.	0.0	47021.9	-159.5	3560.4	90830.0	9926466.2
	0.0	46567.7	-175.0	92039.4	99565.0	9964984.8
Asta	262	nodì	157	156		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-12414.0	-24892.0	2460.3	-690646.6	452932.8	3442384.9
	-11010.4	-24430.4	2505.8	-639511.8	470538.7	3336006.6
82.	-12414.0	-19271.1	2041.6	-682425.7	267979.5	1625208.2
	-11010.4	-18818.2	2084.6	-631271.7	281931.3	1556640.9
165.	-12414.0	-13791.1	1678.1	-675301.2	115317.4	265964.4
	-11010.4	-13367.0	1717.7	-624042.7	125863.3	233593.8
247.	-12414.0	-8577.7	1381.5	-669273.1	-10121.5	-652516.8
	-11010.4	-8194.3	1417.4	-617824.8	-2682.1	-651587.9
329.	-12414.0	-3698.5	1156.9	-664341.5	-114092.4	-1155358.2
	-11010.4	-3364.2	1189.3	-612618.0	-109460.2	-1124837.3
412.	-12414.0	837.0	1003.4	-660506.3	-202528.3	-1270859.6
	-11010.4	1112.9	1032.9	-608422.2	-200441.7	-1215150.1
494.	-12414.0	5077.1	913.8	-657767.6	-281031.9	-1025723.2
	-11010.4	5280.3	941.4	-605237.5	-281291.0	-950169.6
576.	-12414.0	9128.3	875.0	-656125.3	-354366.2	-440277.7
	-11010.4	9234.9	901.5	-603063.9	-356844.0	-351769.6
659.	-12414.0	13155.0	867.4	-655579.4	-425945.8	476296.4
	-11010.4	13127.2	893.6	-601901.3	-430585.6	568360.7
Asta	263	nodì	158	157		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	11377.3	-20897.5	-1446.4	535882.7	-537427.9	2843740.4
	10090.9	-21108.3	-1435.4	591565.6	-537346.6	2780104.7
90.	11377.3	-16260.7	-1461.0	537390.2	-407140.9	1172282.4
	10090.9	-16294.9	-1449.7	592267.1	-408053.3	1098057.9
180.	11377.3	-11272.6	-1530.7	539972.5	-273331.4	-66576.7
	10090.9	-11175.6	-1518.5	594147.3	-275292.7	-137710.1
269.	11377.3	-5983.2	-1683.8	543629.5	-129676.0	-843543.4
	10090.9	-5784.2	-1670.1	597206.4	-132793.0	-901215.3
359.	11377.3	-440.2	-1934.1	548361.2	32040.8	-1133715.4
	10090.9	-157.2	-1918.7	601444.3	27621.6	-1169639.0
449.	11377.3	5310.5	-2281.3	554167.7	220647.4	-916395.8
	10090.9	5665.4	-2264.1	606861.0	214762.0	-923597.0
539.	11377.3	11225.2	-2711.0	561049.0	444305.5	-174907.9
	10090.9	11641.0	-2692.3	613456.5	436803.0	-147407.6
629.	11377.3	17262.2	-3194.3	569005.0	709230.3	1103591.1
	10090.9	17724.0	-3175.0	621230.7	700014.1	1170639.7
719.	11377.3	23382.0	-3688.2	578035.8	1018411.5	2928295.5
	10090.9	23865.5	-3669.8	630183.8	1007489.4	3038015.6

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Asta	264	nod	159	153		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-11198.8	-23668.1	-1709.4	472223.7	-274752.6	3372702.3
	-4698.5	-20656.7	-1942.8	505059.1	-369971.8	2566288.3
82.	-11198.8	-18645.7	-1390.5	465787.5	-147470.3	1630661.4
	-4698.5	-15684.1	-1620.7	498614.8	-223548.4	1070912.0
165.	-11198.8	-13623.8	-1118.8	460095.6	-44545.4	303088.5
	-4698.5	-10785.8	-1339.6	492969.5	-102032.4	-17764.8
247.	-11198.8	-8730.7	-900.3	455147.9	38179.0	-615748.2
	-4698.5	-6015.9	-1109.2	488123.1	-1617.8	-708243.2
329.	-11198.8	-4034.8	-736.7	450944.4	105175.2	-1139670.6
	-4698.5	-1405.8	-934.2	484075.7	82093.9	-1012539.5
412.	-11198.8	455.1	-625.8	447485.2	160902.6	-1285684.7
	-4698.5	3036.3	-814.2	480827.1	153683.8	-944303.0
494.	-11198.8	4789.5	-561.5	444770.3	209478.7	-1069074.9
	-4698.5	7324.6	-744.1	478377.5	217506.8	-516933.3
576.	-11198.8	9079.0	-533.8	442799.5	254350.3	-498498.6
	-4698.5	11496.7	-713.7	476726.8	277282.0	258301.7
659.	-11198.8	13493.2	-528.3	441573.1	297964.8	428919.4
	-4698.5	15612.6	-707.8	475875.1	335682.8	1374148.4

Asta	265	nod	160	159		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	10263.6	-19901.7	1212.4	-432684.7	435007.5	3012728.0
	4306.1	-18143.9	1060.3	-392272.9	397945.0	2133047.0
90.	10263.6	-15806.6	1224.4	-433621.7	325804.7	1406026.4
	4306.1	-13742.7	1071.7	-393813.6	302417.7	700082.6
180.	10263.6	-11353.2	1281.4	-435424.2	213715.5	184166.6
	4306.1	-9185.0	1125.1	-396144.6	204174.8	-330781.0
269.	10263.6	-6653.9	1405.7	-438092.2	93609.6	-625953.6
	4306.1	-4450.2	1241.7	-399265.7	98415.4	-944456.7
359.	10263.6	-1790.2	1608.0	-441625.8	-41127.7	-1006143.6
	4306.1	468.0	1431.7	-403177.0	-21073.7	-1124643.6
449.	10263.6	3187.1	1887.1	-446025.0	-197535.5	-944150.2
	4306.1	5561.8	1695.2	-407878.6	-160969.5	-855116.8
539.	10263.6	8258.2	2230.0	-451289.8	-382017.4	-430887.0
	4306.1	10808.5	2021.4	-413370.4	-327463.7	-121017.0
629.	10263.6	13434.1	2612.0	-457420.1	-599280.9	542335.2
	4306.1	16171.6	2389.0	-419652.3	-525314.3	1089860.4
719.	10263.6	18756.7	2996.4	-464416.0	-851277.9	1986578.4
	4306.1	21599.9	2766.4	-426724.5	-756896.3	2785774.9

Asta	266	nod	160	161		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	-21075.3	-169.8	100766.4	-74477.3	3416069.9
	0.0	-23936.5	-170.0	155041.8	-74352.7	3997446.8
120.	0.0	-15872.0	-161.2	107153.4	-54527.9	1205217.5
	0.0	-18073.8	-161.7	156841.3	-54364.5	1483083.4
239.	0.0	-10579.9	-141.8	113983.5	-36342.7	-377752.9
	0.0	-12098.7	-143.2	159209.9	-36068.3	-322248.3
359.	0.0	-5216.8	-119.3	121256.7	-20728.0	-1323174.0
	0.0	-6101.2	-122.3	162147.7	-20192.9	-1410662.8
479.	0.0	188.5	-99.4	128973.0	-7690.6	-1624169.7
	0.0	-152.7	-104.5	165654.5	-6673.9	-1783931.3
598.	0.0	5595.8	-85.3	137132.3	3292.3	-1277983.7
	0.0	5693.5	-92.8	169730.3	5062.1	-1451292.7
718.	0.0	10954.2	-78.1	145734.7	13002.7	-287306.5
	0.0	11402.3	-88.0	174375.3	15813.8	-427263.6
837.	0.0	16201.5	-76.6	154780.2	22212.6	1338396.1
	0.0	16957.2	-88.3	179589.4	26321.0	1270551.2
957.	0.0	21264.3	-77.2	164268.7	31413.2	3581555.8
	0.0	22359.7	-89.7	185372.5	36981.4	3623648.5

Asta	267	nod	162	158		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	-22656.8	85.0	-189010.7	36439.5	3807605.9
	0.0	-23915.5	80.1	-128584.9	34300.4	4126489.6
123.	0.0	-17284.1	84.1	-179647.1	26014.4	1344211.5
	0.0	-18331.6	79.2	-121496.5	24480.5	1520044.9
247.	0.0	-11704.8	85.7	-170847.7	15609.7	-444409.3
	0.0	-12489.5	80.9	-114781.3	14664.1	-381651.6
370.	0.0	-5915.5	94.3	-162612.2	4603.4	-1532373.7
	0.0	-6446.6	89.4	-108439.0	4247.8	-1550373.4
493.	0.0	66.9	111.7	-154940.9	-8005.0	-1894624.4
	0.0	-254.3	106.2	-102469.8	-7726.8	-1964601.4
616.	0.0	6205.1	136.5	-147833.7	-23238.9	-1509452.9
	0.0	6041.4	130.1	-96873.7	-22235.8	-1608816.4
740.	0.0	12441.1	164.6	-141290.5	-41790.4	-361022.7
	0.0	12400.6	157.1	-91650.6	-39935.0	-472790.6
863.	0.0	18696.6	189.0	-135311.4	-63664.9	1558108.3
	0.0	18788.9	180.5	-86800.6	-60822.5	1449120.4
986.	0.0	24872.8	199.8	-129896.3	-87826.1	4244464.4
	0.0	25177.7	190.9	-82323.6	-83901.2	4158686.2

Asta	268	nod	114	153		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	-30494.7	1857.1	740330.4	19747.5	-1419758.0
	0.0	-30361.7	1981.4	1247128.8	25323.4	-1164799.6
9.	0.0	-30000.7	1857.1	739890.1	3333.0	-1687110.7
	0.0	-29898.4	1981.4	1246894.9	7809.7	-1431111.1
18.	0.0	-29508.6	1857.1	739464.1	-13081.3	-1950105.4
	0.0	-29439.0	1981.4	1246685.1	-9703.8	-1693344.6
27.	0.0	-29018.4	1857.1	739052.3	-29495.6	-2208759.2

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35.	0.0	-28983.5	1981.4	1246499.3	-27217.3	-1951534.8
	0.0	-28529.9	1857.1	738654.7	-45909.9	-2463088.3
	0.0	-28531.8	1981.4	1246337.6	-44730.7	-2205716.0
44.	0.0	-28042.8	1857.1	738271.4	-62324.4	-2713106.1
	0.0	-28083.5	1981.5	1246199.9	-62244.4	-2455919.9
53.	0.0	-27556.4	1857.2	737902.4	-78739.3	-2958821.7
	0.0	-27638.1	1981.5	1246086.2	-79758.5	-2702174.7
62.	0.0	-27069.9	1857.2	737547.5	-95154.6	-3200238.1
	0.0	-27194.8	1981.6	1245996.5	-97272.9	-2944502.7
71.	0.0	-26582.4	1857.2	737207.0	-111570.3	-3437350.8
	0.0	-26752.8	1981.6	1245930.9	-114787.7	-3182919.2
Asta	269	nodì	116	154		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-648.7	-26449.9	301.7	-653791.8	7801.9	5571.2
	-680.8	-26554.1	110.1	-459018.8	6373.2	20179.7
6.	-648.7	-26000.8	301.7	-653782.7	5916.3	-158338.1
	-680.8	-26096.0	110.1	-458993.8	5685.2	-144351.6
13.	-648.7	-25550.5	301.6	-653779.8	4031.1	-319436.8
	-680.8	-25638.2	110.0	-458973.3	4997.5	-306020.7
19.	-648.7	-25099.1	301.6	-653783.2	2146.3	-477717.4
	-680.8	-25180.9	109.9	-458957.2	4310.2	-464830.1
25.	-648.7	-24646.6	301.5	-653792.9	261.7	-633173.3
	-680.8	-24724.2	109.9	-458945.5	3623.2	-620783.4
31.	-648.7	-24193.0	301.5	-653808.9	-1622.7	-785797.7
	-680.8	-24268.1	109.9	-458938.2	2936.3	-773884.1
38.	-648.7	-23738.3	301.5	-653831.2	-3506.9	-935583.9
	-680.8	-23812.4	109.9	-458935.4	2249.6	-924135.4
44.	-648.7	-23282.3	301.5	-653859.9	-5391.0	-1082524.1
	-680.8	-23357.1	109.8	-458937.0	1563.1	-1071539.8
50.	-648.7	-22824.8	301.5	-653894.8	-7275.1	-1226609.7
	-680.8	-22901.8	109.8	-458943.0	876.5	-1216098.8
Asta	270	nodì	142	155		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-741.5	-35304.1	154.2	1821746.1	-2851.4	32257.7
	-769.8	-35378.3	-30.5	1938172.5	-2120.7	37923.9
6.	-741.5	-34857.8	154.2	1821679.3	-3815.0	-186998.5
	-769.8	-34926.8	-30.5	1938129.9	-1930.0	-181779.2
13.	-741.5	-34410.8	154.2	1821630.1	-4778.6	-403462.9
	-769.8	-34475.7	-30.5	1938106.0	-1739.4	-398661.5
19.	-741.5	-33963.2	154.2	1821598.4	-5742.4	-617131.9
	-769.8	-34025.3	-30.5	1938100.8	-1549.0	-612726.7
25.	-741.5	-33515.3	154.2	1821584.3	-6706.2	-828002.6
	-769.8	-33575.6	-30.4	1938114.2	-1358.7	-823979.1
31.	-741.5	-33066.9	154.2	1821587.8	-7670.1	-1036072.3
	-769.8	-33126.7	-30.4	1938146.4	-1168.4	-1032423.5
38.	-741.5	-32618.0	154.2	1821608.9	-8634.0	-1241338.0
	-769.8	-32678.4	-30.4	1938197.2	-978.3	-1238064.2
44.	-741.5	-32168.3	154.2	1821647.5	-9597.9	-1443795.8
	-769.8	-32230.6	-30.4	1938266.8	-788.1	-1440904.6
50.	-741.5	-31717.6	154.2	1821703.6	-10561.9	-1643440.0
	-769.8	-31782.8	-30.4	1938355.0	-598.0	-1640946.5
Asta	271	nodì	118	156		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	-33431.0	-2437.0	-2306299.7	-19526.6	-2888071.5
	0.0	-33298.5	-2654.7	-2301361.4	-22166.4	-2783834.2
9.	0.0	-32972.7	-2437.0	-2305818.1	2013.6	-3181533.7
	0.0	-32850.5	-2654.7	-2300873.3	1298.4	-3076169.8
18.	0.0	-32519.2	-2437.0	-2305380.9	23553.6	-3470966.2
	0.0	-32408.1	-2654.7	-2300429.5	24763.0	-3364570.7
27.	0.0	-32070.2	-2437.0	-2304988.2	45093.5	-3756410.5
	0.0	-31971.1	-2654.7	-2300030.0	48227.5	-3649085.7
35.	0.0	-31625.2	-2437.0	-2304639.9	66633.5	-4037904.5
	0.0	-31539.1	-2654.7	-2299674.9	71692.1	-3929760.4
44.	0.0	-31183.6	-2437.0	-2304336.1	88173.8	-4315480.9
	0.0	-31111.2	-2654.8	-2299364.1	95157.0	-4206635.3
53.	0.0	-30744.4	-2437.1	-2304076.7	109714.6	-4589165.1
	0.0	-30686.7	-2654.9	-2299097.7	118622.5	-4479743.7
62.	0.0	-30306.4	-2437.2	-2303861.7	131256.0	-4858973.6
	0.0	-30264.3	-2654.9	-2298875.6	142088.6	-4749110.3
71.	0.0	-29868.4	-2437.2	-2303691.2	152797.8	-5124912.0
	0.0	-29842.9	-2655.0	-2298697.8	165555.2	-5014749.2
Asta	272	nodì	119	157		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1220.4	-22639.3	4180.6	1713215.0	-105040.1	126819.6
	-1219.6	-22668.0	3540.4	1609255.0	-113568.0	126758.1
6.	-1220.4	-22170.7	4182.8	1713120.2	-131175.6	-13208.8
	-1219.6	-22199.0	3542.2	1609143.3	-135701.2	-13448.5
13.	-1220.4	-21707.4	4185.2	1713041.9	-157325.3	-150325.0
	-1219.6	-21735.5	3544.3	1609047.1	-157846.5	-150741.2
19.	-1220.4	-21249.7	4187.9	1712980.2	-183491.1	-284563.1
	-1219.6	-21277.5	3546.6	1608966.4	-180005.5	-285154.0
25.	-1220.4	-20797.6	4190.9	1712935.0	-209674.8	-415957.9
	-1219.6	-20825.0	3549.2	1608901.2	-202179.9	-416721.5
31.	-1220.4	-20351.0	4194.2	1712906.2	-235878.3	-544544.2
	-1219.6	-20378.2	3552.1	1608851.5	-224371.6	-545478.6
38.	-1220.4	-19910.0	4197.9	1712894.0	-262103.5	-670356.9
	-1219.6	-19936.8	3555.3	1608817.3	-246582.2	-671459.9
44.	-1220.4	-19474.3	4201.7	1712898.4	-288352.1	-793430.0
	-1219.6	-19500.8	3558.7	1608798.6	-268813.5	-794699.6
50.	-1220.4	-19043.9	4205.9	1712919.2	-314625.8	-913796.8

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	-1219.6	-19070.0	3562.4	1608795.5	-291066.9	-915230.7
Asta	273	nodì	158	131		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	23693.0	6373.8	501105.8	220619.2	-3237391.6
	0.0	23725.7	6180.9	535524.4	207743.4	-3371705.6
9.	0.0	24132.3	6373.8	500917.9	164282.2	-3026034.6
	0.0	24184.7	6180.8	535319.8	153111.8	-3159971.8
18.	0.0	24576.1	6373.7	500739.5	107945.9	-2810775.6
	0.0	24647.2	6180.7	535125.5	98480.9	-2944166.5
27.	0.0	25025.3	6373.6	500570.9	51610.5	-2591570.6
	0.0	25114.0	6180.7	534941.5	43850.7	-2724254.7
35.	0.0	25480.7	6373.6	500411.9	-4724.4	-2368368.2
	0.0	25586.0	6180.6	534767.8	-10778.9	-2500194.1
44.	0.0	25942.8	6373.6	500262.5	-61059.3	-2141111.6
	0.0	26063.8	6180.7	534604.4	-65408.7	-2271936.5
53.	0.0	26412.0	6373.7	500122.8	-117394.7	-1909739.5
	0.0	26547.7	6180.8	534451.4	-120038.9	-2039429.3
62.	0.0	26888.5	6373.8	499992.7	-173731.1	-1674188.2
	0.0	27037.9	6180.9	534308.6	-174670.1	-1802616.9
71.	0.0	27372.3	6373.8	499872.3	-230068.2	-1434392.5
	0.0	27534.7	6180.9	534176.2	-229302.0	-1561442.3
Asta	274	nodì	162	133		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2033.5	22144.3	335.1	477533.2	3506.6	-3908622.9
	-1988.6	22287.1	234.9	687975.6	-4608.3	-3949424.1
9.	-2033.5	22525.8	335.1	477963.8	544.4	-3711211.9
	-1988.6	22679.6	234.9	688241.2	-6684.9	-3750701.7
18.	-2033.5	22914.3	335.1	478403.6	-2417.6	-3510398.9
	-1988.6	23078.3	234.9	688520.1	-8761.3	-3548483.5
27.	-2033.5	23310.8	335.0	478852.7	-5379.3	-3306117.3
	-1988.6	23484.3	234.9	688812.3	-10837.3	-3342709.8
35.	-2033.5	23716.2	335.0	479311.0	-8340.5	-3098292.1
	-1988.6	23898.4	234.8	689117.7	-12912.9	-3133312.2
44.	-2033.5	24131.2	334.9	479778.5	-11301.0	-2886841.7
	-1988.6	24321.4	234.7	689436.4	-14987.8	-2920215.7
53.	-2033.5	24556.3	334.8	480255.3	-14260.8	-2671678.7
	-1988.6	24753.7	234.6	689768.5	-17061.9	-2703339.4
62.	-2033.5	24992.0	334.7	480741.3	-17219.7	-2452711.8
	-1988.6	25195.9	234.5	690113.8	-19134.9	-2482598.5
71.	-2033.5	25438.4	334.6	481236.6	-20177.4	-2229847.0
	-1988.6	25648.1	234.3	690472.4	-21206.8	-2257905.4
Asta	275	nodì	161	134		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1756.2	21538.8	-182.9	-516565.0	2557.9	-3551792.6
	-1885.0	21748.6	-277.6	-596887.9	-2639.7	-3822212.6
9.	-1756.2	21907.5	-182.9	-516979.8	4174.6	-3359790.3
	-1885.0	22144.6	-277.5	-597161.9	-186.4	-3628233.6
18.	-1756.2	22283.6	-182.9	-517404.6	5791.2	-3164497.2
	-1885.0	22545.7	-277.5	-597447.5	2266.7	-3430732.5
27.	-1756.2	22668.2	-182.8	-517839.4	7407.5	-2965842.8
	-1885.0	22952.8	-277.5	-597744.6	4719.3	-3229660.3
35.	-1756.2	23062.0	-182.8	-518284.2	9023.3	-2763749.1
	-1885.0	23366.7	-277.4	-598053.2	7171.3	-3024960.3
44.	-1756.2	23465.6	-182.7	-518739.0	10638.6	-2558131.8
	-1885.0	23788.2	-277.3	-598373.4	9622.5	-2816568.6
53.	-1756.2	23879.5	-182.6	-519203.8	12253.2	-2348901.6
	-1885.0	24217.7	-277.1	-598705.1	12072.6	-2604416.4
62.	-1756.2	24304.1	-182.5	-519678.6	13867.0	-2135965.8
	-1885.0	24655.7	-277.0	-599048.4	14521.6	-2388430.6
71.	-1756.2	24739.5	-182.4	-520163.4	15479.7	-1919229.5
	-1885.0	25102.3	-276.8	-599403.1	16969.1	-2168535.5
Asta	276	nodì	160	136		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	21998.9	-5880.9	-1265942.5	-164206.4	-2620772.0
	0.0	21808.1	-5723.6	-769580.2	-160322.9	-2861034.4
9.	0.0	22381.9	-5880.8	-1265667.6	-112226.4	-2424637.8
	0.0	22235.6	-5723.5	-769588.2	-109733.4	-2666388.7
18.	0.0	22769.6	-5880.8	-1265417.2	-60247.0	-2225098.1
	0.0	22665.7	-5723.4	-769611.0	-59144.4	-2467953.7
27.	0.0	23162.7	-5880.7	-1265191.1	-8268.3	-2022108.3
	0.0	23099.2	-5723.4	-769648.7	-8556.1	-2265702.3
35.	0.0	23561.9	-5880.7	-1264989.5	43710.2	-1815617.3
	0.0	23536.8	-5723.4	-769701.2	42032.0	-2059601.2
44.	0.0	23967.5	-5880.7	-1264812.2	95688.9	-1605569.9
	0.0	23979.0	-5723.4	-769768.6	92620.2	-1849612.2
53.	0.0	24379.9	-5880.8	-1264659.3	147668.3	-1391907.4
	0.0	24426.1	-5723.5	-769850.8	143209.1	-1635693.3
62.	0.0	24799.2	-5881.0	-1264530.8	199648.6	-1174569.4
	0.0	24878.3	-5723.6	-769947.8	193799.0	-1417800.3
71.	0.0	25225.4	-5881.0	-1264426.7	251629.7	-953494.9
	0.0	25335.6	-5723.7	-770059.7	244389.5	-1195888.0
Asta	277	nodì	159	147		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2397.3	13725.2	-3431.2	-1352379.8	-312052.9	-658742.2
	-2394.3	13650.7	-755.9	-611989.8	-216940.8	-656399.9
6.	-2397.3	14104.1	-3427.5	-1352246.4	-290619.7	-571777.7
	-2394.3	14031.2	-754.3	-611992.1	-212221.5	-569896.0
13.	-2397.3	14487.2	-3424.0	-1352125.9	-269209.0	-482432.0
	-2394.3	14415.9	-753.0	-612000.4	-207511.3	-481001.0

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19.	-2397.3	14874.4	-3420.8	-1352018.6	-247819.3	-390679.4
	-2394.3	14804.7	-751.8	-612014.5	-202809.1	-389688.9
25.	-2397.3	15265.8	-3417.8	-1351924.2	-226448.9	-296493.6
	-2394.3	15197.8	-750.8	-612034.5	-198113.8	-295933.3
31.	-2397.3	15661.6	-3415.2	-1351842.9	-205095.9	-199847.6
	-2394.3	15595.2	-749.9	-612060.5	-193424.3	-199707.3
38.	-2397.3	16061.7	-3412.8	-1351774.6	-183758.5	-100714.6
	-2394.3	15997.0	-749.3	-612092.3	-188739.4	-100983.8
44.	-2397.3	16466.0	-3410.8	-1351719.4	-162434.9	932.1
	-2394.3	16403.0	-748.8	-612130.1	-184058.0	264.1
50.	-2397.3	16874.5	-3409.0	-1351677.2	-141123.3	105119.1
	-2394.3	16813.3	-748.6	-612173.7	-179378.8	104062.9
Asta	278	nodì	161	128		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	4909.8	-483.4	-573985.8	-49484.6	2476594.3
	0.0	3776.6	-493.9	-594405.4	-44849.2	2877608.7
51.	0.0	2641.6	-483.9	-573885.7	-24729.3	2671290.2
	0.0	1388.9	-494.5	-594518.3	-19555.9	3010845.2
102.	0.0	-17.2	-485.6	-574156.3	79.5	2740397.1
	0.0	-1305.7	-496.6	-595015.7	5805.6	3014571.9
154.	0.0	-3181.9	-488.9	-574797.5	25017.1	2660889.7
	0.0	-4434.7	-500.5	-595897.4	31322.5	2869730.4
205.	0.0	-6950.6	-493.7	-575809.3	50164.6	2404283.5
	0.0	-8105.8	-506.1	-597163.4	57083.9	2551239.4
256.	0.0	-11403.7	-499.6	-577191.8	75588.7	1937524.9
	0.0	-12407.2	-512.7	-598813.9	83159.9	2029003.1
307.	0.0	-16604.4	-505.6	-578944.9	101320.7	1223881.7
	0.0	-17407.3	-519.4	-600848.7	109580.8	1268919.7
358.	0.0	-22598.6	-510.5	-581068.5	127337.2	223833.0
	0.0	-23154.8	-524.7	-603267.8	136316.6	233889.7
410.	0.0	-29414.5	-512.5	-583562.9	153538.8	-1104040.4
	0.0	-29678.6	-527.0	-606071.4	163255.7	-1115175.7
Asta	279	nodì	162	129		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	-4597.2	-469.3	457160.8	-44436.3	-2758057.9
	0.0	-3639.6	-512.7	554316.6	-51093.6	-3048159.5
51.	0.0	-2256.8	-469.8	457284.3	-20403.5	-2934877.9
	0.0	-1260.1	-513.2	553970.1	-24836.5	-3174736.8
102.	0.0	474.8	-471.7	457703.4	3689.8	-2982443.2
	0.0	1463.5	-515.2	553981.0	1480.4	-3171301.7
154.	0.0	3723.2	-475.3	458418.3	27923.1	-2877430.2
	0.0	4665.6	-518.8	554349.1	27939.9	-3016709.9
205.	0.0	7595.3	-480.4	459428.9	52379.2	-2590563.5
	0.0	8459.7	-524.1	555074.5	54629.4	-2683473.6
256.	0.0	12179.0	-486.4	460735.2	77123.9	-2087582.9
	0.0	12938.6	-530.4	556157.1	81619.9	-2138818.8
307.	0.0	17543.4	-492.6	462337.2	102186.8	-1330209.6
	0.0	18174.8	-536.9	557597.1	108944.5	-1345742.3
358.	0.0	23738.6	-497.6	464234.9	127541.1	-277112.1
	0.0	24219.8	-542.2	559394.3	136576.7	-264069.1
410.	0.0	30795.9	-499.7	466428.3	153084.0	1115127.0
	0.0	31104.7	-544.4	561548.8	164408.8	1148490.5
Asta	280	nodì	163	164		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	1.4	18.2	0.0	-678.9	-1.1	-7678.4
	0.3	48.6	0.2	577.0	94.1	-20540.4
106.	1.4	18.2	0.0	-678.9	0.5	-5752.5
	0.3	48.6	0.2	577.0	73.7	-15399.9
212.	1.4	18.2	0.0	-678.9	2.2	-3826.5
	0.3	48.6	0.2	577.0	53.3	-10259.5
317.	1.4	18.2	0.0	-678.9	3.9	-1900.6
	0.3	48.6	0.2	577.0	32.9	-5119.0
423.	1.4	18.2	0.0	-678.9	5.5	25.4
	0.3	48.6	0.2	577.0	12.5	21.4
529.	1.4	18.2	0.0	-678.9	7.2	1951.3
	0.3	48.6	0.2	577.0	-7.9	5161.9
635.	1.4	18.2	0.0	-678.9	8.9	3877.3
	0.3	48.6	0.2	577.0	-28.3	10302.3
741.	1.4	18.2	0.0	-678.9	10.5	5803.2
	0.3	48.6	0.2	577.0	-48.6	15442.8
847.	1.4	18.2	0.0	-678.9	12.2	7729.2
	0.3	48.6	0.2	577.0	-69.0	20583.2
Asta	281	nodì	164	165		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	1.2	-25.1	-0.1	-599.8	-26.6	8563.0
	1.1	7.4	0.2	640.1	56.8	-2790.5
87.	1.2	-25.1	-0.1	-599.8	-21.2	6373.3
	1.1	7.4	0.2	640.1	41.2	-2142.4
175.	1.2	-25.1	-0.1	-599.8	-15.9	4183.6
	1.1	7.4	0.2	640.1	25.7	-1494.4
262.	1.2	-25.1	-0.1	-599.8	-10.5	1993.9
	1.1	7.4	0.2	640.1	10.1	-846.3
349.	1.2	-25.1	-0.1	-599.8	-5.1	-195.8
	1.1	7.4	0.2	640.1	-5.5	-198.3
437.	1.2	-25.1	-0.1	-599.8	0.2	-2385.5
	1.1	7.4	0.2	640.1	-21.1	449.8
524.	1.2	-25.1	-0.1	-599.8	5.6	-4575.2
	1.1	7.4	0.2	640.1	-36.7	1097.8
611.	1.2	-25.1	-0.1	-599.8	11.0	-6764.9
	1.1	7.4	0.2	640.1	-52.2	1745.9

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699.	1.2	-25.1	-0.1	-599.8	16.3	-8954.7
	1.1	7.4	0.2	640.1	-67.8	2393.9
Asta	282	nodì	165	166		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	1.6	-19.2	0.0	-608.2	-23.7	12071.2
	1.6	-9.6	0.0	627.7	22.1	6081.8
156.	1.6	-19.2	0.0	-608.2	-16.1	9080.5
	1.6	-9.6	0.0	627.7	18.4	4583.3
311.	1.6	-19.2	0.0	-608.2	-8.5	6089.8
	1.6	-9.6	0.0	627.7	14.6	3084.8
467.	1.6	-19.2	0.0	-608.2	-1.0	3099.1
	1.6	-9.6	0.0	627.7	10.9	1586.3
623.	1.6	-19.2	0.0	-608.2	6.6	108.4
	1.6	-9.6	0.0	627.7	7.1	87.8
778.	1.6	-19.2	0.0	-608.2	14.2	-2882.3
	1.6	-9.6	0.0	627.7	3.4	-1410.7
934.	1.6	-19.2	0.0	-608.2	21.8	-5873.0
	1.6	-9.6	0.0	627.7	-0.4	-2909.2
1089.	1.6	-19.2	0.0	-608.2	29.4	-8863.7
	1.6	-9.6	0.0	627.7	-4.1	-4407.7
1245.	1.6	-19.2	0.0	-608.2	37.0	-11854.4
	1.6	-9.6	0.0	627.7	-7.9	-5906.2
Asta	283	nodì	167	166		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.9	-167.5	-0.5	-2571.0	-171.8	55613.1
	-1.0	-156.2	-0.4	-1330.1	-157.5	51882.4
82.	-0.9	-167.5	-0.5	-2571.0	-134.7	41828.9
	-1.0	-156.2	-0.4	-1330.1	-128.2	39023.1
165.	-0.9	-167.5	-0.5	-2571.0	-97.6	28044.7
	-1.0	-156.2	-0.4	-1330.1	-98.9	26163.7
247.	-0.9	-167.5	-0.5	-2571.0	-60.5	14260.5
	-1.0	-156.2	-0.4	-1330.1	-69.5	13304.4
329.	-0.9	-167.5	-0.5	-2571.0	-23.5	476.3
	-1.0	-156.2	-0.4	-1330.1	-40.2	445.0
412.	-0.9	-167.5	-0.5	-2571.0	13.6	-13307.9
	-1.0	-156.2	-0.4	-1330.1	-10.8	-12414.4
494.	-0.9	-167.5	-0.5	-2571.0	50.7	-27092.1
	-1.0	-156.2	-0.4	-1330.1	18.5	-25273.7
576.	-0.9	-167.5	-0.5	-2571.0	87.8	-40876.4
	-1.0	-156.2	-0.4	-1330.1	47.8	-38133.1
659.	-0.9	-167.5	-0.5	-2571.0	124.9	-54660.6
	-1.0	-156.2	-0.4	-1330.1	77.2	-50992.4
Asta	284	nodì	168	167		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.8	-28.1	-0.1	1146.0	46.3	9631.1
	-0.8	-18.8	0.0	2383.0	91.1	6323.1
90.	-0.8	-28.1	-0.1	1146.0	50.9	7104.4
	-0.8	-18.8	0.0	2383.0	88.4	4630.6
180.	-0.8	-28.1	-0.1	1146.0	55.6	4577.7
	-0.8	-18.8	0.0	2383.0	85.7	2938.2
269.	-0.8	-28.1	-0.1	1146.0	60.2	2051.0
	-0.8	-18.8	0.0	2383.0	83.0	1245.7
359.	-0.8	-28.1	-0.1	1146.0	64.8	-475.7
	-0.8	-18.8	0.0	2383.0	80.2	-446.7
449.	-0.8	-28.1	-0.1	1146.0	69.5	-3002.4
	-0.8	-18.8	0.0	2383.0	77.5	-2139.2
539.	-0.8	-28.1	-0.1	1146.0	74.1	-5529.0
	-0.8	-18.8	0.0	2383.0	74.8	-3831.6
629.	-0.8	-28.1	-0.1	1146.0	78.7	-8055.7
	-0.8	-18.8	0.0	2383.0	72.1	-5524.1
719.	-0.8	-28.1	-0.1	1146.0	83.3	-10582.4
	-0.8	-18.8	0.0	2383.0	69.4	-7216.6
Asta	285	nodì	169	163		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.7	-200.1	0.5	4213.3	201.7	66217.7
	-0.5	-44.5	0.5	5450.1	182.7	14746.4
82.	-0.7	-200.1	0.5	4213.3	163.9	49744.8
	-0.5	-44.5	0.5	5450.1	139.9	11084.1
165.	-0.7	-200.1	0.5	4213.3	126.1	33271.9
	-0.5	-44.5	0.5	5450.1	97.2	7421.8
247.	-0.7	-200.1	0.5	4213.3	88.3	16798.9
	-0.5	-44.5	0.5	5450.1	54.5	3759.5
329.	-0.7	-200.1	0.5	4213.3	50.5	326.0
	-0.5	-44.5	0.5	5450.1	11.7	97.3
412.	-0.7	-200.1	0.5	4213.3	12.7	-16146.9
	-0.5	-44.5	0.5	5450.1	-31.0	-3565.0
494.	-0.7	-200.1	0.5	4213.3	-25.1	-32619.8
	-0.5	-44.5	0.5	5450.1	-73.8	-7227.3
576.	-0.7	-200.1	0.5	4213.3	-62.9	-49092.7
	-0.5	-44.5	0.5	5450.1	-116.5	-10889.6
659.	-0.7	-200.1	0.5	4213.3	-100.7	-65565.6
	-0.5	-44.5	0.5	5450.1	-159.3	-14551.9
Asta	286	nodì	170	169		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.3	-95.6	0.1	-5117.6	-28.4	34120.1
	-0.4	38.7	0.1	-3832.7	2.2	-13932.2
90.	0.3	-95.6	0.1	-5117.6	-41.0	25534.0
	-0.4	38.7	0.1	-3832.7	-10.8	-10457.7
180.	0.3	-95.6	0.1	-5117.6	-53.6	16948.0

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269.	-0.4	38.7	0.1	-3832.7	-23.8	-6983.3
	0.3	-95.6	0.1	-5117.6	-66.2	8362.0
359.	-0.4	38.7	0.1	-3832.7	-36.8	-3508.9
	0.3	-95.6	0.1	-5117.6	-78.8	-224.0
449.	-0.4	38.7	0.1	-3832.7	-49.8	-34.4
	0.3	-95.6	0.1	-5117.6	-91.4	-8810.1
539.	-0.4	38.7	0.1	-3832.7	-62.8	3440.0
	0.3	-95.6	0.1	-5117.6	-104.0	-17396.1
629.	-0.4	38.7	0.1	-3832.7	-75.8	6914.4
	0.3	-95.6	0.1	-5117.6	-116.6	-25982.1
719.	-0.4	38.7	0.1	-3832.7	-88.8	10388.9
	0.3	-95.6	0.1	-5117.6	-129.2	-34568.2
	-0.4	38.7	0.1	-3832.7	-101.8	13863.3
Asta	287	nodì	170	171		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.5	6.2	-0.2	-786.8	-99.3	-3009.8
	-0.9	-15.5	-0.1	471.3	-39.8	7387.6
120.	-1.5	6.2	-0.2	-786.8	-78.8	-2267.6
	-0.9	-15.5	-0.1	471.3	-33.2	5533.9
239.	-1.5	6.2	-0.2	-786.8	-58.3	-1525.4
	-0.9	-15.5	-0.1	471.3	-26.5	3680.3
359.	-1.5	6.2	-0.2	-786.8	-37.9	-783.2
	-0.9	-15.5	-0.1	471.3	-19.9	1826.7
479.	-1.5	6.2	-0.2	-786.8	-17.4	-41.0
	-0.9	-15.5	-0.1	471.3	-13.3	-27.0
598.	-1.5	6.2	-0.2	-786.8	3.1	701.1
	-0.9	-15.5	-0.1	471.3	-6.7	-1880.6
718.	-1.5	6.2	-0.2	-786.8	23.6	1443.3
	-0.9	-15.5	-0.1	471.3	0.0	-3734.2
837.	-1.5	6.2	-0.2	-786.8	44.1	2185.5
	-0.9	-15.5	-0.1	471.3	6.6	-5587.8
957.	-1.5	6.2	-0.2	-786.8	64.6	2927.7
	-0.9	-15.5	-0.1	471.3	13.2	-7441.5
Asta	288	nodì	172	168		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.5	14.4	0.1	-517.0	47.6	-7111.7
	-0.6	-2.8	0.2	725.0	100.5	1379.6
123.	-0.5	14.4	0.1	-517.0	31.0	-5331.7
	-0.6	-2.8	0.2	725.0	70.6	1040.4
247.	-0.5	14.4	0.1	-517.0	14.5	-3551.7
	-0.6	-2.8	0.2	725.0	40.6	701.2
370.	-0.5	14.4	0.1	-517.0	-2.1	-1771.7
	-0.6	-2.8	0.2	725.0	10.7	362.0
493.	-0.5	14.4	0.1	-517.0	-18.6	8.3
	-0.6	-2.8	0.2	725.0	-19.2	22.8
616.	-0.5	14.4	0.1	-517.0	-35.1	1788.3
	-0.6	-2.8	0.2	725.0	-49.2	-316.4
740.	-0.5	14.4	0.1	-517.0	-51.7	3568.3
	-0.6	-2.8	0.2	725.0	-79.1	-655.6
863.	-0.5	14.4	0.1	-517.0	-68.2	5348.3
	-0.6	-2.8	0.2	725.0	-109.1	-994.8
986.	-0.5	14.4	0.1	-517.0	-84.8	7128.3
	-0.6	-2.8	0.2	725.0	-139.0	-1334.1
Asta	289	nodì	2	163		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-12.6	2505.4	19.7	64131.8	207.0	-538695.7
	-3.0	3525.8	34.5	69232.9	-230.4	-562466.9
9.	-12.6	2505.4	19.7	64131.8	32.9	-516551.0
	-3.0	3525.8	34.5	69232.9	-535.7	-531302.9
18.	-12.6	2505.4	19.7	64131.8	-141.3	-494406.3
	-3.0	3525.8	34.5	69232.9	-841.0	-500138.9
27.	-12.6	2505.4	19.7	64131.8	-315.4	-472261.7
	-3.0	3525.8	34.5	69232.9	-1146.3	-468974.9
35.	-12.6	2505.4	19.7	64131.8	-489.6	-450117.0
	-3.0	3525.8	34.5	69232.9	-1451.6	-437810.9
44.	-12.6	2505.4	19.7	64131.8	-663.8	-427972.3
	-3.0	3525.8	34.5	69232.9	-1756.8	-406646.9
53.	-12.6	2505.4	19.7	64131.8	-837.9	-405827.7
	-3.0	3525.8	34.5	69232.9	-2062.1	-375482.9
62.	-12.6	2505.4	19.7	64131.8	-1012.1	-383683.0
	-3.0	3525.8	34.5	69232.9	-2367.4	-344318.9
71.	-12.6	2505.4	19.7	64131.8	-1186.2	-361538.3
	-3.0	3525.8	34.5	69232.9	-2672.7	-313155.0
Asta	290	nodì	6	164		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-4.3	-12529.8	-12.8	19957.0	86.1	101521.2
	-3.4	-11932.4	14.8	31917.5	-134.5	96770.6
6.	-4.3	-12529.8	-12.8	19957.0	166.2	23210.1
	-3.4	-11932.4	14.8	31917.5	-227.3	22193.0
13.	-4.3	-12529.8	-12.8	19957.0	246.4	-55101.1
	-3.4	-11932.4	14.8	31917.5	-320.1	-52384.6
19.	-4.3	-12529.8	-12.8	19957.0	326.6	-133412.2
	-3.4	-11932.4	14.8	31917.5	-412.9	-126962.1
25.	-4.3	-12529.8	-12.8	19957.0	406.7	-211723.3
	-3.4	-11932.4	14.8	31917.5	-505.7	-201539.7
31.	-4.3	-12529.8	-12.8	19957.0	486.9	-290034.5
	-3.4	-11932.4	14.8	31917.5	-598.5	-276117.2
38.	-4.3	-12529.8	-12.8	19957.0	567.0	-368345.6
	-3.4	-11932.4	14.8	31917.5	-691.3	-350694.8
44.	-4.3	-12529.8	-12.8	19957.0	647.2	-446656.7

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50.	-3.4	-11932.4	14.8	31917.5	-784.0	-425272.3
	-4.3	-12529.8	-12.8	19957.0	727.3	-524967.9
	-3.4	-11932.4	14.8	31917.5	-876.8	-499849.9
Asta	291	nodì	58	165		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-7.4	-11257.9	-0.6	159160.1	142.3	97441.6
	-7.1	-10909.6	30.5	170095.9	-72.4	94612.9
6.	-7.4	-11257.9	-0.6	159160.1	146.1	27080.0
	-7.1	-10909.6	30.5	170095.9	-262.9	26427.8
13.	-7.4	-11257.9	-0.6	159160.1	149.9	-43281.6
	-7.1	-10909.6	30.5	170095.9	-453.4	-41757.4
19.	-7.4	-11257.9	-0.6	159160.1	153.7	-113643.2
	-7.1	-10909.6	30.5	170095.9	-643.9	-109942.6
25.	-7.4	-11257.9	-0.6	159160.1	157.5	-184004.8
	-7.1	-10909.6	30.5	170095.9	-834.4	-178127.8
31.	-7.4	-11257.9	-0.6	159160.1	161.3	-254366.4
	-7.1	-10909.6	30.5	170095.9	-1024.9	-246312.9
38.	-7.4	-11257.9	-0.6	159160.1	165.1	-324728.0
	-7.1	-10909.6	30.5	170095.9	-1215.4	-314498.1
44.	-7.4	-11257.9	-0.6	159160.1	168.9	-395089.6
	-7.1	-10909.6	30.5	170095.9	-1405.9	-382683.3
50.	-7.4	-11257.9	-0.6	159160.1	172.7	-465451.2
	-7.1	-10909.6	30.5	170095.9	-1596.4	-450868.4
Asta	292	nodì	10	166		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-12.1	1074.9	-30.8	46646.6	94.2	-422320.4
	-11.4	1235.5	-12.3	50101.4	-153.5	-421570.1
9.	-12.1	1074.9	-30.8	46646.6	366.1	-412819.2
	-11.4	1235.5	-12.3	50101.4	-45.0	-410649.9
18.	-12.1	1074.9	-30.8	46646.6	638.0	-403318.0
	-11.4	1235.5	-12.3	50101.4	63.4	-399729.6
27.	-12.1	1074.9	-30.8	46646.6	909.9	-393816.9
	-11.4	1235.5	-12.3	50101.4	171.9	-388809.4
35.	-12.1	1074.9	-30.8	46646.6	1181.8	-384315.7
	-11.4	1235.5	-12.3	50101.4	280.4	-377889.2
44.	-12.1	1074.9	-30.8	46646.6	1453.6	-374814.5
	-11.4	1235.5	-12.3	50101.4	388.8	-366969.0
53.	-12.1	1074.9	-30.8	46646.6	1725.5	-365313.3
	-11.4	1235.5	-12.3	50101.4	497.3	-356048.7
62.	-12.1	1074.9	-30.8	46646.6	1997.4	-355812.2
	-11.4	1235.5	-12.3	50101.4	605.7	-345128.5
71.	-12.1	1074.9	-30.8	46646.6	2269.3	-346311.0
	-11.4	1235.5	-12.3	50101.4	714.2	-334208.3
Asta	293	nodì	12	167		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	2.6	-9000.7	-98.8	-188024.1	174.4	-477092.3
	2.6	-8985.6	-106.6	-190779.8	84.0	-477495.7
6.	2.6	-9000.7	-98.8	-188024.1	791.9	-533346.6
	2.6	-8985.6	-106.6	-190779.8	750.5	-533655.4
13.	2.6	-9000.7	-98.8	-188024.1	1409.4	-589601.0
	2.6	-8985.6	-106.6	-190779.8	1417.0	-589815.2
19.	2.6	-9000.7	-98.8	-188024.1	2026.9	-645855.3
	2.6	-8985.6	-106.6	-190779.8	2083.5	-645974.9
25.	2.6	-9000.7	-98.8	-188024.1	2644.3	-702109.7
	2.6	-8985.6	-106.6	-190779.8	2750.1	-702134.6
31.	2.6	-9000.7	-98.8	-188024.1	3261.8	-758364.0
	2.6	-8985.6	-106.6	-190779.8	3416.6	-758294.4
38.	2.6	-9000.7	-98.8	-188024.1	3879.3	-814618.4
	2.6	-8985.6	-106.6	-190779.8	4083.1	-814454.1
44.	2.6	-9000.7	-98.8	-188024.1	4496.8	-870872.7
	2.6	-8985.6	-106.6	-190779.8	4749.7	-870613.8
50.	2.6	-9000.7	-98.8	-188024.1	5114.3	-927127.1
	2.6	-8985.6	-106.6	-190779.8	5416.2	-926773.6
Asta	294	nodì	168	36		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.2	-610.6	50.9	179697.9	3486.2	-300089.1
	-0.6	-448.9	69.3	183547.1	5031.4	-312817.4
9.	-0.2	-610.6	50.9	179697.9	3035.9	-305485.8
	-0.6	-448.9	69.3	183547.1	4419.1	-316785.5
18.	-0.2	-610.6	50.9	179697.9	2585.6	-310882.5
	-0.6	-448.9	69.3	183547.1	3806.7	-320753.6
27.	-0.2	-610.6	50.9	179697.9	2135.4	-316279.3
	-0.6	-448.9	69.3	183547.1	3194.4	-324721.7
35.	-0.2	-610.6	50.9	179697.9	1685.1	-321676.0
	-0.6	-448.9	69.3	183547.1	2582.1	-328689.8
44.	-0.2	-610.6	50.9	179697.9	1234.8	-327072.8
	-0.6	-448.9	69.3	183547.1	1969.8	-332657.9
53.	-0.2	-610.6	50.9	179697.9	784.6	-332469.5
	-0.6	-448.9	69.3	183547.1	1357.5	-336626.0
62.	-0.2	-610.6	50.9	179697.9	334.3	-337866.3
	-0.6	-448.9	69.3	183547.1	745.2	-340594.1
71.	-0.2	-610.6	50.9	179697.9	-116.0	-343263.0
	-0.6	-448.9	69.3	183547.1	132.8	-344562.2
Asta	295	nodì	172	40		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-16.6	134.4	6.5	-162796.0	321.5	-423619.9
	-16.3	127.0	23.2	-151731.7	1749.3	-424599.4
9.	-16.6	134.4	6.5	-162796.0	263.9	-422432.0
	-16.3	127.0	23.2	-151731.7	1544.1	-423476.6

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18.	-16.6	134.4	6.5	-162796.0	206.3	-421244.1
	-16.3	127.0	23.2	-151731.7	1339.0	-422353.7
27.	-16.6	134.4	6.5	-162796.0	148.7	-420056.3
	-16.3	127.0	23.2	-151731.7	1133.9	-421230.9
35.	-16.6	134.4	6.5	-162796.0	91.2	-418868.4
	-16.3	127.0	23.2	-151731.7	928.8	-420108.1
44.	-16.6	134.4	6.5	-162796.0	33.6	-417680.5
	-16.3	127.0	23.2	-151731.7	723.7	-418985.2
53.	-16.6	134.4	6.5	-162796.0	-24.0	-416492.7
	-16.3	127.0	23.2	-151731.7	518.5	-417862.4
62.	-16.6	134.4	6.5	-162796.0	-81.6	-415304.8
	-16.3	127.0	23.2	-151731.7	313.4	-416739.5
71.	-16.6	134.4	6.5	-162796.0	-139.1	-414116.9
	-16.3	127.0	23.2	-151731.7	108.3	-415616.7
Asta	296	nodì	171	42		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-18.1	-130.3	-5.4	164910.7	-647.3	-391512.5
	-23.3	520.0	8.3	162546.9	563.3	-437623.6
9.	-18.1	-130.3	-5.4	164910.7	-599.5	-392664.6
	-23.3	520.0	8.3	162546.9	490.2	-433027.8
18.	-18.1	-130.3	-5.4	164910.7	-551.7	-393816.8
	-23.3	520.0	8.3	162546.9	417.1	-428432.0
27.	-18.1	-130.3	-5.4	164910.7	-503.8	-394968.9
	-23.3	520.0	8.3	162546.9	343.9	-423836.1
35.	-18.1	-130.3	-5.4	164910.7	-456.0	-396121.0
	-23.3	520.0	8.3	162546.9	270.8	-419240.3
44.	-18.1	-130.3	-5.4	164910.7	-408.1	-397273.1
	-23.3	520.0	8.3	162546.9	197.7	-414644.5
53.	-18.1	-130.3	-5.4	164910.7	-360.3	-398425.2
	-23.3	520.0	8.3	162546.9	124.6	-410048.7
62.	-18.1	-130.3	-5.4	164910.7	-312.5	-399577.3
	-23.3	520.0	8.3	162546.9	51.4	-405452.8
71.	-18.1	-130.3	-5.4	164910.7	-264.6	-400729.5
	-23.3	520.0	8.3	162546.9	-21.7	-400857.0
Asta	297	nodì	170	46		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	2.8	-1957.2	-48.6	34654.1	-3320.5	-263333.8
	1.4	-1406.6	-31.5	57377.6	-1798.4	-301338.5
9.	2.8	-1957.2	-48.6	34654.1	-2890.9	-280633.7
	1.4	-1406.6	-31.5	57377.6	-1519.6	-313771.4
18.	2.8	-1957.2	-48.6	34654.1	-2461.2	-297933.5
	1.4	-1406.6	-31.5	57377.6	-1240.9	-326204.3
27.	2.8	-1957.2	-48.6	34654.1	-2031.6	-315233.3
	1.4	-1406.6	-31.5	57377.6	-962.1	-338637.3
35.	2.8	-1957.2	-48.6	34654.1	-1602.0	-332533.1
	1.4	-1406.6	-31.5	57377.6	-683.3	-351070.2
44.	2.8	-1957.2	-48.6	34654.1	-1172.4	-349832.9
	1.4	-1406.6	-31.5	57377.6	-404.6	-363503.1
53.	2.8	-1957.2	-48.6	34654.1	-742.8	-367132.7
	1.4	-1406.6	-31.5	57377.6	-125.8	-375936.0
62.	2.8	-1957.2	-48.6	34654.1	-313.2	-384432.5
	1.4	-1406.6	-31.5	57377.6	152.9	-388368.9
71.	2.8	-1957.2	-48.6	34654.1	116.4	-401732.3
	1.4	-1406.6	-31.5	57377.6	431.7	-400801.8
Asta	298	nodì	169	111		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	5.8	20608.0	178.5	-50271.1	6184.0	-1442376.6
	6.4	20517.7	135.2	4427.8	3912.5	-1434249.3
6.	5.8	20608.0	178.5	-50271.1	5068.4	-1313576.9
	6.4	20517.7	135.2	4427.8	3067.3	-1306013.5
13.	5.8	20608.0	178.5	-50271.1	3952.8	-1184777.2
	6.4	20517.7	135.2	4427.8	2222.1	-1177777.7
19.	5.8	20608.0	178.5	-50271.1	2837.2	-1055977.5
	6.4	20517.7	135.2	4427.8	1376.9	-1049541.9
25.	5.8	20608.0	178.5	-50271.1	1721.7	-927177.8
	6.4	20517.7	135.2	4427.8	531.7	-921306.1
31.	5.8	20608.0	178.5	-50271.1	606.1	-798378.1
	6.4	20517.7	135.2	4427.8	-313.5	-793070.2
38.	5.8	20608.0	178.5	-50271.1	-509.5	-669578.4
	6.4	20517.7	135.2	4427.8	-1158.7	-664834.4
44.	5.8	20608.0	178.5	-50271.1	-1625.0	-540778.7
	6.4	20517.7	135.2	4427.8	-2003.9	-536598.6
50.	5.8	20608.0	178.5	-50271.1	-2740.6	-411979.0
	6.4	20517.7	135.2	4427.8	-2849.1	-408362.8
Asta	322	nodì	187	188		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.7	14.4	-1.5	-834.8	-626.6	-5879.2
	-1.2	45.4	1.4	443.2	606.8	-18996.7
106.	-0.7	14.4	-1.5	-834.8	-470.0	-4355.3
	-1.2	45.4	1.4	443.2	456.4	-14191.2
212.	-0.7	14.4	-1.5	-834.8	-313.3	-2831.4
	-1.2	45.4	1.4	443.2	306.0	-9385.8
317.	-0.7	14.4	-1.5	-834.8	-156.7	-1307.5
	-1.2	45.4	1.4	443.2	155.6	-4580.4
423.	-0.7	14.4	-1.5	-834.8	0.0	216.4
	-1.2	45.4	1.4	443.2	5.1	225.1
529.	-0.7	14.4	-1.5	-834.8	156.6	1740.4
	-1.2	45.4	1.4	443.2	-145.3	5030.5
635.	-0.7	14.4	-1.5	-834.8	313.2	3264.3
	-1.2	45.4	1.4	443.2	-295.7	9835.9

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741.	-0.7	14.4	-1.5	-834.8	469.9	4788.2
	-1.2	45.4	1.4	443.2	-446.2	14641.3
847.	-0.7	14.4	-1.5	-834.8	626.5	6312.1
	-1.2	45.4	1.4	443.2	-596.6	19446.8
Asta	323	nod	188	189		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.3	-27.8	-2.1	-652.0	-749.0	9726.5
	-1.2	5.9	2.1	666.9	714.7	-2047.7
87.	-1.3	-27.8	-2.1	-652.0	-562.0	7297.2
	-1.2	5.9	2.1	666.9	535.5	-1531.4
175.	-1.3	-27.8	-2.1	-652.0	-374.9	4867.9
	-1.2	5.9	2.1	666.9	356.3	-1015.2
262.	-1.3	-27.8	-2.1	-652.0	-187.9	2438.6
	-1.2	5.9	2.1	666.9	177.0	-498.9
349.	-1.3	-27.8	-2.1	-652.0	-0.8	9.3
	-1.2	5.9	2.1	666.9	-2.2	17.4
437.	-1.3	-27.8	-2.1	-652.0	186.2	-2420.0
	-1.2	5.9	2.1	666.9	-181.4	533.6
524.	-1.3	-27.8	-2.1	-652.0	373.3	-4849.3
	-1.2	5.9	2.1	666.9	-360.7	1049.9
611.	-1.3	-27.8	-2.1	-652.0	560.3	-7278.5
	-1.2	5.9	2.1	666.9	-539.9	1566.1
699.	-1.3	-27.8	-2.1	-652.0	747.4	-9707.8
	-1.2	5.9	2.1	666.9	-719.1	2082.4
Asta	324	nod	189	190		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.2	-19.0	-0.7	-590.6	-425.0	12074.3
	-0.9	-8.9	0.7	731.9	408.9	5764.1
156.	-1.2	-19.0	-0.7	-590.6	-318.2	9114.0
	-0.9	-8.9	0.7	731.9	307.0	4383.7
311.	-1.2	-19.0	-0.7	-590.6	-211.5	6153.8
	-0.9	-8.9	0.7	731.9	205.1	3003.4
467.	-1.2	-19.0	-0.7	-590.6	-104.7	3193.5
	-0.9	-8.9	0.7	731.9	103.2	1623.0
623.	-1.2	-19.0	-0.7	-590.6	2.0	233.2
	-0.9	-8.9	0.7	731.9	1.3	242.7
778.	-1.2	-19.0	-0.7	-590.6	108.8	-2727.0
	-0.9	-8.9	0.7	731.9	-100.6	-1137.7
934.	-1.2	-19.0	-0.7	-590.6	215.5	-5687.3
	-0.9	-8.9	0.7	731.9	-202.5	-2518.1
1089.	-1.2	-19.0	-0.7	-590.6	322.3	-8647.6
	-0.9	-8.9	0.7	731.9	-304.3	-3898.4
1245.	-1.2	-19.0	-0.7	-590.6	429.0	-11607.8
	-0.9	-8.9	0.7	731.9	-406.2	-5278.8
Asta	325	nod	93	189		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3.0	-11579.9	-319.9	175952.7	53.6	69536.7
	-2.0	-11253.0	309.8	187190.7	-69.0	67743.7
6.	-3.0	-11579.9	-319.9	175952.7	2052.9	-2837.9
	-2.0	-11253.0	309.8	187190.7	-2005.0	-2587.8
13.	-3.0	-11579.9	-319.9	175952.7	4052.3	-75212.5
	-2.0	-11253.0	309.8	187190.7	-3941.0	-72919.3
19.	-3.0	-11579.9	-319.9	175952.7	6051.6	-147587.1
	-2.0	-11253.0	309.8	187190.7	-5877.1	-143250.8
25.	-3.0	-11579.9	-319.9	175952.7	8051.0	-219961.8
	-2.0	-11253.0	309.8	187190.7	-7813.1	-213582.3
31.	-3.0	-11579.9	-319.9	175952.7	10050.3	-292336.4
	-2.0	-11253.0	309.8	187190.7	-9749.1	-283913.8
38.	-3.0	-11579.9	-319.9	175952.7	12049.7	-364711.0
	-2.0	-11253.0	309.8	187190.7	-11685.1	-354245.2
44.	-3.0	-11579.9	-319.9	175952.7	14049.1	-437085.6
	-2.0	-11253.0	309.8	187190.7	-13621.1	-424576.7
50.	-3.0	-11579.9	-319.9	175952.7	16048.4	-509460.2
	-2.0	-11253.0	309.8	187190.7	-15557.1	-494908.2
Asta	326	nod	67	188		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-5.0	-13010.1	-322.1	98746.9	-80.2	71767.4
	-3.0	-12495.4	306.6	111000.4	94.6	70753.7
6.	-5.0	-13010.1	-322.1	98746.9	1933.0	-9545.6
	-3.0	-12495.4	306.6	111000.4	-1821.8	-7342.7
13.	-5.0	-13010.1	-322.1	98746.9	3946.3	-90858.6
	-3.0	-12495.4	306.6	111000.4	-3738.2	-85439.1
19.	-5.0	-13010.1	-322.1	98746.9	5959.5	-172171.5
	-3.0	-12495.4	306.6	111000.4	-5654.5	-163535.5
25.	-5.0	-13010.1	-322.1	98746.9	7972.7	-253484.5
	-3.0	-12495.4	306.6	111000.4	-7570.9	-241631.8
31.	-5.0	-13010.1	-322.1	98746.9	9985.9	-334797.5
	-3.0	-12495.4	306.6	111000.4	-9487.3	-319728.2
38.	-5.0	-13010.1	-322.1	98746.9	11999.2	-416110.5
	-3.0	-12495.4	306.6	111000.4	-11403.6	-397824.6
44.	-5.0	-13010.1	-322.1	98746.9	14012.4	-497423.5
	-3.0	-12495.4	306.6	111000.4	-13320.0	-475921.0
50.	-5.0	-13010.1	-322.1	98746.9	16025.6	-578736.4
	-3.0	-12495.4	306.6	111000.4	-15236.4	-554017.3
Asta	327	nod	65	187		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2.7	-2881.7	-224.0	186255.1	-918.7	-300569.4
	3.3	-3524.4	219.8	266376.7	808.1	-229569.8
9.	-2.7	-2881.7	-224.0	186255.1	1061.6	-326040.1

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18.	3.3	-3524.4	219.8	266376.7	-1134.7	-260721.7
	-2.7	-2881.7	-224.0	186255.1	3041.8	-351510.7
27.	3.3	-3524.4	219.8	266376.7	-3077.5	-291873.5
	-2.7	-2881.7	-224.0	186255.1	5022.1	-376981.3
35.	3.3	-3524.4	219.8	266376.7	-5020.2	-323025.4
	-2.7	-2881.7	-224.0	186255.1	7002.3	-402451.9
44.	3.3	-3524.4	219.8	266376.7	-6963.0	-354177.3
	-2.7	-2881.7	-224.0	186255.1	8982.6	-427922.5
53.	3.3	-3524.4	219.8	266376.7	-8905.7	-385329.1
	-2.7	-2881.7	-224.0	186255.1	10962.8	-453393.1
62.	3.3	-3524.4	219.8	266376.7	-10848.5	-416481.0
	-2.7	-2881.7	-224.0	186255.1	12943.1	-478863.7
71.	3.3	-3524.4	219.8	266376.7	-12791.3	-447632.9
	-2.7	-2881.7	-224.0	186255.1	14923.3	-504334.3
	3.3	-3524.4	219.8	266376.7	-14734.0	-478784.8
Asta	328	odi	191	187		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.7	-194.8	-1.8	8898.3	-512.7	63910.1
	0.0	-35.3	1.9	10118.0	553.5	11566.4
82.	-0.7	-194.8	-1.8	8898.3	-367.0	47876.7
	0.0	-35.3	1.9	10118.0	399.9	8659.8
165.	-0.7	-194.8	-1.8	8898.3	-221.3	31843.4
	0.0	-35.3	1.9	10118.0	246.4	5753.1
247.	-0.7	-194.8	-1.8	8898.3	-75.6	15810.0
	0.0	-35.3	1.9	10118.0	92.8	2846.5
329.	-0.7	-194.8	-1.8	8898.3	70.1	-223.4
	0.0	-35.3	1.9	10118.0	-60.7	-60.2
412.	-0.7	-194.8	-1.8	8898.3	215.8	-16256.7
	0.0	-35.3	1.9	10118.0	-214.3	-2966.8
494.	-0.7	-194.8	-1.8	8898.3	361.5	-32290.1
	0.0	-35.3	1.9	10118.0	-367.8	-5873.5
576.	-0.7	-194.8	-1.8	8898.3	507.2	-48323.5
	0.0	-35.3	1.9	10118.0	-521.4	-8780.1
659.	-0.7	-194.8	-1.8	8898.3	652.9	-64356.9
	0.0	-35.3	1.9	10118.0	-674.9	-11686.8
Asta	329	odi	191	108		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-13.9	11465.9	-134.8	-132450.0	-8041.9	-1087483.7
	-13.5	11350.7	159.2	-85620.5	8964.3	-1079902.2
6.	-13.9	11465.9	-134.8	-132450.0	-7199.4	-1015822.1
	-13.5	11350.7	159.2	-85620.5	7969.3	-1008960.2
13.	-13.9	11465.9	-134.8	-132450.0	-6356.9	-944160.5
	-13.5	11350.7	159.2	-85620.5	6974.3	-938018.1
19.	-13.9	11465.9	-134.8	-132450.0	-5514.4	-872499.0
	-13.5	11350.7	159.2	-85620.5	5979.3	-867076.1
25.	-13.9	11465.9	-134.8	-132450.0	-4671.9	-800837.4
	-13.5	11350.7	159.2	-85620.5	4984.4	-796134.0
31.	-13.9	11465.9	-134.8	-132450.0	-3829.4	-729175.8
	-13.5	11350.7	159.2	-85620.5	3989.4	-725192.0
38.	-13.9	11465.9	-134.8	-132450.0	-2986.9	-657514.3
	-13.5	11350.7	159.2	-85620.5	2994.4	-654249.9
44.	-13.9	11465.9	-134.8	-132450.0	-2144.3	-585852.7
	-13.5	11350.7	159.2	-85620.5	1999.5	-583307.9
50.	-13.9	11465.9	-134.8	-132450.0	-1301.8	-514191.1
	-13.5	11350.7	159.2	-85620.5	1004.5	-512365.9
Asta	330	odi	192	191		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	-89.7	-1.5	-9505.6	-617.7	32736.1
	-0.6	47.7	1.4	-8123.0	557.6	-16779.9
90.	0.0	-89.7	-1.5	-9505.6	-479.7	24680.2
	-0.6	47.7	1.4	-8123.0	428.7	-12498.5
180.	0.0	-89.7	-1.5	-9505.6	-341.8	16624.2
	-0.6	47.7	1.4	-8123.0	299.8	-8217.0
269.	0.0	-89.7	-1.5	-9505.6	-203.8	8568.3
	-0.6	47.7	1.4	-8123.0	170.9	-3935.6
359.	0.0	-89.7	-1.5	-9505.6	-65.8	512.4
	-0.6	47.7	1.4	-8123.0	42.1	345.8
449.	0.0	-89.7	-1.5	-9505.6	72.2	-7543.5
	-0.6	47.7	1.4	-8123.0	-86.8	4627.2
539.	0.0	-89.7	-1.5	-9505.6	210.2	-15599.5
	-0.6	47.7	1.4	-8123.0	-215.7	8908.7
629.	0.0	-89.7	-1.5	-9505.6	348.2	-23655.4
	-0.6	47.7	1.4	-8123.0	-344.6	13190.1
719.	0.0	-89.7	-1.5	-9505.6	486.2	-31711.3
	-0.6	47.7	1.4	-8123.0	-473.5	17471.5
Asta	331	odi	192	87		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1.2	1683.3	-232.3	-128696.5	-15498.0	-376178.0
	-1.7	2150.3	198.9	-103540.0	13254.1	-412776.1
9.	-1.2	1683.3	-232.3	-128696.5	-13445.1	-361299.6
	-1.7	2150.3	198.9	-103540.0	11496.4	-393769.5
18.	-1.2	1683.3	-232.3	-128696.5	-11392.1	-346421.2
	-1.7	2150.3	198.9	-103540.0	9738.6	-374762.9
27.	-1.2	1683.3	-232.3	-128696.5	-9339.2	-331542.8
	-1.7	2150.3	198.9	-103540.0	7980.8	-355756.3
35.	-1.2	1683.3	-232.3	-128696.5	-7286.3	-316664.5
	-1.7	2150.3	198.9	-103540.0	6223.1	-336749.7
44.	-1.2	1683.3	-232.3	-128696.5	-5233.3	-301786.1
	-1.7	2150.3	198.9	-103540.0	4465.3	-317743.2
53.	-1.2	1683.3	-232.3	-128696.5	-3180.4	-286907.7

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62.	-1.7	2150.3	198.9	-103540.0	2707.6	-298736.6
	-1.2	1683.3	-232.3	-128696.5	-1127.4	-272029.4
	-1.7	2150.3	198.9	-103540.0	949.8	-279730.0
71.	-1.2	1683.3	-232.3	-128696.5	925.5	-257151.0
	-1.7	2150.3	198.9	-103540.0	-808.0	-260723.4
Asta	332	nodì	192	193		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.3	6.7	-1.2	-640.4	-554.8	-2699.2
	-0.2	-15.7	1.0	656.8	491.3	8053.5
120.	-0.3	6.7	-1.2	-640.4	-417.1	-1894.8
	-0.2	-15.7	1.0	656.8	367.8	6176.3
239.	-0.3	6.7	-1.2	-640.4	-279.3	-1090.3
	-0.2	-15.7	1.0	656.8	244.4	4299.1
359.	-0.3	6.7	-1.2	-640.4	-141.6	-285.9
	-0.2	-15.7	1.0	656.8	121.0	2421.8
479.	-0.3	6.7	-1.2	-640.4	-3.8	518.5
	-0.2	-15.7	1.0	656.8	-2.4	544.6
598.	-0.3	6.7	-1.2	-640.4	133.9	1322.9
	-0.2	-15.7	1.0	656.8	-125.8	-1332.6
718.	-0.3	6.7	-1.2	-640.4	271.7	2127.3
	-0.2	-15.7	1.0	656.8	-249.2	-3209.8
837.	-0.3	6.7	-1.2	-640.4	409.4	2931.7
	-0.2	-15.7	1.0	656.8	-372.6	-5087.1
957.	-0.3	6.7	-1.2	-640.4	547.2	3736.2
	-0.2	-15.7	1.0	656.8	-496.1	-6964.3
Asta	333	nodì	193	85		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.2	2424.9	-221.9	221747.2	-14823.4	-479282.1
	-3.8	2989.0	206.7	218085.0	13798.1	-524338.4
9.	-0.2	2424.9	-221.9	221747.2	-12862.2	-457849.0
	-3.8	2989.0	206.7	218085.0	11971.1	-497919.3
18.	-0.2	2424.9	-221.9	221747.2	-10901.0	-436415.9
	-3.8	2989.0	206.7	218085.0	10144.1	-471500.2
27.	-0.2	2424.9	-221.9	221747.2	-8939.9	-414982.9
	-3.8	2989.0	206.7	218085.0	8317.1	-445081.1
35.	-0.2	2424.9	-221.9	221747.2	-6978.7	-393549.8
	-3.8	2989.0	206.7	218085.0	6490.1	-418662.1
44.	-0.2	2424.9	-221.9	221747.2	-5017.5	-372116.7
	-3.8	2989.0	206.7	218085.0	4663.1	-392243.0
53.	-0.2	2424.9	-221.9	221747.2	-3056.3	-350683.7
	-3.8	2989.0	206.7	218085.0	2836.1	-365823.9
62.	-0.2	2424.9	-221.9	221747.2	-1095.1	-329250.6
	-3.8	2989.0	206.7	218085.0	1009.0	-339404.8
71.	-0.2	2424.9	-221.9	221747.2	866.0	-307817.5
	-3.8	2989.0	206.7	218085.0	-818.0	-312985.7
Asta	334	nodì	194	84		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.2	2802.1	-215.6	-224492.4	-14407.2	-511189.3
	-0.4	2812.3	213.9	-212666.1	14305.6	-513410.7
9.	0.2	2802.1	-215.6	-224492.4	-12501.4	-486421.7
	-0.4	2812.3	213.9	-212666.1	12414.5	-488553.7
18.	0.2	2802.1	-215.6	-224492.4	-10595.5	-461654.1
	-0.4	2812.3	213.9	-212666.1	10523.5	-463696.7
27.	0.2	2802.1	-215.6	-224492.4	-8689.7	-436886.4
	-0.4	2812.3	213.9	-212666.1	8632.5	-438839.6
35.	0.2	2802.1	-215.6	-224492.4	-6783.8	-412118.8
	-0.4	2812.3	213.9	-212666.1	6741.4	-413982.6
44.	0.2	2802.1	-215.6	-224492.4	-4878.0	-387351.2
	-0.4	2812.3	213.9	-212666.1	4850.4	-389125.6
53.	0.2	2802.1	-215.6	-224492.4	-2972.1	-362583.6
	-0.4	2812.3	213.9	-212666.1	2959.4	-364268.6
62.	0.2	2802.1	-215.6	-224492.4	-1066.3	-337816.0
	-0.4	2812.3	213.9	-212666.1	1068.3	-339411.6
71.	0.2	2802.1	-215.6	-224492.4	839.5	-313048.4
	-0.4	2812.3	213.9	-212666.1	-822.7	-314554.6
Asta	335	nodì	194	195		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.6	13.9	-1.0	-736.9	-504.9	-6319.5
	-0.8	-4.1	1.1	584.1	518.7	2551.9
123.	-0.6	13.9	-1.0	-736.9	-379.0	-4600.8
	-0.8	-4.1	1.1	584.1	387.0	2050.8
247.	-0.6	13.9	-1.0	-736.9	-253.1	-2882.1
	-0.8	-4.1	1.1	584.1	255.3	1549.7
370.	-0.6	13.9	-1.0	-736.9	-127.2	-1163.4
	-0.8	-4.1	1.1	584.1	123.6	1048.6
493.	-0.6	13.9	-1.0	-736.9	-1.2	555.4
	-0.8	-4.1	1.1	584.1	-8.1	547.6
616.	-0.6	13.9	-1.0	-736.9	124.7	2274.1
	-0.8	-4.1	1.1	584.1	-139.7	46.5
740.	-0.6	13.9	-1.0	-736.9	250.6	3992.8
	-0.8	-4.1	1.1	584.1	-271.4	-454.6
863.	-0.6	13.9	-1.0	-736.9	376.5	5711.5
	-0.8	-4.1	1.1	584.1	-403.1	-955.7
986.	-0.6	13.9	-1.0	-736.9	502.4	7430.2
	-0.8	-4.1	1.1	584.1	-534.8	-1456.8
Asta	336	nodì	195	82		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.7	1970.6	-211.9	240595.3	-14179.1	-391226.0
	-0.9	2107.1	231.5	244781.3	15602.0	-403335.4

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9.	-0.7	1970.6	-211.9	240595.3	-12306.2	-373808.1
	-0.9	2107.1	231.5	244781.3	13556.0	-384711.2
18.	-0.7	1970.6	-211.9	240595.3	-10433.3	-356390.2
	-0.9	2107.1	231.5	244781.3	11510.0	-366087.1
27.	-0.7	1970.6	-211.9	240595.3	-8560.4	-338972.2
	-0.9	2107.1	231.5	244781.3	9464.0	-347462.9
35.	-0.7	1970.6	-211.9	240595.3	-6687.4	-321554.3
	-0.9	2107.1	231.5	244781.3	7418.0	-328838.8
44.	-0.7	1970.6	-211.9	240595.3	-4814.5	-304136.4
	-0.9	2107.1	231.5	244781.3	5372.0	-310214.6
53.	-0.7	1970.6	-211.9	240595.3	-2941.6	-286718.5
	-0.9	2107.1	231.5	244781.3	3326.0	-291590.5
62.	-0.7	1970.6	-211.9	240595.3	-1068.7	-269300.5
	-0.9	2107.1	231.5	244781.3	1280.0	-272966.3
71.	-0.7	1970.6	-211.9	240595.3	804.3	-251882.6
	-0.9	2107.1	231.5	244781.3	-766.0	-254342.2
Asta	337	nodì	195	196		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.2	-18.5	-1.5	6219.5	-594.6	6980.8
	-0.2	-10.3	1.5	7529.2	617.5	4026.1
90.	-0.2	-18.5	-1.5	6219.5	-456.9	5320.2
	-0.2	-10.3	1.5	7529.2	480.3	3099.6
180.	-0.2	-18.5	-1.5	6219.5	-319.2	3659.5
	-0.2	-10.3	1.5	7529.2	343.0	2173.2
269.	-0.2	-18.5	-1.5	6219.5	-181.5	1998.8
	-0.2	-10.3	1.5	7529.2	205.7	1246.7
359.	-0.2	-18.5	-1.5	6219.5	-43.8	338.2
	-0.2	-10.3	1.5	7529.2	68.4	320.2
449.	-0.2	-18.5	-1.5	6219.5	93.9	-1322.5
	-0.2	-10.3	1.5	7529.2	-68.8	-606.3
539.	-0.2	-18.5	-1.5	6219.5	231.6	-2983.2
	-0.2	-10.3	1.5	7529.2	-206.1	-1532.8
629.	-0.2	-18.5	-1.5	6219.5	369.3	-4643.9
	-0.2	-10.3	1.5	7529.2	-343.4	-2459.3
719.	-0.2	-18.5	-1.5	6219.5	507.0	-6304.5
	-0.2	-10.3	1.5	7529.2	-480.6	-3385.8
Asta	338	nodì	70	196		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-9.1	-5601.1	-178.6	6633.1	489.3	-497402.7
	-9.0	-5578.8	149.7	5345.2	-233.2	-497936.8
6.	-9.1	-5601.1	-178.6	6633.1	1605.8	-532409.8
	-9.0	-5578.8	149.7	5345.2	-1168.7	-532804.0
13.	-9.1	-5601.1	-178.6	6633.1	2722.3	-567416.9
	-9.0	-5578.8	149.7	5345.2	-2104.3	-567671.3
19.	-9.1	-5601.1	-178.6	6633.1	3838.8	-602424.0
	-9.0	-5578.8	149.7	5345.2	-3039.8	-602538.6
25.	-9.1	-5601.1	-178.6	6633.1	4955.4	-637431.2
	-9.0	-5578.8	149.7	5345.2	-3975.3	-637405.9
31.	-9.1	-5601.1	-178.6	6633.1	6071.9	-672438.3
	-9.0	-5578.8	149.7	5345.2	-4910.9	-672273.2
38.	-9.1	-5601.1	-178.6	6633.1	7188.4	-707445.4
	-9.0	-5578.8	149.7	5345.2	-5846.4	-707140.5
44.	-9.1	-5601.1	-178.6	6633.1	8304.9	-742452.5
	-9.0	-5578.8	149.7	5345.2	-6781.9	-742007.7
50.	-9.1	-5601.1	-178.6	6633.1	9421.4	-777459.6
	-9.0	-5578.8	149.7	5345.2	-7717.5	-776875.0
Asta	339	nodì	196	190		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.4	-154.4	-2.0	-8210.7	-583.7	50761.2
	-0.6	-144.4	1.7	-6892.9	491.8	47515.9
82.	-0.4	-154.4	-2.0	-8210.7	-423.0	38055.8
	-0.6	-144.4	1.7	-6892.9	352.8	35626.7
165.	-0.4	-154.4	-2.0	-8210.7	-262.4	25350.5
	-0.6	-144.4	1.7	-6892.9	213.8	23737.4
247.	-0.4	-154.4	-2.0	-8210.7	-101.7	12645.1
	-0.6	-144.4	1.7	-6892.9	74.8	11848.2
329.	-0.4	-154.4	-2.0	-8210.7	58.9	-60.3
	-0.6	-144.4	1.7	-6892.9	-64.1	-41.0
412.	-0.4	-154.4	-2.0	-8210.7	219.6	-12765.7
	-0.6	-144.4	1.7	-6892.9	-203.1	-11930.2
494.	-0.4	-154.4	-2.0	-8210.7	380.2	-25471.0
	-0.6	-144.4	1.7	-6892.9	-342.1	-23819.4
576.	-0.4	-154.4	-2.0	-8210.7	540.9	-38176.4
	-0.6	-144.4	1.7	-6892.9	-481.0	-35708.6
659.	-0.4	-154.4	-2.0	-8210.7	701.5	-50881.8
	-0.6	-144.4	1.7	-6892.9	-620.0	-47597.8
Asta	340	nodì	69	190		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	1.9	-4124.7	-231.4	-129415.3	-872.3	-167882.7
	1.0	-3987.4	215.1	-125631.2	850.6	-165776.5
9.	1.9	-4124.7	-231.4	-129415.3	1173.1	-204340.1
	1.0	-3987.4	215.1	-125631.2	-1050.4	-201020.1
18.	1.9	-4124.7	-231.4	-129415.3	3218.5	-240797.5
	1.0	-3987.4	215.1	-125631.2	-2951.3	-236263.7
27.	1.9	-4124.7	-231.4	-129415.3	5263.9	-277254.9
	1.0	-3987.4	215.1	-125631.2	-4852.3	-271507.2
35.	1.9	-4124.7	-231.4	-129415.3	7309.3	-313712.2
	1.0	-3987.4	215.1	-125631.2	-6753.2	-306750.8
44.	1.9	-4124.7	-231.4	-129415.3	9354.7	-350169.6
	1.0	-3987.4	215.1	-125631.2	-8654.2	-341994.3

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53.	1.9	-4124.7	-231.4	-129415.3	11400.1	-386627.0
	1.0	-3987.4	215.1	-125631.2	-10555.1	-377237.9
62.	1.9	-4124.7	-231.4	-129415.3	13445.6	-423084.4
	1.0	-3987.4	215.1	-125631.2	-12456.1	-412481.5
71.	1.9	-4124.7	-231.4	-129415.3	15491.0	-459541.8
	1.0	-3987.4	215.1	-125631.2	-14357.0	-447725.0
Asta	341	nodì	160	197		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	3020.7	-2988.0	-19912.5	32117.4	-2513259.2	995943.3
	1535.8	675.7	-15645.4	2946.6	-1529290.4	-979757.6
10.	3020.7	-2988.0	-19912.5	32117.4	-2314134.4	966063.4
	1535.8	675.7	-15645.4	2946.6	-1372836.4	-973000.3
20.	3020.7	-2988.0	-19912.5	32117.4	-2115009.6	936183.5
	1535.8	675.7	-15645.4	2946.6	-1216382.4	-966242.9
30.	3020.7	-2988.0	-19912.5	32117.4	-1915884.9	906303.6
	1535.8	675.7	-15645.4	2946.6	-1059928.3	-959485.6
40.	3020.7	-2988.0	-19912.5	32117.4	-1716760.1	876423.7
	1535.8	675.7	-15645.4	2946.6	-903474.3	-952728.2
50.	3020.7	-2988.0	-19912.5	32117.4	-1517635.3	846543.8
	1535.8	675.7	-15645.4	2946.6	-747020.3	-945970.9
60.	3020.7	-2988.0	-19912.5	32117.4	-1318510.6	816663.9
	1535.8	675.7	-15645.4	2946.6	-590566.2	-939213.5
70.	3020.7	-2988.0	-19912.5	32117.4	-1119385.8	786784.0
	1535.8	675.7	-15645.4	2946.6	-434112.2	-932456.2
80.	3020.7	-2988.0	-19912.5	32117.4	-920261.0	756904.0
	1535.8	675.7	-15645.4	2946.6	-277658.2	-925698.9
Asta	342	nodì	170	192		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1600.3	556.0	-1200.9	16670.5	-39111.0	-47424.4
	-2182.3	2048.1	-919.8	-14303.0	52415.5	-460241.5
43.	-1600.3	556.0	-1200.9	16670.5	11928.5	-23793.9
	-2182.3	2048.1	-919.8	-14303.0	91508.6	-373198.9
85.	-1600.3	556.0	-1200.9	16670.5	62968.0	-163.5
	-2182.3	2048.1	-919.8	-14303.0	130601.6	-286156.2
128.	-1600.3	556.0	-1200.9	16670.5	114007.5	23467.0
	-2182.3	2048.1	-919.8	-14303.0	169694.7	-199113.6
170.	-1600.3	556.0	-1200.9	16670.5	165047.0	47097.5
	-2182.3	2048.1	-919.8	-14303.0	208787.8	-112071.0
213.	-1600.3	556.0	-1200.9	16670.5	216086.5	70728.0
	-2182.3	2048.1	-919.8	-14303.0	247880.9	-25028.3
255.	-1600.3	556.0	-1200.9	16670.5	267126.0	94358.4
	-2182.3	2048.1	-919.8	-14303.0	286973.9	62014.3
298.	-1600.3	556.0	-1200.9	16670.5	318165.5	117988.9
	-2182.3	2048.1	-919.8	-14303.0	326067.0	149057.0
340.	-1600.3	556.0	-1200.9	16670.5	369205.0	141619.4
	-2182.3	2048.1	-919.8	-14303.0	365160.1	236099.6
Asta	343	nodì	161	198		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	498.4	25073.0	-69936.7	16484.6	-8069103.9	-2540779.0
	-1004.3	27745.2	-68386.0	-10937.6	-9011058.7	-3237282.3
10.	498.4	25073.0	-69936.7	16484.6	-7369736.6	-2290049.1
	-1004.3	27745.2	-68386.0	-10937.6	-8327198.2	-2959830.3
20.	498.4	25073.0	-69936.7	16484.6	-6670369.3	-2039319.2
	-1004.3	27745.2	-68386.0	-10937.6	-7643337.7	-2682378.3
30.	498.4	25073.0	-69936.7	16484.6	-5971002.0	-1788589.2
	-1004.3	27745.2	-68386.0	-10937.6	-6959477.3	-2404926.3
40.	498.4	25073.0	-69936.7	16484.6	-5271634.7	-1537859.3
	-1004.3	27745.2	-68386.0	-10937.6	-6275616.8	-2127474.2
50.	498.4	25073.0	-69936.7	16484.6	-4572267.4	-1287129.3
	-1004.3	27745.2	-68386.0	-10937.6	-5591756.3	-1850022.2
60.	498.4	25073.0	-69936.7	16484.6	-3872900.1	-1036399.4
	-1004.3	27745.2	-68386.0	-10937.6	-4907895.8	-1572570.2
70.	498.4	25073.0	-69936.7	16484.6	-3173532.8	-785669.5
	-1004.3	27745.2	-68386.0	-10937.6	-4224035.4	-1295118.2
80.	498.4	25073.0	-69936.7	16484.6	-2474165.5	-534939.5
	-1004.3	27745.2	-68386.0	-10937.6	-3540174.9	-1017666.2
Asta	344	nodì	171	193		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2430.7	1781.6	235.6	15971.2	262189.7	-119806.6
	-2988.2	2263.1	-828.3	-14865.7	-65071.5	-231297.2
43.	-2430.7	1781.6	235.6	15971.2	252175.2	-44089.0
	-2988.2	2263.1	-828.3	-14865.7	-29870.1	-135113.5
85.	-2430.7	1781.6	235.6	15971.2	242160.7	31628.6
	-2988.2	2263.1	-828.3	-14865.7	5331.3	-38929.9
128.	-2430.7	1781.6	235.6	15971.2	232146.1	107346.2
	-2988.2	2263.1	-828.3	-14865.7	40532.7	57253.8
170.	-2430.7	1781.6	235.6	15971.2	222131.6	183063.8
	-2988.2	2263.1	-828.3	-14865.7	75734.0	153437.5
213.	-2430.7	1781.6	235.6	15971.2	212117.0	258781.4
	-2988.2	2263.1	-828.3	-14865.7	110935.4	249621.1
255.	-2430.7	1781.6	235.6	15971.2	202102.5	334499.0
	-2988.2	2263.1	-828.3	-14865.7	146136.8	345804.8
298.	-2430.7	1781.6	235.6	15971.2	192088.0	410216.6
	-2988.2	2263.1	-828.3	-14865.7	181338.2	441988.5
340.	-2430.7	1781.6	235.6	15971.2	182073.4	485934.2
	-2988.2	2263.1	-828.3	-14865.7	216539.6	538172.1
Asta	345	nodì	162	199		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-344.7	72929.1	-28646.0	10442.1	-3297776.2	-8787966.7

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10.	-342.0	74072.1	-25151.6	-18077.7	-2514671.3	-9458012.6
	-344.7	72929.1	-28646.0	10442.1	-3011316.4	-8058675.6
	-342.0	74072.1	-25151.6	-18077.7	-2263155.4	-8717291.2
20.	-344.7	72929.1	-28646.0	10442.1	-2724856.6	-7329384.5
	-342.0	74072.1	-25151.6	-18077.7	-2011639.6	-7976569.8
30.	-344.7	72929.1	-28646.0	10442.1	-2438396.8	-6600093.5
	-342.0	74072.1	-25151.6	-18077.7	-1760123.8	-7235848.5
40.	-344.7	72929.1	-28646.0	10442.1	-2151937.1	-5870802.4
	-342.0	74072.1	-25151.6	-18077.7	-1508607.9	-6495127.1
50.	-344.7	72929.1	-28646.0	10442.1	-1865477.3	-5141511.3
	-342.0	74072.1	-25151.6	-18077.7	-1257092.1	-5754405.7
60.	-344.7	72929.1	-28646.0	10442.1	-1579017.5	-4412220.3
	-342.0	74072.1	-25151.6	-18077.7	-1005576.2	-5013684.4
70.	-344.7	72929.1	-28646.0	10442.1	-1292557.7	-3682929.2
	-342.0	74072.1	-25151.6	-18077.7	-754060.4	-4272963.0
80.	-344.7	72929.1	-28646.0	10442.1	-1006097.9	-2953638.2
	-342.0	74072.1	-25151.6	-18077.7	-502544.6	-3532241.6
Asta	346	nodì	172	194		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2803.6	100.6	-2039.3	15508.9	-162244.4	168451.3
	-2824.7	569.7	-1677.0	-15400.7	-67055.5	18899.6
43.	-2803.6	100.6	-2039.3	15508.9	-75576.2	172727.4
	-2824.7	569.7	-1677.0	-15400.7	4218.9	43112.2
85.	-2803.6	100.6	-2039.3	15508.9	11091.9	177003.5
	-2824.7	569.7	-1677.0	-15400.7	75493.4	67324.7
128.	-2803.6	100.6	-2039.3	15508.9	97760.1	181279.5
	-2824.7	569.7	-1677.0	-15400.7	146767.8	91537.3
170.	-2803.6	100.6	-2039.3	15508.9	184428.3	185555.6
	-2824.7	569.7	-1677.0	-15400.7	218042.3	115749.9
213.	-2803.6	100.6	-2039.3	15508.9	271096.4	189831.7
	-2824.7	569.7	-1677.0	-15400.7	289316.8	139962.4
255.	-2803.6	100.6	-2039.3	15508.9	357764.6	194107.8
	-2824.7	569.7	-1677.0	-15400.7	360591.2	164175.0
298.	-2803.6	100.6	-2039.3	15508.9	444432.7	198383.9
	-2824.7	569.7	-1677.0	-15400.7	431865.7	188387.5
340.	-2803.6	100.6	-2039.3	15508.9	531100.9	202660.0
	-2824.7	569.7	-1677.0	-15400.7	503140.1	212600.1
Asta	347	nodì	158	200		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	1615.7	15493.0	-6122.6	-8363.5	-1155848.4	-1578452.2
	1165.4	14845.2	-8584.7	-37958.5	-1313184.8	-1958537.0
10.	1615.7	15493.0	-6122.6	-8363.5	-1094622.0	-1423522.2
	1165.4	14845.2	-8584.7	-37958.5	-1227337.5	-1810085.0
20.	1615.7	15493.0	-6122.6	-8363.5	-1033395.7	-1268592.2
	1165.4	14845.2	-8584.7	-37958.5	-1141490.2	-1661633.1
30.	1615.7	15493.0	-6122.6	-8363.5	-972169.3	-1113662.2
	1165.4	14845.2	-8584.7	-37958.5	-1055642.8	-1513181.1
40.	1615.7	15493.0	-6122.6	-8363.5	-910942.9	-958732.2
	1165.4	14845.2	-8584.7	-37958.5	-969795.5	-1364729.1
50.	1615.7	15493.0	-6122.6	-8363.5	-849716.5	-803802.2
	1165.4	14845.2	-8584.7	-37958.5	-883948.2	-1216277.2
60.	1615.7	15493.0	-6122.6	-8363.5	-788490.2	-648872.2
	1165.4	14845.2	-8584.7	-37958.5	-798100.9	-1067825.2
70.	1615.7	15493.0	-6122.6	-8363.5	-727263.8	-493942.2
	1165.4	14845.2	-8584.7	-37958.5	-712253.6	-919373.3
80.	1615.7	15493.0	-6122.6	-8363.5	-666037.4	-339012.2
	1165.4	14845.2	-8584.7	-37958.5	-626406.2	-770921.3
Asta	348	nodì	168	195		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1938.2	1619.5	-1016.3	15276.1	-245280.6	-105083.8
	-2100.8	2084.6	-924.4	-16754.3	-206780.8	-241505.5
43.	-1938.2	1619.5	-1016.3	15276.1	-202087.1	-36254.0
	-2100.8	2084.6	-924.4	-16754.3	-167495.1	-152908.1
85.	-1938.2	1619.5	-1016.3	15276.1	-158893.5	32575.8
	-2100.8	2084.6	-924.4	-16754.3	-128209.5	-64310.7
128.	-1938.2	1619.5	-1016.3	15276.1	-115699.9	101405.6
	-2100.8	2084.6	-924.4	-16754.3	-88923.8	24286.7
170.	-1938.2	1619.5	-1016.3	15276.1	-72506.3	170235.3
	-2100.8	2084.6	-924.4	-16754.3	-49638.2	112884.1
213.	-1938.2	1619.5	-1016.3	15276.1	-29312.7	239065.1
	-2100.8	2084.6	-924.4	-16754.3	-10352.5	201481.5
255.	-1938.2	1619.5	-1016.3	15276.1	13880.8	307894.9
	-2100.8	2084.6	-924.4	-16754.3	28933.1	290078.9
298.	-1938.2	1619.5	-1016.3	15276.1	57074.4	376724.7
	-2100.8	2084.6	-924.4	-16754.3	68218.8	378676.3
340.	-1938.2	1619.5	-1016.3	15276.1	100268.0	445554.4
	-2100.8	2084.6	-924.4	-16754.3	107504.4	467273.7
Asta	349	nodì	193	194		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.7	12.5	-1.4	-671.6	-600.6	-6032.2
	-0.1	-16.5	1.4	642.5	571.5	6235.2
106.	0.7	12.5	-1.4	-671.6	-450.9	-4706.2
	-0.1	-16.5	1.4	642.5	428.0	4490.6
212.	0.7	12.5	-1.4	-671.6	-301.3	-3380.2
	-0.1	-16.5	1.4	642.5	284.6	2746.0
318.	0.7	12.5	-1.4	-671.6	-151.6	-2054.2
	-0.1	-16.5	1.4	642.5	141.1	1001.3
424.	0.7	12.5	-1.4	-671.6	-1.9	-728.2
	-0.1	-16.5	1.4	642.5	-2.4	-743.3
529.	0.7	12.5	-1.4	-671.6	147.8	597.8

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635.	-0.1	-16.5	1.4	642.5	-145.9	-2487.9
	0.7	12.5	-1.4	-671.6	297.4	1923.9
741.	-0.1	-16.5	1.4	642.5	-289.4	-4232.6
	0.7	12.5	-1.4	-671.6	447.1	3249.9
847.	-0.1	-16.5	1.4	642.5	-432.9	-5977.2
	0.7	12.5	-1.4	-671.6	596.8	4575.9
	-0.1	-16.5	1.4	642.5	-576.4	-7721.8
Asta	350	nodì	171	172		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3.3	12.5	0.0	-635.0	-23.1	-5307.9
	-3.7	-15.6	0.1	602.6	29.5	6585.9
106.	-3.3	12.5	0.0	-635.0	-20.3	-3982.0
	-3.7	-15.6	0.1	602.6	18.6	4936.6
212.	-3.3	12.5	0.0	-635.0	-17.6	-2656.1
	-3.7	-15.6	0.1	602.6	7.7	3287.2
318.	-3.3	12.5	0.0	-635.0	-14.8	-1330.1
	-3.7	-15.6	0.1	602.6	-3.2	1637.9
424.	-3.3	12.5	0.0	-635.0	-12.0	-4.2
	-3.7	-15.6	0.1	602.6	-14.1	-11.5
529.	-3.3	12.5	0.0	-635.0	-9.2	1321.7
	-3.7	-15.6	0.1	602.6	-25.0	-1660.9
635.	-3.3	12.5	0.0	-635.0	-6.5	2647.6
	-3.7	-15.6	0.1	602.6	-36.0	-3310.2
741.	-3.3	12.5	0.0	-635.0	-3.7	3973.5
	-3.7	-15.6	0.1	602.6	-46.9	-4959.6
847.	-3.3	12.5	0.0	-635.0	-0.9	5299.4
	-3.7	-15.6	0.1	602.6	-57.8	-6608.9
Asta	351	nodì	161	162		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	-16405.2	-10.1	-48296.4	-6702.6	2097221.8
	0.0	-18365.0	-26.1	18229.1	-13526.1	2538290.2
106.	0.0	-12121.1	-8.8	-39721.7	-5679.8	588594.6
	0.0	-13700.1	-24.3	23654.3	-10828.7	841801.7
212.	0.0	-7967.4	-5.5	-31185.5	-4904.8	-474017.4
	0.0	-9143.7	-19.6	29189.4	-8482.8	-366550.8
318.	0.0	-3874.4	-0.6	-22687.8	-4572.5	-1100634.9
	0.0	-4686.8	-13.3	34834.3	-6729.3	-1097899.7
424.	0.0	217.1	5.2	-14228.7	-4813.1	-1294456.6
	0.0	-307.2	-6.2	40589.2	-5697.2	-1361723.1
529.	0.0	4355.7	11.2	-5808.0	-5684.7	-1052982.7
	0.0	4031.2	0.7	46453.9	-5412.0	-1164411.9
635.	0.0	8579.1	16.6	2574.1	-7165.8	-369136.7
	0.0	8377.8	6.5	52428.5	-5804.9	-507836.6
741.	0.0	12914.7	20.5	10917.7	-9147.3	767611.3
	0.0	12795.6	10.5	58513.0	-6721.8	612085.5
847.	0.0	17379.3	22.0	19222.8	-11425.7	2370122.7
	0.0	17361.1	11.9	64707.3	-7932.1	2206823.7
Asta	352	nodì	159	206		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-14974.5	88.9	28324.7	-47580.4	4090883.5	380844.7
	-14955.3	79.4	10516.4	-46957.1	1004492.9	381016.2
10.	-14974.5	88.9	28324.7	-47580.4	3807636.3	381733.9
	-14955.3	79.4	10516.4	-46957.1	899329.0	381810.3
20.	-14974.5	88.9	28324.7	-47580.4	3524389.2	382623.0
	-14955.3	79.4	10516.4	-46957.1	794165.1	382604.3
30.	-14974.5	88.9	28324.7	-47580.4	3241142.1	383512.1
	-14955.3	79.4	10516.4	-46957.1	689001.1	383398.3
40.	-14974.5	88.9	28324.7	-47580.4	2957894.9	384401.2
	-14955.3	79.4	10516.4	-46957.1	583837.2	384192.4
50.	-14974.5	88.9	28324.7	-47580.4	2674647.8	385290.4
	-14955.3	79.4	10516.4	-46957.1	478673.3	384986.4
60.	-14974.5	88.9	28324.7	-47580.4	2391400.7	386179.5
	-14955.3	79.4	10516.4	-46957.1	373509.3	385780.4
70.	-14974.5	88.9	28324.7	-47580.4	2108153.5	387068.6
	-14955.3	79.4	10516.4	-46957.1	268345.4	386574.5
80.	-14974.5	88.9	28324.7	-47580.4	1824906.4	387957.7
	-14955.3	79.4	10516.4	-46957.1	163181.5	387368.5
Asta	353	nodì	169	191		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-11360.8	-5629.2	465.2	9040.7	-69903.5	844832.8
	-11267.7	-5592.2	-426.3	-9991.2	-224642.1	839676.5
43.	-11360.8	-5629.2	465.2	9040.7	-89674.5	605593.7
	-11267.7	-5592.2	-426.3	-9991.2	-206526.3	602009.3
85.	-11360.8	-5629.2	465.2	9040.7	-109445.5	366354.7
	-11267.7	-5592.2	-426.3	-9991.2	-188410.4	364342.1
128.	-11360.8	-5629.2	465.2	9040.7	-129216.5	127115.6
	-11267.7	-5592.2	-426.3	-9991.2	-170294.6	126674.9
170.	-11360.8	-5629.2	465.2	9040.7	-148987.4	-112123.5
	-11267.7	-5592.2	-426.3	-9991.2	-152178.8	-110992.3
213.	-11360.8	-5629.2	465.2	9040.7	-168758.4	-351362.5
	-11267.7	-5592.2	-426.3	-9991.2	-134062.9	-348659.5
255.	-11360.8	-5629.2	465.2	9040.7	-188529.4	-590601.6
	-11267.7	-5592.2	-426.3	-9991.2	-115947.1	-586326.7
298.	-11360.8	-5629.2	465.2	9040.7	-208300.4	-829840.6
	-11267.7	-5592.2	-426.3	-9991.2	-97831.3	-823993.9
340.	-11360.8	-5629.2	465.2	9040.7	-228071.4	-1069079.7
	-11267.7	-5592.2	-426.3	-9991.2	-79715.4	-1061661.1
Asta	354	nodì	153	205		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ

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0.	4652.7	16312.5	-22000.6	3377.0	-3475953.6	-1462358.4
	6307.3	20615.6	-20115.3	-26981.0	-1363041.0	-2544873.2
10.	4652.7	16312.5	-22000.6	3377.0	-3255947.8	-1299233.4
	6307.3	20615.6	-20115.3	-26981.0	-1161887.7	-2338717.5
20.	4652.7	16312.5	-22000.6	3377.0	-3035942.1	-1136108.4
	6307.3	20615.6	-20115.3	-26981.0	-960734.3	-2132561.9
30.	4652.7	16312.5	-22000.6	3377.0	-2815936.3	-972983.4
	6307.3	20615.6	-20115.3	-26981.0	-759581.0	-1926406.3
40.	4652.7	16312.5	-22000.6	3377.0	-2595930.5	-809858.4
	6307.3	20615.6	-20115.3	-26981.0	-558427.6	-1720250.7
50.	4652.7	16312.5	-22000.6	3377.0	-2375924.8	-646733.4
	6307.3	20615.6	-20115.3	-26981.0	-357274.3	-1514095.0
60.	4652.7	16312.5	-22000.6	3377.0	-2155919.0	-483608.4
	6307.3	20615.6	-20115.3	-26981.0	-156121.0	-1307939.4
70.	4652.7	16312.5	-22000.6	3377.0	-1935913.3	-320483.5
	6307.3	20615.6	-20115.3	-26981.0	45032.4	-1101783.8
80.	4652.7	16312.5	-22000.6	3377.0	-1715907.5	-157358.5
	6307.3	20615.6	-20115.3	-26981.0	246185.7	-895628.2
Asta	355	nodì	163	187		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3090.9	1482.5	-1322.8	16202.8	-159656.9	-951.8
	-3605.2	1950.1	591.7	-16015.8	362612.9	-106997.9
43.	-3090.9	1482.5	-1322.8	16202.8	-103436.3	62054.4
	-3605.2	1950.1	591.7	-16015.8	337466.1	-24120.2
85.	-3090.9	1482.5	-1322.8	16202.8	-47215.7	125060.6
	-3605.2	1950.1	591.7	-16015.8	312319.4	58757.4
128.	-3090.9	1482.5	-1322.8	16202.8	9004.8	188066.8
	-3605.2	1950.1	591.7	-16015.8	287172.6	141635.1
170.	-3090.9	1482.5	-1322.8	16202.8	65225.4	251073.1
	-3605.2	1950.1	591.7	-16015.8	262025.8	224512.8
213.	-3090.9	1482.5	-1322.8	16202.8	121446.0	314079.3
	-3605.2	1950.1	591.7	-16015.8	236879.1	307390.4
255.	-3090.9	1482.5	-1322.8	16202.8	177666.5	377085.5
	-3605.2	1950.1	591.7	-16015.8	211732.3	390268.1
298.	-3090.9	1482.5	-1322.8	16202.8	233887.1	440091.8
	-3605.2	1950.1	591.7	-16015.8	186585.6	473145.7
340.	-3090.9	1482.5	-1322.8	16202.8	290107.7	503098.0
	-3605.2	1950.1	591.7	-16015.8	161438.8	556023.4
Asta	356	nodì	167	196		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-5465.3	3730.0	-954.6	10512.1	-388269.2	-505170.9
	-5444.6	3725.6	-872.4	-8689.8	-352847.8	-504267.7
43.	-5465.3	3730.0	-954.6	10512.1	-347697.9	-346645.9
	-5444.6	3725.6	-872.4	-8689.8	-315772.7	-345927.6
85.	-5465.3	3730.0	-954.6	10512.1	-307126.6	-188120.9
	-5444.6	3725.6	-872.4	-8689.8	-278697.6	-187587.5
128.	-5465.3	3730.0	-954.6	10512.1	-266555.3	-29595.8
	-5444.6	3725.6	-872.4	-8689.8	-241622.5	-29247.5
170.	-5465.3	3730.0	-954.6	10512.1	-225984.0	128929.2
	-5444.6	3725.6	-872.4	-8689.8	-204547.4	129092.6
213.	-5465.3	3730.0	-954.6	10512.1	-185412.7	287454.3
	-5444.6	3725.6	-872.4	-8689.8	-167472.2	287432.7
255.	-5465.3	3730.0	-954.6	10512.1	-144841.4	445979.3
	-5444.6	3725.6	-872.4	-8689.8	-130397.1	445772.8
298.	-5465.3	3730.0	-954.6	10512.1	-104270.2	604504.4
	-5444.6	3725.6	-872.4	-8689.8	-93322.0	604112.9
340.	-5465.3	3730.0	-954.6	10512.1	-63698.9	763029.4
	-5444.6	3725.6	-872.4	-8689.8	-56246.9	762453.0
Asta	357	nodì	157	201		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-10186.2	3707.7	32203.1	63773.0	3939927.8	-558911.3
	-10155.8	3736.4	28226.1	45183.2	3515582.0	-560765.8
10.	-10186.2	3707.7	32203.1	63773.0	3617896.9	-521834.1
	-10155.8	3736.4	28226.1	45183.2	3233321.1	-523401.7
20.	-10186.2	3707.7	32203.1	63773.0	3295866.0	-484757.0
	-10155.8	3736.4	28226.1	45183.2	2951060.1	-486037.7
30.	-10186.2	3707.7	32203.1	63773.0	2973835.1	-447679.9
	-10155.8	3736.4	28226.1	45183.2	2668799.1	-448673.6
40.	-10186.2	3707.7	32203.1	63773.0	2651804.2	-410602.7
	-10155.8	3736.4	28226.1	45183.2	2386538.2	-411309.5
50.	-10186.2	3707.7	32203.1	63773.0	2329773.4	-373525.6
	-10155.8	3736.4	28226.1	45183.2	2104277.2	-373945.5
60.	-10186.2	3707.7	32203.1	63773.0	2007742.5	-336448.5
	-10155.8	3736.4	28226.1	45183.2	1822016.3	-336581.4
70.	-10186.2	3707.7	32203.1	63773.0	1685711.6	-299371.3
	-10155.8	3736.4	28226.1	45183.2	1539755.3	-299217.4
80.	-10186.2	3707.7	32203.1	63773.0	1363680.7	-262294.2
	-10155.8	3736.4	28226.1	45183.2	1257494.4	-261853.3
Asta	358	nodì	166	190		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-4298.1	242.1	-2052.5	16621.6	-261562.8	201405.9
	-4140.7	333.4	-1547.2	-15383.2	-108449.0	162730.6
43.	-4298.1	242.1	-2052.5	16621.6	-174333.2	211695.9
	-4140.7	333.4	-1547.2	-15383.2	-42693.5	176899.8
85.	-4298.1	242.1	-2052.5	16621.6	-87103.6	221985.9
	-4140.7	333.4	-1547.2	-15383.2	23062.1	191069.1
128.	-4298.1	242.1	-2052.5	16621.6	126.0	232275.8
	-4140.7	333.4	-1547.2	-15383.2	88817.7	205238.3
170.	-4298.1	242.1	-2052.5	16621.6	87355.7	242565.8
	-4140.7	333.4	-1547.2	-15383.2	154573.3	219407.5

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213.	-4298.1	242.1	-2052.5	16621.6	174585.3	252855.8
	-4140.7	333.4	-1547.2	-15383.2	220328.9	233576.8
255.	-4298.1	242.1	-2052.5	16621.6	261814.9	263145.8
	-4140.7	333.4	-1547.2	-15383.2	286084.5	247746.0
298.	-4298.1	242.1	-2052.5	16621.6	349044.5	273435.8
	-4140.7	333.4	-1547.2	-15383.2	351840.1	261915.3
340.	-4298.1	242.1	-2052.5	16621.6	436274.1	283725.8
	-4140.7	333.4	-1547.2	-15383.2	417595.7	276084.5
Asta	359	nodì	156	202		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-440.1	33064.4	-7491.1	29520.1	-1234744.6	-3517072.7
	-9.0	30673.7	-9759.5	-89.8	-979692.5	-3364755.3
10.	-440.1	33064.4	-7491.1	29520.1	-1159833.6	-3186429.0
	-9.0	30673.7	-9759.5	-89.8	-882097.9	-3058018.2
20.	-440.1	33064.4	-7491.1	29520.1	-1084922.5	-2855785.3
	-9.0	30673.7	-9759.5	-89.8	-784503.3	-2751281.0
30.	-440.1	33064.4	-7491.1	29520.1	-1010011.5	-2525141.6
	-9.0	30673.7	-9759.5	-89.8	-686908.8	-2444543.8
40.	-440.1	33064.4	-7491.1	29520.1	-935100.4	-2194497.9
	-9.0	30673.7	-9759.5	-89.8	-589314.2	-2137806.7
50.	-440.1	33064.4	-7491.1	29520.1	-860189.4	-1863854.2
	-9.0	30673.7	-9759.5	-89.8	-491719.6	-1831069.5
60.	-440.1	33064.4	-7491.1	29520.1	-785278.3	-1533210.5
	-9.0	30673.7	-9759.5	-89.8	-394125.0	-1524332.3
70.	-440.1	33064.4	-7491.1	29520.1	-710367.2	-1202566.8
	-9.0	30673.7	-9759.5	-89.8	-296530.4	-1217595.2
80.	-440.1	33064.4	-7491.1	29520.1	-635456.2	-871923.1
	-9.0	30673.7	-9759.5	-89.8	-198935.9	-910858.0
Asta	360	nodì	154	204		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-32093.6	21854.3	6464.3	17318.8	367211.2	-2577011.4
	-30937.1	28885.7	10947.8	-13913.1	1226928.3	-2429627.7
10.	-32093.6	21854.3	6464.3	17318.8	302568.6	-2358468.6
	-30937.1	28885.7	10947.8	-13913.1	1117450.1	-2140771.2
20.	-32093.6	21854.3	6464.3	17318.8	237926.0	-2139925.7
	-30937.1	28885.7	10947.8	-13913.1	1007971.9	-1851914.7
30.	-32093.6	21854.3	6464.3	17318.8	173283.4	-1921382.9
	-30937.1	28885.7	10947.8	-13913.1	898493.7	-1563058.2
40.	-32093.6	21854.3	6464.3	17318.8	108640.8	-1702840.0
	-30937.1	28885.7	10947.8	-13913.1	789015.5	-1274201.6
50.	-32093.6	21854.3	6464.3	17318.8	43998.3	-1484297.1
	-30937.1	28885.7	10947.8	-13913.1	679537.2	-985345.1
60.	-32093.6	21854.3	6464.3	17318.8	-20644.3	-1265754.3
	-30937.1	28885.7	10947.8	-13913.1	570059.0	-696488.6
70.	-32093.6	21854.3	6464.3	17318.8	-85286.9	-1047211.4
	-30937.1	28885.7	10947.8	-13913.1	460580.8	-407632.1
80.	-32093.6	21854.3	6464.3	17318.8	-149929.5	-828668.6
	-30937.1	28885.7	10947.8	-13913.1	351102.6	-118775.6
Asta	361	nodì	164	188		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-12967.9	2413.4	22.9	17401.1	-87554.0	-242004.9
	-12455.9	1501.3	381.3	-16547.7	-2838.3	43348.3
43.	-12967.9	2413.4	22.9	17401.1	-88526.3	-139435.1
	-12455.9	1501.3	381.3	-16547.7	-19045.4	107154.0
85.	-12967.9	2413.4	22.9	17401.1	-89498.7	-36865.3
	-12455.9	1501.3	381.3	-16547.7	-35252.4	170959.7
128.	-12967.9	2413.4	22.9	17401.1	-90471.0	65704.5
	-12455.9	1501.3	381.3	-16547.7	-51459.5	234765.3
170.	-12967.9	2413.4	22.9	17401.1	-91443.3	168274.4
	-12455.9	1501.3	381.3	-16547.7	-67666.6	298571.0
213.	-12967.9	2413.4	22.9	17401.1	-92415.6	270844.2
	-12455.9	1501.3	381.3	-16547.7	-83873.6	362376.6
255.	-12967.9	2413.4	22.9	17401.1	-93387.9	373414.0
	-12455.9	1501.3	381.3	-16547.7	-100080.7	426182.3
298.	-12967.9	2413.4	22.9	17401.1	-94360.3	475983.8
	-12455.9	1501.3	381.3	-16547.7	-116287.8	489988.0
340.	-12967.9	2413.4	22.9	17401.1	-95332.6	578553.6
	-12455.9	1501.3	381.3	-16547.7	-132494.9	553793.6
Asta	362	nodì	155	203		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-29619.9	30799.4	-28743.4	13578.9	-3410902.0	-3326564.4
	-28879.1	35049.1	-25116.6	-18134.1	-2645214.3	-3249557.2
10.	-29619.9	30799.4	-28743.4	13578.9	-3123467.5	-3018570.7
	-28879.1	35049.1	-25116.6	-18134.1	-2394048.5	-2899066.5
20.	-29619.9	30799.4	-28743.4	13578.9	-2836033.1	-2710577.0
	-28879.1	35049.1	-25116.6	-18134.1	-2142882.8	-2548575.7
30.	-29619.9	30799.4	-28743.4	13578.9	-2548598.6	-2402583.3
	-28879.1	35049.1	-25116.6	-18134.1	-1891717.0	-2198085.0
40.	-29619.9	30799.4	-28743.4	13578.9	-2261164.2	-2094589.7
	-28879.1	35049.1	-25116.6	-18134.1	-1640551.2	-1847594.3
50.	-29619.9	30799.4	-28743.4	13578.9	-1973729.8	-1786596.0
	-28879.1	35049.1	-25116.6	-18134.1	-1389385.5	-1497103.6
60.	-29619.9	30799.4	-28743.4	13578.9	-1686295.3	-1478602.3
	-28879.1	35049.1	-25116.6	-18134.1	-1138219.7	-1146612.9
70.	-29619.9	30799.4	-28743.4	13578.9	-1398860.9	-1170608.6
	-28879.1	35049.1	-25116.6	-18134.1	-887053.9	-796122.1
80.	-29619.9	30799.4	-28743.4	13578.9	-1111426.5	-862614.9
	-28879.1	35049.1	-25116.6	-18134.1	-635888.2	-445631.4
Asta	363	nodì	165	189		

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PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-11588.7	1812.6	797.5	17220.8	116976.4	-106878.9
	-11238.3	1254.2	1131.9	-16685.1	201329.7	68411.3
43.	-11588.7	1812.6	797.5	17220.8	83083.0	-29844.2
	-11238.3	1254.2	1131.9	-16685.1	153224.9	121715.3
85.	-11588.7	1812.6	797.5	17220.8	49189.6	47190.5
	-11238.3	1254.2	1131.9	-16685.1	105120.0	175019.2
128.	-11588.7	1812.6	797.5	17220.8	15296.3	124225.3
	-11238.3	1254.2	1131.9	-16685.1	57015.2	228323.2
170.	-11588.7	1812.6	797.5	17220.8	-18597.1	201260.0
	-11238.3	1254.2	1131.9	-16685.1	8910.3	281627.2
213.	-11588.7	1812.6	797.5	17220.8	-52490.5	278294.7
	-11238.3	1254.2	1131.9	-16685.1	-39194.5	334931.2
255.	-11588.7	1812.6	797.5	17220.8	-86383.8	355329.5
	-11238.3	1254.2	1131.9	-16685.1	-87299.4	388235.2
298.	-11588.7	1812.6	797.5	17220.8	-120277.2	432364.2
	-11238.3	1254.2	1131.9	-16685.1	-135404.2	441539.2
340.	-11588.7	1812.6	797.5	17220.8	-154170.6	509398.9
	-11238.3	1254.2	1131.9	-16685.1	-183509.1	494843.2

Asta	364	nod	114	153		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	-30494.7	1857.1	740330.4	19747.5	-1419758.0
	0.0	-30361.7	1981.4	1247128.8	25323.4	-1164799.6
9.	0.0	-30000.7	1857.1	739890.1	3333.0	-1687110.7
	0.0	-29898.4	1981.4	1246894.9	7809.7	-1431111.1
18.	0.0	-29508.6	1857.1	739464.1	-13081.3	-1950105.4
	0.0	-29439.0	1981.4	1246685.1	-9703.8	-1693344.6
27.	0.0	-29018.4	1857.1	739052.3	-29495.6	-2208759.2
	0.0	-28983.5	1981.4	1246499.3	-27217.3	-1951534.8
35.	0.0	-28529.9	1857.1	738654.7	-45909.9	-2463088.3
	0.0	-28531.8	1981.4	1246337.6	-44730.7	-2205716.0
44.	0.0	-28042.8	1857.1	738271.4	-62324.4	-2713106.1
	0.0	-28083.5	1981.5	1246199.9	-62244.4	-2455919.9
53.	0.0	-27556.4	1857.2	737902.4	-78739.3	-2958821.7
	0.0	-27638.1	1981.5	1246086.2	-79758.5	-2702174.7
62.	0.0	-27069.9	1857.2	737547.5	-95154.6	-3200238.1
	0.0	-27194.8	1981.6	1245996.5	-97272.9	-2944502.7
71.	0.0	-26582.4	1857.2	737207.0	-111570.3	-3437350.8
	0.0	-26752.8	1981.6	1245930.9	-114787.7	-3182919.2

Asta	365	nod	116	154		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-648.7	-26449.9	301.7	-653791.8	7801.9	5571.2
	-680.8	-26554.1	110.1	-459018.8	6373.2	20179.7
6.	-648.7	-26000.8	301.7	-653782.7	5916.3	-158338.1
	-680.8	-26096.0	110.1	-458993.8	5685.2	-144351.6
13.	-648.7	-25550.5	301.6	-653779.8	4031.1	-319436.8
	-680.8	-25638.2	110.0	-458973.3	4997.5	-306020.7
19.	-648.7	-25099.1	301.6	-653783.2	2146.3	-477717.4
	-680.8	-25180.9	109.9	-458957.2	4310.2	-464830.1
25.	-648.7	-24646.6	301.5	-653792.9	261.7	-633173.3
	-680.8	-24724.2	109.9	-458945.5	3623.2	-620783.4
31.	-648.7	-24193.0	301.5	-653808.9	-1622.7	-785797.7
	-680.8	-24268.1	109.9	-458938.2	2936.3	-773884.1
38.	-648.7	-23738.3	301.5	-653831.2	-3506.9	-935583.9
	-680.8	-23812.4	109.9	-458935.4	2249.6	-924135.4
44.	-648.7	-23282.3	301.5	-653859.9	-5391.0	-1082524.1
	-680.8	-23357.1	109.8	-458937.0	1563.1	-1071539.8
50.	-648.7	-22824.8	301.5	-653894.8	-7275.1	-1226609.7
	-680.8	-22901.8	109.8	-458943.0	876.5	-1216098.8

Asta	366	nod	142	155		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-741.5	-35304.1	154.2	1821746.1	-2851.4	32257.7
	-769.8	-35378.3	-30.5	1938172.5	-2120.7	37923.9
6.	-741.5	-34857.8	154.2	1821679.3	-3815.0	-186998.5
	-769.8	-34926.8	-30.5	1938129.9	-1930.0	-181779.2
13.	-741.5	-34410.8	154.2	1821630.1	-4778.6	-403462.9
	-769.8	-34475.7	-30.5	1938106.0	-1739.4	-398661.5
19.	-741.5	-33963.2	154.2	1821598.4	-5742.4	-617131.9
	-769.8	-34025.3	-30.5	1938100.8	-1549.0	-612726.7
25.	-741.5	-33515.3	154.2	1821584.3	-6706.2	-828002.6
	-769.8	-33575.6	-30.4	1938114.2	-1358.7	-823979.1
31.	-741.5	-33066.9	154.2	1821587.8	-7670.1	-1036072.3
	-769.8	-33126.7	-30.4	1938146.4	-1168.4	-1032423.5
38.	-741.5	-32618.0	154.2	1821608.9	-8634.0	-1241338.0
	-769.8	-32678.4	-30.4	1938197.2	-978.3	-1238064.2
44.	-741.5	-32168.3	154.2	1821647.5	-9597.9	-1443795.8
	-769.8	-32230.6	-30.4	1938266.8	-788.1	-1440904.6
50.	-741.5	-31717.6	154.2	1821703.6	-10561.9	-1643440.0
	-769.8	-31782.8	-30.4	1938355.0	-598.0	-1640946.5

Asta	367	nod	118	156		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	-33431.0	-2437.0	-2306299.7	-19526.6	-2888071.5
	0.0	-33298.5	-2654.7	-2301361.4	-22166.4	-2783834.2
9.	0.0	-32972.7	-2437.0	-2305818.1	2013.6	-3181533.7
	0.0	-32850.5	-2654.7	-2300873.3	1298.4	-3076169.8
18.	0.0	-32519.2	-2437.0	-2305380.9	23553.6	-3470966.2
	0.0	-32408.1	-2654.7	-2300429.5	24763.0	-3364570.7
27.	0.0	-32070.2	-2437.0	-2304988.2	45093.5	-3756410.5
	0.0	-31971.1	-2654.7	-2300030.0	48227.5	-3649085.7
35.	0.0	-31625.2	-2437.0	-2304639.9	66633.5	-4037904.5

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44.	0.0	-31539.1	-2654.7	-2299674.9	71692.1	-3929760.4
	0.0	-31183.6	-2437.0	-2304336.1	88173.8	-4315480.9
	0.0	-31111.2	-2654.8	-2299364.1	95157.0	-4206635.3
53.	0.0	-30744.4	-2437.1	-2304076.7	109714.6	-4589165.1
	0.0	-30686.7	-2654.9	-2299097.7	118622.5	-4479743.7
62.	0.0	-30306.4	-2437.2	-2303861.7	131256.0	-4858973.6
	0.0	-30264.3	-2654.9	-2298875.6	142088.6	-4749110.3
71.	0.0	-29868.4	-2437.2	-2303691.2	152797.8	-5124912.0
	0.0	-29842.9	-2655.0	-2298697.8	165555.2	-5014749.2
Asta	368	nodì	119	157		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1220.4	-22639.3	4180.6	1713215.0	-105040.1	126819.6
	-1219.6	-22668.0	3540.4	1609255.0	-113568.0	126758.1
6.	-1220.4	-22170.7	4182.8	1713120.2	-131175.6	-13208.8
	-1219.6	-22199.0	3542.2	1609143.3	-135701.2	-13448.5
13.	-1220.4	-21707.4	4185.2	1713041.9	-157325.3	-150325.0
	-1219.6	-21735.5	3544.3	1609047.1	-157846.5	-150741.2
19.	-1220.4	-21249.7	4187.9	1712980.2	-183491.1	-284563.1
	-1219.6	-21277.5	3546.6	1608966.4	-180005.5	-285154.0
25.	-1220.4	-20797.6	4190.9	1712935.0	-209674.8	-415957.9
	-1219.6	-20825.0	3549.2	1608901.2	-202179.9	-416721.5
31.	-1220.4	-20351.0	4194.2	1712906.2	-235878.3	-544544.2
	-1219.6	-20378.2	3552.1	1608851.5	-224371.6	-545478.6
38.	-1220.4	-19910.0	4197.9	1712894.0	-262103.5	-670356.9
	-1219.6	-19936.8	3555.3	1608817.3	-246582.2	-671459.9
44.	-1220.4	-19474.3	4201.7	1712898.4	-288352.1	-793430.0
	-1219.6	-19500.8	3558.7	1608798.6	-268813.5	-794699.6
50.	-1220.4	-19043.9	4205.9	1712919.2	-314625.8	-913796.8
	-1219.6	-19070.0	3562.4	1608795.5	-291066.9	-915230.7
Asta	369	nodì	158	131		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	23693.0	6373.8	501105.8	220619.2	-3237391.6
	0.0	23725.7	6180.9	535524.4	207743.4	-3371705.6
9.	0.0	24132.3	6373.8	500917.9	164282.2	-3026034.6
	0.0	24184.7	6180.8	535319.8	153111.8	-3159971.8
18.	0.0	24576.1	6373.7	500739.5	107945.9	-2810775.6
	0.0	24647.2	6180.7	535125.5	98480.9	-2944166.5
27.	0.0	25025.3	6373.6	500570.9	51610.5	-2591570.6
	0.0	25114.0	6180.7	534941.5	43850.7	-2724254.7
35.	0.0	25480.7	6373.6	500411.9	-4724.4	-2368368.2
	0.0	25586.0	6180.6	534767.8	-10778.9	-2500194.1
44.	0.0	25942.8	6373.6	500262.5	-61059.3	-2141111.6
	0.0	26063.8	6180.7	534604.4	-65408.7	-2271936.5
53.	0.0	26412.0	6373.7	500122.8	-117394.7	-1909739.5
	0.0	26547.7	6180.8	534451.4	-120038.9	-2039429.3
62.	0.0	26888.5	6373.8	499992.7	-173731.1	-1674188.2
	0.0	27037.9	6180.9	534308.6	-174670.1	-1802616.9
71.	0.0	27372.3	6373.8	499872.3	-230068.2	-1434392.5
	0.0	27534.7	6180.9	534176.2	-229302.0	-1561442.3
Asta	370	nodì	162	133		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2033.5	22144.3	335.1	477533.2	3506.6	-3908622.9
	-1988.6	22287.1	234.9	687975.6	-4608.3	-3949424.1
9.	-2033.5	22525.8	335.1	477963.8	544.4	-3711211.9
	-1988.6	22679.6	234.9	688241.2	-6684.9	-3750701.7
18.	-2033.5	22914.3	335.1	478403.6	-2417.6	-3510398.9
	-1988.6	23078.3	234.9	688520.1	-8761.3	-3548483.5
27.	-2033.5	23310.8	335.0	478852.7	-5379.3	-3306117.3
	-1988.6	23484.3	234.9	688812.3	-10837.3	-3342709.8
35.	-2033.5	23716.2	335.0	479311.0	-8340.5	-3098292.1
	-1988.6	23898.4	234.8	689117.7	-12912.9	-3133312.2
44.	-2033.5	24131.2	334.9	479778.5	-11301.0	-2886841.7
	-1988.6	24321.4	234.7	689436.4	-14987.8	-2920215.7
53.	-2033.5	24556.3	334.8	480255.3	-14260.8	-2671678.7
	-1988.6	24753.7	234.6	689768.5	-17061.9	-2703339.4
62.	-2033.5	24992.0	334.7	480741.3	-17219.7	-2452711.8
	-1988.6	25195.9	234.5	690113.8	-19134.9	-2482598.5
71.	-2033.5	25438.4	334.6	481236.6	-20177.4	-2229847.0
	-1988.6	25648.1	234.3	690472.4	-21206.8	-2257905.4
Asta	371	nodì	161	134		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1756.2	21538.8	-182.9	-516565.0	2557.9	-3551792.6
	-1885.0	21748.6	-277.6	-596887.9	-2639.7	-3822212.6
9.	-1756.2	21907.5	-182.9	-516979.8	4174.6	-3359790.3
	-1885.0	22144.6	-277.5	-597161.9	-186.4	-3628233.6
18.	-1756.2	22283.6	-182.9	-517404.6	5791.2	-3164497.2
	-1885.0	22545.7	-277.5	-597447.5	2266.7	-3430732.5
27.	-1756.2	22668.2	-182.8	-517839.4	7407.5	-2965842.8
	-1885.0	22952.8	-277.5	-597744.6	4719.3	-3229660.3
35.	-1756.2	23062.0	-182.8	-518284.2	9023.3	-2763749.1
	-1885.0	23366.7	-277.4	-598053.2	7171.3	-3024960.3
44.	-1756.2	23465.6	-182.7	-518739.0	10638.6	-2558131.8
	-1885.0	23788.2	-277.3	-598373.4	9622.5	-2816568.6
53.	-1756.2	23879.5	-182.6	-519203.8	12253.2	-2348901.6
	-1885.0	24217.7	-277.1	-598705.1	12072.6	-2604416.4
62.	-1756.2	24304.1	-182.5	-519678.6	13867.0	-2135965.8
	-1885.0	24655.7	-277.0	-599048.4	14521.6	-2388430.6
71.	-1756.2	24739.5	-182.4	-520163.4	15479.7	-1919229.5
	-1885.0	25102.3	-276.8	-599403.1	16969.1	-2168535.5

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Asta	372	nod	160	136		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	0.0	21998.9	-5880.9	-1265942.5	-164206.4	-2620772.0
	0.0	21808.1	-5723.6	-769580.2	-160322.9	-2861034.4
9.	0.0	22381.9	-5880.8	-1265667.6	-112226.4	-2424637.8
	0.0	22235.6	-5723.5	-769588.2	-109733.4	-2666388.7
18.	0.0	22769.6	-5880.8	-1265417.2	-60247.0	-2225098.1
	0.0	22665.7	-5723.4	-769611.0	-59144.4	-2467953.7
27.	0.0	23162.7	-5880.7	-1265191.1	-8268.3	-2022108.3
	0.0	23099.2	-5723.4	-769648.7	-8556.1	-2265702.3
35.	0.0	23561.9	-5880.7	-1264989.5	43710.2	-1815617.3
	0.0	23536.8	-5723.4	-769701.2	42032.0	-2059601.2
44.	0.0	23967.5	-5880.7	-1264812.2	95688.9	-1605569.9
	0.0	23979.0	-5723.4	-769768.6	92620.2	-1849612.2
53.	0.0	24379.9	-5880.8	-1264659.3	147668.3	-1391907.4
	0.0	24426.1	-5723.5	-769850.8	143209.1	-1635693.3
62.	0.0	24799.2	-5881.0	-1264530.8	199648.6	-1174569.4
	0.0	24878.3	-5723.6	-769947.8	193799.0	-1417800.3
71.	0.0	25225.4	-5881.0	-1264426.7	251629.7	-953494.9
	0.0	25335.6	-5723.7	-770059.7	244389.5	-1195888.0

Asta	373	nod	159	147		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2397.3	13725.2	-3431.2	-1352379.8	-312052.9	-658742.2
	-2394.3	13650.7	-755.9	-611989.8	-216940.8	-656399.9
6.	-2397.3	14104.1	-3427.5	-1352246.4	-290619.7	-571777.7
	-2394.3	14031.2	-754.3	-611992.1	-212221.5	-569896.0
13.	-2397.3	14487.2	-3424.0	-1352125.9	-269209.0	-482432.0
	-2394.3	14415.9	-753.0	-612000.4	-207511.3	-481001.0
19.	-2397.3	14874.4	-3420.8	-1352018.6	-247819.3	-390679.4
	-2394.3	14804.7	-751.8	-612014.5	-202809.1	-389688.9
25.	-2397.3	15265.8	-3417.8	-1351924.2	-226448.9	-296493.6
	-2394.3	15197.8	-750.8	-612034.5	-198113.8	-295933.3
31.	-2397.3	15661.6	-3415.2	-1351842.9	-205095.9	-199847.6
	-2394.3	15595.2	-749.9	-612060.5	-193424.3	-199707.3
38.	-2397.3	16061.7	-3412.8	-1351774.6	-183758.5	-100714.6
	-2394.3	15997.0	-749.3	-612092.3	-188739.4	-100983.8
44.	-2397.3	16466.0	-3410.8	-1351719.4	-162434.9	932.1
	-2394.3	16403.0	-748.8	-612130.1	-184058.0	264.1
50.	-2397.3	16874.5	-3409.0	-1351677.2	-141123.3	105119.1
	-2394.3	16813.3	-748.6	-612173.7	-179378.8	104062.9

Asta	394	nod	197	170		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	446.3	-1948.0	-3550.1	20118.7	-1076315.5	790707.6
	-798.9	2120.5	-1935.3	-12467.0	-436638.1	-913148.1
43.	446.3	-1948.0	-3550.1	20118.7	-925436.4	707916.4
	-798.9	2120.5	-1935.3	-12467.0	-354387.5	-823028.0
85.	446.3	-1948.0	-3550.1	20118.7	-774557.3	625125.2
	-798.9	2120.5	-1935.3	-12467.0	-272136.8	-732908.0
128.	446.3	-1948.0	-3550.1	20118.7	-623678.2	542334.0
	-798.9	2120.5	-1935.3	-12467.0	-189886.2	-642787.9
170.	446.3	-1948.0	-3550.1	20118.7	-472799.1	459542.8
	-798.9	2120.5	-1935.3	-12467.0	-107635.5	-552667.8
213.	446.3	-1948.0	-3550.1	20118.7	-321920.0	376751.6
	-798.9	2120.5	-1935.3	-12467.0	-25384.9	-462547.7
255.	446.3	-1948.0	-3550.1	20118.7	-171040.9	293960.4
	-798.9	2120.5	-1935.3	-12467.0	56865.8	-372427.7
298.	446.3	-1948.0	-3550.1	20118.7	-20161.8	211169.2
	-798.9	2120.5	-1935.3	-12467.0	139116.4	-282307.6
340.	446.3	-1948.0	-3550.1	20118.7	130717.3	128378.0
	-798.9	2120.5	-1935.3	-12467.0	221367.1	-192187.5

Asta	395	nod	198	171		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2306.6	2929.5	-8557.5	16706.2	-2486963.0	-730618.8
	-3508.1	4219.0	-10876.6	-15445.3	-3568470.4	-1227328.9
43.	-2306.6	2929.5	-8557.5	16706.2	-2123270.9	-606115.4
	-3508.1	4219.0	-10876.6	-15445.3	-3106215.5	-1048023.4
85.	-2306.6	2929.5	-8557.5	16706.2	-1759578.9	-481612.0
	-3508.1	4219.0	-10876.6	-15445.3	-2643960.7	-868718.0
128.	-2306.6	2929.5	-8557.5	16706.2	-1395886.9	-357108.6
	-3508.1	4219.0	-10876.6	-15445.3	-2181705.9	-689412.5
170.	-2306.6	2929.5	-8557.5	16706.2	-1032194.9	-232605.2
	-3508.1	4219.0	-10876.6	-15445.3	-1719451.0	-510107.0
213.	-2306.6	2929.5	-8557.5	16706.2	-668502.8	-108101.8
	-3508.1	4219.0	-10876.6	-15445.3	-1257196.2	-330801.6
255.	-2306.6	2929.5	-8557.5	16706.2	-304810.8	16401.6
	-3508.1	4219.0	-10876.6	-15445.3	-794941.3	-151496.1
298.	-2306.6	2929.5	-8557.5	16706.2	58881.2	140905.0
	-3508.1	4219.0	-10876.6	-15445.3	-332686.5	27809.4
340.	-2306.6	2929.5	-8557.5	16706.2	422573.2	265408.4
	-3508.1	4219.0	-10876.6	-15445.3	129568.4	207114.8

Asta	396	nod	199	172		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-2939.9	9800.5	-4359.6	15138.9	-1217439.7	-2979186.9
	-2964.5	11100.0	-3064.0	-17308.2	-709290.3	-3562030.9
43.	-2939.9	9800.5	-4359.6	15138.9	-1032156.6	-2562663.6
	-2964.5	11100.0	-3064.0	-17308.2	-579068.5	-3090280.9
85.	-2939.9	9800.5	-4359.6	15138.9	-846873.5	-2146140.3
	-2964.5	11100.0	-3064.0	-17308.2	-448846.8	-2618531.0
128.	-2939.9	9800.5	-4359.6	15138.9	-661590.3	-1729617.0
	-2964.5	11100.0	-3064.0	-17308.2	-318625.1	-2146781.1

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170.	-2939.9	9800.5	-4359.6	15138.9	-476307.2	-1313093.6
	-2964.5	11100.0	-3064.0	-17308.2	-188403.4	-1675031.1
213.	-2939.9	9800.5	-4359.6	15138.9	-291024.0	-896570.3
	-2964.5	11100.0	-3064.0	-17308.2	-58181.6	-1203281.2
255.	-2939.9	9800.5	-4359.6	15138.9	-105740.9	-480047.0
	-2964.5	11100.0	-3064.0	-17308.2	72040.1	-731531.3
298.	-2939.9	9800.5	-4359.6	15138.9	79542.2	-63523.7
	-2964.5	11100.0	-3064.0	-17308.2	202261.8	-259781.3
340.	-2939.9	9800.5	-4359.6	15138.9	264825.4	352999.6
	-2964.5	11100.0	-3064.0	-17308.2	332483.5	211968.6
Asta	397	odi	200	168		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-1285.0	2156.9	-1383.6	11658.8	-639702.3	-505137.8
	-1635.8	3109.8	-1415.1	-22015.8	-603568.7	-944151.3
43.	-1285.0	2156.9	-1383.6	11658.8	-580897.7	-413471.3
	-1635.8	3109.8	-1415.1	-22015.8	-543425.2	-811983.1
85.	-1285.0	2156.9	-1383.6	11658.8	-522093.0	-321804.8
	-1635.8	3109.8	-1415.1	-22015.8	-483281.7	-679814.9
128.	-1285.0	2156.9	-1383.6	11658.8	-463288.4	-230138.2
	-1635.8	3109.8	-1415.1	-22015.8	-423138.3	-547646.7
170.	-1285.0	2156.9	-1383.6	11658.8	-404483.8	-138471.7
	-1635.8	3109.8	-1415.1	-22015.8	-362994.8	-415478.5
213.	-1285.0	2156.9	-1383.6	11658.8	-345679.2	-46805.1
	-1635.8	3109.8	-1415.1	-22015.8	-302851.3	-283310.3
255.	-1285.0	2156.9	-1383.6	11658.8	-286874.6	44861.4
	-1635.8	3109.8	-1415.1	-22015.8	-242707.8	-151142.1
298.	-1285.0	2156.9	-1383.6	11658.8	-228070.0	136528.0
	-1635.8	3109.8	-1415.1	-22015.8	-182564.3	-18973.9
340.	-1285.0	2156.9	-1383.6	11658.8	-169265.4	228194.5
	-1635.8	3109.8	-1415.1	-22015.8	-122420.9	113194.3
Asta	398	odi	205	163		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-803.8	1679.2	-5461.1	14917.1	-1739876.5	-258977.5
	-172.4	3393.7	-930.0	-18941.8	232862.7	-964476.4
43.	-803.8	1679.2	-5461.1	14917.1	-1507781.2	-187613.6
	-172.4	3393.7	-930.0	-18941.8	272388.2	-820244.1
85.	-803.8	1679.2	-5461.1	14917.1	-1275685.9	-116249.6
	-172.4	3393.7	-930.0	-18941.8	311913.7	-676011.9
128.	-803.8	1679.2	-5461.1	14917.1	-1043590.6	-44885.7
	-172.4	3393.7	-930.0	-18941.8	351439.2	-531779.6
170.	-803.8	1679.2	-5461.1	14917.1	-811495.3	26478.3
	-172.4	3393.7	-930.0	-18941.8	390964.7	-387547.3
213.	-803.8	1679.2	-5461.1	14917.1	-579400.1	97842.3
	-172.4	3393.7	-930.0	-18941.8	430490.2	-243315.1
255.	-803.8	1679.2	-5461.1	14917.1	-347304.8	169206.2
	-172.4	3393.7	-930.0	-18941.8	470015.7	-99082.8
298.	-803.8	1679.2	-5461.1	14917.1	-115209.5	240570.2
	-172.4	3393.7	-930.0	-18941.8	509541.2	45149.4
340.	-803.8	1679.2	-5461.1	14917.1	116885.8	311934.1
	-172.4	3393.7	-930.0	-18941.8	549066.7	189381.7
Asta	399	odi	204	164		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-25454.4	3990.5	-104.8	18167.3	-142322.8	-1073870.3
	-24347.2	2658.2	1246.9	-17550.3	365808.5	-360658.2
43.	-25454.4	3990.5	-104.8	18167.3	-137867.1	-904276.0
	-24347.2	2658.2	1246.9	-17550.3	312816.2	-247684.0
85.	-25454.4	3990.5	-104.8	18167.3	-133411.4	-734681.7
	-24347.2	2658.2	1246.9	-17550.3	259824.0	-134709.9
128.	-25454.4	3990.5	-104.8	18167.3	-128955.7	-565087.5
	-24347.2	2658.2	1246.9	-17550.3	206831.7	-21735.7
170.	-25454.4	3990.5	-104.8	18167.3	-124499.9	-395493.2
	-24347.2	2658.2	1246.9	-17550.3	153839.5	91238.5
213.	-25454.4	3990.5	-104.8	18167.3	-120044.2	-225898.9
	-24347.2	2658.2	1246.9	-17550.3	100847.2	204212.6
255.	-25454.4	3990.5	-104.8	18167.3	-115588.5	-56304.7
	-24347.2	2658.2	1246.9	-17550.3	47855.0	317186.8
298.	-25454.4	3990.5	-104.8	18167.3	-111132.8	113289.6
	-24347.2	2658.2	1246.9	-17550.3	-5137.3	430161.0
340.	-25454.4	3990.5	-104.8	18167.3	-106677.1	282883.9
	-24347.2	2658.2	1246.9	-17550.3	-58129.5	543135.1
Asta	400	odi	203	165		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-22852.5	4314.6	-2790.1	17433.5	-969785.4	-1108382.2
	-22130.8	3556.0	-1540.0	-18371.4	-488686.1	-689737.1
43.	-22852.5	4314.6	-2790.1	17433.5	-851207.0	-925011.8
	-22130.8	3556.0	-1540.0	-18371.4	-423235.1	-538608.4
85.	-22852.5	4314.6	-2790.1	17433.5	-732628.6	-741641.5
	-22130.8	3556.0	-1540.0	-18371.4	-357784.2	-387479.8
128.	-22852.5	4314.6	-2790.1	17433.5	-614050.1	-558271.1
	-22130.8	3556.0	-1540.0	-18371.4	-292333.2	-236351.1
170.	-22852.5	4314.6	-2790.1	17433.5	-495471.7	-374900.8
	-22130.8	3556.0	-1540.0	-18371.4	-226882.2	-85222.5
213.	-22852.5	4314.6	-2790.1	17433.5	-376893.2	-191530.4
	-22130.8	3556.0	-1540.0	-18371.4	-161431.2	65906.2
255.	-22852.5	4314.6	-2790.1	17433.5	-258314.8	-8160.0
	-22130.8	3556.0	-1540.0	-18371.4	-95980.2	217034.8
298.	-22852.5	4314.6	-2790.1	17433.5	-139736.4	175210.3
	-22130.8	3556.0	-1540.0	-18371.4	-30529.3	368163.5
340.	-22852.5	4314.6	-2790.1	17433.5	-21157.9	358580.7
	-22130.8	3556.0	-1540.0	-18371.4	34921.7	519292.1

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Asta	401	nod	202	166		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-3409.8	4509.2	-2035.3	19052.7	-727232.8	-999801.1
	-3071.0	4476.4	-1130.1	-14599.7	-284544.7	-1035882.9
43.	-3409.8	4509.2	-2035.3	19052.7	-640734.0	-808160.8
	-3071.0	4476.4	-1130.1	-14599.7	-236516.4	-845635.2
85.	-3409.8	4509.2	-2035.3	19052.7	-554235.3	-616520.5
	-3071.0	4476.4	-1130.1	-14599.7	-188488.2	-655387.5
128.	-3409.8	4509.2	-2035.3	19052.7	-467736.5	-424880.2
	-3071.0	4476.4	-1130.1	-14599.7	-140459.9	-465139.9
170.	-3409.8	4509.2	-2035.3	19052.7	-381237.8	-233239.9
	-3071.0	4476.4	-1130.1	-14599.7	-92431.7	-274892.2
213.	-3409.8	4509.2	-2035.3	19052.7	-294739.0	-41599.7
	-3071.0	4476.4	-1130.1	-14599.7	-44403.5	-84644.5
255.	-3409.8	4509.2	-2035.3	19052.7	-208240.2	150040.6
	-3071.0	4476.4	-1130.1	-14599.7	3624.8	105603.2
298.	-3409.8	4509.2	-2035.3	19052.7	-121741.5	341680.9
	-3071.0	4476.4	-1130.1	-14599.7	51653.0	295850.9
340.	-3409.8	4509.2	-2035.3	19052.7	-35242.7	533321.2
	-3071.0	4476.4	-1130.1	-14599.7	99681.2	486098.6

Asta	402	nod	206	169		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-31864.2	-3300.8	5491.0	2525.9	1645980.5	534060.9
	-31702.3	-3290.9	524.7	-14188.2	-42694.8	533614.5
43.	-31864.2	-3300.8	5491.0	2525.9	1412612.9	393776.7
	-31702.3	-3290.9	524.7	-14188.2	-64995.1	393751.4
85.	-31864.2	-3300.8	5491.0	2525.9	1179245.3	253492.5
	-31702.3	-3290.9	524.7	-14188.2	-87295.5	253888.3
128.	-31864.2	-3300.8	5491.0	2525.9	945877.7	113208.2
	-31702.3	-3290.9	524.7	-14188.2	-109595.8	114025.3
170.	-31864.2	-3300.8	5491.0	2525.9	712510.0	-27076.0
	-31702.3	-3290.9	524.7	-14188.2	-131896.1	-25837.8
213.	-31864.2	-3300.8	5491.0	2525.9	479142.4	-167360.2
	-31702.3	-3290.9	524.7	-14188.2	-154196.5	-165700.8
255.	-31864.2	-3300.8	5491.0	2525.9	245774.8	-307644.5
	-31702.3	-3290.9	524.7	-14188.2	-176496.8	-305563.9
298.	-31864.2	-3300.8	5491.0	2525.9	12407.2	-447928.7
	-31702.3	-3290.9	524.7	-14188.2	-198797.1	-445427.0
340.	-31864.2	-3300.8	5491.0	2525.9	-220960.5	-588212.9
	-31702.3	-3290.9	524.7	-14188.2	-221097.5	-585290.0

Asta	403	nod	201	167		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-14326.6	2980.2	4299.8	15881.5	1195489.2	-595038.3
	-14292.8	2981.6	3851.4	-3046.7	1088313.6	-594938.7
43.	-14326.6	2980.2	4299.8	15881.5	1012748.0	-468378.7
	-14292.8	2981.6	3851.4	-3046.7	924628.5	-468222.3
85.	-14326.6	2980.2	4299.8	15881.5	830006.8	-341719.0
	-14292.8	2981.6	3851.4	-3046.7	760943.4	-341505.8
128.	-14326.6	2980.2	4299.8	15881.5	647265.6	-215059.3
	-14292.8	2981.6	3851.4	-3046.7	597258.3	-214789.4
170.	-14326.6	2980.2	4299.8	15881.5	464524.3	-88399.6
	-14292.8	2981.6	3851.4	-3046.7	433573.3	-88073.0
213.	-14326.6	2980.2	4299.8	15881.5	281783.1	38260.1
	-14292.8	2981.6	3851.4	-3046.7	269888.2	38643.4
255.	-14326.6	2980.2	4299.8	15881.5	99041.9	164919.8
	-14292.8	2981.6	3851.4	-3046.7	106203.1	165359.8
298.	-14326.6	2980.2	4299.8	15881.5	-83699.4	291579.5
	-14292.8	2981.6	3851.4	-3046.7	-57482.0	292076.3
340.	-14326.6	2980.2	4299.8	15881.5	-266440.6	418239.2
	-14292.8	2981.6	3851.4	-3046.7	-221167.0	418792.7

Asta	404	nod	1	205		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-46.7	5456.5	177.9	54906.9	1040.5	-474640.0
	-44.7	6479.7	122.6	39262.2	632.0	-516288.6
9.	-46.7	5456.5	177.9	54906.9	-532.1	-426410.5
	-44.7	6479.7	122.6	39262.2	-451.9	-459015.5
18.	-46.7	5456.5	177.9	54906.9	-2104.7	-378181.0
	-44.7	6479.7	122.6	39262.2	-1535.8	-401742.4
27.	-46.7	5456.5	177.9	54906.9	-3677.2	-329951.5
	-44.7	6479.7	122.6	39262.2	-2619.7	-344469.3
35.	-46.7	5456.5	177.9	54906.9	-5249.8	-281722.0
	-44.7	6479.7	122.6	39262.2	-3703.6	-287196.2
44.	-46.7	5456.5	177.9	54906.9	-6822.4	-233492.6
	-44.7	6479.7	122.6	39262.2	-4787.5	-229923.1
53.	-46.7	5456.5	177.9	54906.9	-8394.9	-185263.1
	-44.7	6479.7	122.6	39262.2	-5871.4	-172650.0
62.	-46.7	5456.5	177.9	54906.9	-9967.5	-137033.6
	-44.7	6479.7	122.6	39262.2	-6955.3	-115377.0
71.	-46.7	5456.5	177.9	54906.9	-11540.0	-88804.1
	-44.7	6479.7	122.6	39262.2	-8039.2	-58103.9

Asta	405	nod	5	204		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-43.3	-6639.2	11.9	7606.7	-253.0	86760.2
	-62.5	-6589.9	-81.4	14705.9	-430.4	87612.3
6.	-43.3	-6639.2	11.9	7606.7	-327.5	45265.0
	-62.5	-6589.9	-81.4	14705.9	78.0	46425.4
13.	-43.3	-6639.2	11.9	7606.7	-401.9	3769.7
	-62.5	-6589.9	-81.4	14705.9	586.5	5238.6
19.	-43.3	-6639.2	11.9	7606.7	-476.3	-37725.5

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25.	-62.5	-6589.9	-81.4	14705.9	1094.9	-35948.3
	-43.3	-6639.2	11.9	7606.7	-550.8	-79220.8
31.	-62.5	-6589.9	-81.4	14705.9	1603.4	-77135.2
	-43.3	-6639.2	11.9	7606.7	-625.2	-120716.0
38.	-62.5	-6589.9	-81.4	14705.9	2111.8	-118322.0
	-43.3	-6639.2	11.9	7606.7	-699.6	-162211.2
44.	-62.5	-6589.9	-81.4	14705.9	2620.3	-159508.9
	-43.3	-6639.2	11.9	7606.7	-774.1	-203706.5
50.	-62.5	-6589.9	-81.4	14705.9	3128.8	-200695.8
	-43.3	-6639.2	11.9	7606.7	-848.5	-245201.7
	-62.5	-6589.9	-81.4	14705.9	3637.2	-241882.6
Asta	406	nodì	57	203		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-67.3	-6767.5	88.8	141641.0	583.0	92606.8
	-77.5	-6748.3	4.0	147202.0	438.7	93309.1
6.	-67.3	-6767.5	88.8	141641.0	28.3	50310.0
	-77.5	-6748.3	4.0	147202.0	413.5	51132.2
13.	-67.3	-6767.5	88.8	141641.0	-526.4	8013.3
	-77.5	-6748.3	4.0	147202.0	388.3	8955.4
19.	-67.3	-6767.5	88.8	141641.0	-1081.1	-34283.5
	-77.5	-6748.3	4.0	147202.0	363.2	-33221.5
25.	-67.3	-6767.5	88.8	141641.0	-1635.8	-76580.2
	-77.5	-6748.3	4.0	147202.0	338.0	-75398.3
31.	-67.3	-6767.5	88.8	141641.0	-2190.5	-118877.0
	-77.5	-6748.3	4.0	147202.0	312.8	-117575.2
38.	-67.3	-6767.5	88.8	141641.0	-2745.2	-161173.8
	-77.5	-6748.3	4.0	147202.0	287.6	-159752.0
44.	-67.3	-6767.5	88.8	141641.0	-3299.9	-203470.5
	-77.5	-6748.3	4.0	147202.0	262.5	-201928.8
50.	-67.3	-6767.5	88.8	141641.0	-3854.6	-245767.3
	-77.5	-6748.3	4.0	147202.0	237.3	-244105.7
Asta	407	nodì	9	202		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-45.4	2969.7	-167.8	25527.5	-1399.0	-365312.1
	-41.2	3062.1	-230.1	27871.4	-1764.1	-365460.5
9.	-45.4	2969.7	-167.8	25527.5	84.3	-339063.0
	-41.2	3062.1	-230.1	27871.4	270.2	-338395.5
18.	-45.4	2969.7	-167.8	25527.5	1567.6	-312813.9
	-41.2	3062.1	-230.1	27871.4	2304.4	-311330.5
27.	-45.4	2969.7	-167.8	25527.5	3050.9	-286564.8
	-41.2	3062.1	-230.1	27871.4	4338.7	-284265.5
35.	-45.4	2969.7	-167.8	25527.5	4534.2	-260315.7
	-41.2	3062.1	-230.1	27871.4	6372.9	-257200.5
44.	-45.4	2969.7	-167.8	25527.5	6017.5	-234066.6
	-41.2	3062.1	-230.1	27871.4	8407.2	-230135.5
53.	-45.4	2969.7	-167.8	25527.5	7500.8	-207817.5
	-41.2	3062.1	-230.1	27871.4	10441.4	-203070.5
62.	-45.4	2969.7	-167.8	25527.5	8984.1	-181568.3
	-41.2	3062.1	-230.1	27871.4	12475.7	-176005.5
71.	-45.4	2969.7	-167.8	25527.5	10467.4	-155319.2
	-41.2	3062.1	-230.1	27871.4	14509.9	-148940.5
Asta	408	nodì	11	201		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	9.4	4140.5	-1078.0	-168191.5	-6010.5	-539767.2
	8.1	4137.0	-1076.4	-169180.8	-5587.9	-539937.7
6.	9.4	4140.5	-1078.0	-168191.5	727.3	-513889.3
	8.1	4137.0	-1076.4	-169180.8	1139.3	-514081.2
13.	9.4	4140.5	-1078.0	-168191.5	7465.0	-488011.4
	8.1	4137.0	-1076.4	-169180.8	7866.5	-488224.6
19.	9.4	4140.5	-1078.0	-168191.5	14202.8	-462133.5
	8.1	4137.0	-1076.4	-169180.8	14593.8	-462368.1
25.	9.4	4140.5	-1078.0	-168191.5	20940.5	-436255.7
	8.1	4137.0	-1076.4	-169180.8	21321.0	-436511.6
31.	9.4	4140.5	-1078.0	-168191.5	27678.3	-410377.8
	8.1	4137.0	-1076.4	-169180.8	28048.2	-410655.0
38.	9.4	4140.5	-1078.0	-168191.5	34416.0	-384499.9
	8.1	4137.0	-1076.4	-169180.8	34775.4	-384798.5
44.	9.4	4140.5	-1078.0	-168191.5	41153.7	-358622.0
	8.1	4137.0	-1076.4	-169180.8	41502.7	-358941.9
50.	9.4	4140.5	-1078.0	-168191.5	47891.5	-332744.2
	8.1	4137.0	-1076.4	-169180.8	48229.9	-333085.4
Asta	409	nodì	200	35		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-0.4	-2900.7	300.9	136090.3	20022.3	-98846.8
	-1.7	-2801.2	238.3	138640.7	15942.7	-106343.5
9.	-0.4	-2900.7	300.9	136090.3	17363.1	-124485.8
	-1.7	-2801.2	238.3	138640.7	13836.7	-131102.5
18.	-0.4	-2900.7	300.9	136090.3	14703.9	-150124.8
	-1.7	-2801.2	238.3	138640.7	11730.8	-155861.6
27.	-0.4	-2900.7	300.9	136090.3	12044.6	-175763.8
	-1.7	-2801.2	238.3	138640.7	9624.8	-180620.6
35.	-0.4	-2900.7	300.9	136090.3	9385.4	-201402.8
	-1.7	-2801.2	238.3	138640.7	7518.8	-205379.6
44.	-0.4	-2900.7	300.9	136090.3	6726.2	-227041.8
	-1.7	-2801.2	238.3	138640.7	5412.8	-230138.6
53.	-0.4	-2900.7	300.9	136090.3	4067.0	-252680.8
	-1.7	-2801.2	238.3	138640.7	3306.8	-254897.6
62.	-0.4	-2900.7	300.9	136090.3	1407.8	-278319.8
	-1.7	-2801.2	238.3	138640.7	1200.8	-279656.6
71.	-0.4	-2900.7	300.9	136090.3	-1251.5	-303958.8

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	-1.7	-2801.2	238.3	138640.7	-905.2	-304415.6
Asta	410	nod	199	39		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-102.7	-2595.2	77.5	-131375.5	4696.8	-167507.0
	-93.0	-2622.5	15.3	-125127.1	769.5	-167255.5
9.	-102.7	-2595.2	77.5	-131375.5	4012.2	-190445.1
	-93.0	-2622.5	15.3	-125127.1	634.7	-190435.4
18.	-102.7	-2595.2	77.5	-131375.5	3327.7	-213383.2
	-93.0	-2622.5	15.3	-125127.1	499.9	-213615.3
27.	-102.7	-2595.2	77.5	-131375.5	2643.1	-236321.3
	-93.0	-2622.5	15.3	-125127.1	365.0	-236795.2
35.	-102.7	-2595.2	77.5	-131375.5	1958.5	-259259.4
	-93.0	-2622.5	15.3	-125127.1	230.2	-259975.1
44.	-102.7	-2595.2	77.5	-131375.5	1274.0	-282197.6
	-93.0	-2622.5	15.3	-125127.1	95.4	-283155.1
53.	-102.7	-2595.2	77.5	-131375.5	589.4	-305135.7
	-93.0	-2622.5	15.3	-125127.1	-39.4	-306335.0
62.	-102.7	-2595.2	77.5	-131375.5	-95.2	-328073.8
	-93.0	-2622.5	15.3	-125127.1	-174.2	-329514.9
71.	-102.7	-2595.2	77.5	-131375.5	-779.7	-351011.9
	-93.0	-2622.5	15.3	-125127.1	-309.1	-352694.8
Asta	411	nod	198	41		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	-106.3	-2805.0	-1.2	129316.9	221.6	-147415.3
	-98.9	-2503.8	-75.4	128246.0	-4507.7	-168261.9
9.	-106.3	-2805.0	-1.2	129316.9	232.6	-172208.3
	-98.9	-2503.8	-75.4	128246.0	-3841.5	-190392.7
18.	-106.3	-2805.0	-1.2	129316.9	243.6	-197001.2
	-98.9	-2503.8	-75.4	128246.0	-3175.3	-212523.5
27.	-106.3	-2805.0	-1.2	129316.9	254.7	-221794.2
	-98.9	-2503.8	-75.4	128246.0	-2509.1	-234654.2
35.	-106.3	-2805.0	-1.2	129316.9	265.7	-246587.2
	-98.9	-2503.8	-75.4	128246.0	-1843.0	-256785.0
44.	-106.3	-2805.0	-1.2	129316.9	276.7	-271380.2
	-98.9	-2503.8	-75.4	128246.0	-1176.8	-278915.8
53.	-106.3	-2805.0	-1.2	129316.9	287.7	-296173.2
	-98.9	-2503.8	-75.4	128246.0	-510.6	-301046.6
62.	-106.3	-2805.0	-1.2	129316.9	298.7	-320966.2
	-98.9	-2503.8	-75.4	128246.0	155.6	-323177.4
71.	-106.3	-2805.0	-1.2	129316.9	309.7	-345759.2
	-98.9	-2503.8	-75.4	128246.0	821.8	-345308.1
Asta	412	nod	197	45		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	10.3	-2574.4	-192.2	-134249.9	-11998.6	-86444.4
	7.8	-2334.7	-248.4	-121290.5	-15413.6	-103541.1
9.	10.3	-2574.4	-192.2	-134249.9	-10299.5	-109199.2
	7.8	-2334.7	-248.4	-121290.5	-13217.9	-124177.2
18.	10.3	-2574.4	-192.2	-134249.9	-8600.4	-131953.9
	7.8	-2334.7	-248.4	-121290.5	-11022.1	-144813.4
27.	10.3	-2574.4	-192.2	-134249.9	-6901.2	-154708.6
	7.8	-2334.7	-248.4	-121290.5	-8826.4	-165449.6
35.	10.3	-2574.4	-192.2	-134249.9	-5202.1	-177463.3
	7.8	-2334.7	-248.4	-121290.5	-6630.6	-186085.7
44.	10.3	-2574.4	-192.2	-134249.9	-3502.9	-200218.0
	7.8	-2334.7	-248.4	-121290.5	-4434.9	-206721.9
53.	10.3	-2574.4	-192.2	-134249.9	-1803.8	-222972.8
	7.8	-2334.7	-248.4	-121290.5	-2239.2	-227358.1
62.	10.3	-2574.4	-192.2	-134249.9	-104.7	-245727.5
	7.8	-2334.7	-248.4	-121290.5	-43.4	-247994.3
71.	10.3	-2574.4	-192.2	-134249.9	1594.5	-268482.2
	7.8	-2334.7	-248.4	-121290.5	2152.3	-268630.4
Asta	413	nod	206	105		
PROGR.	NORM	TYT	TZZ	TORS	MYT	MZZ
0.	11.0	-16889.7	1102.7	178925.9	50106.3	-146103.2
	10.6	-16747.0	771.3	205876.3	32768.9	-146246.0
6.	11.0	-16889.7	1102.7	178925.9	43214.5	-251663.7
	10.6	-16747.0	771.3	205876.3	27948.5	-250914.9
13.	11.0	-16889.7	1102.7	178925.9	36322.7	-357224.1
	10.6	-16747.0	771.3	205876.3	23128.0	-355583.8
19.	11.0	-16889.7	1102.7	178925.9	29430.9	-462784.6
	10.6	-16747.0	771.3	205876.3	18307.5	-460252.8
25.	11.0	-16889.7	1102.7	178925.9	22539.1	-568345.1
	10.6	-16747.0	771.3	205876.3	13487.0	-564921.7
31.	11.0	-16889.7	1102.7	178925.9	15647.3	-673905.5
	10.6	-16747.0	771.3	205876.3	8666.5	-669590.6
38.	11.0	-16889.7	1102.7	178925.9	8755.5	-779466.0
	10.6	-16747.0	771.3	205876.3	3846.0	-774259.5
44.	11.0	-16889.7	1102.7	178925.9	1863.7	-885026.4
	10.6	-16747.0	771.3	205876.3	-974.4	-878928.4
50.	11.0	-16889.7	1102.7	178925.9	-5028.1	-990586.9
	10.6	-16747.0	771.3	205876.3	-5794.9	-983597.4

INVILUPPI SOLLECITAZIONI MEMBRATURE SISMORESISTENTI

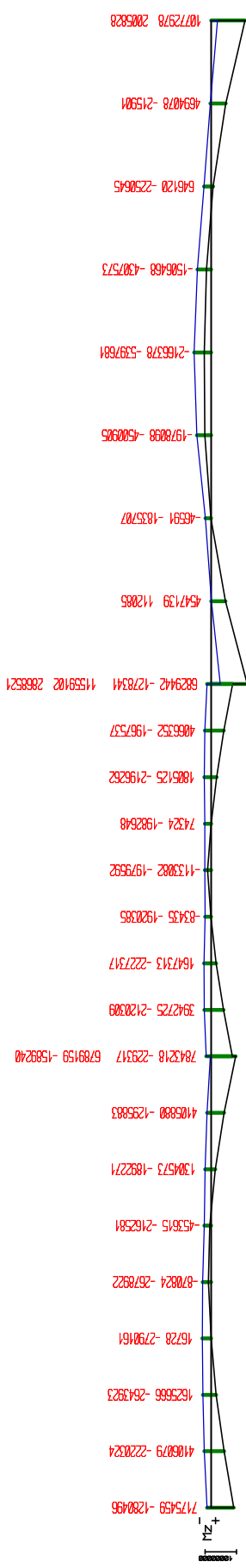
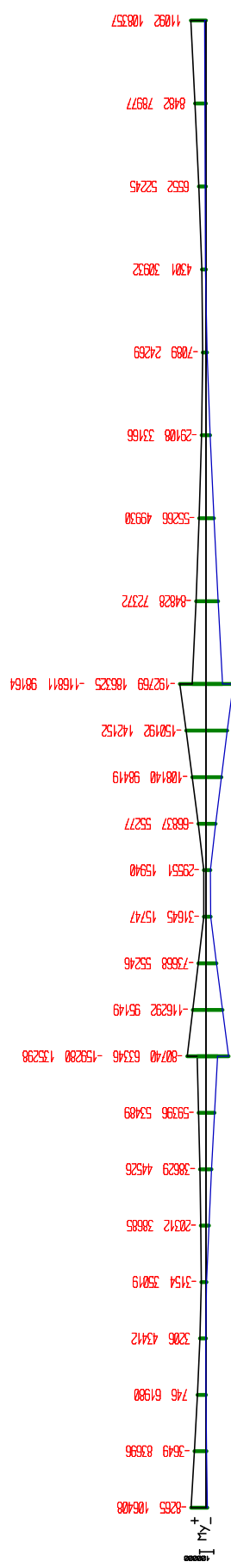
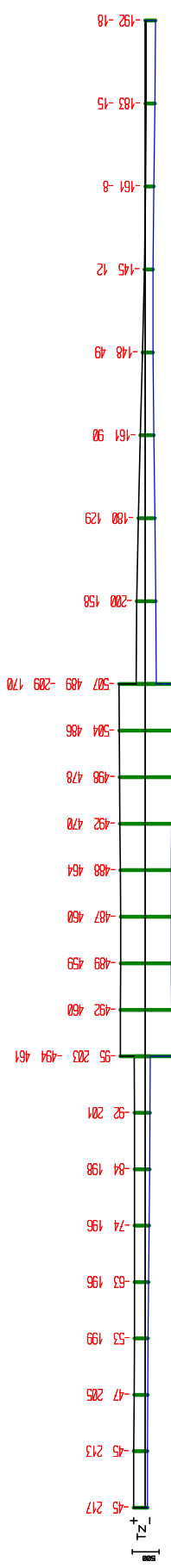
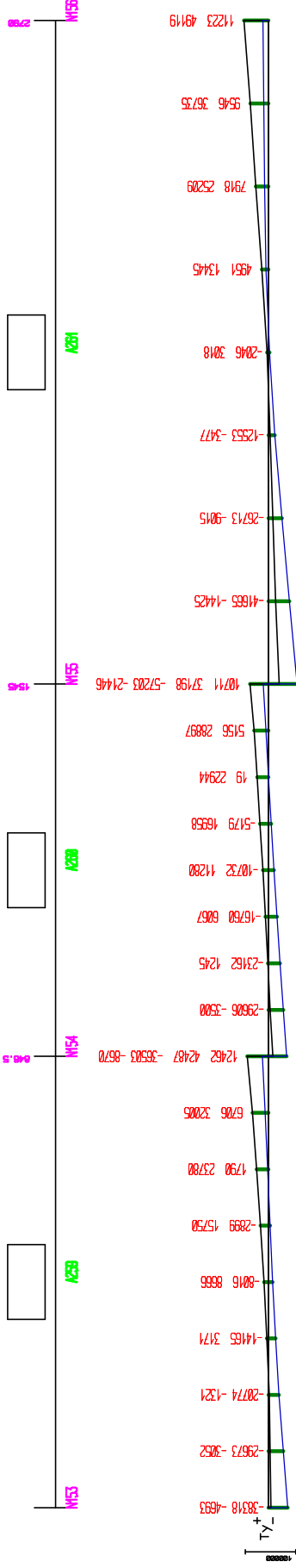
Si riportano nel seguito i diagrammi di involuppo delle sollecitazioni di tutti i casi di carico considerati (comprese naturalmente le azioni sismiche) delle membrature strutturali di nuova progettazione, con funzione sismoresistente (setti verticali in c.a. e fondazioni).

Non si riporta il dettaglio tabellare delle sollecitazioni sismiche in quanto sono presenti 16 autovettori per ciascun sestetto di sollecitazioni delle aste, con un numero quindi troppo elevato di dati, di difficile comprensione e in ogni caso non fondamentali per le verifiche strutturali riportate nel seguito, che considerano le sollecitazioni massime e quindi le situazioni maggiormente critiche.

64 - Travata T032

Unità di misura: cm, dati; deflcam; deformale in Micron

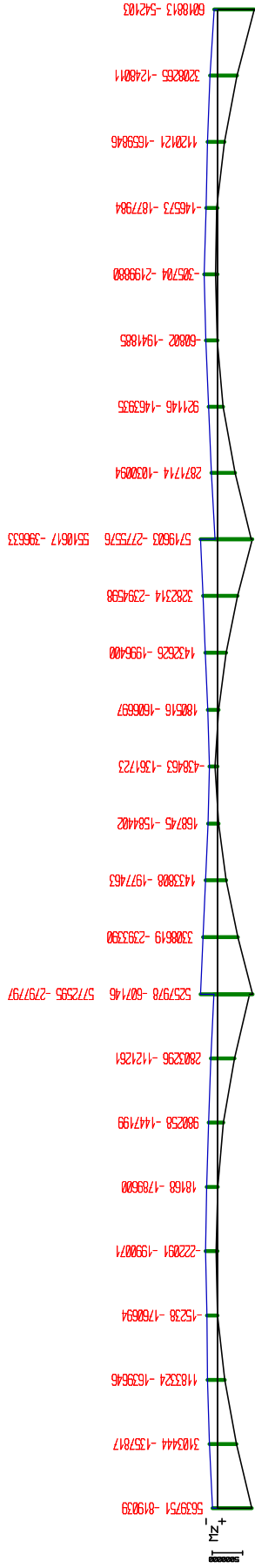
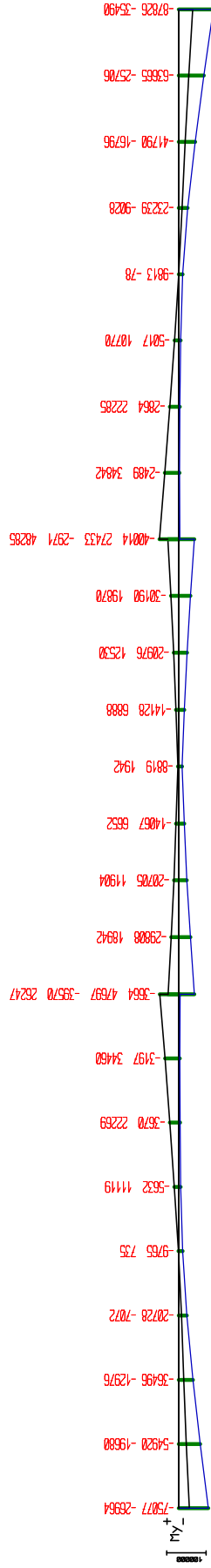
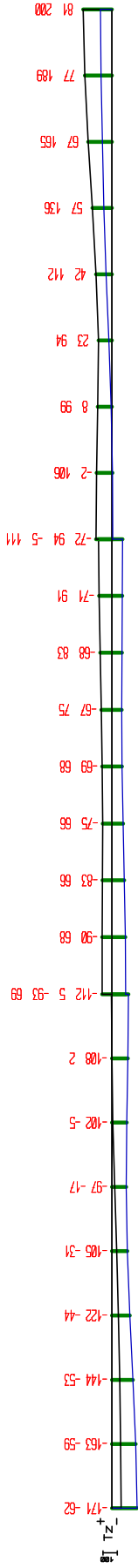
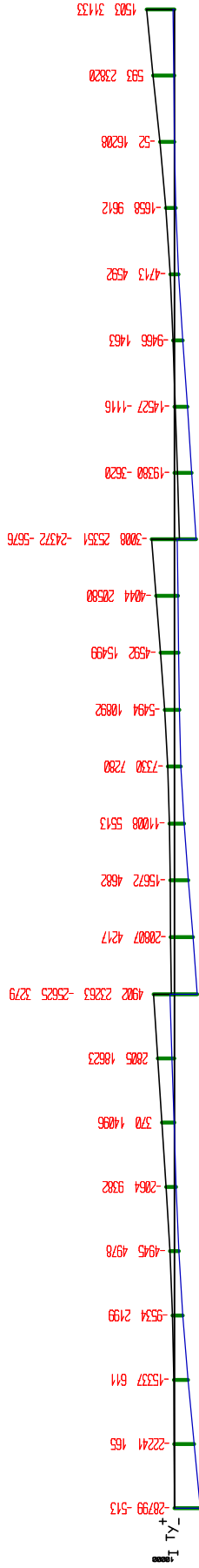
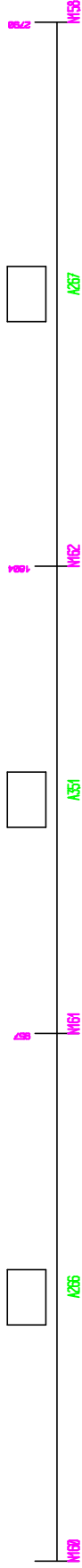
CASI DI CARICO:
 1 - SLU VENTRO
 2 - SLU VENTRO
 3 - SLU VENTRO
 4 - SLU con SISMAV PRINC - saret(1 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
 5 - SLU con SISMAV PRINC - saret(1 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
 6 - SLU con SISMAV PRINC - saret(1 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
 7 - SLU con SISMAV PRINC - saret(1 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16



65 - Travate 1033

Unità di misura: cm; dati: originali; deformate in micron

CASI DI CARICO:
1 - SLU
2 - SLO
3 - SLO VENTRO
4 - SLO VENTRO
5 - SLO VENTRO
6 - SLU con SINISTRA PRINC - sestielli 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
7 - SLU con SINISTRA PRINC - sestielli 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

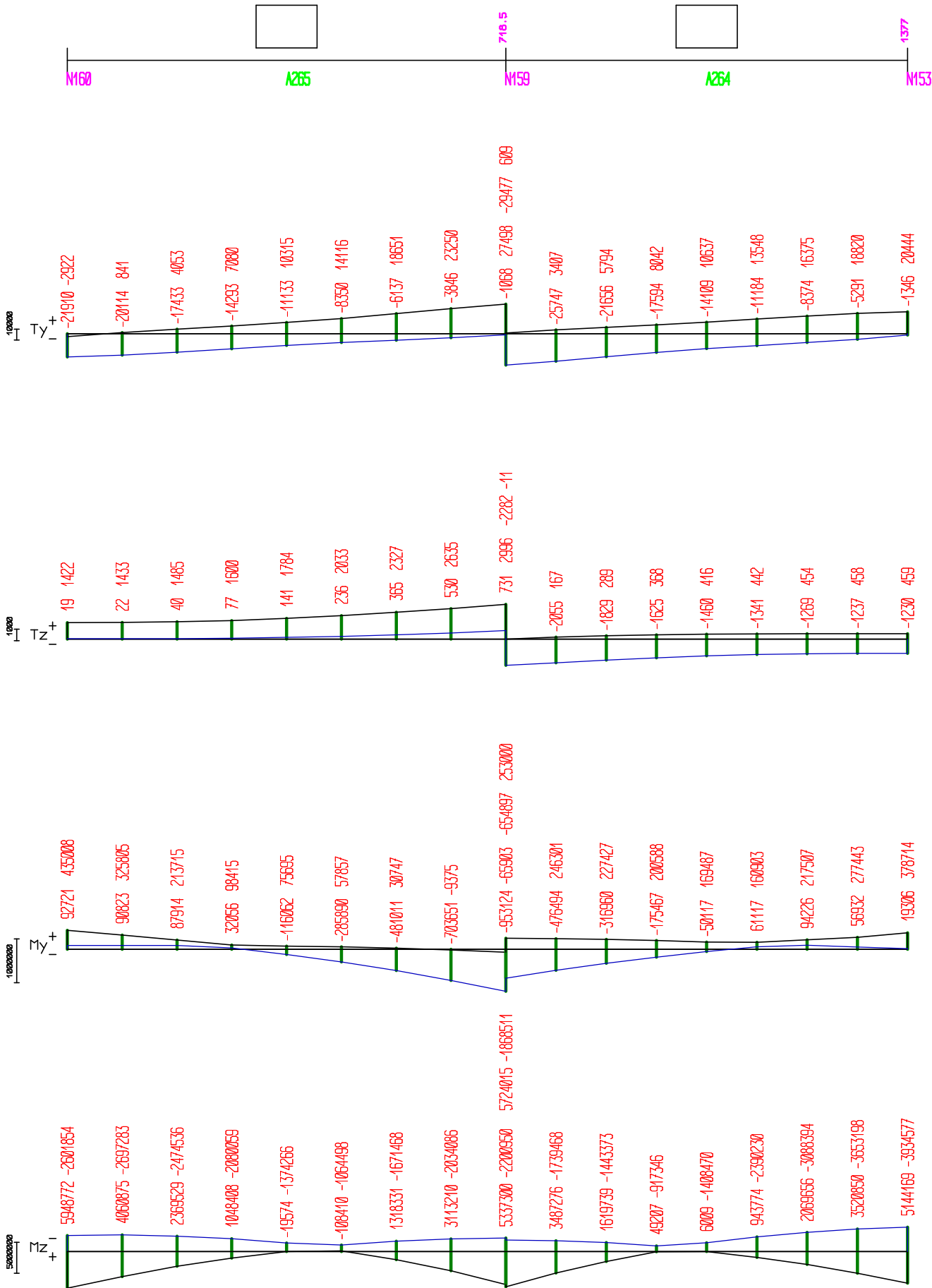


66 - Travata T034

Unita' di misura: cm; daN; daN*cm; deformate in Micron

CASI DI CARICO:

1 - SLU	- sestetti 1
2 - SLU VENTOX	- sestetti 1 2
3 - SLU VENTOX	- sestetti 1 2
6 - SLU con SISMAX PRINC	- sestetti 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
7 - SLU con SISMAX PRINC	- sestetti 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

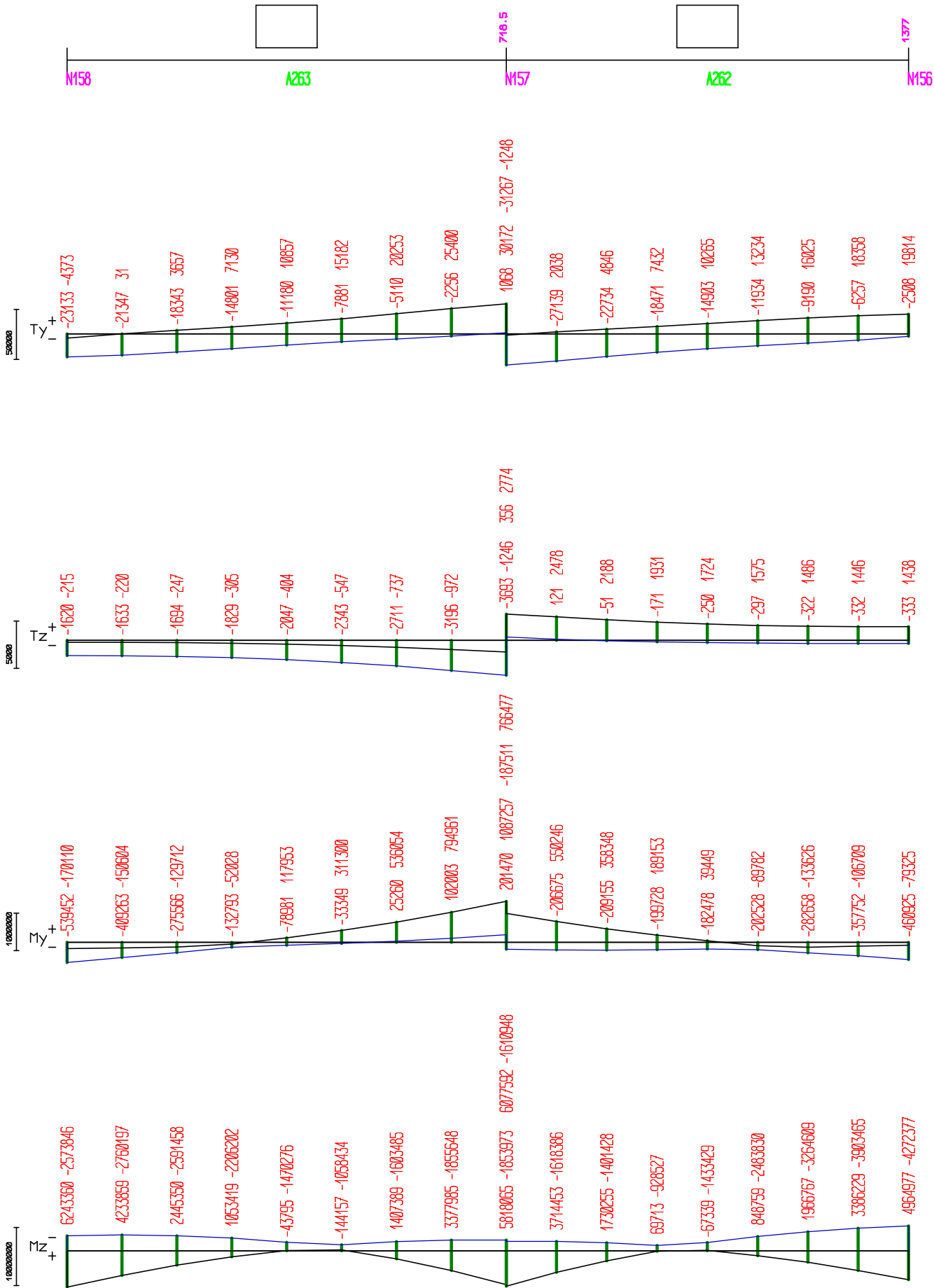


67 - Travata T035

Unità di misure: cm; daN; daN/cm; deformate in Micron

CASI DI CARICO:

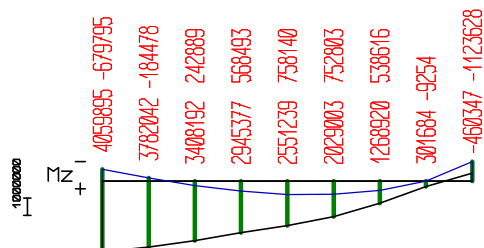
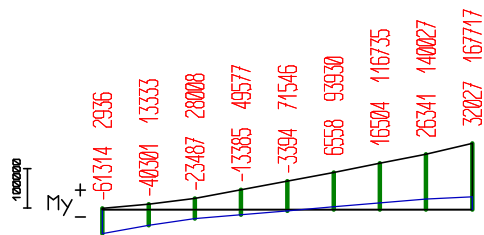
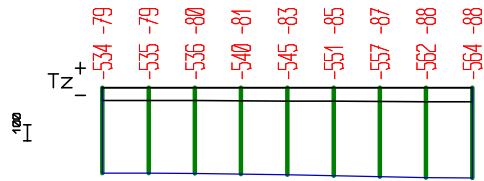
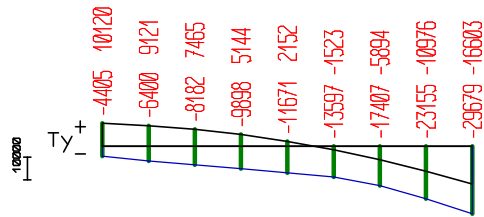
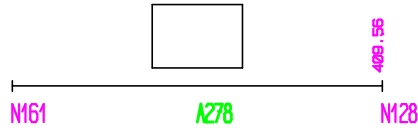
1 - SLU	- sestetti 1
2 - SLU VENTOX	- sestetti 1 2
3 - SLU VENTDY	- sestetti 1 2
6 - SLU con SISMAX PRINC	- sestetti 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
7 - SLU con SISMAX PRINC	- sestetti 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16



68 - Travata T036

Unità di misura: cm; daN; daN/cm; deformato in Micron
 CASI DI CARICO:

1 - SLU	- sestettili 1
2 - SLU VENTOX	- sestettili 1 2
3 - SLU VENTOX	- sestettili 1 2
6 - SLU con SISMAX PRINC	- sestettili 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
7 - SLU con SISMAX PRINC	- sestettili 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

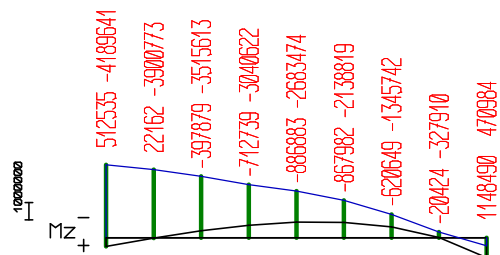
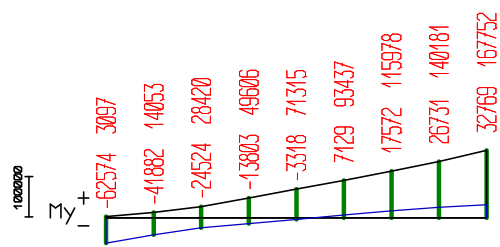
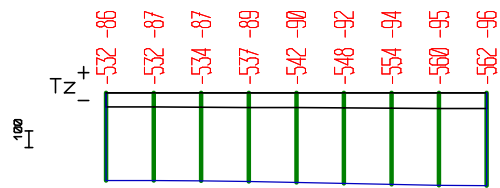
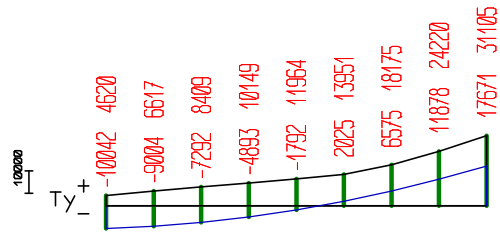
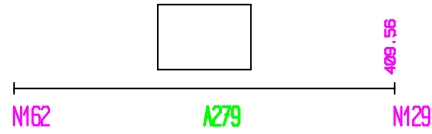


69 - Travata T037

Unita' di misura: cm; daN; daN*cm; deformato in Micron

CASI DI CARICO:

1 - SLU	- sestetti 1
2 - SLU VENTOX	- sestetti 1 2
3 - SLU VENTOY	- sestetti 1 2
6 - SLU con SISMAX PRINC	- sestetti 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
7 - SLU con SISMAX PRINC	- sestetti 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

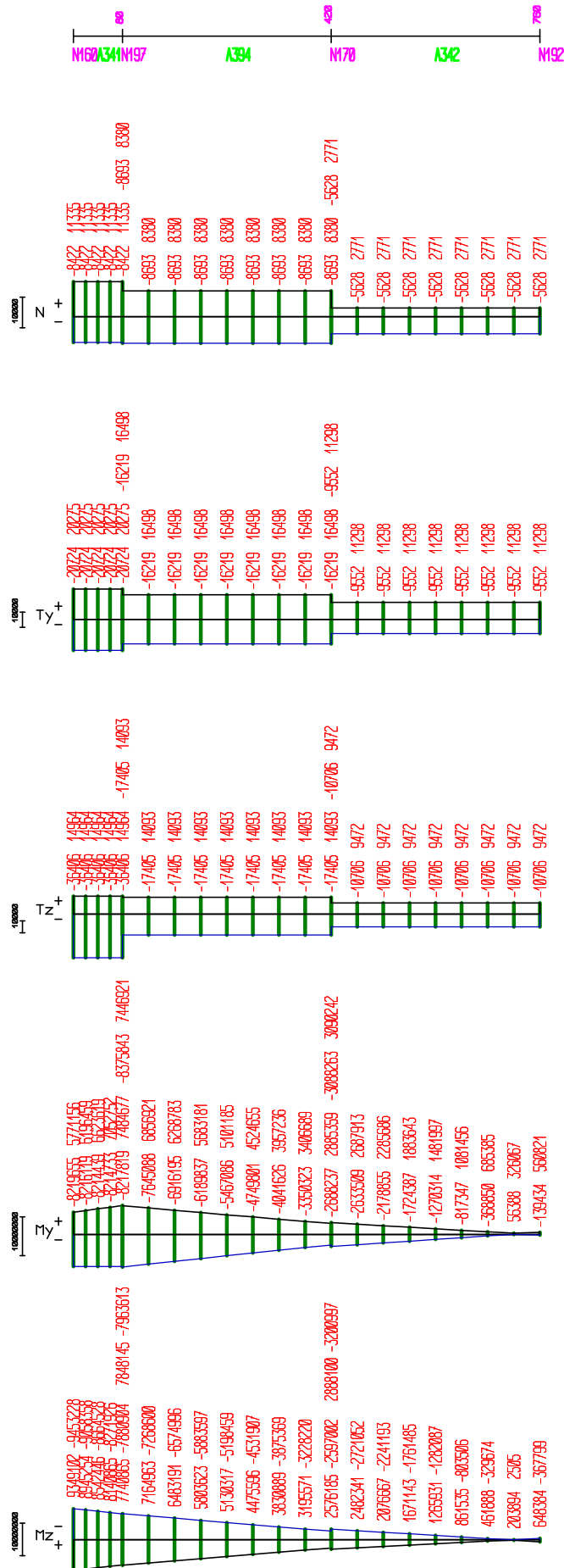


70 - Pilastrata P033

Unita' di misura: cm; daN; daN/cm; deformate in Micron

CASI DI CARICO:

1 - SLU	- sestettili 1
2 - SLU VENTOX	- sestettili 1 2
3 - SLU VENTOX	- sestettili 1 2
6 - SLU con SISHAY PRINE	- sestettili 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
7 - SLU con SISHAY PRINE	- sestettili 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16



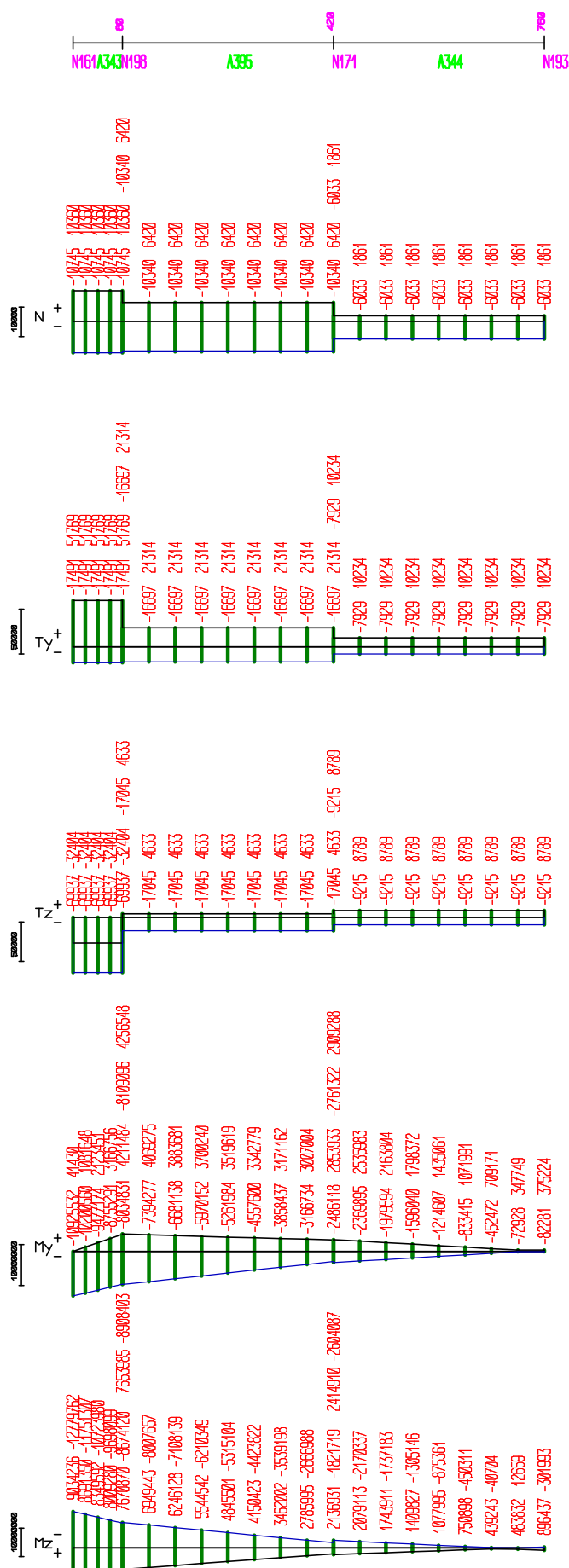
Unità di misure: cm; daN; daN*cm; deformato in Micron
CASI DI CARICO:

Unità di misura:
CASI DI CARICO:

```

1 - SLU                - sestetti 1
2 - SLU VENTOX         - sestetti 1 2
3 - SLU VENTONY        - sestetti 1 2
6 - SLU con SISMAY PRINC - sestetti 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
7 - SLU con SISMAY PRINC - sestetti 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

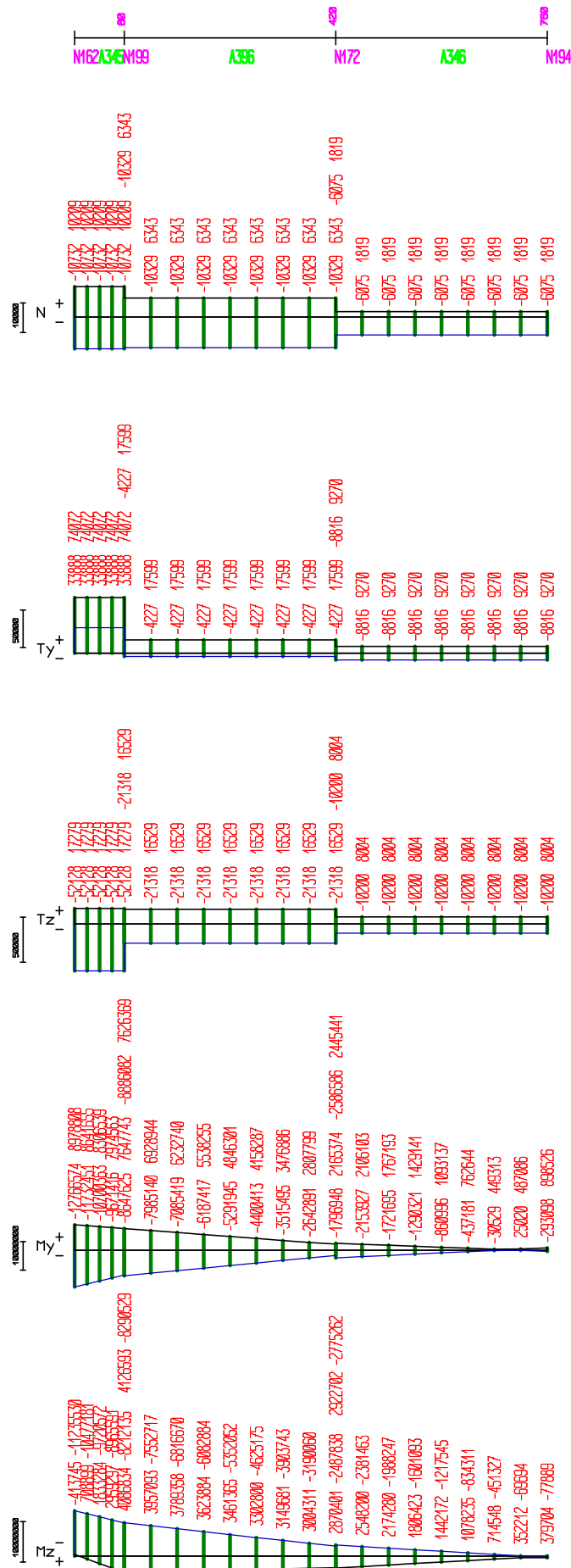
```



Unità di misura: cm; daN; daN*cm; deformate in Micron
CASI DI CARICO:

CASI DI CARICO:

1 - SLU	- sestetti	1
2 - SLU VENTOX	- sestetti	1 2
3 - SLU VENTOX	- sestetti	1 2
6 - SLU con SISMAX PRINC	- sestetti	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
7 - SLU con SISMAX PRINC	- sestetti	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

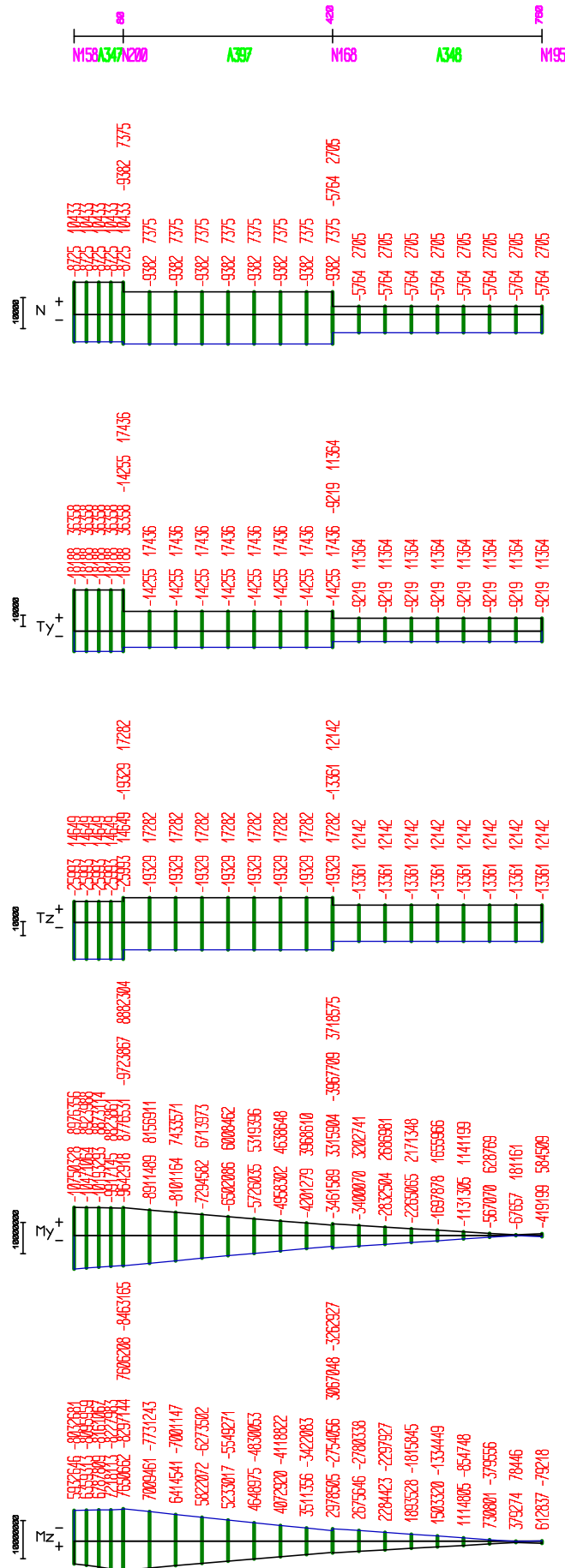


73 - Pilastrata P036

Unità di misura: cm; daN; daN/cm; deformati in Micron

CASI DI CARICO:

- 1 - SLU - sasetti 1
- 2 - SLU VENTOX - sasetti 1 2
- 3 - SLU VENTOX - sasetti 1 2
- 6 - SLU con SISMAX PRINC - sasetti 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
- 7 - SLU con SISMAX PRINC - sasetti 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16



74 - Pilastrata P037

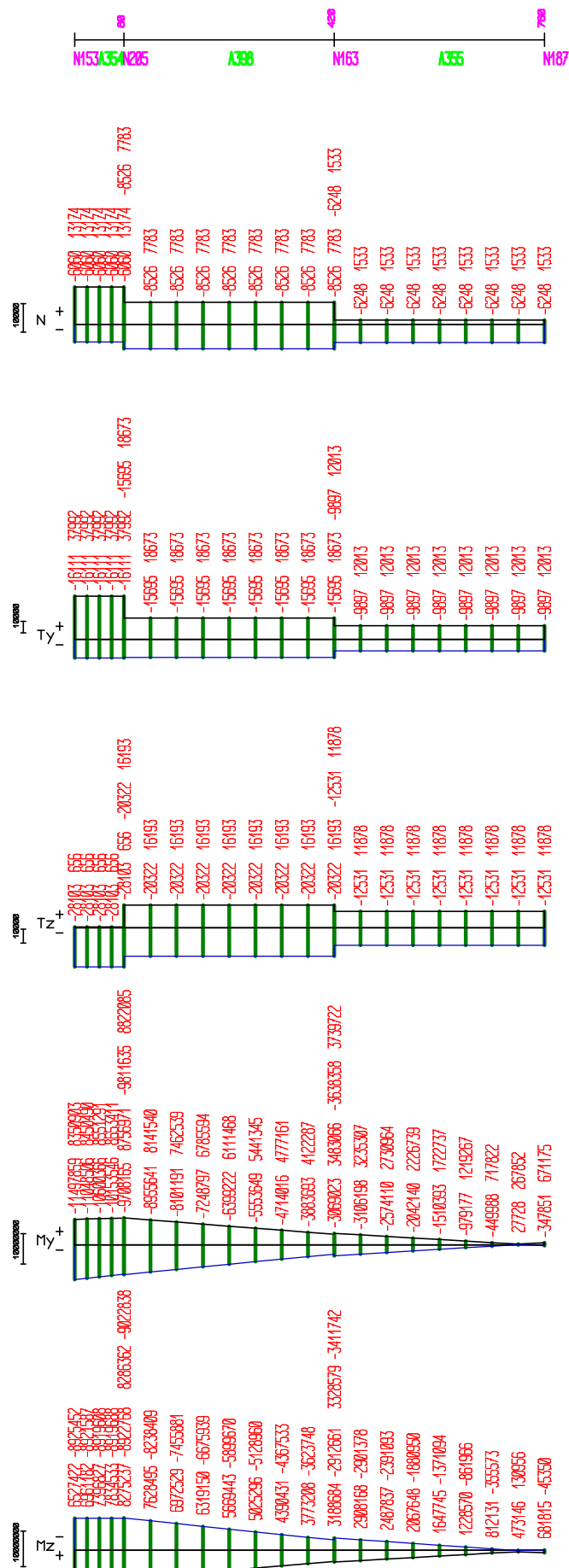
Unità di misura: cm; daN; daN*cm; deformate in Micron

CASI DI CARICO:

```

1 - SLU                      - sestetti 1
2 - SLU VENTOX               - sestetti 1 2
3 - SLU VENTODY              - sestetti 1 2
6 - SLU con SISMAX PRINC     - sestetti 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
7 - SLU con SISMAX PRINC     - sestetti 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

```



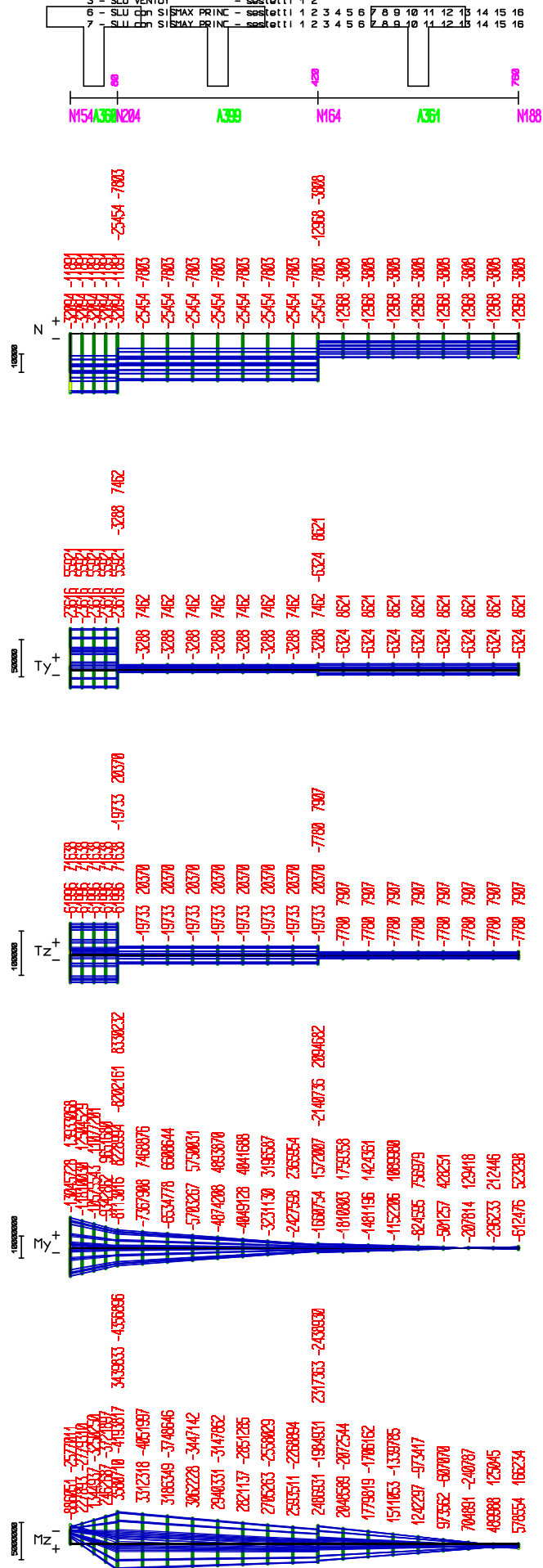
75 - Pilastrata P038

Unità di misura: cm; daN; daN/cm; deformate in Micron

CASI DI CARICO:

- 1 - SLU
- 2 - SLU VENTOX
- 3 - SLU VENTOX
- 6 - SLU con SIFIA PRINC
- 7 - SLU con SIFIA PRINC

- sestettili 1
- sestettili 1 2
- sestettili 1 2
- sestettili 1 2 3 4 5 6
- sestettili 1 2 3 4 5 6

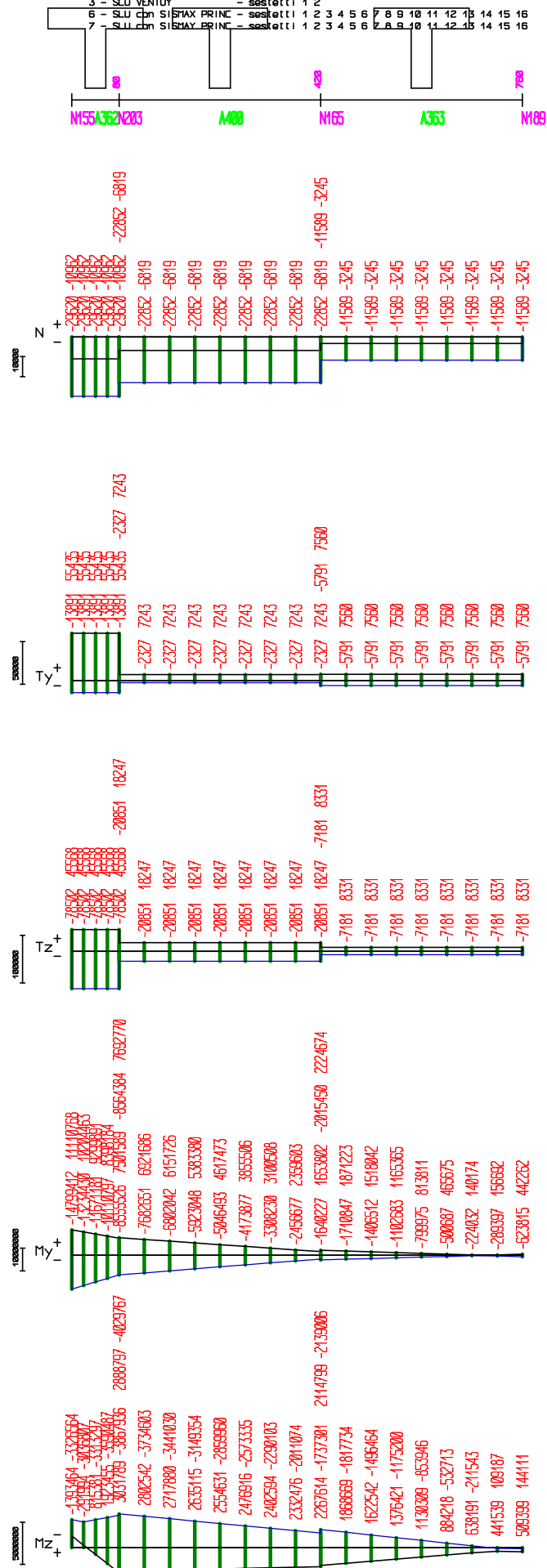


Unità di misura: cm; daN; daN*cm; deformato in Micron
CASI DI CARICO:

CASI DI CARICO:

CASI DI CARICO:

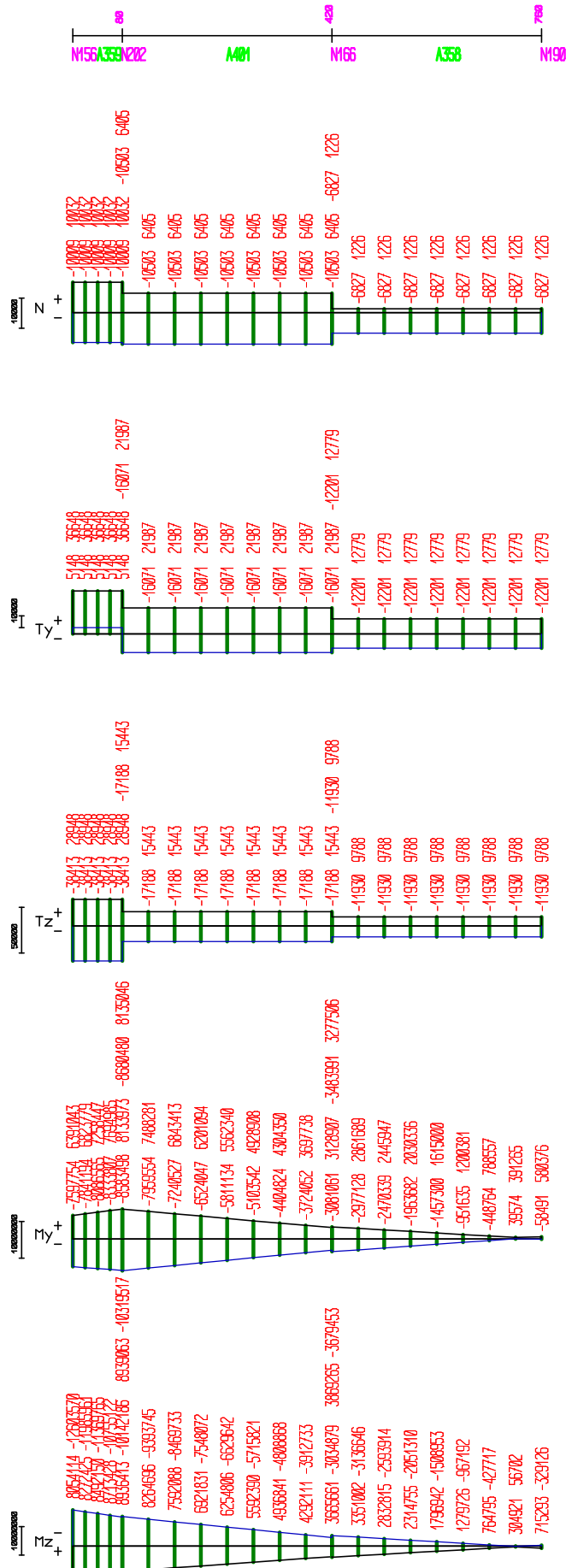
1 - SLU	- seslett	1																	
2 - SLU VENTOX	- seslett	1	2																
3 - SLU VENTOY	- seslett	1	2																
6 - SLU d'n SIBAY PRINC	- seslett	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
7 - SLU d'n SIBAY PRINC	- seslett	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		



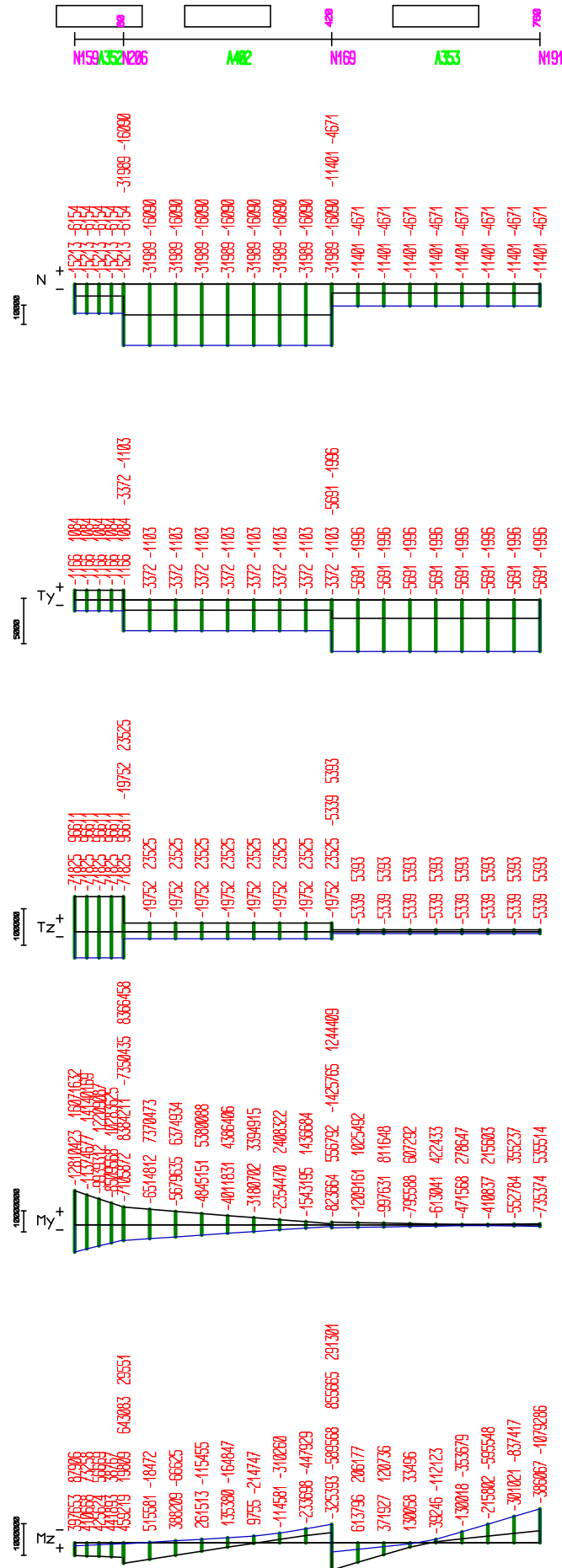
```

1 - SLU                - sestetti 1
2 - SLU VENTOX         - sestetti 1 2
3 - SLU VENTOX         - sestetti 1 2
6 - SLU con SISMAY PRINC - sestetti 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
7 - SLU con SISMAY PRINC - sestetti 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

```



1 - SLU	- sestetti 1
2 - SLU VENTOX	- sestetti 1 2
3 - SLU VENTOX	- sestetti 1 2
6 - SLU con SISMAX PRINC	- sestetti 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
7 - SLU con SISMAX PRINC	- sestetti 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

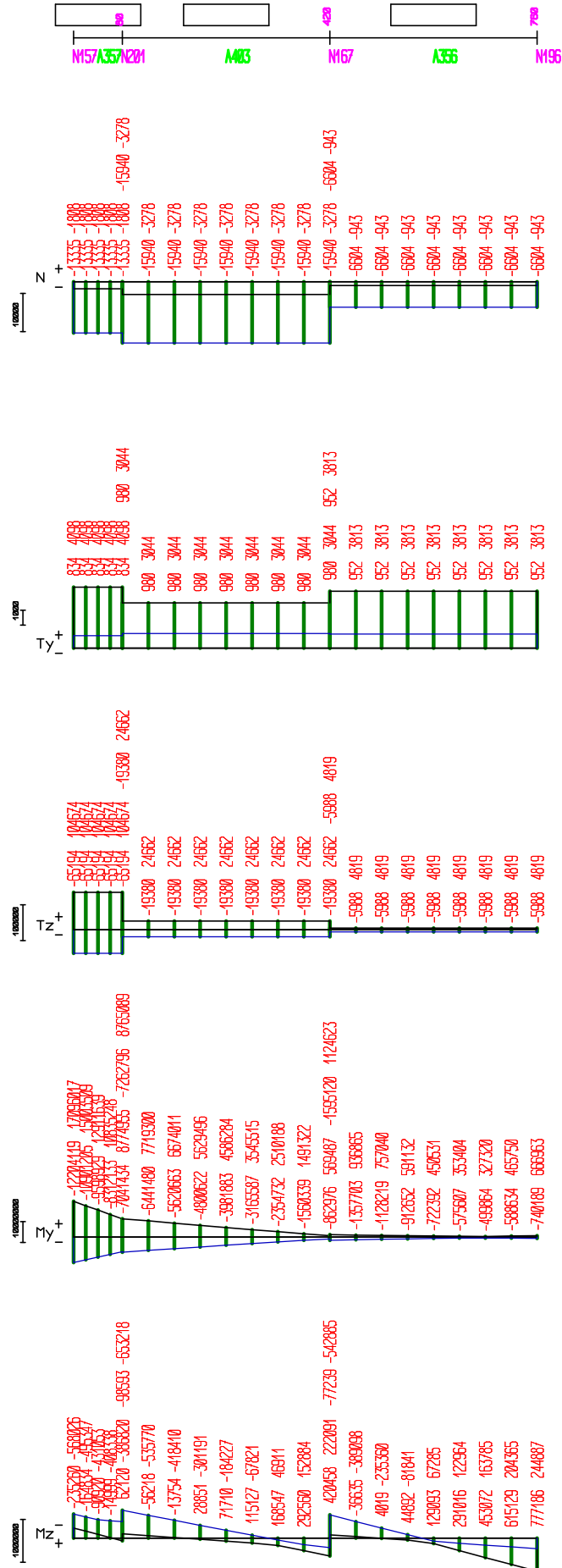


79 - Pilastrata P042

Unità di misure: cm; daN; daN/cm; deformate in Micron

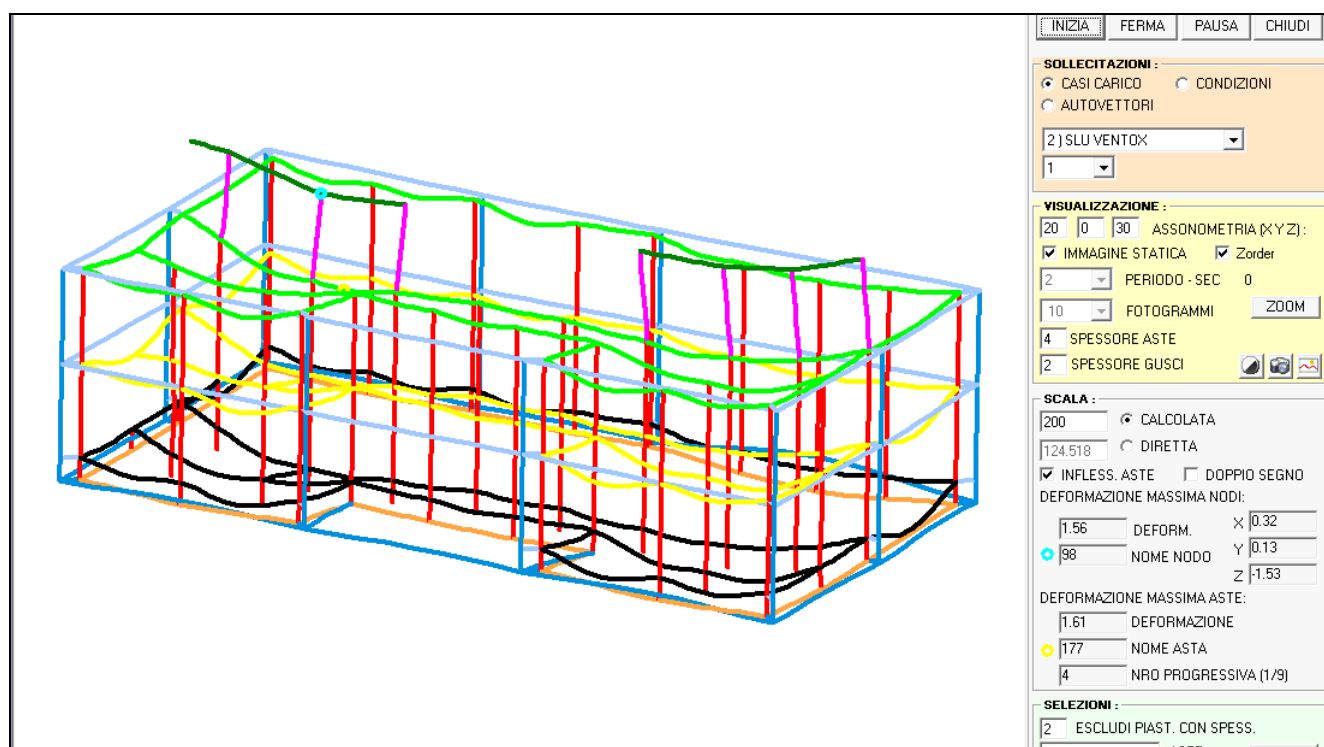
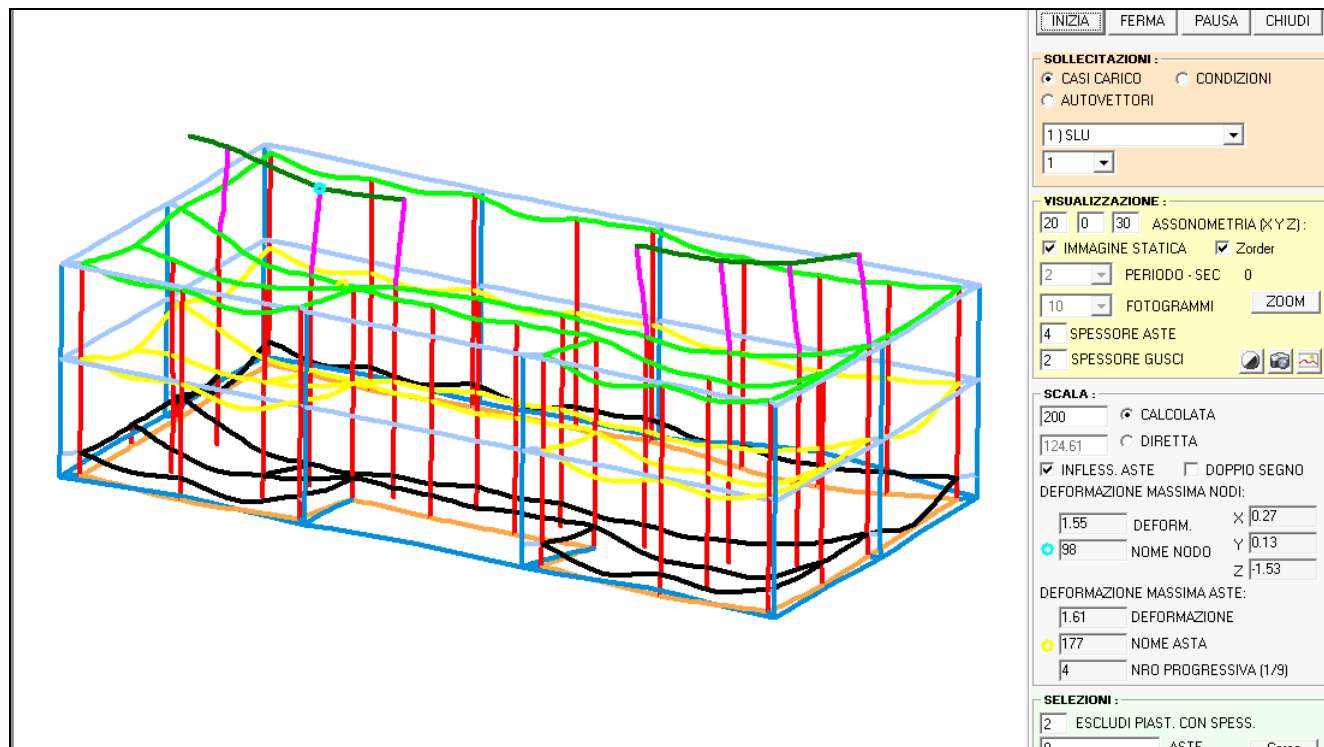
CASI DI CARICO:

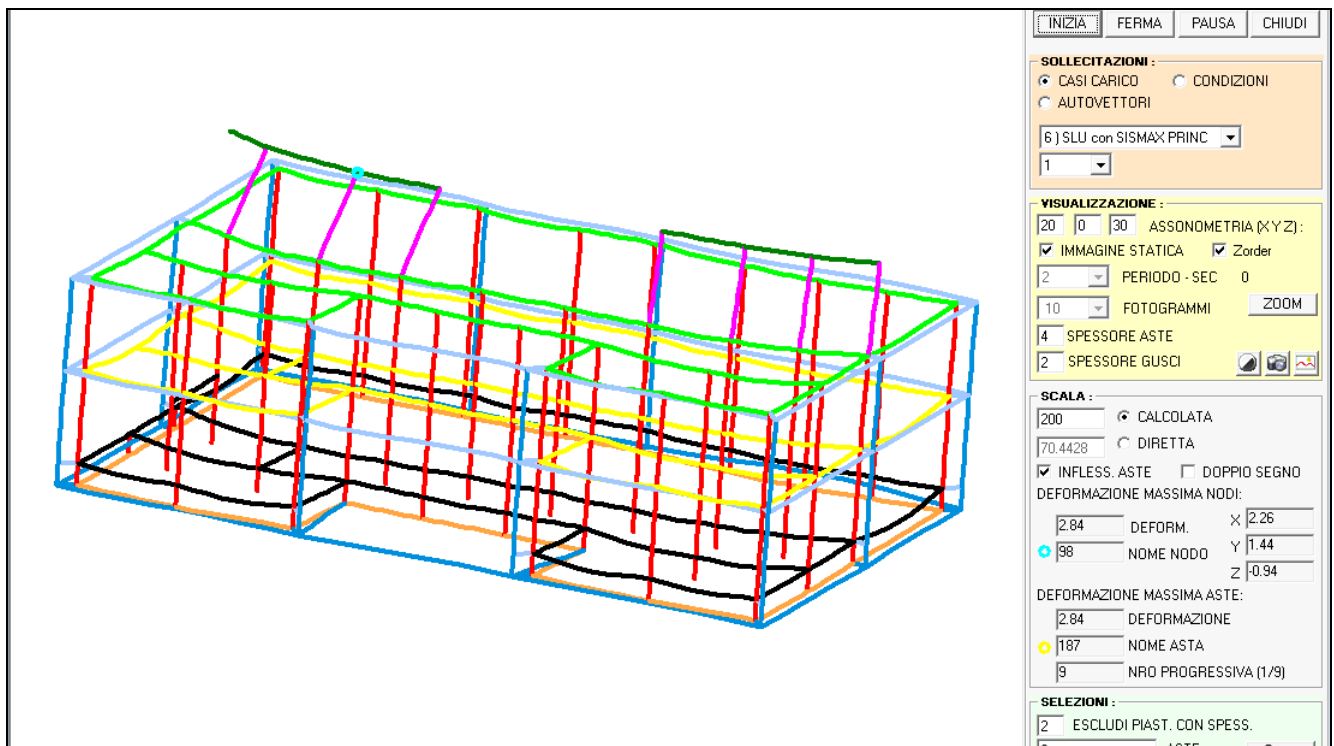
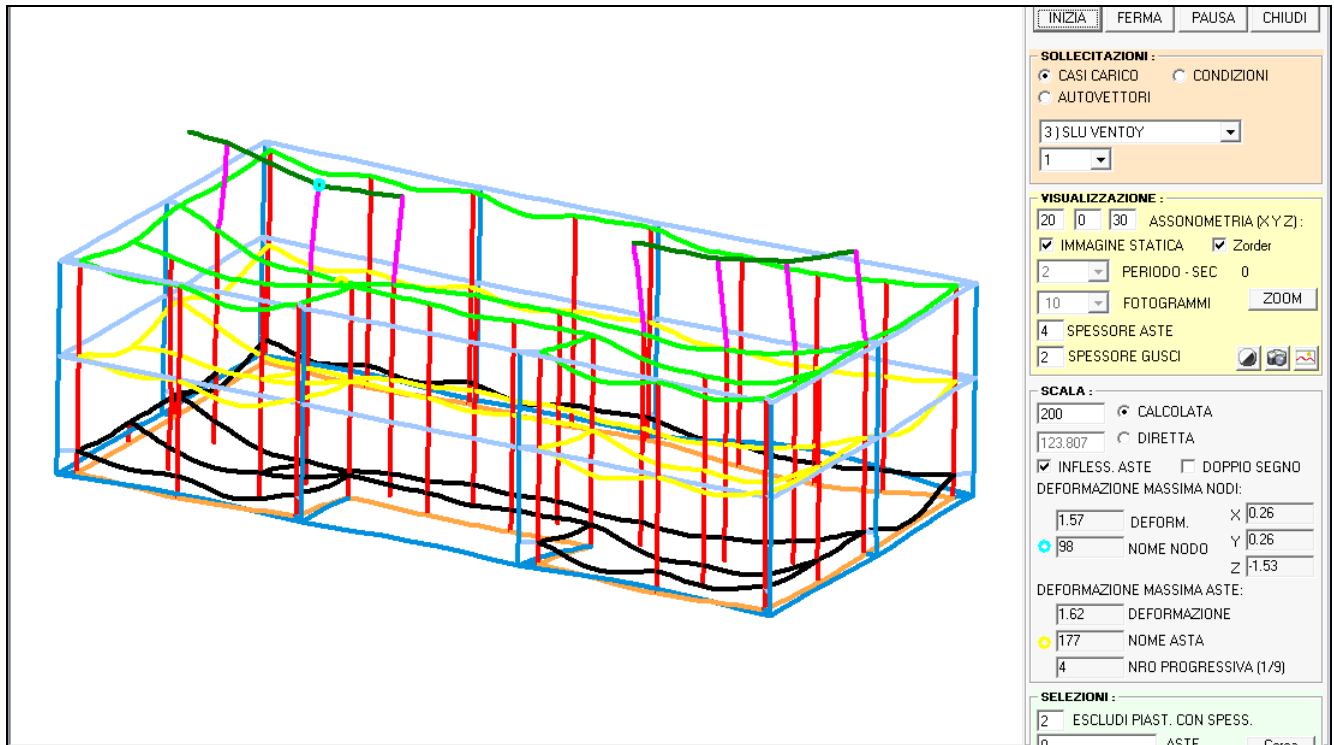
1 - SLU	- sestetti 1
2 - SLU VENTOX	- sestetti 1 2
3 - SLU VENTDY	- sestetti 1 2
6 - SLU con SISHAX PRINC	- sestetti 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
7 - SLU con SISHAX PRINC	- sestetti 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

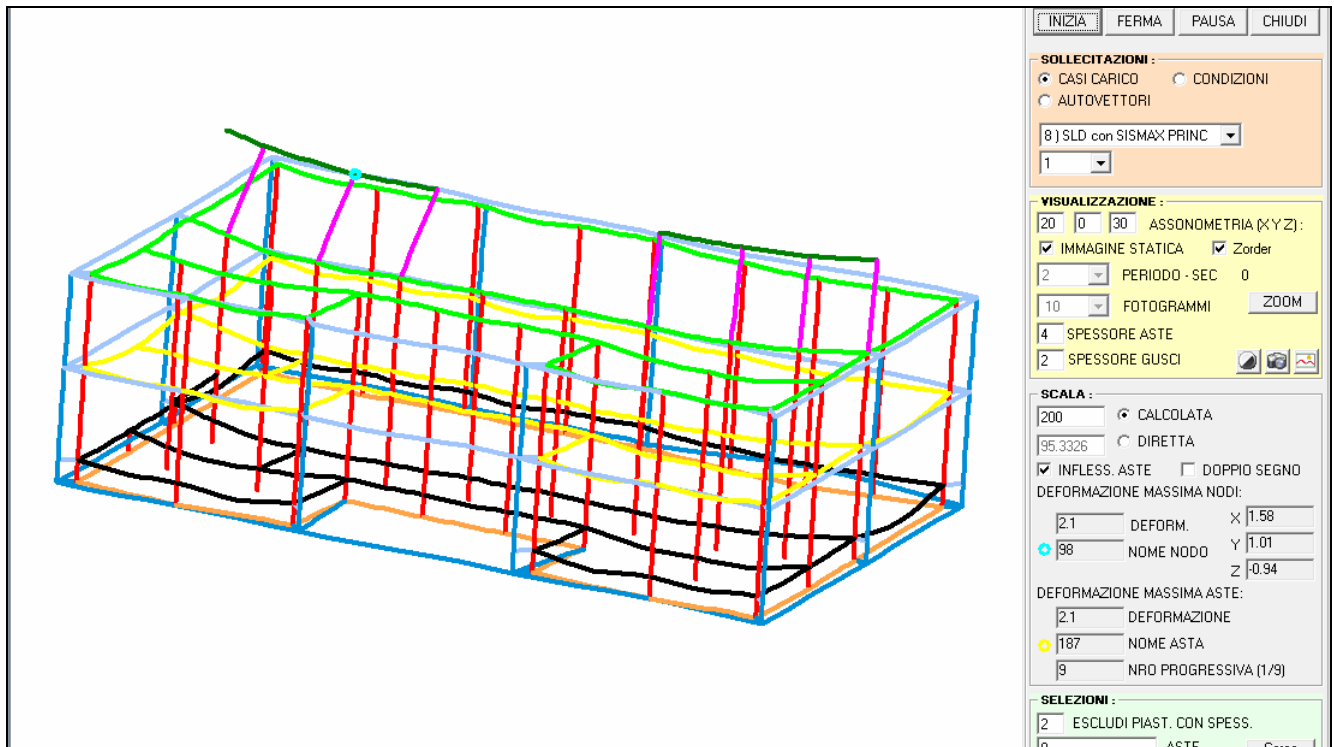
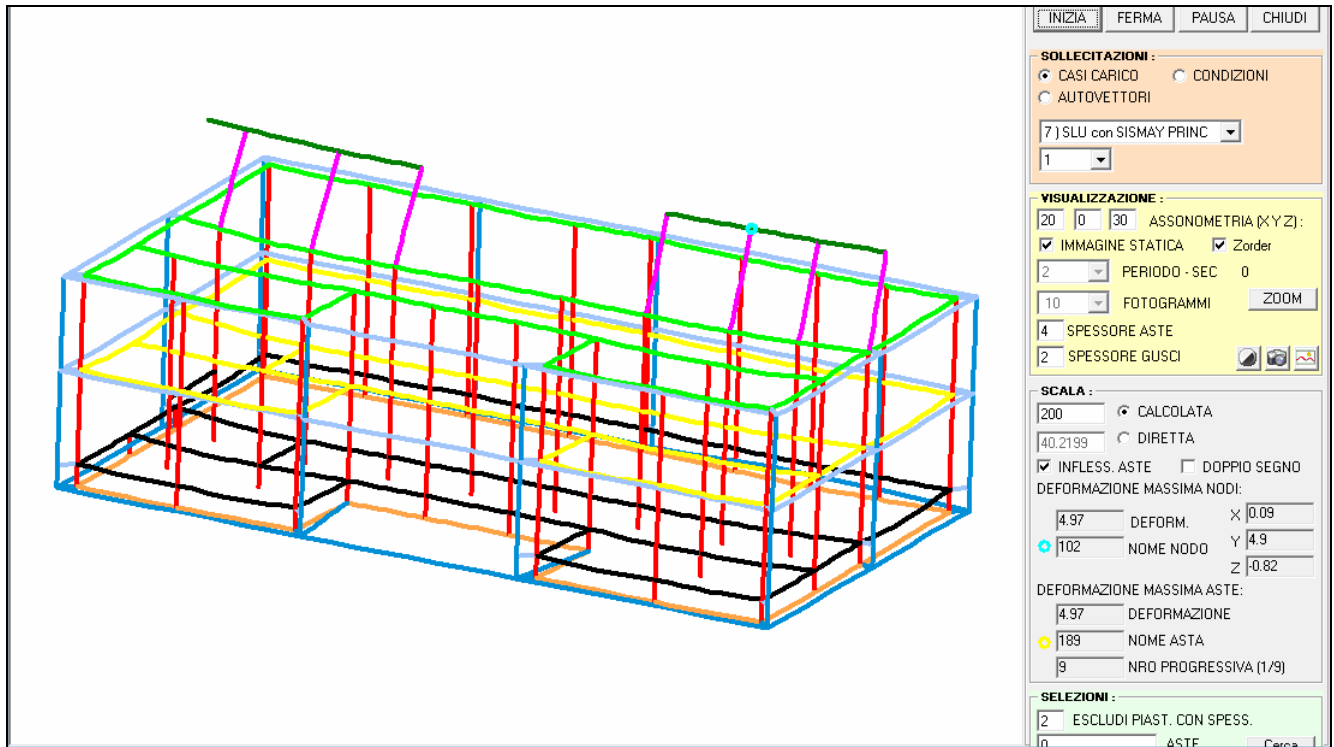


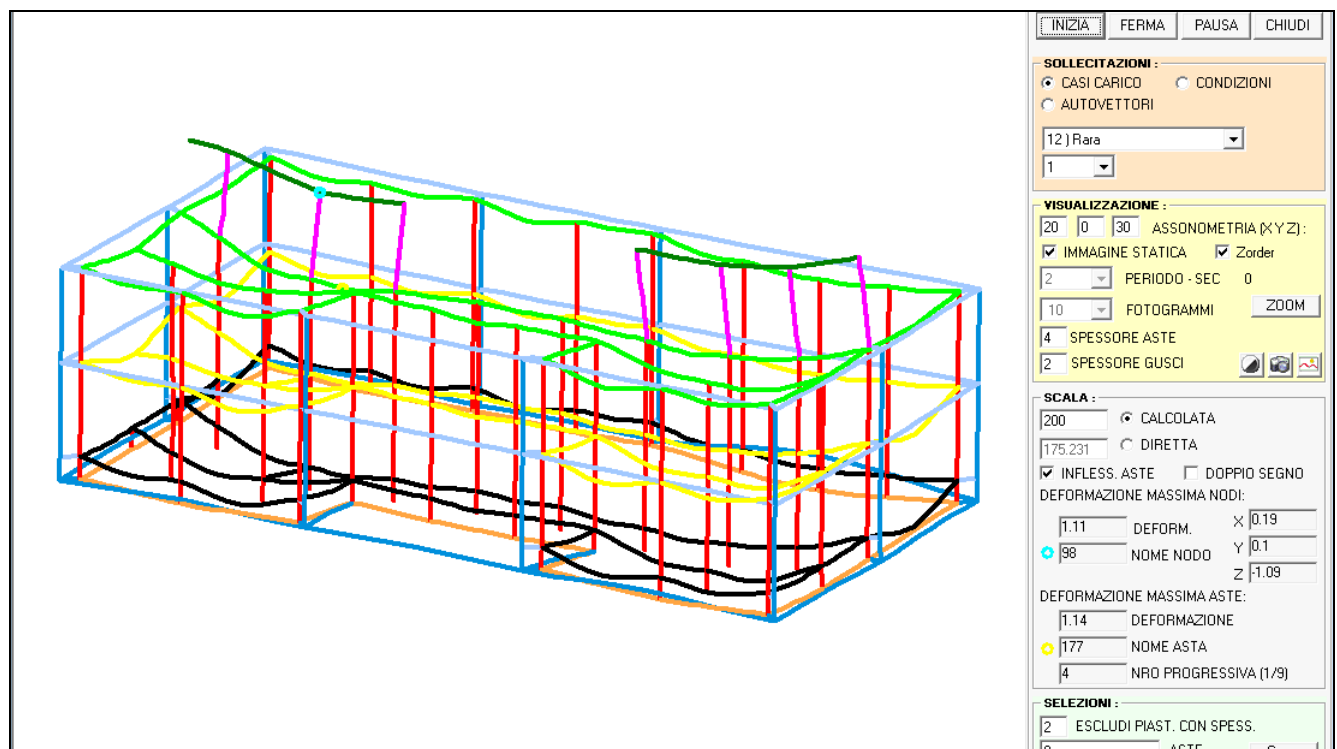
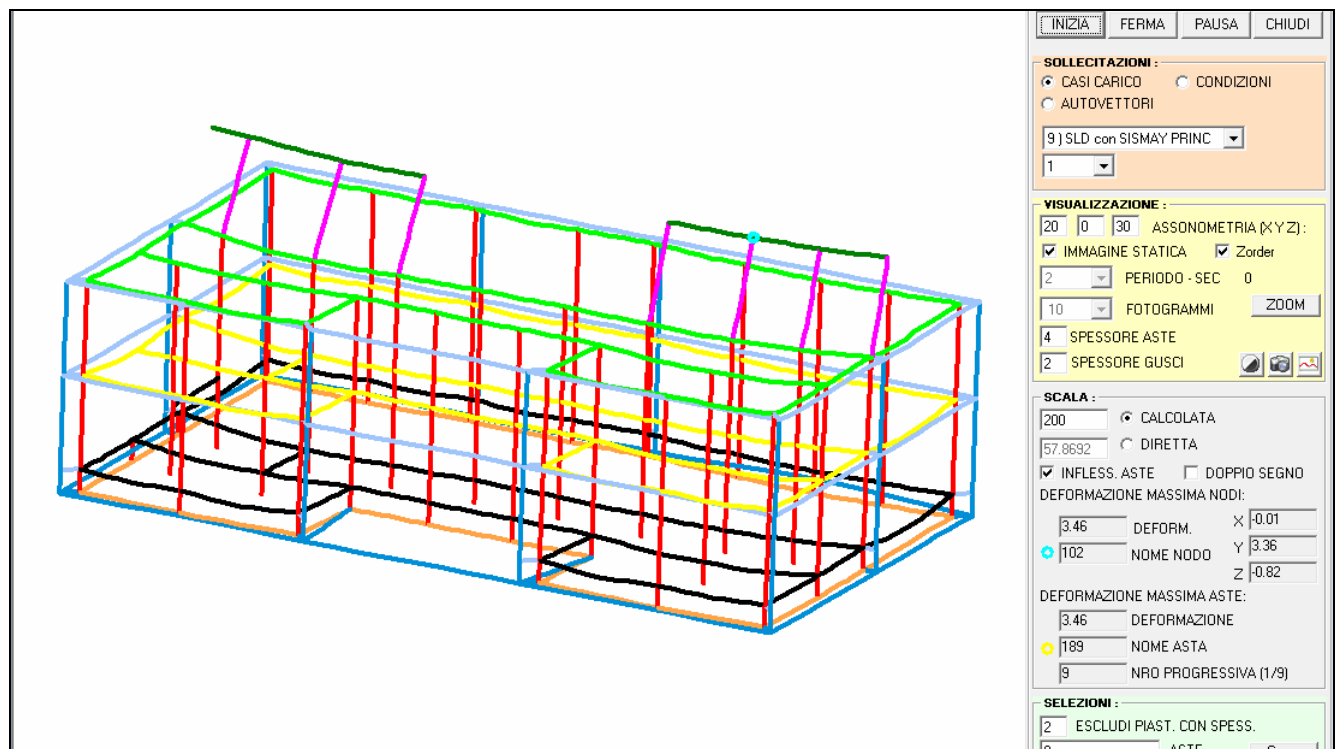
DEFORMAZIONI DELLA STRUTTURA

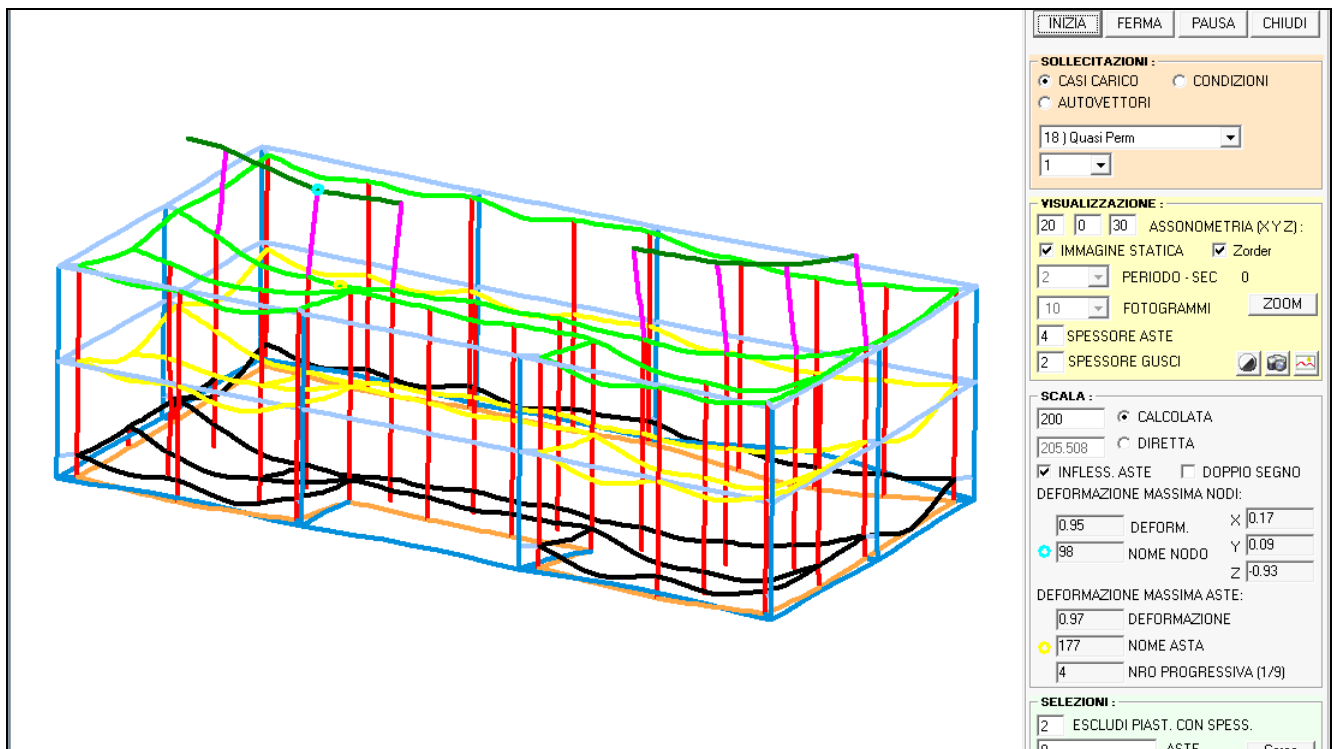
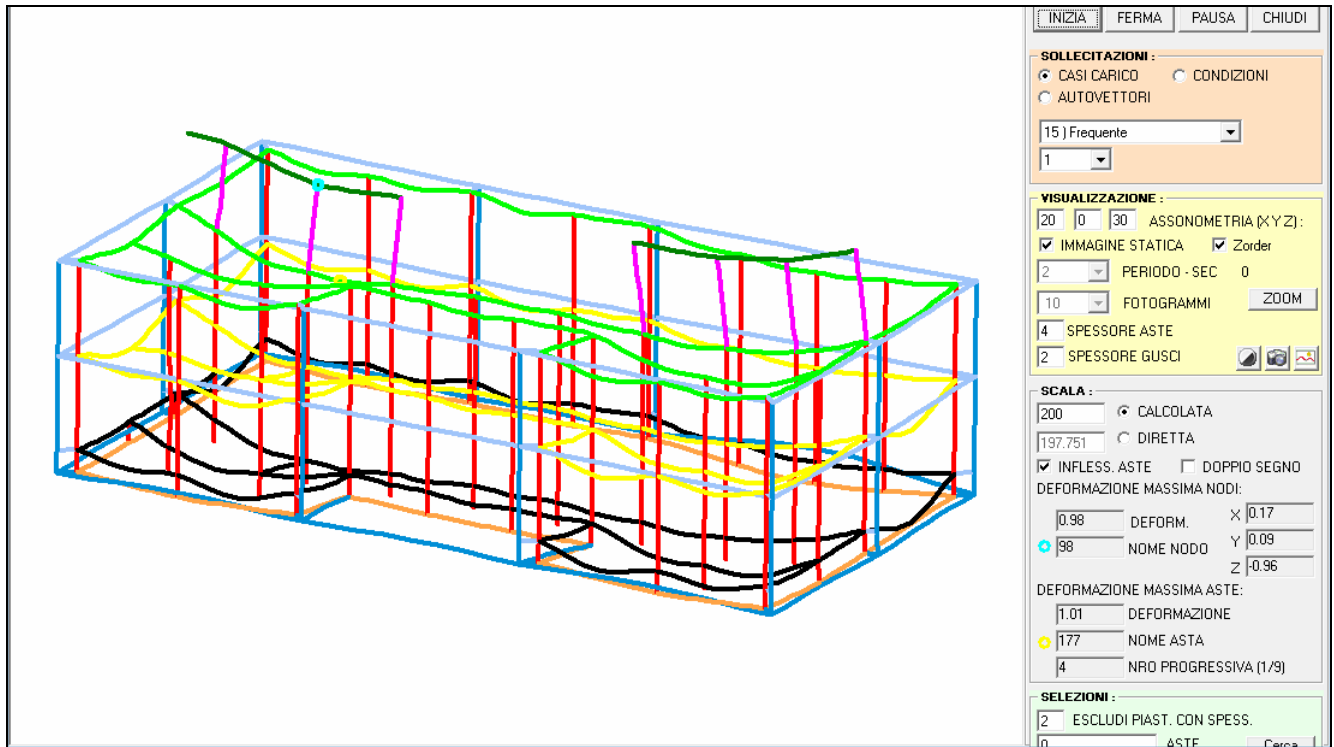
Si riportano nel seguito i diagrammi relativi alle deformazioni della struttura dell'edificio scolastico per i principali casi di carico a stato limite ultimo e stati limite di esercizio.











VERIFICA TRAVI CONTINUE:

VERIFICA TRAVATA IN CEMENTO ARMATO

Nome travata : 64 - Travata T032 (fondazione)
 Metodo di verifica : stati limite (NTC18). ->
 Duttilità : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capitolo 7 non attivi.
 Unita' di misura : cm; daN; daN/cm; daNcm; daN/cm2; deform. %.
 Unita' particolari : fessure [wk]:mm - ferri:mm e cm2 - sezioni:cm e derivate.
 Copriferri (assi) : longitudinali= 3 ; staffe= 2

MATERIALI

CLS : Rck =300. ; fck=249. ; fctk= 17.9; fctm= 25.6; Ec= 314472. ;
 gc =1.5 ; fcd=141.1; fbd= 26.9; fctd= 11.9; Ecd=.2% (limit.elastico)
 ACCIAIO : B450C; ftk=5175. ; fyk=4500. ; Es=2100000. ;
 gs =1.15; fyd=3913. ; ftd(k*fyd)=4500. ; fud=4439.8; Eud=.19% (limit.elastico)

TENSIONI E FESSURE MASSIME IN ESERCIZIO

GRUPPO : ordinario.
 CLS : σ_c (rara)=149.4; σ_c (quasi permanente)=112. ; fbd(esercizio)= 26.9
 ACCIAIO : σ_f (rara)=3600.; Coeff.Omogeneizzazione= 15
 FESSURE : w_{max}(fre.)=.4 ; w_{max}(q.p.)=.3 [4.1.2.2.4.5];
 kt=.4 [EN 1992-1 7.3.4].

CASI DI CARICO DA MODELLO 3D

Nome	Descrizione	Sest
1.	SLU	1.
2.	SLU VENTOX	2.
3.	SLU VENTYO	2.
6.	SLU con SISMAX PRINC16	
7.	SLU con SISMAX PRINC16	
10.	SLU FON con SISMAX P16	
11.	SLU FON con SISMAX P16	

Nome	Descrizione	Sest	Nome	Descrizione	Sest	Nome	Descrizione	Sest
12.	Rara	1.	15.	Frequente	1.	18.	Quasi Perm	1.
13.	Rara VentoX	2.	16.	Frequente VentoX	2.			
14.	Rara VentoY	2.	17.	Frequente VentoY	2.			

<-

SEZIONI UTILIZZATE

3) Rettangolare: 150X70; A=10500.; Jg=4287500.; E=314471.6

DESCRIZIONE CAMPATE

Cam.	Descriz.	S.ini	Sez.	S.fin	Incl.	L.assi	L.net.	lambda	K	r.Ar.	lam.max
1	A259	3	3	3	0	846.	692.	12.093	1.3	1.051	35.196
2	A260	3	3	3	0	698.	538.	9.979	1.5	1.573	60.781
3	A261	3	3	3	0	1245.	1090.	17.786	1.3	1.002	29.681

VERIFICHE ALLO STATO LIMITE ULTIMO

FLESSIONE:

Progressive	SE	Ar	Msd	Epsc1	Epsac	Mrd	Epsc1	Epsac	Cam	x/d	Mr/Ms	VE
> 0.	0.	3.	1.	-1852872.	-.017	.086	-3994085.	-.038	.186	2.	.168	2.156
0.	0.	3.	1.	7361868.	-.059	.158	8656337.	-.071	.186	2.	.275	1.176
195.	195.	3.	2.	-2864491.	-.021	.068	-7833383.	-.059	.186	2.	.239	2.735
240.	240.	3.	3.	-2919293.	-.025	.136	-4008839.	-.034	.186	2.	.156	1.373
240.	240.	3.	3.	1889728.	-.013	.028	12267518.	-.091	.186	2.	.327	6.492
285.	285.	3.	3.	-2932874.	-.025	.136	-4008839.	-.034	.186	2.	.156	1.367
285.	285.	3.	3.	1103972.	-.007	.017	12267518.	-.091	.186	2.	.327	11.11
816.	816.	3.	1.	8238712.	-.067	.177	8656337.	-.071	.186	2.	.275	1.051
846.	846.	3.	1.	-909855.	-.008	.042	-3994085.	-.038	.186	2.	.168	4.39
846.	846.	3.	1.	8238712.	-.067	.177	8656337.	-.071	.186	2.	.275	1.051
> 846.	0.	3.	1.	-2220481.	-.021	.104	-3994085.	-.038	.186	2.	.168	1.799
846.	0.	3.	1.	7273965.	-.059	.156	8656337.	-.071	.186	2.	.275	1.19
942.	95.	3.	1.	-2480123.	-.023	.116	-3994085.	-.038	.186	2.	.168	1.61
1131.	284.	3.	4.	258998.	-.003	.012	3964305.	-.043	.186	2.	.186	15.31
1391.	545.	3.	5.	-2372870.	-.019	.11	-4017101.	-.032	.186	2.	.148	1.693
1391.	545.	3.	5.	3461079.	-.022	.042	15123879.	-.106	.186	2.	.363	4.37
1435.	588.	3.	6.	-2355975.	-.016	.056	-7879282.	-.055	.186	2.	.227	3.344
1515.	668.	3.	7.	7375780.	-.053	.118	11598804.	-.087	.186	2.	.318	1.573
1545.	698.	3.	7.	-1919105.	-.017	.089	-4006515.	-.035	.186	2.	.158	2.088
1545.	698.	3.	7.	7375780.	-.053	.118	11598804.	-.087	.186	2.	.318	1.573
> 1545.	0.	3.	7.	11579807.	-.087	.186	11598804.	-.087	.186	2.	.318	1.002
1702.	157.	3.	7.	-511750.	-.004	.024	-4006515.	-.035	.186	2.	.158	7.829
2170.	625.	3.	9.	-5304282.	-.048	.162	-6103704.	-.056	.186	2.	.231	1.151
2404.	859.	3.	10	147679.	-.001	.002	15267447.	-.101	.186	2.	.351	103.4
2498.	953.	3.	12	-2560804.	-.016	.048	-10011177.	-.065	.186	2.	.258	3.909
2790.	1245	3.	7.	10384627.	-.077	.167	11598804.	-.087	.186	2.	.318	1.117

TAGLIO:

Progressive	Se	Vsd	VRd	VRcd	VRsd	Asw	s	ctgT	Ve
> 0.	0.	3.	33752.	220043.	177907.	4.52	15.	2.5	SI
846.	846.	3.	42485.	33752.	220043.	177907.	4.52	15.	SI

Progetto esecutivo

Relazione Tecnica e di Calcolo - Tabulati struttura in progetto

> 846.	0.	3.	-37074.	33752.	220043.	177907.	4.52	15.	2.5	SI
1545.	698.	3.	37582.	42937.	220043.	177907.	4.52	15.	2.5	SI
>1545.	0.	3.	-56822.	42937.	220043.	177907.	4.52	15.	2.5	SI
2790.	1245	3.	47837.	33752.	220043.	177907.	4.52	15.	2.5	SI

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

TENSIONI DI ESERCIZIO E FESSURAZIONE - RARE:

Progressive	Se	Ar	Momento	σ_c	σ_f	As	hc,ef	Eps%	Sr,max	wd	Ve	
15.	15.	3.	1.	3069661.	-33.	1380.	36.19	7.5	.0473	68.01	.322	SI
421.	421.	3.	4.	-1906282.	-27.9	1878.1	16.08	7.5	.0537	75.15	.403	SI
846.	846.	3.	1.	4500611.	-48.4	2023.3	36.19	7.5	.0779	68.01	.53	SI
> 846.	0.	3.	1.	3163779.	-34.	1422.3	36.19	7.5	.0493	68.01	.335	SI
1174.	328.	3.	4.	-1343648.	-19.6	1323.8	16.08	7.5	.0378	75.15	.284	SI
1545.	698.	3.	7.	3435655.	-33.1	1149.4	49.26	7.5	.0404	64.71	.261	SI
>1545.	0.	3.	7.	8104741.	-78.2	2711.5	49.26	7.5	.1147	64.71	.742	SI
2170.	625.	3.	9.	-3764722.	-46.3	2405.4	25.13	7.5	.0895	71.49	.64	SI
2790.	1245	3.	7.	6943949.	-67.	2323.2	49.26	7.5	.0962	64.71	.623	SI

TENSIONI DI ESERCIZIO E FESSURAZIONE - FREQUENTI:

Progressive	Se	Ar	Momento	σ_c	σ_f	As	hc,ef	Eps%	Sr,max	wd	Ve	
15.	15.	3.	1.	2700779.	-29.	1214.2	36.19	7.5	.0394	68.01	.268	SI
421.	421.	3.	4.	-1721199.	-25.2	1695.8	16.08	7.5	.0485	75.15	.364	SI
846.	846.	3.	1.	3950134.	-42.5	1775.8	36.19	7.5	.0662	68.01	.45	NO
> 846.	0.	3.	1.	2718668.	-29.2	1222.2	36.19	7.5	.0398	68.01	.271	SI
1174.	328.	3.	4.	-1203594.	-17.6	1185.8	16.08	7.5	.0339	75.15	.255	SI
1545.	698.	3.	7.	2957413.	-28.5	989.4	49.26	7.5	.0327	64.71	.212	SI
>1545.	0.	3.	7.	7216797.	-69.6	2414.4	49.26	7.5	.1006	64.71	.651	NO
1560.	15.	3.	7.	6748506.	-65.1	2257.8	49.26	7.5	.0931	64.71	.603	NO
1575.	30.	3.	7.	6280216.	-60.6	2101.1	49.26	7.5	.0857	64.71	.554	NO
1600.	55.	3.	7.	5505945.	-53.1	1842.1	49.26	7.5	.0733	64.71	.475	NO
2030.	485.	3.	9.	-2933080.	-36.1	1874.1	25.13	7.5	.0642	71.49	.459	NO
2076.	531.	3.	9.	-3104403.	-38.2	1983.5	25.13	7.5	.0694	71.49	.496	NO
2123.	578.	3.	9.	-3275726.	-40.3	2093.	25.13	7.5	.0746	71.49	.533	NO
2170.	625.	3.	9.	-3426802.	-42.1	2189.5	25.13	7.5	.0792	71.49	.566	NO
2217.	672.	3.	9.	-3219069.	-39.6	2056.8	25.13	7.5	.0729	71.49	.521	NO
2264.	719.	3.	9.	-3011337.	-37.	1924.1	25.13	7.5	.0666	71.49	.476	NO
2310.	765.	3.	9.	-2803605.	-34.5	1791.3	25.13	7.5	.0602	71.49	.431	NO
2737.	1192	3.	7.	4934344.	-47.6	1650.8	49.26	7.5	.0642	64.71	.416	NO
2760.	1215	3.	7.	5530985.	-53.3	1850.4	49.26	7.5	.0737	64.71	.477	NO
2775.	1230	3.	7.	5932071.	-57.2	1984.6	49.26	7.5	.0801	64.71	.518	NO
2790.	1245	3.	7.	6333158.	-61.1	2118.8	49.26	7.5	.0865	64.71	.56	NO

TENSIONI DI ESERCIZIO E FESSURAZIONE - QUASI PERMANENTI:

Progressive	Se	Ar	Momento	σ_c	σ_f	As	hc,ef	Eps%	Sr,max	wd	Ve		
15.	15.	3.	1.	2599720.	-27.9	1168.7	36.19	7.5	.0373	68.01	.253	SI	
331.	331.	3.	4.	-1441169.	-21.1	1419.9	16.08	7.5	.0406	75.15	.305	NO	25
376.	376.	3.	4.	-1554805.	-22.7	1531.8	16.08	7.5	.0438	75.15	.329	NO	25
421.	421.	3.	4.	-1668441.	-24.4	1643.8	16.08	7.5	.047	75.15	.353	NO	25
466.	466.	3.	4.	-1529881.	-22.4	1507.3	16.08	7.5	.0431	75.15	.324	NO	25
816.	816.	3.	1.	3112565.	-33.5	1399.3	36.19	7.5	.0482	68.01	.328	NO	25
831.	831.	3.	1.	3454222.	-37.1	1552.9	36.19	7.5	.0555	68.01	.378	NO	25
846.	846.	3.	1.	3795879.	-40.8	1706.5	36.19	7.5	.0629	68.01	.427	NO	25
> 846.	0.	3.	1.	2595653.	-27.9	1166.9	36.19	7.5	.0372	68.01	.253	SI	
1174.	328.	3.	4.	-1163471.	-17.	1146.3	16.08	7.5	.0328	75.15	.246	SI	
1545.	698.	3.	7.	2825828.	-27.3	945.4	49.26	7.5	.0306	64.71	.198	SI	
>1545.	0.	3.	7.	6965495.	-67.2	2330.4	49.26	7.5	.0966	64.71	.625	NO	25
1560.	15.	3.	7.	6512800.	-62.8	2178.9	49.26	7.5	.0894	64.71	.578	NO	25
1575.	30.	3.	7.	6060104.	-58.4	2027.5	49.26	7.5	.0822	64.71	.532	NO	25
1600.	55.	3.	7.	5311617.	-51.2	1777.1	49.26	7.5	.0702	64.71	.454	NO	25
1625.	80.	3.	7.	4563131.	-44.	1526.6	49.26	7.5	.0583	64.71	.377	NO	25
1640.	95.	3.	7.	4110435.	-39.6	1375.2	49.26	7.5	.0511	64.71	.331	NO	25
1983.	438.	3.	9.	-2440434.	-30.	1559.3	25.13	7.5	.0492	71.49	.352	NO	25
2030.	485.	3.	9.	-2849685.	-35.	1820.8	25.13	7.5	.0616	71.49	.441	NO	25
2076.	531.	3.	9.	-3016112.	-37.1	1927.1	25.13	7.5	.0667	71.49	.477	NO	25
2123.	578.	3.	9.	-3182539.	-39.1	2033.4	25.13	7.5	.0718	71.49	.513	NO	25
2170.	625.	3.	9.	-3329262.	-40.9	2127.2	25.13	7.5	.0762	71.49	.545	NO	25
2217.	672.	3.	9.	-3126793.	-38.5	1997.8	25.13	7.5	.0701	71.49	.501	NO	25
2264.	719.	3.	9.	-2924323.	-36.	1868.5	25.13	7.5	.0639	71.49	.457	NO	25
2310.	765.	3.	9.	-2721853.	-33.5	1739.1	25.13	7.5	.0577	71.49	.413	NO	25
2357.	812.	3.	9.	-2264566.	-27.8	1446.9	25.13	7.5	.0438	71.49	.313	NO	25
2700.	1155.	3.	7.	3821084.	-36.9	1278.4	49.26	7.5	.0465	64.71	.301	NO	25
2715.	1170.	3.	7.	4212193.	-40.6	1409.2	49.26	7.5	.0527	64.71	.341	NO	25
2737.	1192.	3.	7.	4793993.	-46.2	1603.9	49.26	7.5	.062	64.71	.401	NO	25
2760.	1215.	3.	7.	5375792.	-51.8	1798.5	49.26	7.5	.0713	64.71	.461	NO	25
2775.	1230.	3.	7.	5766902.	-55.6	1929.4	49.26	7.5	.0775	64.71	.501	NO	25
2790.	1245.	3.	7.	6158011.	-59.4	2060.2	49.26	7.5	.0837	64.71	.542	NO	25

ARMATURE LONGITUDINALI (%=100*Af/Acl's - Acl's=area intera sezione)

Nro	Totale	%	Super.	%	Barre	Infer.	%	Barre
1	52.28	.498	16.08	.153	8d16	36.19	.345	8d24
2	68.36	.651	32.17	.306	8d16	36.19	.345	8d24
3	68.36	.651	16.08	.153	8d16	52.28	.498	8d24
4	32.17	.306	16.08	.153	8d16	16.08	.153	8d16
5	81.43	.776	16.08	.153	8d16	65.35	.622	8d28
6	81.43	.776	32.17	.306	8d16	49.26	.469	8d28
7	65.35	.622	16.08	.153	8d16	49.26	.469	8d28
8	57.3	.546	41.22	.393	8d16	16.08	.153	8d16
9	41.22	.393	25.13	.239	8d20	16.08	.153	8d16
10	90.48	.862	25.13	.239	8d20	65.35	.622	8d28

11	74.39	.709	25.13	.239	8d20	49.26	.469	8d28	
12	90.48	.862	41.22	.393	8d16 +8d20	49.26	.469	8d28	

MESSAGGI

22) Rapporti di snellezza limite non soddisfatti ($l > 1000$ cm): occorre la verifica allo stato limite di deformazione [C08 4.1.2.2.2].
 25) Ampiezza fessura non verificata [NTC18 4.1.2.2.4].

VERIFICA TRAVATA IN CEMENTO ARMATO

Nome travata : 65 - Travata T033 (fondazione)
 Metodo di verifica : stati limite (NTC18). ->
 Duttilità : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capitolo 7 non attivi.
 Unita' di misura : cm; daN; daN/cm; daNcm; daN/cm2; deform. %.
 Unita' particolari : fessure [wk]:mm - ferri:mm e cm2 - sezioni:cm e derivate.
 Copriferrì (assi) : longitudinali= 3 ; staffe= 2

MATERIALI

CLS : Rck =300. ; fck=249. ; fctk= 17.9; fctm= 25.6; Ec= 314472. ;
 gc =1.5 ; fcd=141.1; fbd= 26.9; fctd= 11.9; Ecud=.2% (limit.elastico)
 ACCIAIO : B450C; ftk=5175. ; fyk=4500. ; Es=2100000. ;
 gs =1.15; fyd=3913. ; ftd(k*fyd)=4500. ; fud=4439.8; Eud=.19% (limit.elastico)

TENSIONI E FESSURE MASSIME IN ESERCIZIO

GRUPPO : ordinario.
 CLS : σ_c (rara)=149.4; σ_c (quasi permanente)=112. ; fbd(esercizio)= 26.9
 ACCIAIO : σ_f (rara)=3600.; Coeff.Omogeneizzazione= 15
 FESSURE : wdmx(fre.)=.4 ; wdmx(q.p.)=.3 [4.1.2.2.4.5];
 kt=.4 [EN 1992-1 7.3.4].

CASI DI CARICO DA MODELLO 3D

Nome	Descrizione	Sest
1.	SLU	1.
2.	SLU VENTOX	2.
3.	SLU VENTYO	2.
6.	SLU con SISMAX PRINC16	
7.	SLU con SISMAX PRINC16	
10.	SLU FON con SISMAX P16	
11.	SLU FON con SISMAX P16	

RARE			FREQUENTI			QUASI PERMANENTI		
Nome	Descrizione	Sest	Nome	Descrizione	Sest	Nome	Descrizione	Sest
12.	Rara	1.	15.	Frequente	1.	18.	Quasi Perm	1.
13.	Rara VentoX	2.	16.	Frequente VentoX	2.			
14.	Rara VentoY	2.	17.	Frequente VentoY	2.			

<-

SEZIONI UTILIZZATE

3) Rettangolare: 100x70; A=7000.; Jg=2858333.; E=314471.6

DESCRIZIONE CAMPATE

Cam.	Descriz.	S.ini	Sez.	S.fin	Incl.	L.assi	L.net.	lambda	K	r.Ar.	lam.max
1	A266	3	3	3	0	957.	807.	13.671	1.3	1.13	33.566
2	A351	3	3	3	0	847.	697.	12.1	1.5	1.061	36.382
3	A267	3	3	3	0	986.	836.	14.086	1.3	1.068	30.004

VERIFICHE ALLO STATO LIMITE ULTIMO

FLESSIONE:

Progressive	SE	Ar	Ms	Epsc	Epsac	Mrd	Epsc	Epsac	Cam	x/d	Mr/Ms	VE
> 0.	0.	3.	1.	-1125597.	-.015	.07	-2991536.	-.039	.186	2.	.175	2.658
0.	0.	3.	1.	5723121.	-.066	.165	6466755.	-.076	.186	2.	.288	1.13
245.	245.	3.	3.	1689280.	-.016	.034	9198685.	-.095	.186	2.	.337	5.445
478.	478.	3.	4.	-2020851.	-.028	.101	-3725166.	-.052	.186	2.	.219	1.843
572.	572.	3.	4.	102265.	-.001	.006	2972610.	-.044	.186	2.	.19	29.07
712.	712.	3.	5.	-1618739.	-.014	.041	-7420353.	-.067	.186	2.	.264	4.584
712.	712.	3.	5.	1442478.	-.012	.029	9363749.	-.084	.186	2.	.312	6.491
957.	957.	3.	6.	-1072807.	-.013	.053	-3764302.	-.046	.186	2.	.197	3.509
957.	957.	3.	6.	5510150.	-.062	.158	6491738.	-.074	.186	2.	.283	1.178
> 957.	0.	3.	6.	-3036509.	-.037	.15	-3764302.	-.046	.186	2.	.197	1.24
957.	0.	3.	6.	6115948.	-.069	.175	6491738.	-.074	.186	2.	.283	1.061
1199.	242.	3.	5.	-2081191.	-.018	.052	-7420353.	-.067	.186	2.	.264	3.565
1199.	242.	3.	5.	1640290.	-.014	.032	9363749.	-.084	.186	2.	.312	5.709
1244.	287.	3.	4.	1007731.	-.014	.063	2972610.	-.044	.186	2.	.19	2.95
1335.	378.	3.	4.	66370.	-.001	.004	2972610.	-.044	.186	2.	.19	44.79
1804.	847.	3.	6.	-3021060.	-.037	.149	-3764302.	-.046	.186	2.	.197	1.246
1804.	847.	3.	6.	6064468.	-.068	.174	6491738.	-.074	.186	2.	.283	1.07
> 1804.	0.	3.	6.	-894585.	-.011	.044	-3764302.	-.046	.186	2.	.197	4.208
1804.	0.	3.	6.	5754268.	-.065	.165	6491738.	-.074	.186	2.	.283	1.128
2000.	196.	3.	7.	-1507951.	-.013	.034	-8256136.	-.072	.186	2.	.279	5.475
2000.	196.	3.	7.	2299950.	-.019	.045	9394433.	-.082	.186	2.	.307	4.085

2046.	242.	3.	8.	-1637665.	-.017	.038	-8031774.	-.088	.186	2.	.321	4.904	SI
2046.	242.	3.	8.	1550620.	-.019	.096	2999346.	-.037	.186	2.	.167	1.934	SI
2183.	379.	3.	9.	129687.	-.002	.008	2979229.	-.042	.186	2.	.185	22.97	SI
2320.	516.	3.	9.	-2179857.	-.028	.089	-4563262.	-.06	.186	2.	.242	2.093	SI
2760.	956.	3.	6.	6080907.	-.069	.174	6491738.	-.074	.186	2.	.283	1.068	SI
2790.	986.	3.	6.	-891300.	-.011	.044	-3764302.	-.046	.186	2.	.197	4.223	SI
2790.	986.	3.	6.	6080907.	-.069	.174	6491738.	-.074	.186	2.	.283	1.068	SI

TAGLIO:

Progressive	Se	Vsd	VRd	VRcd	VRsd	Asw	s	ctgT	Ve	
> 0.	0.	3.	-28385.	22501.	157887.	160116.	4.52	15.	2.25	SI
957.	957.	3.	24098.	22501.	157887.	160116.	4.52	15.	2.25	SI
> 957.	0.	3.	-26716.	22501.	157887.	160116.	4.52	15.	2.25	SI
957.	0.	3.	4037.	22501.	157887.	160116.	4.52	15.	2.25	SI
1804.	847.	3.	-3803.	22501.	157887.	160116.	4.52	15.	2.25	SI
1804.	847.	3.	26450.	22501.	157887.	160116.	4.52	15.	2.25	SI
>1804.	0.	3.	-25173.	22501.	157887.	160116.	4.52	15.	2.25	SI
2229.	425.	3.	-7792.	23789.	146695.	88954.	4.52	30.	2.5	SI
2790.	986.	3.	30619.	22501.	157887.	160116.	4.52	15.	2.25	SI

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

TENSIONI DI ESERCIZIO E FESSURAZIONE - RARE:

Progressive	Se	Ar	Momento	σc	σf	As	hc,ef	Eps%	Sr,max	Wd	Ve	
> 0.	0.	3.	1.	2788981.	-42.7	1677.5	27.14	7.5	.0632	66.94	.423	SI
15.	15.	3.	1.	2566091.	-39.3	1543.4	27.14	7.5	.0568	66.94	.38	SI
30.	30.	3.	1.	2343201.	-35.9	1409.4	27.14	7.5	.0504	66.94	.337	SI
478.	478.	3.	4.	-1268716.	-24.	1329.1	15.27	7.5	.038	72.46	.275	SI
957.	957.	3.	6.	2621001.	-39.2	1571.9	27.14	7.5	.0581	67.31	.391	SI
> 957.	0.	3.	6.	1892748.	-28.3	1135.2	27.14	7.5	.0373	67.31	.251	SI
1380.	424.	3.	4.	-958420.	-18.1	1004.	15.27	7.5	.0287	72.46	.208	SI
1804.	847.	3.	6.	1865417.	-27.9	1118.8	27.14	7.5	.0366	67.31	.246	SI
>1804.	0.	3.	6.	2872570.	-42.9	1722.8	27.14	7.5	.0653	67.31	.44	SI
2320.	516.	3.	9.	-1348011.	-23.5	1151.7	18.85	7.5	.0329	70.57	.232	SI
2790.	986.	3.	6.	3043275.	-45.5	1825.2	27.14	7.5	.0702	67.31	.472	SI

TENSIONI DI ESERCIZIO E FESSURAZIONE - FREQUENTI:

Progressive	Se	Ar	Momento	σc	σf	As	hc,ef	Eps%	Sr,max	wd	Ve	
> 0.	0.	3.	1.	2454754.!	-37.6!	1476.5!	27.14!	7.5!	.0536!	66.94!	.359!	SI
15.	15.	3.	1.	2256339.	-34.5!	1357.1!	27.14!	7.5!	.0479!	66.94!	.321!	SI
30.	30.	3.	1.	2057923.	-31.5!	1237.8!	27.14!	7.5!	.0422!	66.94!	.283!	SI
478.	478.	3.	4.	-1142085.	-21.6!	1196.4!	15.27!	7.5!	.0342!	72.46!	.248!	SI
957.	957.	3.	6.	2339962.	-35.	1403.4!	27.14!	7.5!	.0501!	67.31!	.337!	SI
> 957.	0.	3.	6.	1613865.!	-24.1!	967.9!	27.14!	7.5!	.0294!	67.31!	.198!	SI
1380.	424.	3.	4.	-870774.	-16.5!	912.2!	15.27!	7.5!	.0261!	72.46!	.189!	SI
1804.	847.	3.	6.	1593626.	-23.8!	955.8!	27.14!	7.5!	.0288!	67.31!	.194!	SI
>1804.	0.	3.	6.	2569936.	-38.4!	1541.3!	27.14!	7.5!	.0567!	67.31!	.381!	SI
2320.	516.	3.	9.	-1236859.!	-21.6!	1056.8!	18.85!	7.5!	.0302!	70.57!	.213!	SI
2790.	986.	3.	6.	2757385.!	-41.2!	1653.7!	27.14!	7.5!	.062!	67.31!	.418!	NO

TENSIONI DI ESERCIZIO E FESSURAZIONE - QUASI PERMANENTI:

Progressive	Se	Ar	Momento	σc	σf	As	hc,ef	Eps%	Sr,max	wd	Ve		
> 0.	0.	3.	1.	2364306.	-36.2	1422.1	27.14	7.5	.051	66.94	.341	NO	25
15.	15.	3.	1.	2172555.	-33.2	1306.7	27.14	7.5	.0455	66.94	.305	NO	25
30.	30.	3.	1.	1980803.	-30.3	1191.4	27.14	7.5	.04	66.94	.268	SI	
478.	478.	3.	4.	-1107346.	-20.9	1160.	15.27	7.5	.0331	72.46	.24	SI	
957.	957.	3.	6.	2263303.	-33.8	1357.4	27.14	7.5	.0479	67.31	.323	NO	25
> 957.	0.	3.	6.	1539719.	-23.	923.4	27.14	7.5	.0273	67.31	.183	SI	
1380.	424.	3.	4.	-846425.	-16.	886.7	15.27	7.5	.0253	72.46	.184	SI	
1804.	847.	3.	6.	1521704.	-22.7	912.6	27.14	7.5	.0267	67.31	.18	SI	
>1804.	0.	3.	6.	2486756.	-37.1	1491.4	27.14	7.5	.0543	67.31	.366	NO	25
1819.	15.	3.	6.	2290240.	-34.2	1373.5	27.14	7.5	.0487	67.31	.328	NO	25
2320.	516.	3.	9.	-1205629.	-21.	1030.1	18.85	7.5	.0294	70.57	.208	SI	
2760.	956.	3.	6.	2253921.	-33.7	1351.8	27.14	7.5	.0477	67.31	.321	NO	25
2775.	971.	3.	6.	2466148.	-36.8	1479.	27.14	7.5	.0537	67.31	.362	NO	25
2790.	986.	3.	6.	2678376.	-40.	1606.3	27.14	7.5	.0598	67.31	.402	NO	25

ARMATURE LONGITUDINALI (%=100*Af/Acl - Acl=area intera sezione)

Nro	Totale	%	Super.	%	Barre	Infer.	%	Barre
1	39.21	.56	12.06	.172	6d16	27.14	.388	6d24
2	54.48	.778	27.33	.39	6d16 +6d18	27.14	.388	6d24
3	54.48	.778	15.27	.218	6d18	39.21	.56	6d24 +6d16
4	27.33	.39	15.27	.218	6d18	12.06	.172	6d16
5	69.74	.996	30.54	.436	6d18 +6d18	39.21	.56	6d24 +6d16
6	42.41	.606	15.27	.218	6d18	27.14	.388	6d24
7	73.32	1.047	34.12	.487	6d18 +6d20	39.21	.56	6d24 +6d16
8	46.18	.66	34.12	.487	6d18 +6d20	12.06	.172	6d16
9	30.91	.442	18.85	.269	6d20	12.06	.172	6d16

MESSAGGI

25) Ampiezza fessura non verificata [NTC18 4.1.2.2.4].

Nome travata : 66 - Travata T034 (fondazione)
 Metodo di verifica : stati limite (NTC18). ->
 Duttilita' : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capitolo 7 non attivi.
 Unita' di misura : cm; daN; daN/cm; daNcm; daN/cm2; deform. %.
 Unita' particolari : fessure [wk]:mm - ferri:mm e cm2 - sezioni:cm e derivate.
 Copriferri (assi) : longitudinali= 3 ; staffe= 2

MATERIALI

CLS : Rck =300. ; fck=249. ; fctk= 17.9; fctm= 25.6; Ec= 314472. ;
 gc =1.5 ; fcd=141.1; fbd= 26.9; fctd= 11.9; Ecd=.2% (limit.elastico)
 ACCIAIO : B450C; ftk=5175. ; fyk=4500. ; Es=2100000. ;
 gs =1.15; fyd=3913. ; ftd(k*fyd)=4500. ; fud=4439.8; Eud=.19% (limit.elastico)

TENSIONI E FESSURE MASSIME IN ESERCIZIO

GRUPPO : ordinario.
 CLS : σ_c (rara)=149.4; σ_c (quasi permanente)=112. ; fbd(esercizio)= 26.9
 ACCIAIO : σ_f (rara)=3600.; Coeff.omogeneizzazione= 15
 FESSURE : w_{dmax}(fre.)=.4 ; w_{dmax}(q.p.)=.3 [4.1.2.2.4.5];
 kt=.4 [EN 1992-1 7.3.4].

CASI DI CARICO DA MODELLO 3D

Nome	Descrizione	Sest
1.	SLU	1.
2.	SLU VENTOX	2.
3.	SLU VENTOY	2.
6.	SLU con SISMAX PRINC16	
7.	SLU con SISMAX PRINC16	
10.	SLU FON con SISMAX P16	
11.	SLU FON con SISMAX P16	

RARE			FREQUENTI			QUASI PERMANENTI		
Nome	Descrizione	Sest	Nome	Descrizione	Sest	Nome	Descrizione	Sest
12.	Rara	1.	15.	Frequente	1.	18.	Quasi Perm	1.
13.	Rara Ventox	2.	16.	Frequente Ventox	2.			
14.	Rara VentoY	2.	17.	Frequente VentoY	2.			

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SEZIONI UTILIZZATE

3) Rettangolare: 100X70; A=7000.; Jg=2858333.; E=314471.6

DESCRIZIONE CAMPATE

Cam.	Descriz.	S.ini	Sez.	S.fin	Incl.	L.assi	L.net.	lambda	K	r.Ar.	lam.max
1	A265	3	3	3	0	718.	574.	10.264	1.3	1.064	31.62
2	A264	3	3	3	0	658.	514.	9.407	1.3	1.067	29.844

VERIFICHE ALLO STATO LIMITE ULTIMO

FLESSIONE:

Progressive	SE	Ar	Ms	Epsc	Epsac	Mrd	Epsc	Epsac	Cam	x/d	Mr/Ms	VE
> 0.	0.	3.	1.	-2793274.	-.034	.138	-3764302.	-.046	.186	2.	.197	1.348
0.	0.	3.	1.	6098896.	-.069	.175	6491738.	-.074	.186	2.	.283	1.064
90.	90.	3.	1.	-2828200.	-.034	.14	-3764302.	-.046	.186	2.	.197	1.331
198.	198.	3.	2.	2674026.	-.026	.054	9198685.	-.095	.186	2.	.337	13.44
385.	385.	3.	4.	-1482815.	-.016	.038	-7231928.	-.082	.186	2.	.305	4.877
385.	385.	3.	4.	129629.	-.002	.008	2995582.	-.038	.186	2.	.171	23.11
478.	478.	3.	5.	910832.	-.009	.018	9198685.	-.095	.186	2.	.337	10.1
718.	718.	3.	1.	-2438850.	-.029	.121	-3764302.	-.046	.186	2.	.197	1.543
718.	718.	3.	1.	5550627.	-.062	.159	6491738.	-.074	.186	2.	.283	1.17
> 718.	0.	3.	1.	-2038598.	-.024	.101	-3764302.	-.046	.186	2.	.197	1.847
718.	0.	3.	1.	6081562.	-.069	.174	6491738.	-.074	.186	2.	.283	1.067
909.	191.	3.	5.	1914142.	-.018	.038	9198685.	-.095	.186	2.	.337	4.806
955.	236.	3.	6.	956223.	-.008	.019	9315423.	-.088	.186	2.	.32	9.742
1000.	281.	3.	7.	-1323188.	-.013	.03	-8115516.	-.089	.186	2.	.323	6.133
1000.	281.	3.	7.	258192.	-.003	.016	2999714.	-.037	.186	2.	.167	11.62
1377.	658.	3.	10	-4207493.	-.047	.166	-4708665.	-.053	.186	2.	.222	1.119
1377.	658.	3.	10	5264735.	-.057	.15	6519657.	-.071	.186	2.	.277	1.238

TAGLIO:

Progressive	Se	Vsd	VRd	VRcd	VRsd	Asw	s	ctgT	Ve		
> 0.	0.	3.	1.	-22293.	22501.	157887.	160116.	4.52	15.	2.25	SI
718.	718.	3.	1.	-1765.	22501.	157887.	160116.	4.52	15.	2.25	SI
718.	718.	3.	1.	28328.	22501.	157887.	160116.	4.52	15.	2.25	SI
> 718.	0.	3.	1.	-30849.	22501.	157887.	160116.	4.52	15.	2.25	SI
718.	0.	3.	1.	1173.	22501.	157887.	160116.	4.52	15.	2.25	SI
1227.	508.	3.	1.	-8688.	23946.	157887.	160116.	4.52	15.	2.25	SI
1377.	658.	3.	1.	-2190.	22501.	157887.	160116.	4.52	15.	2.25	SI
1377.	658.	3.	1.	20952.	22501.	157887.	160116.	4.52	15.	2.25	SI

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

TENSIONI DI ESERCIZIO E FESSURAZIONE - RARE:

Progressive	Se	Ar	Momento	σ_c	σ_f	As	hc,ef	Eps%	Sr,max	wd	Ve	
> 0.	0.	3.	1.	2141944.	-32.	1284.6	27.14	7.5	.0445	67.31	.299	SI
30.	30.	3.	1.	1755445.	-26.2	1052.8	27.14	7.5	.0334	67.31	.225	SI

338.	338.	3.	3.	-789786.	-14.9	827.4	15.27	7.5	.0236	72.46	.171	SI
718.	718.	3.	1.	1988743.	-29.7	1192.7	27.14	7.5	.0401	67.31	.27	SI
> 718.	0.	3.	1.	2526534.	-37.7	1515.3	27.14	7.5	.0554	67.31	.373	SI
1136.	417.	3.	9.	-939100.	-13.3	775.	19.23	7.5	.0221	73.12	.162	SI
1377.	658.	3.	10	904826.	-13.1	540.9	27.14	7.5	.0155	67.75	.105	SI

TENSIONI DI ESERCIZIO E FESSURAZIONE - FREQUENTI:

Progressive	Se	Ar	Momento	σ_c	σ_f	As	hc,ef	Eps%	Sr,max	wd	Vel	
> 0.	0.	3.	1.	1761494.	-26.3	1056.4	27.14	7.5	.0336	67.31	.226	SI
30.	30.	3.	1.	1416354.	-21.2	849.4	27.14	7.5	.0243	67.31	.163	SI
385.	385.	3.	4.	-705240.	-10.4	378.9	30.54	7.5	.0108	14.66	.016	SI
718.	718.	3.	1.	1647440.	-24.6	988.	27.14	7.5	.0303	67.31	.204	SI
> 718.	0.	3.	1.	2128719.	-31.8	1276.7	27.14	7.5	.0441	67.31	.297	SI
1136.	417.	3.	9.	-780290.	-11.1	643.9	19.23	7.5	.0184	73.12	.135	SI
1377.	658.	3.	10	604587.	-8.8	361.4	27.14	7.5	.0103	67.75	.07	SI

TENSIONI DI ESERCIZIO E FESSURAZIONE - QUASI PERMANENTI:

Progressive	Se	Ar	Momento	σ_c	σ_f	As	hc,ef	Eps%	Sr,max	wd	Vel	
> 0.	0.	3.	1.	1661832.	-24.8	996.7	27.14	7.5	.0307	67.31	.207	SI
30.	30.	3.	1.	1327998.	-19.8	796.5	27.14	7.5	.0228	67.31	.153	SI
385.	385.	3.	4.	-683420.	-10.	367.2	30.54	7.5	.0105	14.66	.015	SI
718.	718.	3.	1.	1555888.	-23.2	933.1	27.14	7.5	.0277	67.31	.187	SI
> 718.	0.	3.	1.	2021482.	-30.2	1212.4	27.14	7.5	.041	67.31	.276	SI
1136.	417.	3.	9.	-737809.	-10.5	608.9	19.23	7.5	.0174	73.12	.127	SI
1377.	658.	3.	10	528621.	-7.7	316.	27.14	7.5	.009	67.75	.061	SI

ARMATURE LONGITUDINALI (%=100*Af/AcIs - AcIs=area intera sezione)

Nro	Totale	%	Super.	%	Barre	Infer.	%	Barre
1	42.41	.606	15.27	.218	6d18	27.14	.388	6d24
2	54.48	.778	15.27	.218	6d18	39.21	.56	6d24 +6d16
3	27.33	.39	15.27	.218	6d18	12.06	.172	6d16
4	42.6	.609	30.54	.436	6d18 +6d18	12.06	.172	6d16
5	54.48	.778	15.27	.218	6d18	39.21	.56	6d16 +6d24
6	64.65	.924	25.45	.364	4d18 +6d18	39.21	.56	6d16 +6d24
7	46.56	.665	34.49	.493	4d18 +6d18 +2d24	12.06	.172	6d16
8	31.29	.447	19.23	.275	4d18 +2d24	12.06	.172	6d16
9	58.43	.835	19.23	.275	4d18 +2d24	39.21	.56	6d16 +6d24
10	46.37	.662	19.23	.275	4d18 +2d24	27.14	.388	6d24

VERIFICA TRAVATA IN CEMENTO ARMATO

Nome travata : 67 - Travata T035 (fondazione)
 Metodo di verifica : stati limite (NTC18). ->
 Duttilita' : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capitolo 7 non attivi.
 Unita' di misura : cm; daN; daN/cm; daNcm; daN/cm2; deform. %.
 Unita' particolari : fessure [wk]:mm - ferri:mm e cm2 - sezioni:cm e derivate.
 Copriferri (assi) : longitudinali= 3 ; staffe= 2

MATERIALI

CLS : Rck =300. ; fck=249. ; fctk= 17.9; fctm= 25.6; Ec= 314472. ;
 gc =1.5 ; fcd=141.1; fbd= 26.9; fctd= 11.9; Ecu=0.2% (limit.elastico)
 ACCIAIO : B450C; ftk=5175. ; fyk=4500. ; Es=2100000. ;
 gs =1.15; fyd=3913. ; ftd(k*fyd)=4500. ; fud=4439.8; Eud=.19% (limit.elastico)

TENSIONI E FESSURE MASSIME IN ESERCIZIO

GRUPPO : ordinario.
 CLS : σ_c (rara)=149.4; σ_c (quasi permanente)=112. ; fbd(esercizio)= 26.9
 ACCIAIO : σ_f (rara)=3600. ; Coeff.Omogeneizzazione= 15
 FESSURE : wdmx(fre.)=.4 ; wdmx(q.p.)=.3 [4.1.2.2.4.5];
 kt=.4 [EN 1992-1 7.3.4].

CASI DI CARICO DA MODELLO 3D

Nome	Descrizione	Sest
1.	SLU	1.
2.	SLU VENTOX	2.
3.	SLU VENTOY	2.
6.	SLU con SISMAL PRINC16	
7.	SLU con SISMAY PRINC16	
10.	SLU FON con SISMAL P16	
11.	SLU FON con SISMAY P16	

Nome	Descrizione	Sest	Nome	Descrizione	Sest	Nome	Descrizione	Sest
12.	Rara	1.	15.	Frequente	1.	18.	Quasi Perm	1.
13.	Rara Ventox	2.	16.	Frequente Ventox	2.			
14.	Rara VentoY	2.	17.	Frequente VentoY	2.			

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SEZIONI UTILIZZATE

3) Rettangolare: 100X70; A=7000.; Jg=2858333.; E=314471.6

DESCRIZIONE CAMPATE

Cam.	Descriz.	S.ini	Sez.	S.fin	Incl.	L.assi	L.net.	lambda	K	r.Ar.	lam.max
1	A263	3	3	3	0	718.	574.	10.264	1.3	1.016	30.171
2	A262	3	3	3	0	658.	514.	9.407	1.3	1.005	28.091

VERIFICHE ALLO STATO LIMITE ULTIMO

FLESSIONE:

Progressive	SE	Ar	Msd	Epsc1	Epsc2	Mrd	Epsc1	Epsc2	Cam	x/d	Mr/Ms	VE
> 0.	0.	3.	1.	-2814136.	-.034	.139	-3764302.	-.046	.186	2.	.197	1.338 SI
0.	0.	3.	1.	6391616.	-.072	.183	6491738.	-.074	.186	2.	.283	1.016 SI
90.	90.	3.	1.	-2904019.	-.035	.144	-3764302.	-.046	.186	2.	.197	1.296 SI
198.	198.	3.	2.	2761735.	-.026	.056	9198685.	-.095	.186	2.	.337	3.331 SI
385.	385.	3.	4.	-1572273.	-.017	.04	-7231928.	-.082	.186	2.	.305	4.6 SI
385.	385.	3.	4.	102899.	-.001	.006	2995582.	-.038	.186	2.	.171	29.11 SI
478.	478.	3.	5.	957753.	-.009	.019	9198685.	-.095	.186	2.	.337	9.604 SI
718.	718.	3.	1.	-2122060.	-.025	.105	-3764302.	-.046	.186	2.	.197	1.774 SI
718.	718.	3.	1.	6015700.	-.068	.173	6491738.	-.074	.186	2.	.283	1.079 SI
> 718.	0.	3.	1.	-1769484.	-.021	.087	-3764302.	-.046	.186	2.	.197	2.127 SI
718.	0.	3.	1.	6461107.	-.073	.185	6491738.	-.074	.186	2.	.283	1.005 SI
909.	191.	3.	5.	2056387.	-.02	.041	9198685.	-.095	.186	2.	.337	4.473 SI
955.	236.	3.	6.	1041399.	-.009	.021	9315423.	-.088	.186	2.	.32	8.945 SI
1000.	281.	3.	7.	-1336213.	-.013	.03	-8115516.	-.089	.186	2.	.323	6.074 SI
1000.	281.	3.	7.	288645.	-.004	.018	2999714.	-.037	.186	2.	.167	10.39 SI
1045.	327.	3.	8.	252054.	-.003	.016	2979874.	-.042	.186	2.	.185	11.82 SI
1377.	658.	3.	10	-4603397.	-.052	.182	-4708665.	-.053	.186	2.	.222	1.023 SI
1377.	658.	3.	10	5080056.	-.055	.145	6519657.	-.071	.186	2.	.277	1.283 SI

TAGLIO:

Progressive	Se	Vsd	VRd	VRcd	VRsd	Asw	s	ctgT	Ve	
> 0.	0.	3.	-23670.	22501.	157887.	160116.	4.52	15.	2.25	SI
718.	718.	3.	30912.	22501.	157887.	160116.	4.52	15.	2.25	SI
> 718.	0.	3.	-32635.	22501.	157887.	160116.	4.52	15.	2.25	SI
1227.	508.	3.	-9735.	23946.	146695.	88954.	4.52	30.	2.5	SI
1377.	658.	3.	-3651.	22501.	157887.	160116.	4.52	15.	2.25	SI
1377.	658.	3.	20278.	22501.	157887.	160116.	4.52	15.	2.25	SI

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

TENSIONI DI ESERCIZIO E FESSURAZIONE - RARE:

Progressive	Se	Ar	Momento	σc	σf	As	hc,ef	Eps%	Sr,max	wd	Ve
> 0.	0.	3.	1.	2025377.	-30.3	1214.7	27.14	7.5	.0411	67.31	.277 SI
30.	30.	3.	1.	1617880.	-24.2	970.3	27.14	7.5	.0295	67.31	.198 SI
338.	338.	3.	3.	-813834.	-15.4	852.6	15.27	7.5	.0244	72.46	.176 SI
718.	718.	3.	1.	2138047.	-31.9	1282.3	27.14	7.5	.0443	67.31	.298 SI
> 718.	0.	3.	1.	2586309.	-38.6	1551.1	27.14	7.5	.0571	67.31	.385 SI
1136.	417.	3.	9.	-928877.	-13.2	766.6	19.23	7.5	.0219	73.12	.16 SI
1377.	658.	3.	10	286130.	-4.2	171.	27.14	7.5	.0049	67.75	.033 SI

TENSIONI DI ESERCIZIO E FESSURAZIONE - FREQUENTI:

Progressive	Se	Ar	Momento	σc	σf	As	hc,ef	Eps%	Sr,max	wd	Ve
> 0.	0.	3.	1.	1858777.	-27.8	1114.8	27.14	7.5	.0364	67.31	.245 SI
30.	30.	3.	1.	1481895.	-22.1	888.7	27.14	7.5	.0256	67.31	.172 SI
338.	338.	3.	3.	-752800.	-14.2	788.6	15.27	7.5	.0225	72.46	.163 SI
718.	718.	3.	1.	1990111.	-29.7	1193.5	27.14	7.5	.0401	67.31	.27 SI
> 718.	0.	3.	1.	2400085.	-35.9	1439.4	27.14	7.5	.0518	67.31	.349 SI
1136.	417.	3.	9.	-856845.	-12.2	707.1	19.23	7.5	.0202	73.12	.148 SI
1377.	658.	3.	10	248037.	-3.6	148.3	27.14	7.5	.0042	67.75	.029 SI

TENSIONI DI ESERCIZIO E FESSURAZIONE - QUASI PERMANENTI:

Progressive	Se	Ar	Momento	σc	σf	As	hc,ef	Eps%	Sr,max	wd	Ve
> 0.	0.	3.	1.	1811612.	-27.1	1086.5	27.14	7.5	.035	67.31	.236 SI
30.	30.	3.	1.	1443483.	-21.6	865.7	27.14	7.5	.0247	67.31	.166 SI
338.	338.	3.	3.	-735397.	-13.9	770.4	15.27	7.5	.022	72.46	.159 SI
718.	718.	3.	1.	1946820.	-29.1	1167.6	27.14	7.5	.0389	67.31	.262 SI
> 718.	0.	3.	1.	2345812.	-35.	1406.9	27.14	7.5	.0503	67.31	.338 NO
1136.	417.	3.	9.	-835991.	-11.9	689.9	19.23	7.5	.0197	73.12	.144 SI
1377.	658.	3.	10	238329.	-3.5	142.5	27.14	7.5	.0041	67.75	.028 SI

ARMATURE LONGITUDINALI (%=100*Af/Acl - Acl=area intera sezione)

Nro	Totale	%	Super.	%	Barre	Infer.	%	Barre
1	42.41	.606	15.27	.218	6d18	27.14	.388	6d24
2	54.48	.778	15.27	.218	6d18	39.21	.56	6d24 +6d16
3	27.33	.39	15.27	.218	6d18	12.06	.172	6d16
4	42.6	.609	30.54	.436	6d18 +6d18	12.06	.172	6d16
5	54.48	.778	15.27	.218	6d18	39.21	.56	6d16 +6d24
6	64.65	.924	25.45	.364	4d18 +6d18	39.21	.56	6d16 +6d24
7	46.56	.665	34.49	.493	4d18 +6d18 +2d24	12.06	.172	6d16
8	31.29	.447	19.23	.275	4d18 +2d24	12.06	.172	6d16
9	58.43	.835	19.23	.275	4d18 +2d24	39.21	.56	6d16 +6d24
10	46.37	.662	19.23	.275	4d18 +2d24	27.14	.388	6d24

MESSAGGI

25) Ampiezza fessura non verificata [NTC18 4.1.2.2.4].

VERIFICA TRAVATA IN CEMENTO ARMATO

Nome travata : 68 - Travata T036 (fondazione)
 Metodo di verifica : stati limite (NTC18). ->
 Duttilita' : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capitolo 7 non attivi.
 Unita' di misura : cm; daN; daN/cm; daNcm; daN/cm2; deform. %.
 Unita' particolari : fessure [wk]:mm - ferri:mm e cm2 - sezioni:cm e derivate.
 Copriferri (assi) : longitudinali= 3 ; staffe= 2

MATERIALI

CLS : Rck =300. ; fck=249. ; fctk= 17.9; fctm= 25.6; Ec= 314472. ;
 gc =1.5 ; fcd=141.1; fbd= 26.9; fctd= 11.9; Ecud=.2% (limit.elastico)
 ACCIAIO : B450C; ftk=5175. ; fyk=4500. ; Es=2100000. ;
 gs =1.15; fyd=3913. ; ftd(k*fyd)=4500. ; fud=4439.8; Eud=.19% (limit.elastico)

TENSIONI E FESSURE MASSIME IN ESERCIZIO

GRUPPO : ordinario.
 CLS : σ_c (rara)=149.4; σ_c (quasi permanente)=112. ; fbd(esercizio)= 26.9
 ACCIAIO : σ_f (rara)=3600. ; Coeff.Omogeneizzazione= 15
 FESSURE : w_{dmax}(fre.)=.4 ; w_{dmax}(q.p.)=.3 [4.1.2.2.4.5];
 kt=.4 [EN 1992-1 7.3.4].

CASI DI CARICO DA MODELLO 3D

Nome	Descrizione	Sest
1.	SLU	1.
2.	SLU VENTOX	2.
3.	SLU VENTOY	2.
6.	SLU con SISMAX PRINC16	
7.	SLU con SISMAX PRINC16	

RARE			FREQUENTI			QUASI PERMANENTI		
Nome	Descrizione	Sest	Nome	Descrizione	Sest	Nome	Descrizione	Sest
10.	Rara	1.	13.	Frequente	1.	16.	Quasi Perm	1.
11.	Rara Ventox	2.	14.	Frequente Ventox	2.			
12.	Rara VentoY	2.	15.	Frequente VentoY	2.			

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SEZIONI UTILIZZATE

3) Rettangolare: 100x70; A=7000.; Jg=2858333.; E=314471.6

DESCRIZIONE CAMPATE

Cam.	Descriz.	S.ini	Sez.	S.fin	Incl.	L.assi	L.net.	lambda	K	r.Ar.	lam.max
1	A278	3	3	3	0	406.	314.	5.807	1.	2.149	44.161

VERIFICHE ALLO STATO LIMITE ULTIMO

FLESSIONE:

Progressive	SE	Ar	Msd	Epsc	Epsac	Mrd	Epsc	Epsac	Cam	x/d	Mr/Ms	VE
> 0.	0.	3.	1.	-4738266.	-.058	.161	-.5477889.	-.067	.186	2.	.266	1.156
0.	0.	3.	1.	1172619.	-.016	.073	2985576.	-.041	.186	2.	.18	2.546
376.	376.	3.	1.	1389516.	-.019	.087	2985576.	-.041	.186	2.	.18	2.149
389.	389.	3.	1.	-168166.	-.002	.006	-5477889.	-.067	.186	2.	.266	32.57
406.	406.	3.	1.	1389516.	-.019	.087	2985576.	-.041	.186	2.	.18	2.149

TAGLIO:

Progressive	Se	Vsd	VRd	VRcd	VRsd	Asw	s	ctgT	Ve
> 0.	0.	3.	1.	-11655.	22501.	157887.	160116.	4.52	15.
0.	0.	3.	1.	6890.	22501.	157887.	160116.	4.52	15.
144.	144.	3.	1.	-6991.	25350.	146695.	88954.	4.52	30.
406.	406.	3.	1.	31620.	22501.	157887.	160116.	4.52	15.

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

TENSIONI DI ESERCIZIO E FESSURAZIONE - RARE:

Progressive	Se	Ar	Momento	σ_c	σ_f	As	hc,ef	Eps%	Sr,max	wd	Ve
> 0.	0.	3.	1.	-2179142.	-35.5	1549.3	22.81	7.5	.0545	68.73	.375
53.	53.	3.	1.	-2241202.	-36.5	1593.4	22.81	7.5	.0566	68.73	.389
406.	406.	3.	1.	990044.	-18.7	1296.4	12.06	7.5	.037	75.49	.28

TENSIONI DI ESERCIZIO E FESSURAZIONE - FREQUENTI:

Progressive	Se	Ar	Momento	σ_c	σ_f	As	hc,ef	Eps%	Sr,max	wd	Ve
> 0.	0.	3.	1.	-1868121.	-30.4	1328.2	22.81	7.5	.044	68.73	.302
53.	53.	3.	1.	-1949119.	-31.7	1385.8	22.81	7.5	.0467	68.73	.321
406.	406.	3.	1.	896707.	-17.	1174.2	12.06	7.5	.0335	75.49	.253

TENSIONI DI ESERCIZIO E FESSURAZIONE - QUASI PERMANENTI:

Progressive	Se	Ar	Momento	σ_c	σ_f	As	hc,ef	Eps%	Sr,max	wd	Ve

>	0.	0.	3.	1.	-1782824.	-29.	1267.5	22.81	7.5	.0411	68.73	.282	SI	
	53.	53.	3.	1.	-1868447.	-30.4	1328.4	22.81	7.5	.044	68.73	.302	NO	25
	75.	75.	3.	1.	-1870437.	-30.5	1329.8	22.81	7.5	.044	68.73	.303	NO	25
	90.	90.	3.	1.	-1871776.	-30.5	1330.8	22.81	7.5	.0441	68.73	.303	NO	25
	105.	105.	3.	1.	-1866450.	-30.4	1327.	22.81	7.5	.0439	68.73	.302	NO	25
	406.	406.	3.	1.	870917.	-16.5	1140.4	12.06	7.5	.0326	75.49	.246	SI	

ARMATURE LONGITUDINALI (%=100*Af/Acl - Acl=area intera sezione)

Nro	Totale	%	Super.	%	Barre	Infer.	%	Barre
1	34.87	.498	22.81	.326	6d22	12.06	.172	6d16

MESSAGGI

25) Ampiezza fessura non verificata [NTC18 4.1.2.2.4].

VERIFICA TRAVATA IN CEMENTO ARMATO

Nome travata : 69 - Travata T037 (fondazione)
 Metodo di verifica : stati limite (NTC18). ->
 Duttilità : non prevista (struttura non dissipativa).
 Unità di misura : dettagli costruttivi del capitolo 7 non attivi.
 Unità particolari : fessure [wk]:mm - ferri:mm e cm2 - sezioni:cm e derivate.
 Copriferrì (assi) : longitudinali= 3 ; staffe= 2

MATERIALI

CLS : Rck =300. ; fck=249. ; fctk= 17.9; fctm= 25.6; Ec= 314472. ;
 gc =1.5 ; fcd=141.1; fbd= 26.9; fctd= 11.9; Ecd=.2% (limit.elastico)
 ACCIAIO : B450C; ftk=5175. ; fyk=4500. ; Es=2100000. ;
 gs =1.15; fyd=3913. ; ftd(k*fyd)=4500. ; fud=4439.8; Eud=.19% (limit.elastico)

TENSIONI E FESSURE MASSIME IN ESERCIZIO

GRUPPO : ordinario.
 CLS : σ_c (rara)=149.4; σ_c (quasi permanente)=112. ; fbd(esercizio)= 26.9
 ACCIAIO : σ_f (rara)=3600. ; Coeff.Omogeneizzazione= 15
 FESSURE : w_{dmax}(fre.)=.4 ; w_{dmax}(q.p.)=.3 [4.1.2.2.4.5];
 kt=.4 [EN 1992-1 7.3.4].

CASI DI CARICO DA MODELLO 3D

Nome	Descrizione	Sest
1.	SLU	1.
2.	SLU VENTOX	2.
3.	SLU VENTOY	2.
6.	SLU con SISMAX PRINC16	
7.	SLU con SISMAX PRINC16	

RARE			FREQUENTI			QUASI PERMANENTI		
Nome	Descrizione	Sest	Nome	Descrizione	Sest	Nome	Descrizione	Sest
10.	Rara	1.	13.	Frequente	1.	16.	Quasi Perm	1.
11.	Rara VentoX	2.	14.	Frequente VentoX	2.			
12.	Rara VentoY	2.	15.	Frequente VentoY	2.			

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SEZIONI UTILIZZATE

3) Rettangolare: 100x70; A=7000.; Jg=2858333.; E=314471.6

DESCRIZIONE CAMPATE

Cam.	Descriz.	S.ini	Sez.	S.fin	Incl.	L.assi	L.net.	lambda	K	r.Ar.	lam.max
1	A279	3	3	3	0	406.	314.	5.807	1.	2.081	42.767

VERIFICHE ALLO STATO LIMITE ULTIMO

FLESSIONE:

Progressive	SE	Ar	Msd	Epsc	Epsac	Mrd	Epsc	Epsac	Cam	x/d	Mr/Ms	VE	
> 0.	0.	3.	1.	-4906329.	-.06	.167	-5477889.	-.067	.186	2.	.266	1.116	SI
0.	0.	3.	1.	981098.	-.013	.061	2985576.	-.041	.186	2.	.18	3.043	SI
376.	376.	3.	1.	1434785.	-.019	.089	2985576.	-.041	.186	2.	.18	2.081	SI
389.	389.	3.	1.	-187300.	-.002	.006	-5477889.	-.067	.186	2.	.266	29.25	SI
406.	406.	3.	1.	1434785.	-.019	.089	2985576.	-.041	.186	2.	.18	2.081	SI

TAGLIO:

Progressive	Se	Vsd	VRd	VRcd	VRsd	Asw	s	ctgT	Ve	
> 0.	0.	3.	-11472.	22501.	157887.	160116.	4.52	15.	2.25	SI
0.	0.	3.	7207.	22501.	157887.	160116.	4.52	15.	2.25	SI
144.	144.	3.	-6676.	25350.	146695.	88954.	4.52	30.	2.5	SI
406.	406.	3.	33232.	22501.	157887.	160116.	4.52	15.	2.25	SI

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

TENSIONI DI ESERCIZIO E FESSURAZIONE - RARE:

Progressive	Se	Ar	Momento	σ_c	σ_f	As	hc,ef	Eps%	Sr,max	wd	Ve	
> 0.	0.	3.	1.	-2320780.	-37.8	1650.	22.81	7.5	.0593	68.73	.408	SI
53.	53.	3.	1.	-2375162.	-38.7	1688.7	22.81	7.5	.0611	68.73	.42	SI
406.	406.	3.	1.	1022042.	-19.3	1338.3	12.06	7.5	.0382	75.49	.289	SI

TENSIONI DI ESERCIZIO E FESSURAZIONE - FREQUENTI:

Progressive	Se	Ar	Momento	σ_c	σ_f	As	hc,ef	Eps%	Sr,max	wd	Ve	
> 0.	0.	3.	1.	-2041037.	-33.2	1451.1	22.81	7.5	.0498	68.73	.342	SI
53.	53.	3.	1.	-2109551.	-34.3	1499.8	22.81	7.5	.0521	68.73	.358	SI
406.	406.	3.	1.	924735.	-17.5	1210.9	12.06	7.5	.0346	75.49	.261	SI

TENSIONI DI ESERCIZIO E FESSURAZIONE - QUASI PERMANENTI:

Progressive	Se	Ar	Momento	σ_c	σ_f	As	hc,ef	Eps%	Sr,max	wd	Ve		
> 0.	0.	3.	1.	-1962615.	-32.	1395.4	22.81	7.5	.0472	68.73	.324	NO	25
15.	15.	3.	1.	-1984077.	-32.3	1410.6	22.81	7.5	.0479	68.73	.329	NO	25
30.	30.	3.	1.	-2005539.	-32.7	1425.9	22.81	7.5	.0486	68.73	.334	NO	25
53.	53.	3.	1.	-2034620.	-33.1	1446.5	22.81	7.5	.0496	68.73	.341	NO	25
75.	75.	3.	1.	-2030346.	-33.1	1443.5	22.81	7.5	.0495	68.73	.34	NO	25
90.	90.	3.	1.	-2027473.	-33.	1441.5	22.81	7.5	.0494	68.73	.339	NO	25
105.	105.	3.	1.	-2017797.	-32.9	1434.6	22.81	7.5	.049	68.73	.337	NO	25
144.	144.	3.	1.	-1936028.	-31.5	1376.4	22.81	7.5	.0463	68.73	.318	NO	25
406.	406.	3.	1.	897805.	-17.	1175.6	12.06	7.5	.0336	75.49	.254	SI	

ARMATURE LONGITUDINALI ($\% = 100 \cdot A_f / A_{cl}$ - A_{cl} = area intera sezione)

Nro	Totale	%	Super.	%	Barre	Infer.	%	Barre
1	34.87	.498	22.81	.326	6d22	12.06	.172	6d16

MESSAGGI

25) Ampiezza fessura non verificata [NTC18 4.1.2.2.4].

VERIFICA PILASTRI:**VERIFICHE PILASTRI ESISTENTI**

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P001 (ID=32)
 Aste : 192; 1; 33
 Metodo di verifica : stati limite - NTC18 (q=1.5 ; muphi=2.6) ->
 Duttilita' : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capito 7 non attivi.
 Unita' di misura : cm; daN; daN/cm; daNcm; daN/cm2; deform.%; 1/r â€°(permille)
 Unita' particolari : fessure [wk]:mm - ferri:mm e cm2 - sezioni:cm e derivate.
 Copriferrì (assi) : longitudinali= 3.5 ; staffe= 2.5
 Imperfezioni : M minimo = N * e0 ; M aggiunto = N * ei
 Instabilita' : snellezza limite [EC2 5.8.3.1]

MATERIALI

CLS : C20/25; Rck=250; fck=207.5; fctk=15.86; fctm=22.65; Ecm=302005;
 gc=1.5; fcd=117.6; fbd=23.79; fctd=10.57; Ec2=0.2%; Ecu=0.35%
 ACCIAIO: Aq 60 (1957); ftk=3100; fyk=3100; Es=2000000; gs=1.15; fyd=2695.7;
 ftd=2695.7; fud=2695.7; Eyd=0.1348%; Eud=3.99996%

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.

CLS : σ (rara)=124.5; σ (quasi permanente)=93.4; fbd(esercizio)=23.79ACCIAIO: σ (rara)=2480; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (statico)	2
3	SLU VENTOY	SLU (statico)	2
6	SLU con SISMAY PRINC	SLU (sismico)	16
7	SLU con SISMAY PRINC	SLU (sismico)	16
12	Rara	RARA	1
13	Rara VentoX	RARA	2
14	Rara VentoY	RARA	2
15	Frequente	FREQUENTE	1
16	Frequente VentoX	FREQUENTE	2
17	Frequente VentoY	FREQUENTE	2
18	Quasi Perm	QUASI PERMAN.	1

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SEZIONI UTILIZZATE

1) Rettangolare: base=35; alt.=35; Acl=1225; iy=10.1; iz=10.1

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm
1	1	2.	2.	.27	.27	80.	56.	0.	0.	8.04	.657 4φ16
2	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657 4φ16
3	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657 4φ16

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (incluse le imperfezioni):

Asta	Caso	NEd	MEyd	MEzd	E c/s	σ c	E acc	σ f	VE
> 1	3- 2	-48628.	110223.	3.14	110223.	1.44	-.059	-58.8	-.013 -260.9 SI
1	3- 2	-48468.	-65802.	1.	-63541.	1.	-.048	-49.5	-.021 -422.4 SI
1	3- 2	-48309.	-179594.	1.08	-216342.	1.06	-.08	-75.1	.003 69.6 SI
> 2	3- 1	-26002.	122231.	1.32	94780.	1.45	-.041	-42.9	.002 32.9 SI
2	3- 1	-25326.	-192409.	1.	-13045.	1.	-.039	-41.6	.001 28.1 SI
2	3- 2	-24969.	-140918.	1.25	-117444.	1.32	-.045	-47.3	.007 142.6 SI
> 3	6-10	-716.	70555.	1.01	89597.	1.01	-.032	-34.2	.054 1075.8 SI
3	3- 2	-5535.	280457.	1.	-5497.	1.	-.051	-52.1	.092 1848.9 SI
3	6-10	326.	-53553.	1.01	-90914.	1.	-.028	-30.8	.056 1113.1 SI

SNELLEZZA LIMITE Y [EC2 5.8.3.1]:

Asta	Caso	NEd	MEyd inf	MEyd sup	10	A	B	C	nu	L lim	Lambd	VE
1	7-12	-35199.	-48082.8	-78521.3	80.	.7	1.14	1.09	.244	35.13	7.92	SI
2	3- 2	-26322.4	9283.4	-112620.	340.	.7	1.14	1.78	.183	66.58	33.65	SI
3	7- 9	-6279.1	10223.	8785.2	340.	.7	1.14	.841	.044	64.29	33.65	SI

SNELLEZZA LIMITE Z [EC2 5.8.3.1]:

Asta	Caso	NEd	MEzd inf	MEzd sup	10	A	B	C	nu	L lim	Lambd	VE
1	6- 2	-33356.9	-2079.1	-107867.	80.	.7	1.14	1.68	.232	55.77	7.92	SI
2	6- 4	-21521.	11722.8	-36915.1	340.	.7	1.14	2.02	.149	83.35	33.65	SI
3	6- 7	-6602.4	27500.1	-32332.1	340.	.7	1.14	2.55	.046	190.2	33.65	SI

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	2- 2	-3538.6	9603.4	9603.4	25144.8	1.01	20.	2.5	NO 10
1 C	2- 2	-3538.6	9603.4	9603.4	25144.8	1.01	20.	2.5	NO 10
1 S	2- 2	-3538.6	9603.4	9603.4	25144.8	1.01	20.	2.5	NO 10
2 I	2- 2	-466.3	9603.4	9603.4	23726.7	1.01	20.	2.5	NO 10
2 C	2- 2	-466.3	9603.4	9603.4	23632.2	1.01	20.	2.5	NO 10

2 S	2- 2	-466.3	9603.4	9603.4	23537.7	1.01	20.	2.5	NO	10
3 I	2- 2	-596.6	9603.4	9603.4	21008.5	1.01	20.	2.5	NO	10
3 C	2- 2	-596.6	9603.4	9603.4	20913.9	1.01	20.	2.5	NO	10
3 S	2- 2	-596.6	9603.4	9603.4	20819.4	1.01	20.	2.5	NO	10

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE	
1 I	7- 5	3058.	9603.4	9603.4	23804.1	1.01	20.	2.5	NO	10
1 C	7- 5	3058.	9603.4	9603.4	23787.	1.01	20.	2.5	NO	10
1 S	7- 5	3058.	9603.4	9603.4	23769.9	1.01	20.	2.5	NO	10
2 I	3- 1	2992.3	9603.4	9603.4	23747.2	1.01	20.	2.5	NO	10
2 C	7- 7	404.5	9603.4	9603.4	21532.7	1.01	20.	2.5	NO	10
2 S	3- 2	2988.2	9603.4	9603.4	23602.9	1.01	20.	2.5	NO	10
3 I	3- 1	4173.5	9603.4	9603.4	21076.1	1.01	20.	2.5	NO	10
3 C	7- 7	458.9	9603.4	9603.4	20174.6	1.01	20.	2.5	NO	10
3 S	3- 2	4102.8	9603.4	9603.4	20794.3	1.01	20.	2.5	NO	10

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	14- 2	-33886.4	25319.6	53912.9	-34.8	-266.9	SI
1 C	14- 2	-33763.9	-44742.5	-44551.4	-35.9	-251.2	SI
1 S	14- 2	-33641.4	-114804.6	-143015.7	-55.9	-7.	SI
2 I	14- 1	-18294.8	62998.1	45874.3	-26.6	-49.8	SI
2 C	14- 1	-17774.2	-128567.6	-9163.3	-29.9	2.1	SI
2 S	14- 2	-17467.	-76826.2	-62698.	-29.8	5.3	SI
3 I	14- 1	-5057.	90378.3	67024.4	-34.	524.2	SI
3 C	14- 2	-4093.7	186806.5	-3898.	-40.2	1166.1	SI
3 S	14- 2	-3573.1	-64499.5	-73913.8	-31.	542.6	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	17- 2	-31504.4	27628.7	47415.7	-32.5	-246.2	SI
1 C	17- 2	-31381.9	-41414.1	-41617.	-33.3	-233.4	SI
1 S	17- 2	-31259.4	-110456.8	-130649.6	-52.2	-4.1	SI
2 I	17- 1	-16990.5	40472.4	41522.3	-22.5	-73.5	SI
2 C	17- 1	-16469.9	-31082.7	-8097.1	-17.	-128.8	SI
2 S	17- 2	-15992.	-53976.3	-57415.9	-25.2	-20.2	SI
3 I	17- 1	-3928.7	55924.6	60209.5	-24.8	360.4	SI
3 C	17- 2	-3319.5	44476.8	-2012.1	-9.4	79.5	SI
3 S	17- 2	-2798.9	-36517.9	-64052.3	-22.2	394.	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	18- 1	-30804.4	28132.4	45546.3	-31.8	-240.3	SI
1 C	18- 1	-30681.9	-40634.7	-40533.1	-32.6	-228.2	SI
1 S	18- 1	-30559.4	-109401.8	-126612.5	-51.	-3.5	SI
2 I	18- 1	-16620.2	34852.8	40136.9	-21.3	-79.3	SI
2 C	18- 1	-16099.6	-6707.5	-7788.4	-13.8	-159.9	SI
2 S	18- 1	-15579.	-48267.8	-55713.7	-24.	-26.3	SI
3 I	18- 1	-3659.	47306.9	58143.1	-22.5	322.1	SI
3 C	18- 1	-3138.4	8925.2	-1647.8	-3.6	-20.1	SI
3 S	18- 1	-2617.8	-29456.4	-61438.7	-20.	358.5	SI

MESSAGGI

10) Passo staffe insufficiente [4.1.6.1.2].

IL PASSO STAFFE DEL PILASTRO ESISTENTE NON RISPONDE AI VALORI MINIMI RICHIESTI DALLE NTC 2018, MA LA VERIFICA A TAGLIO A' COMUNQUE SODDISFATTA

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P004 (ID=35)
 Aste : 195; 4; 36
 Metodo di verifica : stati limite - NTC18 (q=1.5 ; muphi=2.58) ->
 Duttilita' : non prevista (struttura non dissipativa).
 dettagli costruttivi del capito 7 non attivi.
 Unita' di misura : cm; daN; daN/cm; daNcm; daN/cm2; deform.%; 1/r â€°(permille)
 Unita' particolari : fessure [wk]:mm - ferri:mm e cm2 - sezioni:cm e derivate.
 Copriferr (assi) : longitudinale= 3.5 ; staffe= 2.5
 Imperfezioni : M minimo = N * e0 ; M aggiunto = N * ei
 Instabilita' : snellezza limite [EC2 5.8.3.1]

MATERIALI

CLS : C20/25; Rck=250; fck=207.5; fctk=15.86; fctm=22.65; Ecm=302005;
 gc=1.5; fcd=117.6; fbd=23.79; fctd=10.57; Ec2=0.2%; Ecu=0.35%
 ACCIAIO: FeB32 (1972); ftk=3200; fyk=3200; Es=2000000; gs=1.15; fyd=2782.6;
 ftd=2782.6; fud=2782.6; Eyd=0.1391%; Eud=3.99996%

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.

CLS : σc (rara)=124.5; σc (quasi permanente)=93.4; fbd(esercizio)=23.79
 ACCIAIO: σf (rara)=2560; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (statico)	2
3	SLU VENTOY	SLU (statico)	2
6	SLU con SISMAX PRINC	SLU (sismico)	16
7	SLU con SISMAX PRINC	SLU (sismico)	16
10	Rara	RARA	1
11	Rara VentoX	RARA	2
12	Rara VentoY	RARA	2
13	Frequente	FREQUENTE	1
14	Frequente VentoX	FREQUENTE	2
15	Frequente VentoY	FREQUENTE	2
16	Quasi Perm	QUASI PERMAN.	1

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SEZIONI UTILIZZATE

1) Rettangolare: base=35; alt.=35; Acl=1225; iy=10.1; iz=10.1

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm
1	1	2.	2.	.27	.27	80.	56.	0.	0.	8.04	.657
2	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657
3	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (incluse le imperfezioni):

Asta	Caso	NEd	MEyd	MEzd	E cl	σc	E acc	σf	VE
> 1	2- 2	-52516.	119036.	-119036.	-0.064	-63.2	-0.014	-281.4	SI
1	2- 2	-52357.	24414.	63950.	-0.046	-47.9	-0.028	-552.3	SI
1	2- 1	-52118.	-118134.	177310.	-0.07	-68.3	-0.009	-172.9	SI
> 2	2- 2	-35334.	-110715.	-110715.	-0.048	-49.6	-0.004	-84.9	SI
2	3- 2	-34647.	-9561.	6879.	-0.025	-27.3	-0.022	-430.3	SI
2	2- 2	-33981.	-106473.	106473.	-0.046	-47.8	-0.004	-82.	SI
> 3	6- 4	-8949.	28039.	-129009.	-0.027	-29.5	.018	352.8	SI
3	2- 1	-16365.	-4006.	4879.	-0.011	-13.1	-0.01	-195.9	SI
3	6- 4	-7908.	-24777.	139322.	-0.029	-31.3	.025	492.2	SI

SNELLEZZA LIMITE Y [EC2 5.8.3.1]:

Asta	Caso	NEd	MEyd inf	MEyd sup	l0	A	B	C	nu	L lim	Lambd	VE
1	3- 1	-52448.3	52442.1	-4047.3	80.	.7	1.15	1.78	.364	47.21	7.92	SI
2	3- 2	-35323.7	-7157.9	-11963.2	340.	.7	1.15	1.1	.245	35.66	33.65	SI
3	3- 2	-17064.	16269.6	-24369.6	340.	.7	1.15	2.37	.118	110.3	33.65	SI

SNELLEZZA LIMITE Z [EC2 5.8.3.1]:

Asta	Caso	NEd	MEzd inf	MEzd sup	l0	A	B	C	nu	L lim	Lambd	VE
1	7- 4	-31488.4	37408.9	63434.4	80.	.7	1.15	1.11	.219	38.06	7.92	SI
2	7-12	-20994.6	-716.8	9077.3	340.	.7	1.15	1.78	.146	74.69	33.65	SI
3	3- 2	-17064.	-61892.9	70579.3	340.	.7	1.15	2.58	.118	120.	33.65	SI

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	6- 4	4178.9	16522.	16522.	24443.	1.01	12.	2.5	SI
1 C	6- 4	4178.9	16522.	16522.	24425.9	1.01	12.	2.5	SI
1 S	6- 4	4178.9	16522.	16522.	24408.8	1.01	12.	2.5	SI
2 I	6- 2	609.3	16522.	16522.	22940.2	1.01	12.	2.5	SI
2 C	6- 2	609.3	10435.	10435.	22867.5	1.01	19.	2.5	SI
2 S	6- 2	609.3	16522.	16522.	22794.8	1.01	12.	2.5	SI
3 I	6- 4	733.	16522.	16522.	21365.6	1.01	12.	2.5	SI
3 C	6- 4	733.	10435.	10435.	21292.9	1.01	19.	2.5	SI
3 S	6- 4	733.	16522.	16522.	21220.2	1.01	12.	2.5	SI

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	7- 2	2425.3	16522.	16522.	24470.9	1.01	12.	2.5	SI
1 C	7- 2	2425.3	16522.	16522.	24453.8	1.01	12.	2.5	SI
1 S	7- 2	2425.3	16522.	16522.	24436.7	1.01	12.	2.5	SI
2 I	7-15	165.2	16522.	16522.	23038.3	1.01	12.	2.5	SI
2 C	7-15	165.2	10435.	10435.	22965.5	1.01	19.	2.5	SI
2 S	7-15	165.2	16522.	16522.	22892.8	1.01	12.	2.5	SI
3 I	3- 1	123.6	16522.	16522.	22496.3	1.01	12.	2.5	SI
3 C	3- 1	123.6	10435.	10435.	22401.8	1.01	19.	2.5	SI
3 S	3- 1	123.6	16522.	16522.	22307.3	1.01	12.	2.5	SI

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	11- 1	-36759.6	38270.5	-32487.7	-35.9	-311.2	SI
1 C	11- 2	-36690.	17351.9	44391.4	-34.8	-323.3	SI
1 S	11- 1	-36514.6	-3497.2	114049.2	-41.3	-241.7	SI
2 I	11- 1	-24788.6	-4468.6	-34186.5	-23.1	-222.8	SI
2 C	12- 2	-24301.1	-6729.	4818.1	-19.5	-256.	SI
2 S	11- 1	-23747.3	-8363.1	44578.9	-24.1	-190.7	SI
3 I	11- 1	-11997.2	11739.3	-48455.	-16.1	-48.6	SI
3 C	11- 1	-11476.5	-2815.	3425.3	-9.3	-119.8	SI
3 S	11- 1	-10955.9	-17369.4	55305.6	-16.8	-19.1	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	14- 1	-32649.1	34671.9	-25475.1	-31.6	-280.3	SI
1 C	14- 2	-32537.2	15783.8	39525.8	-30.9	-285.9	SI

1 S	14- 1	-32404.1	-3090.4	103082.4	-36.9	-211.8	SI
2 I	14- 1	-21583.1	-3951.3	-29414.7	-20.1	-194.4	SI
2 C	15- 2	-21069.1	-5797.7	4589.9	-17.1	-221.4	SI
2 S	14- 1	-20541.7	-7518.8	38745.8	-20.9	-164.3	SI
3 I	14- 1	-9686.1	10481.9	-41277.7	-13.4	-34.7	SI
3 C	14- 1	-9165.5	-2266.4	470.9	-7.2	-98.9	SI
3 S	14- 1	-8644.9	-15014.7	42219.5	-13.3	-15.2	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	16- 1	-31467.1	33613.5	-23578.3	-30.3	-271.2	SI
1 C	16- 1	-31344.6	15319.9	38031.2	-29.8	-275.4	SI
1 S	16- 1	-31222.1	-2973.7	99640.7	-35.5	-203.7	SI
2 I	16- 1	-20705.1	-3801.7	-28021.4	-19.3	-186.8	SI
2 C	16- 1	-20184.4	-5537.7	4500.3	-16.3	-212.1	SI
2 S	16- 1	-19663.8	-7273.7	37022.1	-20.1	-157.3	SI
3 I	16- 1	-9110.2	10121.8	-39230.4	-12.7	-31.7	SI
3 C	16- 1	-8589.6	-2130.1	-165.5	-6.7	-93.1	SI
3 S	16- 1	-8069.1	-14382.1	38899.5	-12.4	-14.4	SI

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P012 (ID=43)
Aste : 203; 12; 44; 67
Metodo di verifica : stati limite - NTC18 (q=1.5 ; muphi=2.58) ->
Duttilita' : non prevista (struttura non dissipativa).
: dettagli costruttivi del capito 7 non attivi.
Unita' di misura : cm; daN; daN/cm; daNcm; daN/cm2; deform. %; 1/r ‰ (permille)
Unita' particolari : fessure [wk]:mm - ferri:mm e cm2 - sezioni:cm e derivate.
Copriferr (assi) : longitudinali= 3.5 ; staffe= 2.5
Imperfezioni : M minimo = N * e0 ; M aggiunto = N * ei
Instabilita' : snellezza limite [EC2 5.8.3.1]

MATERIALI

CLS : C20/25; Rck=250; fck=207.5; fctk=15.86; fctm=22.65; Ecm=302005;
gc=1.5; fcd=117.6; fbd=23.79; fctd=10.57; Ec2=0.2%; Ecu=0.35%
ACCIAIO: FeB32 (1972); ftk=3200; fyk=3200; Es=2000000; gs=1.15; fyd=2782.6;
ftd=2782.6; fud=2782.6; Eyd=0.1391%; Eud=3.99996%

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.

CLS : σc (rara)=124.5; σc (quasi permanente)=93.4; fbd(esercizio)=23.79

ACCIAIO: σf (rara)=2560; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (statico)	2
3	SLU VENTOY	SLU (statico)	2
6	SLU con SISMAL PRINC	SLU (sismico)	16
7	SLU con SISMAL PRINC	SLU (sismico)	16
10	Rara	RARA	1
11	Rara VentoX	RARA	2
12	Rara VentoY	RARA	2
13	Frequente	FREQUENTE	1
14	Frequente VentoX	FREQUENTE	2
15	Frequente VentoY	FREQUENTE	2
16	Quasi Perm	QUASI PERMAN.	1

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SEZIONI UTILIZZATE

1) Rettangolare: base=35; alt.=35; Acls=1225; iy=10.1; iz=10.1

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm
1	1	2.	2.	.27	.27	80.	56.	0.	0.	8.04	.657
2	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657
3	1	2.	2.	1.13	1.13	340.	316.	53.	53.	8.04	.657
4	1	2.	2.	1.07	1.07	320.	285.	48.	48.	8.04	.657

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (incluse le imperfezioni):

Asta	Caso	NEd	MEyd	MEzd	E c/s	σc	E acc	σf	VE
> 1	3- 1	-59498.	134863.	5.57	-134863.	21.1	-.074	-70.8	-.016
1	3- 1	-59339.	16713.	1.	53530.	1.	-.049	-51.	-.034
1	3- 1	-59180.	134141.	14.6	134141.	1.18	-.073	-70.5	-.016
> 2	3- 1	-39944.	-125157.	10.6	-125157.	4.22	-.055	-55.7	-.005
2	3- 2	-39221.	-4114.	1.	4048.	1.	-.027	-29.7	-.025
2	3- 1	-38590.	120916.	26.	120916.	3.19	-.053	-53.9	-.005
> 3	2- 1	-19285.	-60426.	22.6	-70191.	1.45	-.026	-28.8	-.002
3	7-12	-11295.	-178367.	1.	6702.	1.	-.032	-35.	.023
3	7-12	-10775.	-387831.	1.03	33761.	6.96	-.079	-74.4	.117
> 4	7-10	-1981.	-562821.	1.	-154048.	1.01	-.937	-352.3	6.548

4	7-10	-1491.	-297482.	1.	-32079.	1.	-0.059	-59.4	.129	2573.	SI
4	6- 2	-1675.	11886.	1.18	218860.	1.01	-0.04	-42.5	.088	1769.	SI

SNELLEZZA LIMITE Y [EC2 5.8.3.1]:

Asta	Caso	NEd	MEyd inf	MEyd sup	10	A	B	C	nu	L lim	Lambda	VE
1	3- 2	-59430.3	12978.2	10394.1	80.	.7	1.15	.899	.413	22.44	7.92	SI
2	6- 4	-26253.8	8875.2	8945.5	340.	.7	1.15	.708	.182	26.58	33.65	NO
3	2- 2	-19287.9	-2657.5	-2201.8	340.	.7	1.15	.871	.134	38.17	33.65	SI
4	3- 1	-2361.5	-1188.4	-546.	320.	.7	1.15	1.24	.016	155.3	31.67	SI

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SNELLEZZA LIMITE Z [EC2 5.8.3.1]:

Asta	Caso	NEd	MEzd inf	MEzd sup	10	A	B	C	nu	L lim	Lambda	VE
1	2- 2	-59465.9	-4026.1	106729.2	80.	.7	1.15	1.74	.413	43.35	7.92	SI
2	7- 7	-24974.5	4115.5	1789.3	340.	.7	1.15	1.27	.173	48.7	33.65	SI
3	7-12	-11816.	3978.6	4853.2	340.	.7	1.15	.88	.082	49.26	33.65	SI
4	6- 2	-2654.9	-365239.	217073.5	320.	.7	1.15	2.29	.018	270.9	31.67	SI

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE	
1	I	6- 2	2212.3	16522.	16522.	25144.8	1.01	12.	2.5	SI
1	C	6- 2	2212.3	16522.	16522.	25144.8	1.01	12.	2.5	SI
1	S	6- 2	2212.3	16522.	16522.	25144.8	1.01	12.	2.5	SI
2	I	6- 2	490.9	16522.	16522.	23797.9	1.01	12.	2.5	SI
2	C	6- 2	490.9	10435.	10435.	23725.2	1.01	19.	2.5	SI
2	S	6- 2	490.9	16522.	16522.	23652.5	1.01	12.	2.5	SI
3	I	6- 2	495.1	16522.	16522.	22026.2	1.01	12.	2.5	SI
3	C	6- 2	495.1	10435.	10435.	21953.5	1.01	19.	2.5	SI
3	S	6- 2	495.1	16522.	16522.	21880.8	1.01	12.	2.5	SI
4	I	6- 2	1819.7	16522.	16522.	20486.6	1.01	12.	2.5	SI
4	C	6- 2	1819.7	10435.	10435.	20418.2	1.01	19.	2.5	SI
4	S	6- 2	1819.7	16522.	16522.	20349.8	1.01	12.	2.5	SI

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE	
1	I	7- 7	1078.2	16522.	16522.	25144.8	1.01	12.	2.5	SI
1	C	7- 7	1078.2	16522.	16522.	25144.8	1.01	12.	2.5	SI
1	S	7- 7	1078.2	16522.	16522.	25144.8	1.01	12.	2.5	SI
2	I	7-12	-240.6	16522.	16522.	23547.2	1.01	12.	2.5	SI
2	C	7-12	-240.6	10435.	10435.	23474.5	1.01	19.	2.5	SI
2	S	7-12	-240.6	16522.	16522.	23401.8	1.01	12.	2.5	SI
3	I	7-11	1162.2	16522.	16522.	21766.3	1.01	12.	2.5	SI
3	C	7-11	1162.2	10435.	10435.	21693.6	1.01	19.	2.5	SI
3	S	7-11	1162.2	16522.	16522.	21620.9	1.01	12.	2.5	SI
4	I	7-12	-1645.7	16522.	16522.	20315.3	1.01	12.	2.5	SI
4	C	7-12	-1645.7	10435.	10435.	20246.9	1.01	19.	2.5	SI
4	S	7-12	-1645.7	16522.	16522.	20178.5	1.01	12.	2.5	SI

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE	
1	I	12- 1	-42433.8	16987.1	-4536.3	-34.3	-445.1	SI
1	C	12- 1	-42311.3	11596.6	37365.8	-37.5	-404.6	SI
1	S	11- 1	-42165.	6643.5	82408.4	-42.1	-345.7	SI
2	I	11- 1	-28602.9	-9265.6	-23390.9	-25.3	-274.1	SI
2	C	12- 2	-28068.1	-2966.1	2834.5	-21.7	-306.5	SI
2	S	11- 1	-27561.6	3707.6	29124.3	-24.5	-262.2	SI
3	I	11- 1	-13961.7	-1666.5	-33408.5	-14.6	-106.5	SI
3	C	12- 2	-13434.3	-2009.2	7049.4	-11.1	-137.7	SI
3	S	11- 1	-12920.5	-1540.1	47771.4	-15.5	-74.5	SI
4	I	11- 2	-1786.4	-1065.	-89143.8	-18.9	572.1	SI
4	C	11- 2	-1296.4	-751.	-22331.3	-4.8	63.5	SI
4	S	12- 1	-808.3	-391.4	44767.4	-9.4	296.7	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE	
1	I	15- 1	-38358.7	12816.	-3936.3	-30.7	-406.2	SI
1	C	15- 1	-38236.2	8622.2	28316.2	-33.	-376.1	SI
1	S	14- 1	-38108.9	4515.8	61196.8	-36.3	-333.6	SI
2	I	14- 1	-25915.4	-7797.3	-15445.6	-22.1	-257.4	SI
2	C	15- 2	-25392.	-2614.9	2243.4	-19.6	-277.8	SI
2	S	14- 1	-24874.2	2642.3	19945.3	-21.3	-246.7	SI
3	I	14- 1	-12649.4	-862.7	-22709.2	-12.3	-108.2	SI
3	C	15- 2	-12127.4	-1241.4	3591.4	-9.6	-129.1	SI
3	S	14- 1	-11608.1	-1457.7	29944.8	-12.4	-85.4	SI
4	I	14- 2	-1739.2	-1001.4	-70674.7	-15.1	418.8	SI
4	C	14- 2	-1249.2	-708.7	-16179.4	-3.4	26.6	SI
4	S	15- 1	-759.6	-407.	38373.1	-8.1	247.1	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE	
1	I	16- 1	-37106.5	11722.	-3762.6	-29.6	-394.	SI
1	C	16- 1	-36984.	7833.9	25946.8	-31.7	-366.5	SI
1	S	16- 1	-36861.5	3945.8	55656.1	-34.6	-328.3	SI
2	I	16- 1	-25124.4	-7394.	-13410.9	-21.3	-252.1	SI
2	C	16- 1	-24603.8	-2488.3	2087.9	-18.9	-269.4	SI
2	S	16- 1	-24083.2	2417.3	17586.8	-20.4	-241.5	SI
3	I	16- 1	-12316.2	-712.5	-19962.9	-11.7	-108.6	SI
3	C	16- 1	-11795.6	-1069.9	2732.8	-9.3	-126.8	SI
3	S	16- 1	-11275.	-1427.3	25428.6	-11.6	-88.1	SI
4	I	16- 1	-1725.7	-979.1	-65699.5	-14.	377.8	SI
4	C	16- 1	-1235.7	-693.4	-14571.5	-3.1	18.9	SI
4	S	16- 1	-745.7	-407.8	36556.5	-7.8	233.	SI

MESSAGGI

- 1) Verifica presso-flessionale a SLU non soddisfatta [4.1.2.3.4.2].
 13) Snellezza eccessiva [4.1.2.3.9.2].

SI RILEVA FORMAZIONE DI CERNIERA PLASTICA DELL'ELEMENTO NELLA ZONA DEL SOTTOTETTO, IN QUANTO LE MASSE DELLA COPERTURA SONO STATE ATTRIBuite ALLA STRUTTURA IN C.A. SENZA CONSIDERARE I VINCOLI PRESENTI FRA ORDITURA DI LEGNO E TELAIO SPAZIALE IN C.A.

IN OGNI CASO LA CERNIERA PLASTICA È ACCETTABILE IN QUANTO NON COMPORTA LA ROTTURA FRAGILE DELL'ELEMENTO A SLV; MEDIANTE OPPORTUNA VERIFICA E SISTEMAZIONE DEI VINCOLI DELLA COPERTURA È POSSIBILE RIDURRE I MOMENTI SUL PROLUNGAMENTO DEI PILASTRI NEL SOTTOTETTO, CON CONSEGUENTE RIDUZIONE DELLE SOLLECITAZIONI AGENTI.

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P022 (ID=53)
 Aste : 217; 26; 58
 Metodo di verifica : stati limite - NTC18 (q=1.5 ; muphi=2.58) ->
 Duttilita' : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capito 7 non attivi.
 Unita' di misura : cm; daN/cm; daN/cm; daN/cm2; deform.%; 1/r â€°(permille)
 Unita' particolari : fessure [wk]:mm - ferri:mm e cm2 - sezioni:cm e derivate.
 Copriferrì (assi) : longitudinali= 3.5 ; staffe= 2.5
 Imperfezioni : M minimo = N * e0 ; M aggiunto = N * ei
 Instabilita' : snellezza limite [EC2 5.8.3.1]

MATERIALI

CLS : C20/25; Rck=250; fck=207.5; fctk=15.86; fctm=22.65; Ecm=302005;
 gc=1.5; fcd=117.6; fbd=23.79; fctd=10.57; Ec2=0.2%; Ecu=0.35%
 ACCIAIO: FeB32 (1972); ftk=3200; fyk=3200; Es=2000000; gs=1.15; fyd=2782.6;
 ftd=2782.6; fud=2782.6; Eyd=0.1391%; Eud=3.99996%

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.

CLS : σ_c (rara)=124.5; σ_c (quasi permanente)=93.4; fbd(esercizio)=23.79
 ACCIAIO: σ_f (rara)=2560; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (statico)	2
3	SLU VENTOY	SLU (statico)	2
6	SLU con SISMAL PRINC	SLU (sismico)	16
7	SLU con SISMAY PRINC	SLU (sismico)	16
10	Rara	RARA	1
11	Rara VentoX	RARA	2
12	Rara VentoY	RARA	2
13	Frequente	FREQUENTE	1
14	Frequente VentoX	FREQUENTE	2
15	Frequente VentoY	FREQUENTE	2
16	Quasi Perm	QUASI PERMAN.	1

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SEZIONI UTILIZZATE

- 1) Rettangolare: base=35; alt.=35; Acl=1225; iy=10.1; iz=10.1

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	ei	ey	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm
1	1	2	2	.27	.27	80.	56.	0.	0.	8.04	.657
2	1	2	2	1.13	1.13	340.	316.	53.	53.	8.04	.657
3	1	2	2	1.13	1.13	340.	316.	53.	53.	8.04	.657

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (incluse le imperfezioni):

Asta	Caso	NEd	MEyd	MEzd	E c/s	σ_c	E acc	σ_f	VE
> 1	3- 2	-34972.	-173889.	79269.	4.23	-0.051	-52.7	-0.001	-24.8
1	3- 2	-34813.	-92293.	-16991.	1.	-0.035	-37.7	-0.014	-271.7
1	3- 1	-34830.	-78949.	4.27	1.53	-0.04	-42.8	-0.009	-187.5
> 2	3- 1	-24511.	-76802.	7.05	3.25	-0.032	-35.	-0.003	-61.
2	3- 2	-23717.	-5426.	1.	1.	-0.016	-18.6	-0.015	-292.
2	3- 1	-23158.	72561.	40.4	2.25	-0.03	-33.1	-0.003	-57.8
> 3	6-12	-6285.	-19693.	4.92	93608.	1.08	-0.019	-21.6	0.013
3	2- 2	-12211.	5723.	1.	-268.	1.	-0.008	-9.7	-0.007
3	6-12	-5244.	19200.	1.45	-100899.	1.06	-0.021	-23.3	0.02

SNELLEZZA LIMITE Y [EC2 5.8.3.1]:

Asta	Caso	NEd	MEyd inf	MEyd sup	10	A	B	C	nu	L lim	Lambd	VE
1	3- 1	-35148.9	-149709.	-18468.6	80.	.7	1.15	1.58	.244	51.16	7.92	SI
2	3- 1	-24511.4	-10896.2	1797.4	340.	.7	1.15	1.87	.17	72.46	33.65	SI
3	6-10	-6436.8	3088.5	2938.7	340.	.7	1.15	.749	.045	56.75	33.65	SI

SNELLEZZA LIMITE Z [EC2 5.8.3.1]:

Asta	Caso	NEd	MEzd inf	MEzd sup	10	A	B	C	nu	L lim	Lambd	VE
1	2- 1	-35042.2	9462.3	-47335.1	80.	.7	1.15	1.9	.243	61.74	7.92	SI
2	7-10	-13288.3	-249.6	-8988.7	340.	.7	1.15	1.67	.092	88.24	33.65	SI

3| 2- 2| -12887.5| 36889.9|-37424.9|340. |.7 |1.15|2.69| .089|143.9|33.65|SI|

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	6-12	-3125.7	16522.	16522.	23017.6	1.01	12.	2.5	SI
1 C	6-12	-3125.7	16522.	16522.	23000.5	1.01	12.	2.5	SI
1 S	6-12	-3125.7	16522.	16522.	22983.4	1.01	12.	2.5	SI
2 I	6-12	-482.3	16522.	16522.	22056.	1.01	12.	2.5	SI
2 C	6-12	-482.3	10435.	10435.	21983.3	1.01	19.	2.5	SI
2 S	6-12	-482.3	16522.	16522.	21910.5	1.01	12.	2.5	SI
3 I	6-12	-533.6	16522.	16522.	20993.6	1.01	12.	2.5	SI
3 C	6-12	-533.6	10435.	10435.	20920.9	1.01	19.	2.5	SI
3 S	6-12	-533.6	16522.	16522.	20848.2	1.01	12.	2.5	SI

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	7-12	-2384.	16522.	16522.	22903.2	1.01	12.	2.5	SI
1 C	7-12	-2384.	16522.	16522.	22886.1	1.01	12.	2.5	SI
1 S	7-12	-2384.	16522.	16522.	22868.9	1.01	12.	2.5	SI
2 I	7-12	-179.8	16522.	16522.	21982.5	1.01	12.	2.5	SI
2 C	7-12	-179.8	10435.	10435.	21909.8	1.01	19.	2.5	SI
2 S	7-12	-179.8	16522.	16522.	21837.1	1.01	12.	2.5	SI
3 I	7-12	-110.	16522.	16522.	20957.6	1.01	12.	2.5	SI
3 C	7-12	-110.	10435.	10435.	20884.9	1.01	19.	2.5	SI
3 S	7-12	-110.	16522.	16522.	20812.2	1.01	12.	2.5	SI

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	11- 2	-24466.9	-111786.2	18763.1	-33.8	-88.	SI
1 C	12- 2	-24273.3	-65217.	-12194.8	-27.4	-161.7	SI
1 S	11- 2	-24221.9	-13380.1	-39710.1	-24.4	-195.8	SI
2 I	11- 2	-17097.	-8840.	19669.2	-16.2	-151.	SI
2 C	12- 2	-16529.8	-3761.3	-3133.2	-13.2	-175.5	SI
2 S	11- 2	-16055.7	1916.2	-25844.2	-15.3	-140.4	SI
3 I	11- 2	-8985.4	-1204.7	25884.9	-9.9	-62.1	SI
3 C	11- 2	-8464.8	3857.7	-353.5	-6.8	-88.9	SI
3 S	11- 2	-7944.1	8920.1	-26591.9	-10.2	-38.4	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	14- 2	-21539.7	-102681.8	10258.8	-29.5	-80.3	SI
1 C	15- 2	-21403.	-58301.1	-11429.4	-24.3	-140.5	SI
1 S	14- 2	-21294.7	-12866.8	-32429.	-21.3	-174.1	SI
2 I	14- 2	-14554.5	-7635.1	15599.9	-13.6	-130.1	SI
2 C	15- 2	-14024.6	-3396.8	-2658.4	-11.2	-148.6	SI
2 S	14- 2	-13513.3	961.2	-20898.4	-12.7	-120.3	SI
3 I	14- 2	-6822.4	-331.4	20749.7	-7.6	-46.4	SI
3 C	14- 2	-6301.7	3779.2	-552.1	-5.2	-64.5	SI
3 S	14- 2	-5781.1	7889.7	-21854.	-7.9	-22.4	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	16- 1	-20743.6	-100013.	8238.4	-28.4	-78.1	SI
1 C	16- 1	-20621.1	-56362.8	-11100.5	-23.4	-135.	SI
1 S	16- 1	-20498.6	-12712.6	-30439.5	-20.5	-168.3	SI
2 I	16- 1	-13888.5	-7284.8	14494.4	-13.	-124.7	SI
2 C	16- 1	-13367.8	-3303.5	-2519.6	-10.7	-141.6	SI
2 S	16- 1	-12847.2	677.9	-19533.6	-12.	-115.2	SI
3 I	16- 1	-6284.3	-73.	19346.3	-7.	-42.8	SI
3 C	16- 1	-5763.7	3757.6	-627.8	-4.8	-58.4	SI
3 S	16- 1	-5243.1	7588.3	-20602.	-7.3	-18.6	SI

NUOVE MEMBRATURE SISMORESISTENTI

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P033 (ID=70)
 Aste : 341; 394; 342
 Metodo di verifica : stati limite - NTC18 (q=1.5 ; μ_{phi} =2.6) ->
 Duttilita' : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capito 7 non attivi.
 Unita' di misura : cm; daN; daN/cm; daN/cm²; deform. %; 1/r $\hat{=}$ (permille)
 Unita' particolari : fessure [wk]:mm - ferri:mm e cm² - sezioni:cm e derivate.
 Copriferrì (assi) : longitudinali= 3.5 ; staffe= 2.5
 Imperfezioni : M minimo = N * e₀ ; M aggiunto = N * e_i
 Instabilita' : snellezza limite [EC2 5.8.3.1]

MATERIALI

CLS : C32/40-N08; Rck=400; fck=332; fctk=21.69; fctm=30.99; Ecm=336428;
 gc=1.5; fcd=188.1; fbd=32.54; fctd=14.46; Ec2=0.2%; Ecu=0.35%
 ACCIAIO: B450C; ftk=5175; fyk=4500; Es=2100000; gs=1.15; fyd=3913;
 ftd=4500; fud=4439.8; Eyd=0.1863%; Eud=6.75%

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.

CLS : σ_c (rara)=199.2; σ_c (quasi permanente)=149.4; fbd(esercizio)=32.54

ACCIAIO: σ_f (rara)=3600; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (statico)	2
3	SLU VENTOY	SLU (statico)	2
6	SLU con SISMAX PRINC	SLU (sismico)	16
7	SLU con SISMAY PRINC	SLU (sismico)	16
12	Rara	RARA	1
13	Rara Ventox	RARA	2
14	Rara VentoY	RARA	2
15	Frequente	FREQUENTE	1
16	Frequente Ventox	FREQUENTE	2
17	Frequente VentoY	FREQUENTE	2
18	Quasi Perm	QUASI PERMAN.	1

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SEZIONI UTILIZZATE

1) Generica: non_presente ; ingombro=150 X 140; Acl=8925; iy=44.11; iz=40.31

Ai fini della verifica dei 'Dettagli costruttivi per la duttilita' [7.4.6.2.2] non e' stata attivata l'opzione per assimilare le sezioni generiche a sezioni rettangolari equivalenti, tale verifica non verra' effettuata.

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	ieiz	ieiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm
1	1	2	2	.27	.27	80.	56.	0.	0.	69.71	.781
2	1	2	2	.1.13	.1.13	340.	310.	0.	0.	69.71	.781
3	1	2	2	.1.13	.1.13	340.	310.	0.	0.	65.75	.737

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (incluse le imperfezioni):

Asta	Caso	NEd	MEyd	MEzd	E c/s	σc	E acc	σf	VE
> 1	7-10	-32028.	5444977.	1.	-7732260.	1.	-.034	-58.4	.139
1	7- 5	7099.	-1492822.	1.	8020600.	1.	-.067	-105.4	.156
1	6- 2	4074.	5385814.	1.	3247062.	1.	-.064	-101.1	.184
> 2	7-12	-5653.	-673067.	1.01	-8183297.	1.	-.06	-95.9	.178
2	6- 2	7977.	3544462.	1.	2067130.	1.	-.042	-70.	.124
2	6- 2	7977.	2345275.	1.	1200730.	1.01	-.027	-46.7	.081
> 3	6- 2	2625.	2514295.	1.	1312843.	1.	-.029	-50.2	.082
3	6- 2	2625.	1211776.	1.	583642.	1.	-.014	-24.7	.04
3	7-12	-4357.	291430.	1.02	612439.	1.01	-.007	-12.2	.015

SNELLEZZA LIMITE Y [EC2 5.8.3.1]:

Asta	Caso	NEd	MEyd inf	MEyd sup	l0	A	B	C	nu	L lim	Lambd	VE
1	7- 9	-31306.9	4992836.	4751295.	80.	.7	1.15	.748	.019	88.32	1.81	SI
2	7-12	-5652.6	-666661.	-326769.	340.	.7	1.15	1.21	.003	336.	7.71	SI
3	7-13	-1781.1	189785.4	189538.4	340.	.7	1.14	.701	.001	344.6	7.71	SI

SNELLEZZA LIMITE Z [EC2 5.8.3.1]:

Asta	Caso	NEd	MEzd inf	MEzd sup	l0	A	B	C	nu	L lim	Lambd	VE
1	7-12	-40235.9	-6754947	-6104312	80.	.7	1.15	.796	.024	82.9	1.98	SI
2	7-12	-5652.6	-8176891	-2570359	340.	.7	1.15	1.39	.003	384.9	8.43	SI
3	6-14	-2422.2	194584.4	97250.9	340.	.7	1.14	1.2	.001	505.7	8.43	SI

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	6-13	-18819.7	63588.1	63588.1	141736.6	1.01	19.	2.5	SI
1 C	6-13	-18819.7	63588.1	63588.1	141736.6	1.01	19.	2.5	SI
1 S	6-13	-18819.7	63588.1	63588.1	141736.6	1.01	19.	2.5	SI
2 I	7-10	17179.5	63588.1	63588.1	139723.4	1.01	19.	2.5	SI
2 C	7-10	17179.5	63588.1	63588.1	139723.4	1.01	19.	2.5	SI
2 S	7-10	17179.5	63588.1	63588.1	139723.4	1.01	19.	2.5	SI
3 I	7-12	10942.	63588.1	63588.1	139831.9	1.01	19.	2.5	SI
3 C	7-12	10942.	63588.1	63588.1	139831.9	1.01	19.	2.5	SI
3 S	7-12	10942.	63588.1	63588.1	139831.9	1.01	19.	2.5	SI

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	6- 2	-36248.2	68246.6	68246.6	149687.6	1.01	19.	2.5	SI
1 C	6- 2	-36248.2	68246.6	68246.6	149687.6	1.01	19.	2.5	SI
1 S	6- 2	-36248.2	68246.6	68246.6	149687.6	1.01	19.	2.5	SI
2 I	6-10	-17615.9	68246.6	68246.6	149749.8	1.01	19.	2.5	SI
2 C	6-10	-17615.9	68246.6	68246.6	149749.8	1.01	19.	2.5	SI
2 S	6-10	-17615.9	68246.6	68246.6	149749.8	1.01	19.	2.5	SI
3 I	6-12	-10524.	68246.6	68246.6	149985.3	1.01	19.	2.5	SI
3 C	6-12	-10524.	68246.6	68246.6	149985.3	1.01	19.	2.5	SI
3 S	6-12	-10524.	68246.6	68246.6	149985.3	1.01	19.	2.5	SI

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	14- 1	-17063.9	-463389.8	1535712.7	-15.5	222.5	SI
1 C	14- 1	-17063.9	-770.4	1455066.4	-18.1	350.1	SI
1 S	14- 1	-17063.9	461849.1	1374420.1	-20.7	493.7	SI
2 I	14- 2	1266.1	-546667.8	-871221.7	-15.3	469.1	SI
2 C	14- 2	1266.1	-191134.4	-489133.5	-7.3	262.1	SI
2 S	13- 1	1799.8	231428.5	3908.4	-3.2	140.6	SI
3 I	13- 2	-661.9	-63072.2	-126110.8	-2.1	61.1	SI

3 C 13- 1	-458.5	186702.9	-3928.9	-2.4	70.3	SI
3 S 13- 2	-661.9	242532.9	109186.1	-4.1	141.8	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	17- 1	-16707.2	-121308.7	958857.3	-10.	109.7	SI
1 C	17- 1	-16707.2	248794.7	929412.8	-12.6	220.5	SI
1 S	17- 1	-16707.2	618898.	899968.2	-15.2	349.5	SI
2 I	17- 2	1433.7	-639245.4	-405360.4	-11.1	341.6	SI
2 C	17- 2	1433.7	-260129.9	-210198.9	-5.	156.1	SI
2 S	16- 1	1540.5	132391.6	7153.4	-1.9	93.7	SI
3 I	17- 2	-748.1	50509.6	-133320.1	-1.	54.4	SI
3 C	16- 1	-695.5	128868.2	3494.	-1.7	43.6	SI
3 S	16- 2	-736.2	197376.3	112721.3	-3.5	122.2	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	18- 1	-16568.4	-34617.2	813669.7	-8.7	87.	SI
1 C	18- 1	-16568.4	310538.8	796644.3	-11.2	190.3	SI
1 S	18- 1	-16568.4	655694.9	779618.9	-13.8	313.9	SI
2 I	18- 1	1463.4	-659525.4	-287412.3	-9.9	339.8	SI
2 C	18- 1	1463.4	-276319.5	-139659.8	-4.4	157.2	SI
2 S	18- 1	1463.4	106886.4	8092.8	-1.5	81.5	SI
3 I	18- 1	-752.7	42446.1	-102827.2	- .8	39.	SI
3 C	18- 1	-752.7	114074.3	5137.8	-1.5	36.8	SI
3 S	18- 1	-752.7	185702.6	113102.7	-3.3	117.	SI

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P034 (ID=71)
 Aste : 343; 395; 344
 Metodo di verifica : stati limite - NTC18 (q=1.5 ; muphi=2.6) ->
 Duttilita' : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capito 7 non attivi.
 Unita' di misura : cm; daN/cm; daNcm; daN/cm2; deform. %; 1/r â€°(permille)
 Unita' particolari : fessure [wk]:mm - ferri:mm e cm2 - sezioni:cm e derivate.
 Copriferrì (assi) : longitudinali= 3.5 ; staffe= 2.5
 Imperfezioni : M minimo = N * e0 ; M aggiunto = N * ei
 Instabilita' : snellezza limite [EC2 5.8.3.1]

MATERIALI

CLS : C32/40-N08; Rck=400; fck=332; fctk=21.69; fctm=30.99; Ecm=336428;
 gc=1.5; fcd=188.1; fbd=32.54; fctd=14.46; Ec2=0.2%; Ecu=0.35%
 ACCIAIO: B450C; ftk=5175; fyk=4500; Es=2100000; gs=1.15; fyd=3913;
 ftd=4500; fud=4439.8; Eyd=0.1863%; Eud=6.75%

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.

CLS : σ_c (rara)=199.2; σ_c (quasi permanente)=149.4; fbd(esercizio)=32.54
 ACCIAIO: σ_f (rara)=3600; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (statico)	2
3	SLU VENTOY	SLU (statico)	2
6	SLU con SISMAX PRINC	SLU (sismico)	16
7	SLU con SISMAX PRINC	SLU (sismico)	16
12	Rara	RARA	1
13	Rara VentoX	RARA	2
14	Rara VentoY	RARA	2
15	Frequente	FREQUENTE	1
16	Frequente VentoX	FREQUENTE	2
17	Frequente VentoY	FREQUENTE	2
18	Quasi Perm	QUASI PERMAN.	1

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SEZIONI UTILIZZATE

1) Generica: non_presente ; ingombro=150 X 140; Acls=8925; iy=44.11; iz=40.31

Ai fini della verifica dei 'Dettagli costruttivi per la duttilita' [7.4.6.2.2]
 non e' stata attivata l'opzione per assimilare le sezioni generiche a sezioni
 rettangolari equivalenti, tale verifica non verra' effettuata.

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2.	2.	.27	.27	80.	56.	0.	0.	83.85	.939	17φ16+5φ18+6φ28
2	1	2.	2.	.13	.13	340.	310.	0.	0.	83.85	.939	17φ16+5φ18+6φ28
3	1	2.	2.	.13	.13	340.	310.	0.	0.	65.75	.737	17φ16+5φ18+6φ20

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (incluse le imperfezioni):

Asta	Caso	NEd	MEyd	MEzd	E cls	σ_c	E acc	σ_f	VE

> 1	6- 5	-45996.	-1740771.	1.01	-10769604	1.	-.073	-112.2	.154	3226.2	SI
1	6-10	2580.	-1562894.	1.	8504425.	1.	-.068	-106.	.158	3328.4	SI
1	6-10	2580.	391180.	1.	7918548.	1.	-.073	-112.	.183	3852.4	SI
> 2	6-10	7065.	-74258.	1.12	7246606.	1.	-.065	-101.9	.164	3450.3	SI
2	6-10	7065.	464747.	1.	4633223.	1.	-.043	-72.8	.117	2462.1	SI
2	7- 7	6815.	2819476.	1.	935337.	1.01	-.028	-48.7	.083	1743.3	SI
> 3	7- 7	2101.	2936650.	1.	960419.	1.	-.031	-53.1	.083	1732.7	SI
3	7- 7	2101.	1418979.	1.	483525.	1.	-.015	-26.9	.041	868.1	SI
3	6- 7	-4267.	260458.	1.02	839615.	1.01	-.009	-15.8	.019	405.3	SI

SNELLEZZA LIMITE Y [EC2 5.8.3.1]:

Asta	Caso	NEd	MEyd inf	MEyd sup	l0	A	B	C	nu	L lim	Lambd	VE
1	7-10	-52055.3	-8273479	-5754387	80.	.7	1.18	1.	.031	94.19	1.81	SI
2	7-10	-5877.5	-8394316	-2425008	340.	.7	1.18	1.41	.004	393.8	7.71	SI
3	6- 5	-3189.4	626856.3	166742.5	340.	.7	1.14	1.43	.002	526.5	7.71	SI

SNELLEZZA LIMITE Z [EC2 5.8.3.1]:

Asta	Caso	NEd	MEzd inf	MEzd sup	l0	A	B	C	nu	L lim	Lambd	VE
1	7-16	-29400.	4057158.	4162908.	80.	.7	1.18	.725	.018	90.51	1.98	SI
2	6- 7	-6127.7	-9301068	-1727135	340.	.7	1.18	1.51	.004	413.9	8.43	SI
3	7-12	-2925.7	335677.6	307337.6	340.	.7	1.14	.784	.002	300.7	8.43	SI

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	6- 5	51064.7	63588.1	63588.1	143290.6	1.01	19.	2.5	SI
1 C	6- 5	51064.7	63588.1	63588.1	143290.6	1.01	19.	2.5	SI
1 S	6- 5	51064.7	63588.1	63588.1	143290.6	1.01	19.	2.5	SI
2 I	6- 7	23003.1	63588.1	63588.1	139979.	1.01	19.	2.5	SI
2 C	6- 7	23003.1	63588.1	63588.1	139979.	1.01	19.	2.5	SI
2 S	6- 7	23003.1	63588.1	63588.1	139979.	1.01	19.	2.5	SI
3 I	6- 7	9748.7	63588.1	63588.1	139824.5	1.01	19.	2.5	SI
3 C	6- 7	9748.7	63588.1	63588.1	139824.5	1.01	19.	2.5	SI
3 S	6- 7	9748.7	63588.1	63588.1	139824.5	1.01	19.	2.5	SI

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	3- 1	-66176.9	68246.6	68246.6	153111.4	1.01	19.	2.5	SI
1 C	3- 1	-66176.9	68246.6	68246.6	153111.4	1.01	19.	2.5	SI
1 S	3- 1	-66176.9	68246.6	68246.6	153111.4	1.01	19.	2.5	SI
2 I	7-10	-18063.7	68246.6	68246.6	150211.6	1.01	19.	2.5	SI
2 C	7-10	-18063.7	68246.6	68246.6	150211.6	1.01	19.	2.5	SI
2 S	7-10	-18063.7	68246.6	68246.6	150211.6	1.01	19.	2.5	SI
3 I	7- 7	8906.5	68246.6	68246.6	149687.6	1.01	19.	2.5	SI
3 C	7- 7	8906.5	68246.6	68246.6	149687.6	1.01	19.	2.5	SI
3 S	7- 7	8906.5	68246.6	68246.6	149687.6	1.01	19.	2.5	SI

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	14- 2	-30349.5	-4687460.5	-866936.	-47.9	1233.5	SI
1 C	14- 2	-30349.5	-2844039.5	-66046.	-25.2	601.5	SI
1 S	13- 2	-27848.	-733542.5	1172915.6	-8.7	7.9	SI
2 I	14- 2	256.4	-2787545.	-1322943.4	-36.2	981.4	SI
2 C	14- 2	256.4	-1337556.3	-564956.5	-16.7	467.2	SI
2 S	14- 1	873.2	306257.6	230146.5	-5.5	253.3	SI
3 I	14- 1	-616.2	244549.1	9308.1	-3.3	98.3	SI
3 C	14- 1	-616.2	167015.5	154994.2	-3.4	131.4	SI
3 S	13- 1	-863.8	103400.5	340084.7	-5.6	186.8	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	17- 2	-26882.9	-4109301.5	-674644.6	-41.2	1072.3	SI
1 C	17- 2	-26882.9	-2398220.6	44169.3	-20.5	489.1	SI
1 S	16- 2	-26382.6	-633724.5	850597.5	-6.9	3.3	SI
2 I	17- 2	430.9	-2296687.7	-1093188.8	-29.8	811.1	SI
2 C	17- 2	430.9	-1059580.4	-448586.7	-13.2	372.6	SI
2 S	17- 1	554.3	216292.	203438.6	-4.2	196.2	SI
3 I	17- 1	-985.1	156484.9	-4405.9	-1.9	46.4	SI
3 C	17- 1	-985.1	130692.4	131761.	-2.8	97.2	SI
3 S	16- 1	-1034.7	107683.6	275808.8	-4.7	154.4	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	18- 1	-25933.1	-3948891.2	-623308.2	-39.3	1027.7	SI
1 C	18- 1	-25933.1	-2277183.6	72028.7	-19.3	458.9	SI
1 S	18- 1	-25933.1	-605476.	767365.5	-6.4	2.2	SI
2 I	18- 1	468.6	-2165833.6	-1031234.4	-28.1	765.6	SI
2 C	18- 1	468.6	-986230.5	-417684.6	-12.3	347.5	SI
2 S	18- 1	468.6	193372.6	195865.1	-3.9	181.2	SI
3 I	18- 1	-1068.9	133595.6	-7692.8	-1.6	33.6	SI
3 C	18- 1	-1068.9	120884.6	125757.8	-2.6	88.4	SI
3 S	18- 1	-1068.9	108173.5	259208.3	-4.5	146.	SI

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P035 (ID=72)
Aste : 345; 396; 346
Metodo di verifica : stati limite - NTC18 (q=1.5 ; muphi=2.6) ->

Duttilita' : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capito 7 non attivi.
 Unita' di misura : cm; daN; daN/cm; daN/cm²; deform.%; 1/r â€°(permille)
 Unita' particolari : fessure [wk];mm - ferri:mm e cm² - sezioni:cm e derivate.
 Copriferr (assi) : longitudinali= 3.5 ; staffe= 2.5
 Imperfezioni : M minimo = N * e0 ; M aggiunto = N * ei
 Instabilita' : snellezza limite [EC2 5.8.3.1]

MATERIALI

CLS : C32/40-N08; Rck=400; fck=332; fctk=21.69; fctm=30.99; Ecm=336428;
 gc=1.5; fcd=188.1; fbd=32.54; fctd=14.46; Ec2=0.2%; Ecu=0.35%
 ACCIAIO: B450C; ftk=5175; fyk=4500; Es=2100000; gs=1.15; fyd=3913;
 ftd=4500; fud=4439.8; Eyd=0.1863%; Eud=6.75%

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.

CLS : σ (rara)=199.2; σ (quasi permanente)=149.4; fbd(esercizio)=32.54
 ACCIAIO: σ (rara)=3600; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (statico)	2
3	SLU VENTOY	SLU (statico)	2
6	SLU con SISMAX PRINC	SLU (sismico)	16
7	SLU con SISMAX PRINC	SLU (sismico)	16
12	Rara	RARA	1
13	Rara VentoX	RARA	2
14	Rara VentoY	RARA	2
15	Frequente	FREQUENTE	1
16	Frequente VentoX	FREQUENTE	2
17	Frequente VentoY	FREQUENTE	2
18	Quasi Perm	QUASI PERMAN.	1

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SEZIONI UTILIZZATE

1) Generica: non_presente ; ingombro=140 X 150; Acls=8925; iy=40.31; iz=44.11

Ai fini della verifica dei 'Dettagli costruttivi per la duttilita' [7.4.6.2.2]
 non e' stata attivata l'opzione per assimilare le sezioni generiche a sezioni
 rettangolari equivalenti, tale verifica non verra' effettuata.

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm
1	1	2	2	.27	.27	80.	56.	0.	0.	83.85	.939
2	1	2	2	1.13	1.13	340.	310.	0.	0.	83.85	.939
3	1	2	2	1.13	1.13	340.	310.	0.	0.	65.75	.737

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (incluse le imperfezioni):

Asta	Caso	NEd	MEyd	MEzd	E c/s	σ	E acc	σ f	VE
> 1	6-10	-46972.	-10685126	1.	-1993893.	1.01	-0.074	-113.5	.153
1	6-5	986.	8531466.	1.	-1816108.	1.	-0.066	-104.2	.152
1	6-5	986.	7985932.	1.	288361.	1.	-0.073	-111.9	.181
> 2	6-5	7120.	7362349.	1.	-268490.	1.03	-0.065	-102.	.163
2	6-5	7120.	4732398.	1.	373019.	1.	-0.044	-73.5	.118
2	7-2	6967.	1174003.	1.01	2838332.	1.	-0.029	-50.8	.089
> 3	7-2	2190.	1229311.	1.	2950546.	1.	-0.032	-55.6	.089
3	7-2	2190.	604481.	1.	1427477.	1.	-0.016	-28.1	.044
3	6-12	-4283.	840441.	1.01	262916.	1.02	-0.009	-15.8	.019

SNELLEZZA LIMITE Y [EC2 5.8.3.1]:

Asta	Caso	NEd	MEyd inf	MEyd sup	l0	A	B	C	nu	L lim	Lambd	VE
1	7-9	-30709.3	4179729.	4177235.	80.	.7	1.18	.701	.018	85.53	1.98	SI
2	6-12	-6051.	-9433191	-1773486	340.	.7	1.18	1.51	.004	415.9	8.43	SI
3	7-14	-2856.7	210221.5	287542.	340.	.7	1.14	.969	.002	375.9	8.43	SI

SNELLEZZA LIMITE Z [EC2 5.8.3.1]:

Asta	Caso	NEd	MEzd inf	MEzd sup	l0	A	B	C	nu	L lim	Lambd	VE
1	7-15	-53058.8	-8487594	-5868783	80.	.7	1.18	1.01	.032	93.67	1.81	SI
2	7-15	-5898.	-8566317	-2429018	340.	.7	1.18	1.42	.004	394.6	7.71	SI
3	2-2	-1304.4	189142.8	150903.5	340.	.7	1.14	.902	.001	518.	7.71	SI

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	3-2	70159.3	72038.1	72038.1	153480.2	1.01	18.	2.5	SI
1 C	3-2	70159.3	72038.1	72038.1	153480.2	1.01	18.	2.5	SI
1 S	3-2	70159.3	72038.1	72038.1	153480.2	1.01	18.	2.5	SI
2 I	7-13	18593.5	68246.6	68246.6	149970.2	1.01	19.	2.5	SI
2 C	7-13	18593.5	68246.6	68246.6	149970.2	1.01	19.	2.5	SI
2 S	7-13	18593.5	68246.6	68246.6	149970.2	1.01	19.	2.5	SI
3 I	7-2	-8942.	68246.6	68246.6	149687.6	1.01	19.	2.5	SI
3 C	7-2	-8942.	68246.6	68246.6	149687.6	1.01	19.	2.5	SI
3 S	7-2	-8942.	68246.6	68246.6	149687.6	1.01	19.	2.5	SI

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	6-10	-51118.5	67120.8	67120.8	143371.7	1.01	18.	2.5	SI

1 C	6-10	-51118.5	67120.8	67120.8	143371.7	1.01	18.	2.5	SI
1 S	6-10	-51118.5	67120.8	67120.8	143371.7	1.01	18.	2.5	SI
2 I	6-12	-23002.	63588.1	63588.1	139972.7	1.01	19.	2.5	SI
2 C	6-12	-23002.	63588.1	63588.1	139972.7	1.01	19.	2.5	SI
2 S	6-12	-23002.	63588.1	63588.1	139972.7	1.01	19.	2.5	SI
3 I	6-12	-9711.4	63588.1	63588.1	139825.8	1.01	19.	2.5	SI
3 C	6-12	-9711.4	63588.1	63588.1	139825.8	1.01	19.	2.5	SI
3 S	6-12	-9711.4	63588.1	63588.1	139825.8	1.01	19.	2.5	SI

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	13- 2	-31246.2	-1039497.5	-4700994.3	-49.7	1241.8	SI
1 C	13- 2	-31246.2	-211313.1	-2728024.4	-25.5	567.2	SI
1 S	13- 1	-29200.1	1258440.3	-838116.8	-9.3	14.4	SI
2 I	13- 2	426.8	-1503109.6	-2598499.9	-36.3	937.	SI
2 C	13- 2	426.8	-659626.7	-1190717.4	-16.4	429.5	SI
2 S	13- 1	855.5	312974.1	211224.5	-5.7	250.9	SI
3 I	13- 1	-691.1	100086.2	137936.6	-2.6	91.6	SI
3 C	13- 1	-691.1	197666.6	119119.5	-3.7	129.4	SI
3 S	13- 2	-890.3	341526.9	107636.8	-5.7	188.6	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	16- 2	-28071.2	-658281.6	-4362905.6	-43.2	1139.	SI
1 C	16- 2	-28071.2	66869.	-2537488.8	-21.6	519.7	SI
1 S	16- 1	-27662.	920333.3	-728684.4	-7.3	8.4	SI
2 I	16- 2	518.4	-1135323.3	-2392801.7	-31.	845.6	SI
2 C	16- 2	518.4	-461467.7	-1094212.6	-13.6	385.4	SI
2 S	16- 1	604.1	238211.5	203208.5	-4.6	207.7	SI
3 I	16- 1	-1001.4	31942.1	136514.3	-2.	53.4	SI
3 C	16- 1	-1001.4	150787.4	123019.	-3.	102.4	SI
3 S	16- 2	-1041.3	278888.7	110990.5	-4.8	157.1	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	18- 1	-27190.9	-560975.1	-4260817.	-41.4	1108.7	SI
1 C	18- 1	-27190.9	135672.	-2479148.	-20.5	505.8	SI
1 S	18- 1	-27190.9	832319.	-697479.1	-6.8	6.9	SI
2 I	18- 1	534.5	-1039455.8	-2332436.	-29.6	819.6	SI
2 C	18- 1	534.5	-410527.6	-1065863.3	-12.9	372.9	SI
2 S	18- 1	534.5	218400.6	200709.3	-4.3	196.	SI
3 I	18- 1	-1070.2	14766.8	135236.8	-1.8	43.9	SI
3 C	18- 1	-1070.2	138751.	123228.6	-2.8	95.5	SI
3 S	18- 1	-1070.2	262735.3	111220.4	-4.5	148.9	SI

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P036 (ID=73)
Aste : 347; 397; 348
Metodo di verifica : stati limite - NTC18 (q=1.5 ; μ_{phi} =2.6) ->
Duttilita' : non prevista (struttura non dissipativa).
: dettagli costruttivi del capito 7 non attivi.
Unita' di misura : cm; daN; daN/cm; daNcm; daN/cm²; deform. %; 1/r ‰ (permille)
Unita' particolari : fessure [Wk];mm - ferri:mm e cm² - sezioni:cm e derivate.
Copriferr (assi) : longitudinali= 3.5 ; staffe= 2.5
Imperfezioni : M minimo = N * e₀ ; M aggiunto = N * e_i
Instabilita' : snellezza limite [EC2 5.8.3.1]

MATERIALI

CLS : C32/40-N08; Rck=400; fck=332; fctk=21.69; fctm=30.99; Ecm=336428;
gc=1.5; fcd=188.1; fbd=32.54; fctd=14.46; Ec2=0.2%; Ecu=0.35%
ACCIAIO: B450C; ftk=5175; fyk=4500; Es=2100000; gs=1.15; fyd=3913;
ftd=4500; fud=4439.8; Eyd=0.1863%; Eud=6.75%

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.

CLS : σ_c (rara)=199.2; σ_c (quasi permanente)=149.4; fbd(esercizio)=32.54
ACCIAIO: σ_f (rara)=3600; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (statico)	2
3	SLU VENTOY	SLU (statico)	2
6	SLU con SISMAL PRINC	SLU (sismico)	16
7	SLU con SISMAY PRINC	SLU (sismico)	16
12	Rara	RARA	1
13	Rara VentoX	RARA	2
14	Rara VentoY	RARA	2
15	Frequente	FREQUENTE	1
16	Frequente VentoX	FREQUENTE	2
17	Frequente VentoY	FREQUENTE	2
18	Quasi Perm	QUASI PERMAN.	1

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SEZIONI UTILIZZATE

1) Generica: non_presente ; ingombro=150 X 150; Acl_s=9275; i_y=43.79; i_z=43.79

Ai fini della verifica dei 'Dettagli costruttivi per la duttilita' [7.4.6.2.2] non e' stata attivata l'opzione per assimilare le sezioni generiche a sezioni rettangolari equivalenti, tale verifica non verra' effettuata.

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2.	2.	.27	.27	80.	56.	0.	0.	74.05	.798	17φ16+5φ18+6φ24
2	1	2.	2.	1.13	1.13	340.	310.	0.	0.	74.05	.798	17φ16+5φ18+6φ24
3	1	2.	2.	1.13	1.13	340.	310.	0.	0.	65.75	.709	17φ16+5φ18+6φ20

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (incluse le imperfezioni):

Asta	Caso	NEd	MEyd	MEzd	E c _l s	σ _c	E acc	σ _f	VE		
> 1	7-15	-34850.	-8733691.	1.	5854325.	1.	-.033	-56.6	.131	2745.1	SI
1	7- 4	3559.	8538667.	1.	-1408941.	1.	-.063	-100.4	.149	3125.1	SI
1	6-13	799.	3629890.	1.	5573119.	1.	-.063	-100.2	.185	3875.6	SI
> 2	7-13	-6211.	-9905098.	1.	-551621.	1.01	-.061	-96.6	.18	3787.	SI
2	6-13	7437.	2318152.	1.	3589771.	1.	-.041	-68.6	.125	2632.7	SI
2	6-13	7437.	1483559.	1.01	2348965.	1.	-.026	-46.3	.084	1763.	SI
> 3	7-13	-4444.	-3899884.	1.	-544901.	1.01	-.029	-50.3	.088	1857.5	SI
3	6-13	2660.	744789.	1.	1187475.	1.	-.014	-24.7	.041	870.7	SI
3	7-13	-4444.	549693.	1.01	348937.	1.01	-.006	-10.8	.013	282.8	SI

SNELLEZZA LIMITE Y [EC2 5.8.3.1]:

Asta	Caso	NEd	MEyd inf	MEyd sup	l ₀	A	B	C	nu	L lim	Lambd	VE
1	7-13	-43107.9	-7756200	-7670565	80.	.7	1.15	.711	.025	73.1	1.83	SI
2	7-13	-6211.2	-9898058	-3442728	340.	.7	1.15	1.35	.004	366.2	7.76	SI
3	7-13	-4443.5	-3894848	544656.6	340.	.7	1.14	1.84	.003	580.8	7.76	SI

SNELLEZZA LIMITE Z [EC2 5.8.3.1]:

Asta	Caso	NEd	MEzd inf	MEzd sup	l ₀	A	B	C	nu	L lim	Lambd	VE
1	7-16	-34158.4	5394184.	5073352.	80.	.7	1.15	.759	.02	87.71	1.83	SI
2	6- 4	-5802.	-6219329	-2084792	340.	.7	1.15	1.37	.003	382.4	7.76	SI
3	7-11	-1970.	249121.6	235488.6	340.	.7	1.14	.755	.001	357.9	7.76	SI

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	6-13	36287.3	68246.6	68246.6	149687.6	1.01	19.	2.5	SI
1 C	6-13	36287.3	68246.6	68246.6	149687.6	1.01	19.	2.5	SI
1 S	6-13	36287.3	68246.6	68246.6	149687.6	1.01	19.	2.5	SI
2 I	6- 5	17793.9	68246.6	68246.6	149822.	1.01	19.	2.5	SI
2 C	6- 5	17793.9	68246.6	68246.6	149822.	1.01	19.	2.5	SI
2 S	6- 5	17793.9	68246.6	68246.6	149822.	1.01	19.	2.5	SI
3 I	6- 7	11144.9	68246.6	68246.6	149980.1	1.01	19.	2.5	SI
3 C	6- 7	11144.9	68246.6	68246.6	149980.1	1.01	19.	2.5	SI
3 S	6- 7	11144.9	68246.6	68246.6	149980.1	1.01	19.	2.5	SI

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	6-15	-23470.6	68246.6	68246.6	150458.3	1.01	19.	2.5	SI
1 C	6-15	-23470.6	68246.6	68246.6	150458.3	1.01	19.	2.5	SI
1 S	6-15	-23470.6	68246.6	68246.6	150458.3	1.01	19.	2.5	SI
2 I	7-15	-19864.1	68246.6	68246.6	149988.8	1.01	19.	2.5	SI
2 C	7-15	-19864.1	68246.6	68246.6	149988.8	1.01	19.	2.5	SI
2 S	7-15	-19864.1	68246.6	68246.6	149988.8	1.01	19.	2.5	SI
3 I	7-13	-13031.2	68246.6	68246.6	150068.8	1.01	19.	2.5	SI
3 C	7-13	-13031.2	68246.6	68246.6	150068.8	1.01	19.	2.5	SI
3 S	7-13	-13031.2	68246.6	68246.6	150068.8	1.01	19.	2.5	SI

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σ _c	σ _f	VE
1 I	13- 2	-21103.9	241011.	415943.5	-5.3	20.1	SI
1 C	13- 2	-21103.9	429913.6	791834.7	-10.2	140.9	SI
1 S	13- 2	-21103.9	618816.2	1167725.9	-16.3	343.3	SI
2 I	13- 1	725.9	-677427.4	-1099748.5	-16.8	490.9	SI
2 C	13- 1	725.9	-385543.	-531222.8	-8.7	246.5	SI
2 S	13- 2	1106.4	-82620.	240744.	-2.3	89.2	SI
3 I	13- 1	-650.6	-112906.5	-177522.8	-3.1	87.3	SI
3 C	13- 2	-480.	-27726.8	163178.6	-1.9	49.9	SI
3 S	13- 1	-650.6	45160.	303817.7	-4.3	137.6	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σ _c	σ _f	VE
1 I	16- 2	-20088.5	239865.9	279305.5	-4.2	8.3	SI
1 C	16- 2	-20088.5	417697.7	584383.9	-7.8	87.9	SI
1 S	16- 2	-20088.5	595529.5	889462.3	-12.8	244.3	SI
2 I	16- 1	805.4	-645045.4	-754980.2	-13.3	355.2	SI
2 C	16- 1	805.4	-357158.9	-322358.6	-6.5	174.8	SI
2 S	16- 2	881.5	-67064.7	150951.3	-1.3	52.6	SI
3 I	16- 1	-752.4	-84165.4	-71604.	-1.6	36.5	SI
3 C	16- 2	-718.3	-14386.	110160.2	-1.2	27.8	SI
3 S	16- 1	-752.4	52934.8	251911.8	-3.6	116.	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	18- 1	-19774.5	239723.5	246178.2	-4.	6.	SI
1 C	18- 1	-19774.5	414143.3	531837.6	-7.2	76.4	SI
1 S	18- 1	-19774.5	588563.	817497.	-11.9	220.	SI
2 I	18- 1	817.4	-634471.5	-665259.	-12.3	319.7	SI
2 C	18- 1	817.4	-348603.2	-268693.4	-5.9	167.3	SI
2 S	18- 1	817.4	-62734.9	127872.2	-1.1	43.2	SI
3 I	18- 1	-771.3	-77096.9	-44857.9	-1.2	29.8	SI
3 C	18- 1	-771.3	-11275.5	96772.1	-1.1	22.3	SI
3 S	18- 1	-771.3	54545.9	238402.1	-3.5	110.4	SI

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P037 (ID=74)
Aste : 354; 398; 355
Metodo di verifica : stati limite - NTC18 (q=1.5 ; μ_{phi} =2.6) ->
Duttilita' : non prevista (struttura non dissipativa).
: dettagli costruttivi del capito 7 non attivi.
Unita' di misura : cm; daN/cm; daNcm; daN/cm2; deform. %; 1/r $\hat{=}$ (permille)
Unita' particolari : fessure [wk]:mm - ferri:mm e cm2 - sezioni:cm e derivate.
Copriferrì (assi) : longitudinali= 3.5 ; staffe= 2.5
Imperfezioni : M minimo = N * e0 ; M aggiunto = N * ei
Instabilita' : snellezza limite [EC2 5.8.3.1]

MATERIALI

CLS : C32/40-N08; Rck=400; fck=332; fctk=21.69; fctm=30.99; Ecm=336428;
gc=1.5; fcd=188.1; fbd=32.54; fctd=14.46; Ec2=0.2%; Ecu=0.35%
ACCIAIO: B450C; ftk=5175; fyk=4500; Es=2100000; gs=1.15; fyd=3913;
ftd=4500; fud=4439.8; Eyd=0.1863%; Eud=6.75%

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.

CLS : σ_c (rara)=199.2; σ_c (quasi permanente)=149.4; fbd(esercizio)=32.54
ACCIAIO: σ_f (rara)=3600; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (statico)	2
3	SLU VENTOY	SLU (statico)	2
6	SLU con SISMAX PRINC	SLU (sismico)	16
7	SLU con SISMAY PRINC	SLU (sismico)	16
12	Rara	RARA	1
13	Rara Ventox	RARA	2
14	Rara VentoY	RARA	2
15	Frequente	FREQUENTE	1
16	Frequente VentoX	FREQUENTE	2
17	Frequente VentoY	FREQUENTE	2
18	Quasi Perm	QUASI PERMAN.	1

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SEZIONI UTILIZZATE

1) Generica: non_presente ; ingombro=150 X 150; Acls=9275; iy=43.79; iz=43.79

Ai fini dela verifica dei 'Dettagli costruttivi per la duttilita' [7.4.6.2.2]
non e' stata attivata l'opzione per assimilare le sezioni generiche a sezioni
rettangolari equivalenti, tale verifica non verra' effettuata.

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	iez	eyi	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm
1	1 2.	2.	1.	.27	.27	80.	56.	0.	0.	78.76	.849
2	1 2.	2.	1.	1.13	1.13	340.	310.	0.	0.	78.76	.849
3	1 2.	2.	1.	1.13	1.13	340.	310.	0.	0.	65.75	.709

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (incluse le imperfezioni):

Asta	Caso	NEd	MEyd	MEzd	E c s	σ_c	E acc	σ_f	VE
> 1	7- 5	-34753.	-9544282.	1.	6352335.	1.	-.034	-58.2	.13
1	7-10	2263.	8230693.	1.	-1349666.	1.	-.06	-95.9	.142
1	6- 7	-1.	3145382.	1.	6175089.	1.	-.065	-102.3	.185
> 2	6- 7	8417.	2391564.	1.	5379414.	1.	-.055	-89.6	.163
2	6- 7	8417.	1886956.	1.	3879432.	1.	-.04	-68.4	.123
2	7-10	8693.	3431003.	1.	592115.	1.02	-.031	-53.7	.089
> 3	7-10	1910.	3751242.	1.	519548.	1.	-.034	-59.1	.088
3	7-10	1910.	1693140.	1.	363157.	1.	-.016	-29.	.043
3	7- 7	-4813.	630465.	1.01	375581.	1.01	-.007	-12.1	.015

SNELLEZZA LIMITE Y [EC2 5.8.3.1]:

Asta	Caso	NEd	MEyd inf	MEyd sup	l0	A	B	C	nu	L lim	Lambd	VE
1	7- 7	-42961.6	-8651797	-7355355	80.	.7	1.16	.85	.025	88.21	1.83	SI
2	7- 7	-5092.4	-9819489	-2957522	340.	.7	1.16	1.4	.003	421.7	7.76	SI
3	6-13	-4106.6	210997.1	203640.6	340.	.7	1.14	.735	.002	241.3	7.76	SI

SNELLEZZA LIMITE Z [EC2 5.8.3.1]:

Asta	Caso	NEd	MEzd inf	MEzd sup	l0	A	B	C	nu	L lim	Lambd	VE
1	7- 5	-34752.7	6343068.	5899771.	80.	.7	1.16	.77	.02	88.85	1.83	SI
2	7- 7	-5092.4	-503091.	-283845.	340.	.7	1.16	1.14	.003	342.4	7.76	SI
3	7- 1	-2538.5	273989.1	265361.8	340.	.7	1.14	.731	.001	305.5	7.76	SI

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	6- 7	36422.1	68246.6	68246.6	149687.8	1.01	19.	2.5	SI
1 C	6- 7	36422.1	68246.6	68246.6	149687.8	1.01	19.	2.5	SI
1 S	6- 7	36422.1	68246.6	68246.6	149687.8	1.01	19.	2.5	SI
2 I	6-15	19257.4	68246.6	68246.6	149751.1	1.01	19.	2.5	SI
2 C	6-15	19257.4	68246.6	68246.6	149751.1	1.01	19.	2.5	SI
2 S	6-15	19257.4	68246.6	68246.6	149751.1	1.01	19.	2.5	SI
3 I	6-13	11686.3	68246.6	68246.6	150039.9	1.01	19.	2.5	SI
3 C	6-13	11686.3	68246.6	68246.6	150039.9	1.01	19.	2.5	SI
3 S	6-13	11686.3	68246.6	68246.6	150039.9	1.01	19.	2.5	SI

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	7- 2	-25855.4	68246.6	68246.6	152141.4	1.01	19.	2.5	SI
1 C	7- 2	-25855.4	68246.6	68246.6	152141.4	1.01	19.	2.5	SI
1 S	7- 2	-25855.4	68246.6	68246.6	152141.4	1.01	19.	2.5	SI
2 I	7- 5	-21362.2	68246.6	68246.6	149888.8	1.01	19.	2.5	SI
2 C	7- 5	-21362.2	68246.6	68246.6	149888.8	1.01	19.	2.5	SI
2 S	7- 5	-21362.2	68246.6	68246.6	149888.8	1.01	19.	2.5	SI
3 I	7- 5	-12197.9	68246.6	68246.6	149979.8	1.01	19.	2.5	SI
3 C	7- 5	-12197.9	68246.6	68246.6	149979.8	1.01	19.	2.5	SI
3 S	7- 5	-12197.9	68246.6	68246.6	149979.8	1.01	19.	2.5	SI

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	14- 1	-23910.9	-1138402.1	592325.9	-6.7	131.5	SI
1 C	13- 1	-22011.5	58728.2	918682.9	-8.6	67.4	SI
1 S	14- 2	-21482.4	1332954.9	773342.5	-19.1	455.2	SI
2 I	14- 1	1798.7	-1585633.7	-494838.2	-18.2	610.8	SI
2 C	14- 1	1798.7	-734369.3	-132451.6	-7.4	288.1	SI
2 S	14- 2	2097.2	405125.5	148969.2	-6.2	280.4	SI
3 I	14- 2	-1495.3	321471.	-14608.8	-3.9	103.5	SI
3 C	13- 1	-1188.8	132991.5	228676.4	-3.9	130.3	SI
3 S	13- 2	-1405.8	125281.3	346779.2	-5.3	173.7	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	17- 1	-21124.6	-577115.5	325582.2	-3.7	15.5	SI
1 C	16- 1	-20744.7	103471.9	671233.2	-6.6	35.9	SI
1 S	16- 1	-20744.7	667536.5	1042116.9	-14.8	312.5	SI
2 I	17- 1	1805.1	-1006186.2	-604860.	-14.3	415.1	SI
2 C	17- 1	1805.1	-398586.1	-219234.8	-5.4	175.7	SI
2 S	17- 2	1864.8	266660.1	150197.3	-4.4	217.	SI
3 I	17- 2	-1468.2	161701.9	9881.	-2.	45.	SI
3 C	16- 1	-1406.9	126176.3	165575.7	-2.9	95.8	SI
3 S	16- 2	-1450.3	126804.6	296233.8	-4.7	151.5	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	18- 1	-20349.3	-434606.2	260777.4	-3.1	1.4	SI
1 C	18- 1	-20349.3	114788.4	608535.1	-6.1	29.7	SI
1 S	18- 1	-20349.3	664183.	956292.9	-13.8	284.9	SI
2 I	18- 1	1800.4	-858812.2	-628457.4	-13.2	365.1	SI
2 C	18- 1	1800.4	-313499.1	-239624.3	-4.9	147.	SI
2 S	18- 1	1800.4	231814.1	149208.9	-4.	200.4	SI
3 I	18- 1	-1451.3	120927.8	15990.	-1.5	30.6	SI
3 C	18- 1	-1451.3	123781.1	149422.	-2.7	87.	SI
3 S	18- 1	-1451.3	126634.5	282854.	-4.5	145.6	SI

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P038 (ID=75)
 Aste : 360; 399; 361
 Metodo di verifica : stati limite - NTC18 (q=1.5 ; μ_{phi} =2.6) ->
 Duttilita' : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capito 7 non attivi.
 Unita' di misura : cm; daN; daN/cm; daN/cm²; deform.%; 1/r $\hat{=}$ (permille)
 Unita' particolari : fessure [wk]:mm - ferri:mm e cm² - sezioni:cm e derivate.
 Copriferri (assi) : longitudinale= 3.5 ; staffe= 2.5
 Imperfezioni : M minimo = N * e₀ ; M aggiunto = N * e_i
 Instabilita' : snellezza limite [EC2 5.8.3.1]

MATERIALI

CLS : C32/40-N08; Rck=400; fck=332; fctk=21.69; fctm=30.99; Ecm=336428;
 gc=1.5; fcd=188.1; fbd=32.54; fctd=14.46; Ec2=0.2%; Ecu=0.35%
 ACCIAIO: B450C; ftk=5175; fyk=4500; Es=2100000; gs=1.15; fyd=3913;
 ftd=4500; fud=4439.8; Eyd=0.1863%; Eud=6.75%

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.

CLS : σ_c (rara)=199.2; σ_c (quasi permanente)=149.4; fbd(esercizio)=32.54ACCIAIO: σ_f (rara)=3600; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (statico)	2
3	SLU VENTOY	SLU (statico)	2
6	SLU con SISMAL PRINC	SLU (sismico)	16
7	SLU con SISMAL PRINC	SLU (sismico)	16
12	Rara	RARA	1
13	Rara VentoX	RARA	2
14	Rara VentoY	RARA	2
15	Frequente	FREQUENTE	1
16	Frequente VentoX	FREQUENTE	2
17	Frequente VentoY	FREQUENTE	2
18	Quasi Perm	QUASI PERMAN.	1

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SEZIONI UTILIZZATE

1) Generica: non_presente ; ingombro=160 X 135; Acls=9100; iy=36.77; iz=38.23

Ai fini della verifica dei 'Dettagli costruttivi per la duttilita' [7.4.6.2.2]
non e' stata attivata l'opzione per assimilare le sezioni generiche a sezioni
rettangolari equivalenti, tale verifica non verra' effettuata.

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2	2	.27	.27	80.	56.	0.	0.	90.67	.996	14φ16+3φ20+10φ26
2	1	2	2	1.13	1.13	340.	310.	0.	0.	75.59	.831	14φ16+3φ20+10φ22
3	1	2	2	1.13	1.13	340.	310.	0.	0.	68.99	.758	14φ16+13φ20

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (incluse le imperfezioni):

Asta	Caso	NEd	MEyd		MEzd		E cls	σ_c	E acc	σ_f	VE
> 1	6-15	-28628.	13477502.	1.	-630710.	1.01	-.072	-111.6	.159	3336.4	SI
1	6-13	-32768.	10571461.	1.	-530760.	1.	-.056	-91.1	.119	2501.6	SI
1	7-12	-23419.	3315433.	1.	4146609.	1.	-.031	-53.1	.093	1950.6	SI
> 2	6- 2	-15325.	-7970631.	1.	-2160495.	1.01	-.051	-84.	.14	2936.6	SI
2	6- 2	-15325.	-4732070.	1.	-1347489.	1.	-.03	-52.2	.079	1657.6	SI
2	7-12	-6303.	584129.	1.01	2503285.	1.	-.013	-23.	.06	1268.9	SI
> 3	7-12	-3247.	815791.	1.	2371113.	1.	-.013	-24.5	.06	1266.6	SI
3	7-12	-3247.	270853.	1.	1254000.	1.	-.006	-11.6	.03	636.3	SI
3	6-13	-7335.	-611199.	1.01	327145.	1.03	-.004	-7.3	.004	87.2	SI

SNELLEZZA LIMITE Y [EC2 5.8.3.1]:

Asta	Caso	NEd	MEyd inf	MEyd sup	l0	A	B	C	nu	L lim	Lambd	VE
1	7- 7	-39947.5	1386063.	1033792.	80.	.7	1.19	.954	.023	104.	2.18	SI
2	3- 1	-22596.9	-125514.	-103809.	340.	.7	1.16	.873	.013	123.4	9.25	SI
3	3- 1	-11890.8	-89761.1	-89727.6	340.	.7	1.15	.7	.007	134.9	9.25	SI

SNELLEZZA LIMITE Z [EC2 5.8.3.1]:

Asta	Caso	NEd	MEzd inf	MEzd sup	l0	A	B	C	nu	L lim	Lambd	VE
1	6- 2	-34808.5	-1190101	-1130668	80.	.7	1.19	.75	.02	87.57	2.09	SI
2	7-13	-8326.4	1915179.	1806888.	340.	.7	1.16	.757	.005	176.2	8.89	SI
3	6- 4	-6128.3	317390.7	281239.8	340.	.7	1.15	.814	.004	218.4	8.89	SI

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	7-12	54783.	61258.9	61258.9	136199.2	1.01	19.	2.5	SI
1 C	7-12	54783.	61258.9	61258.9	136199.2	1.01	19.	2.5	SI
1 S	7-12	54783.	61258.9	61258.9	136199.2	1.01	19.	2.5	SI
2 I	7- 5	8068.1	61258.9	61258.9	135914.1	1.01	19.	2.5	SI
2 C	7- 5	8068.1	61258.9	61258.9	135914.1	1.01	19.	2.5	SI
2 S	7- 5	8068.1	61258.9	61258.9	135914.1	1.01	19.	2.5	SI
3 I	7- 5	8363.7	61258.9	61258.9	135163.1	1.01	19.	2.5	SI
3 C	7- 5	8363.7	61258.9	61258.9	135163.1	1.01	19.	2.5	SI
3 S	7- 5	8363.7	61258.9	61258.9	135163.1	1.01	19.	2.5	SI

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	6-15	68158.5	72905.1	72905.1	162579.2	1.01	19.	2.5	SI
1 C	6-15	68158.5	72905.1	72905.1	162579.2	1.01	19.	2.5	SI
1 S	6-15	68158.5	72905.1	72905.1	162579.2	1.01	19.	2.5	SI
2 I	6-15	20066.9	72905.1	72905.1	160910.6	1.01	19.	2.5	SI
2 C	6-15	20066.9	72905.1	72905.1	160910.6	1.01	19.	2.5	SI
2 S	6-15	20066.9	72905.1	72905.1	160910.6	1.01	19.	2.5	SI
3 I	6-13	7985.3	72905.1	72905.1	160590.4	1.01	19.	2.5	SI
3 C	6-13	7985.3	72905.1	72905.1	160590.4	1.01	19.	2.5	SI
3 S	6-13	7985.3	72905.1	72905.1	160590.4	1.01	19.	2.5	SI

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	13- 2	-36546.3	1198201.2	-1001743.1	-12.6	153.1	SI
1 C	13- 2	-36546.3	811919.2	-312066.6	-7.6	22.8	SI
1 S	13- 2	-36546.3	425637.2	377609.8	-6.6	-16.9	SI

2 I	14- 1	-15874.6	-79546.5	-953469.8	-8.1	46.2	SI
2 C	14- 1	-15874.6	-75593.9	-371087.1	-3.9	-3.1	SI
2 S	14- 2	-15173.3	-41181.3	384953.9	-2.9	20.9	SI
3 I	14- 1	-8356.5	-61621.8	-105463.6	-1.5	-3.5	SI
3 C	14- 2	-8029.2	-46243.9	220493.	-1.8	16.5	SI
3 S	13- 2	-8197.1	-97773.4	364773.	-3.	78.7	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	16- 2	-32800.7	648522.8	-928415.1	-10.	56.2	SI
1 C	17- 1	-32902.	259501.6	-323271.2	-5.5	-15.8	SI
1 S	16- 2	-32800.7	143412.6	337776.6	-4.8	-18.4	SI
2 I	16- 2	-13579.7	149321.9	-658840.9	-5.9	35.4	SI
2 C	17- 1	-13648.1	-2299.2	-228710.2	-2.7	-11.	SI
2 S	16- 1	-13576.3	-56445.2	266734.3	-2.4	4.5	SI
3 I	16- 1	-7037.3	-41651.7	-9103.9	-9.	-6.9	SI
3 C	17- 2	-7005.4	-36151.7	161078.9	-1.4	6.3	SI
3 S	16- 2	-7039.	-52640.6	313612.6	-2.4	67.3	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	18- 1	-31718.4	509192.5	-906588.6	-9.4	36.1	SI
1 C	18- 1	-31718.4	290984.1	-290447.5	-5.2	-13.2	SI
1 S	18- 1	-31718.4	72775.7	325693.6	-4.3	-18.7	SI
2 I	18- 1	-13044.5	76460.7	-642436.7	-5.5	20.	SI
2 C	18- 1	-13044.5	16091.8	-192218.2	-2.5	-10.4	SI
2 S	18- 1	-13044.5	-44277.1	258000.3	-2.3	4.4	SI
3 I	18- 1	-6731.9	-25757.9	-8307.3	-8.	-7.7	SI
3 C	18- 1	-6731.9	-33565.4	145864.1	-1.3	4.4	SI
3 S	18- 1	-6731.9	-41372.9	300035.4	-2.3	64.3	SI

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P039 (ID=76)
 Aste : 362; 400; 363
 Metodo di verifica : stati limite - NTC18 ($q=1.5$; $\mu_{phi}=2.6$) ->
 Duttilita' : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capito 7 non attivi.
 Unità di misura : cm; daN; daN/cm; daNcm; daN/cm²; deform. %; 1/r â€°(permille)
 Unità particolari : fessure [wk]:mm - ferri:mm e cm² - sezioni:cm e derivate.
 Copriferrì (assi) : longitudinali= 3.5 ; staffe= 2.5
 Imperfezioni : M minimo = N * e₀ ; M aggiunto = N * e_i
 Instabilità : snellezza limite [EC2 5.8.3.1]

MATERIALI

CLS : C32/40-N08; R_{ck}=400; f_{ck}=332; f_{ctk}=21.69; f_{ctm}=30.99; E_{cm}=336428;
 gc=1.5; f_{cd}=188.1; f_{bd}=32.54; f_{ctd}=14.46; E_{c2}=0.2%; E_{cu}=0.35%
 ACCIAIO: B450C; f_{tk}=5175; f_{yk}=4500; E_s=2100000; g_s=1.15; f_{yd}=3913;
 f_{td}=4500; f_{ud}=4439.8; E_y=0.1863%; E_{ud}=6.75%

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.

CLS : σ_c (rara)=199.2; σ_c (quasi permanente)=149.4; f_{bd}(esercizio)=32.54
 ACCIAIO: σ_f (rara)=3600; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (statico)	2
3	SLU VENTOY	SLU (statico)	2
6	SLU con SISMAX PRINC	SLU (sismico)	16
7	SLU con SISMAX PRINC	SLU (sismico)	16
12	Rara	RARA	1
13	Rara VentoX	RARA	2
14	Rara VentoY	RARA	2
15	Frequente	FREQUENTE	1
16	Frequente VentoX	FREQUENTE	2
17	Frequente VentoY	FREQUENTE	2
18	Quasi Perm	QUASI PERMAN.	1

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SEZIONI UTILIZZATE

1) Generica: non_presente ; ingombro=160 X 135; A_{cl}=9100; i_y=36.77; i_z=38.23

Ai fini della verifica dei 'Dettagli costruttivi per la duttilità' [7.4.6.2.2]
 non è stata attivata l'opzione per assimilare le sezioni generiche a sezioni
 rettangolari equivalenti, tale verifica non verrà effettuata.

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e _{0z}	e _{0y}	e _{iz}	e _{iy}	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm
1	1	2.	2.	.27	.27	80.	56.	0.	0.	88.88	.977
2	1	2.	2.	1.13	1.13	340.	310.	0.	0.	67.2	.738
3	1	2.	2.	1.13	1.13	340.	310.	0.	0.	67.2	.738

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (incluse le imperfezioni):

Asta	Caso	NEd	MEyd	MEzd	E cl s	σc	E acc	σf	VE
> 1	6- 2	-33715.	-14658474	1.	-1451402.	1.01	-0.08	-120.1	.177 3721.5 SI
1	6- 2	-33715.	-11562752	1.	-985045.	1.	-0.062	-98.8	.135 2824.6 SI
1	6- 2	-33715.	-8497021.	1.	-537584.	1.02	-0.045	-75.3	.093 1944.1 SI
> 2	6- 2	-13872.	-8532902.	1.	-1575040.	1.01	-0.06	-96.3	.167 3504.7 SI
2	6- 2	-13872.	-4931944.	1.	-885406.	1.	-0.034	-58.7	.091 1909.4 SI
2	7-13	-5707.	-823720.	1.01	2285932.	1.	-0.014	-25.4	.063 1331.6 SI
> 3	7-13	-2880.	-950397.	1.	2170140.	1.	-0.014	-25.8	.063 1323.3 SI
3	7-13	-2880.	-396887.	1.	1143184.	1.	-0.007	-12.7	.032 664.3 SI
3	6-15	-4695.	-632113.	1.01	229366.	1.02	-0.004	-7.3	.006 129.4 SI

SNELLEZZA LIMITE Y [EC2 5.8.3.1]:

Asta	Caso	NEd	MEyd inf	MEyd sup	l0	A	B	C	nu	L lim	Lambd	VE
1	7- 4	-38521.	2488602.	2468287.	80.	.7	1.19	.708	.023	78.38	2.18	SI
2	7- 8	-16988.1	431897.4	297472.5	340.	.7	1.14	1.01	.01	162.5	9.25	SI
3	7- 1	-9132.5	-29649.6	-42364.	340.	.7	1.14	1.	.005	219.2	9.25	SI

SNELLEZZA LIMITE Z [EC2 5.8.3.1]:

Asta	Caso	NEd	MEzd inf	MEzd sup	l0	A	B	C	nu	L lim	Lambd	VE
1	7- 5	-38021.4	-1836659	-2708969	80.	.7	1.19	1.02	.022	113.9	2.09	SI
2	7- 2	-17807.3	-4214422	-1723166	340.	.7	1.14	1.29	.01	202.6	8.89	SI
3	3- 2	-10196.7	153122.1	449232.8	340.	.7	1.14	1.36	.006	281.9	8.89	SI

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	7-13	54128.8	68465.8	68465.8	136236.4	1.01	17.	2.5	SI
1 C	7-13	54128.8	68465.8	68465.8	136236.4	1.01	17.	2.5	SI
1 S	7-13	54128.8	68465.8	68465.8	136236.4	1.01	17.	2.5	SI
2 I	7- 4	7889.6	61258.9	61258.9	135724.6	1.01	19.	2.5	SI
2 C	7- 4	7889.6	61258.9	61258.9	135724.6	1.01	19.	2.5	SI
2 S	7- 4	7889.6	61258.9	61258.9	135724.6	1.01	19.	2.5	SI
3 I	7- 4	7310.3	61258.9	61258.9	135062.5	1.01	19.	2.5	SI
3 C	7- 4	7310.3	61258.9	61258.9	135062.5	1.01	19.	2.5	SI
3 S	7- 4	7310.3	61258.9	61258.9	135062.5	1.01	19.	2.5	SI

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	6- 2	-77426.3	81482.1	81482.1	163054.3	1.01	17.	2.5	SI
1 C	6- 2	-77426.3	81482.1	81482.1	163054.3	1.01	17.	2.5	SI
1 S	6- 2	-77426.3	81482.1	81482.1	163054.3	1.01	17.	2.5	SI
2 I	6- 2	-20690.9	72905.1	72905.1	161200.9	1.01	19.	2.5	SI
2 C	6- 2	-20690.9	72905.1	72905.1	161200.9	1.01	19.	2.5	SI
2 S	6- 2	-20690.9	72905.1	72905.1	161200.9	1.01	19.	2.5	SI
3 I	6-13	8457.9	72905.1	72905.1	160513.7	1.01	19.	2.5	SI
3 C	6-13	8457.9	72905.1	72905.1	160513.7	1.01	19.	2.5	SI
3 S	6-13	8457.9	72905.1	72905.1	160513.7	1.01	19.	2.5	SI

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	13- 1	-36147.7	-3035057.7	-1497209.2	-26.4	670.8	SI
1 C	13- 1	-36147.7	-2068398.4	-601418.3	-17.6	298.4	SI
1 S	13- 1	-36147.7	-1101739.1	294372.7	-9.9	30.1	SI
2 I	14- 1	-14094.7	-705952.4	-992801.6	-12.5	298.7	SI
2 C	13- 1	-13900.2	-464561.8	-266828.4	-4.8	63.1	SI
2 S	14- 2	-13633.	28140.	373188.	-2.8	28.6	SI
3 I	13- 2	-7265.6	192220.5	46237.5	-1.9	4.7	SI
3 C	14- 2	-7170.7	8343.5	210515.2	-1.5	20.2	SI
3 S	13- 2	-7265.6	-145168.3	320558.	-3.1	77.2	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	16- 1	-32306.4	-2329745.5	-1373544.9	-20.5	508.8	SI
1 C	16- 1	-32306.4	-1540473.	-555824.7	-13.3	199.2	SI
1 S	16- 1	-32306.4	-751200.6	261895.5	-7.5	4.6	SI
2 I	17- 1	-12082.8	-512324.5	-810368.	-9.8	212.	SI
2 C	17- 1	-12082.8	-252660.2	-268418.	-3.3	21.3	SI
2 S	17- 2	-11990.5	13964.9	295134.6	-2.2	15.1	SI
3 I	16- 2	-6191.2	128727.8	42123.5	-1.4	.4	SI
3 C	17- 2	-6172.2	9083.	162800.1	-1.2	10.9	SI
3 S	16- 2	-6191.2	-104488.8	272629.7	-2.5	65.	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	18- 1	-31207.2	-2144222.6	-1337230.6	-19.3	466.6	SI
1 C	18- 1	-31207.2	-1402308.6	-542557.2	-12.1	174.3	SI
1 S	18- 1	-31207.2	-660394.5	252116.2	-6.9	-.4	SI
2 I	18- 1	-11539.2	-461977.6	-761386.6	-9.1	189.5	SI
2 C	18- 1	-11539.2	-225679.	-243468.7	-3.	15.9	SI
2 S	18- 1	-11539.2	10619.5	274449.2	-2.1	12.1	SI
3 I	18- 1	-5907.1	112393.	40966.2	-1.3	-.5	SI
3 C	18- 1	-5907.1	9056.2	150466.6	-1.1	8.8	SI
3 S	18- 1	-5907.1	-94280.6	259967.	-2.4	61.9	SI

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P040 (ID=77)
 Aste : 359; 401; 358
 Metodo di verifica : stati limite - NTC18 (q=1.5 ; muphi=2.6) ->
 Duttilita' : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capito 7 non attivi.
 Unita' di misura : cm; daN/cm; daN/cm2; deform.%; 1/r â€°(permille)
 Unita' particolari : fessure [wk]:mm - ferri:mm e cm2 - sezioni:cm e derivate.
 Copriferri (assi) : longitudinali= 3.5 ; staffe= 2.5
 Imperfezioni : M minimo = N * e0 ; M aggiunto = N * ei
 Instabilita' : snellezza limite [EC2 5.8.3.1]

MATERIALI

CLS : C32/40-N08; Rck=400; fck=332; fctk=21.69; fctm=30.99; Ecm=336428;
 gc=1.5; fcd=188.1; fbd=32.54; fctd=14.46; Ec2=0.2%; Ecu=0.35%
 ACCIAIO: B450C; ftk=5175; fyk=4500; Es=2100000; gs=1.15; fyd=3913;
 ftd=4500; fud=4439.8; Eyd=0.1863%; Eud=6.75%

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.

CLS : σ_c (rara)=199.2; σ_c (quasi permanente)=149.4; fbd(esercizio)=32.54ACCIAIO: σ_f (rara)=3600; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (statico)	2
3	SLU VENTOY	SLU (statico)	2
6	SLU con SISMAL PRINC	SLU (sismico)	16
7	SLU con SISMAL PRINC	SLU (sismico)	16
12	Rara	RARA	1
13	Rara VentoX	RARA	2
14	Rara VentoY	RARA	2
15	Frequente	FREQUENTE	1
16	Frequente VentoX	FREQUENTE	2
17	Frequente VentoY	FREQUENTE	2
18	Quasi Perm	QUASI PERMAN.	1

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SEZIONI UTILIZZATE

1) Generica: non_presente ; ingombro=150 x 150; Acls=9275; iy=43.79; iz=43.79

Ai fini della verifica dei 'Dettagli costruttivi per la duttilita' [7.4.6.2.2]
 non e' stata attivata l'opzione per assimilare le sezioni generiche a sezioni
 rettangolari equivalenti, tale verifica non verra' effettuata.

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	ei	ey	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm
1	1	2	2	.27	.27	80.	56.	0.	0.	78.76	.849
2	1	2	2	1.13	1.13	340.	310.	0.	0.	78.76	.849
3	1	2	2	1.13	1.13	340.	310.	0.	0.	65.75	.709

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (incluse le imperfezioni):

Asta	Caso	NEd	MEyd	MEzd	E c/s	σ_c	E acc	σ_f	VE
> 1	7- 4	-45054.	7698838.	1.	-10329508.	1.	-.04	-67.1	.138
1	7-15	-4654.	-1143326.	1.	8437073.	1.	-.062	-99.2	.143
1	6-12	-8632.	6227889.	1.	3411479.	1.	-.066	-103.7	.183
> 2	7- 2	-6773.	-120403.	1.07	-10406422.	1.	-.057	-91.9	.168
2	7-15	7514.	-278026.	1.	5861918.	1.	-.047	-77.5	.12
2	7-15	7514.	485119.	1.02	3608239.	1.	-.032	-55.1	.089
> 3	7-15	1685.	464521.	1.	3879494.	1.	-.035	-60.4	.09
3	7-15	1685.	307468.	1.	1765396.	1.	-.016	-29.6	.044
3	7- 2	-5272.	325427.	1.02	670500.	1.01	-.007	-12.2	.015

SNELLEZZA LIMITE Y [EC2 5.8.3.1]:

Asta	Caso	NEd	MEyd inf	MEyd sup	10	A	B	C	nu	L lim	Lambd	VE
1	3- 1	-45492.	1831621.	1806748.	80.	.7	1.16	.714	.026	71.97	1.83	SI
2	7- 1	-6479.3	-507388.	-534916.	340.	.7	1.16	.751	.004	200.8	7.76	SI
3	7- 8	-2993.7	209125.3	220547.	340.	.7	1.14	.752	.002	289.2	7.76	SI

SNELLEZZA LIMITE Z [EC2 5.8.3.1]:

Asta	Caso	NEd	MEzd inf	MEzd sup	10	A	B	C	nu	L lim	Lambd	VE
1	7- 2	-52652.5	-9525290.	-7545475.	80.	.7	1.16	.908	.03	85.12	1.83	SI
2	6- 8	-2504.6	980264.	1053060.	340.	.7	1.16	.769	.001	330.6	7.76	SI
3	6- 2	-4215.1	257144.6	230805.2	340.	.7	1.14	.802	.002	260.1	7.76	SI

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	7- 7	33789.3	68246.6	68246.6	152940.	1.01	19.	2.5	SI
1 C	7- 7	33789.3	68246.6	68246.6	152940.	1.01	19.	2.5	SI
1 S	7- 7	33789.3	68246.6	68246.6	152940.	1.01	19.	2.5	SI
2 I	7- 4	23218.	68246.6	68246.6	150056.9	1.01	19.	2.5	SI
2 C	7- 4	23218.	68246.6	68246.6	150056.9	1.01	19.	2.5	SI
2 S	7- 4	23218.	68246.6	68246.6	150056.9	1.01	19.	2.5	SI
3 I	7-13	-12510.5	68246.6	68246.6	149687.6	1.01	19.	2.5	SI
3 C	7-13	-12510.5	68246.6	68246.6	149687.6	1.01	19.	2.5	SI

3 S| 7-13|-12510.5| 68246.6| 68246.6|149687.6| 1.01|19. |2.5 |SI|

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	6- 5	35135.7	68246.6	68246.6	153863.1	1.01	19.	2.5	SI
1 C	6- 5	35135.7	68246.6	68246.6	153863.1	1.01	19.	2.5	SI
1 S	6- 5	35135.7	68246.6	68246.6	153863.1	1.01	19.	2.5	SI
2 I	6- 4	-17672.4	68246.6	68246.6	149818.5	1.01	19.	2.5	SI
2 C	6- 4	-17672.4	68246.6	68246.6	149818.5	1.01	19.	2.5	SI
2 S	6- 4	-17672.4	68246.6	68246.6	149818.5	1.01	19.	2.5	SI
3 I	6- 2	-11633.7	68246.6	68246.6	150049.2	1.01	19.	2.5	SI
3 C	6- 2	-11633.7	68246.6	68246.6	150049.2	1.01	19.	2.5	SI
3 S	6- 2	-11633.7	68246.6	68246.6	150049.2	1.01	19.	2.5	SI

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	13- 2	-31300.2	1603019.5	-979634.2	-10.5	25.8	SI
1 C	13- 2	-31300.2	1669579.9	-83592.6	-15.1	147.7	SI
1 S	13- 2	-31300.2	1736140.2	812448.9	-22.8	462.	SI
2 I	13- 1	95.6	-919656.8	-1148261.9	-18.5	468.2	SI
2 C	13- 1	95.6	-495638.	-376721.6	-7.8	201.2	SI
2 S	13- 2	458.3	142063.4	385318.5	-5.8	233.4	SI
3 I	13- 2	-1729.8	45062.2	213115.1	-2.9	76.1	SI
3 C	13- 2	-1729.8	147962.3	183860.9	-3.3	106.4	SI
3 S	13- 1	-1899.1	277533.9	159120.	-4.6	147.9	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	16- 2	-29272.8	1391835.6	-887924.8	-9.3	20.5	SI
1 C	16- 2	-29272.8	1400195.9	-54877.2	-12.5	102.1	SI
1 S	16- 2	-29272.8	1408556.1	778170.5	-18.9	357.4	SI
2 I	16- 1	314.5	-571978.9	-1104874.7	-14.9	430.3	SI
2 C	16- 1	314.5	-280223.4	-374938.3	-5.8	154.5	SI
2 S	16- 2	387.1	54268.5	353097.9	-4.8	181.8	SI
3 I	16- 2	-1785.7	-31556.9	183020.7	-1.9	32.7	SI
3 C	16- 2	-1785.7	101106.5	168642.3	-2.8	79.1	SI
3 S	16- 1	-1819.6	239104.2	155166.6	-4.1	131.3	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	18- 1	-28653.3	1337782.3	-862234.5	-9.	19.3	SI
1 C	18- 1	-28653.3	1330270.1	-47669.3	-11.8	91.9	SI
1 S	18- 1	-28653.3	1322758.	766895.9	-17.8	331.1	SI
2 I	18- 1	370.3	-481298.3	-1091016.8	-13.9	419.7	SI
2 C	18- 1	370.3	-224781.8	-373338.5	-5.3	150.6	SI
2 S	18- 1	370.3	31734.7	344339.8	-4.5	168.4	SI
3 I	18- 1	-1793.2	-50364.1	174687.1	-1.6	22.9	SI
3 C	18- 1	-1793.2	89223.6	164227.3	-2.6	72.1	SI
3 S	18- 1	-1793.2	228811.2	153767.5	-3.9	126.8	SI

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P041 (ID=78)
 Aste : 352; 402; 353
 Metodo di verifica : stati limite - NTC18 (q=1.5 ; μ_{phi} =2.6) ->
 Duttilita' : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capito 7 non attivi.
 Unita' di misura : cm; daN; daN/cm; daN/cm²; deform. %; 1/r $\hat{=}$ (permille)
 Unita' particolari : fessure [wk]:mm - ferri:mm e cm² - sezioni:cm e derivate.
 Copriferri (assi) : longitudinale= 3.5 ; staffe= 2.5
 Imperfezioni : M minimo = N * e₀ ; M aggiunto = N * e_i
 Instabilita' : snellezza limite [EC2 5.8.3.1]

MATERIALI

CLS : C32/40-N08; Rck=400; fck=332; fctk=21.69; fctm=30.99; Ecm=336428;
 gc=1.5; fcd=188.1; fbd=32.54; fctd=14.46; Ec2=0.2%; Ecu=0.35%
 ACCIAIO: B450C; ftk=5175; fyk=4500; Es=2100000; gs=1.15; fyd=3913;
 ftd=4500; fud=4439.8; Eyd=0.1863%; Eud=6.75%

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.

CLS : σ_c (rara)=199.2; σ_c (quasi permanente)=149.4; fbd(esercizio)=32.54

ACCIAIO: σ_f (rara)=3600; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (statico)	2
3	SLU VENTOX	SLU (statico)	2
6	SLU con SISMAL PRINC	SLU (sismico)	16
7	SLU con SISMAL PRINC	SLU (sismico)	16
12	Rara	RARA	1
13	Rara Ventox	RARA	2

14	Rara VentoY	RARA	2
15	Frequente	FREQUENTE	1
16	Frequente VentoX	FREQUENTE	2
17	Frequente VentoY	FREQUENTE	2
18	Quasi Perm	QUASI PERMAN.	1

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SEZIONI UTILIZZATE

1) Rettangolare: base=140; alt.=35; AclS=4900; iy=40.41; iz=10.1

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2.	2.	.27	.27	80.	56.	0.	0.	83.44	1.703	8φ16+4φ24+8φ28
2	1	2.	2.	1.13	1.13	340.	310.	0.	0.	61.7	1.259	8φ16+12φ22
3	1	2.	2.	1.13	1.13	340.	310.	0.	0.	54.54	1.113	12φ16+8φ22

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (incluse le imperfezioni):

Asta	Caso	NEd	MEyd	MEzd	E cIs	σc	E acc	σf	VE
> 1	7- 5	-14320.	15388098.	32460.	5.33	-0.081	-121.4	.168	3537.6
1	7- 5	-14320.	11782020.	-155869.	1.	-0.066	-103.4	.131	2741.3
1	7- 5	-14320.	8188246.	-326052.	1.01	-0.052	-85.8	.094	1979.9
> 2	7- 7	-21215.	8170010.	746749.	1.03	-0.081	-121.9	.143	2996.8
2	7- 7	-21215.	4261673.	134830.	1.	-0.032	-55.4	.057	1186.8
2	2- 2	-30875.	-240182.	-725590.	1.05	-0.022	-38.5	.025	522.7
> 3	6-15	-8689.	-719107.	627098.	1.02	-0.025	-43.6	.044	933.
3	7-12	-6955.	-604972.	-88209.	1.	-0.007	-12.5	.008	168.3
3	3- 1	-10726.	-248152.	-1013368.	1.01	-0.032	-55.3	.066	1388.6

SNELLEZZA LIMITE Y [EC2 5.8.3.1]:

Asta	Caso	NEd	MEyd inf	MEyd sup	l0	A	B	C	nu	L lim	Lambd	VE
1	6-11	-22982.	-996417.	-732020.	80.	.7	1.31	.965	.025	111.9	1.98	SI
2	3- 2	-30600.1	-159991.	-199615.	340.	.7	1.23	.899	.033	85.23	8.41	SI
3	2- 2	-10762.8	-125017.	-159763.	340.	.7	1.21	.917	.012	143.8	8.41	SI

SNELLEZZA LIMITE Z [EC2 5.8.3.1]:

Asta	Caso	NEd	MEzd inf	MEzd sup	l0	A	B	C	nu	L lim	Lambd	VE
1	2- 2	-24658.8	47265.3	-469314.	80.	.7	1.31	1.8	.027	201.5	7.92	SI
2	2- 2	-30875.4	980413.4	-690597.	340.	.7	1.23	2.4	.033	227.1	33.65	SI
3	2- 2	-10762.8	716598.1	-1011151	340.	.7	1.21	2.41	.012	377.5	33.65	SI

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	2- 2	-6457.2	64340.7	64340.7	132185.3	3.02	13.	2.5	SI
1 C	2- 2	-6457.2	64340.7	64340.7	132185.3	3.02	13.	2.5	SI
1 S	2- 2	-6457.2	64340.7	64340.7	132185.3	3.02	13.	2.5	SI
2 I	2- 2	-4914.7	44022.6	44022.6	133053.5	3.02	19.	2.5	SI
2 C	2- 2	-4914.7	44022.6	44022.6	133053.5	3.02	19.	2.5	SI
2 S	2- 2	-4914.7	44022.6	44022.6	133053.5	3.02	19.	2.5	SI
3 I	2- 2	-5081.6	44022.6	44022.6	130244.7	3.02	19.	2.5	SI
3 C	2- 2	-5081.6	44022.6	44022.6	130244.7	3.02	19.	2.5	SI
3 S	2- 2	-5081.6	44022.6	44022.6	130244.7	3.02	19.	2.5	SI

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	7- 7	91503.8	92936.5	92936.5	142276.2	1.01	13.	2.5	SI
1 C	7- 7	91503.8	92936.5	92936.5	142276.2	1.01	13.	2.5	SI
1 S	7- 7	91503.8	92936.5	92936.5	142276.2	1.01	13.	2.5	SI
2 I	7- 5	22909.	63588.1	63588.1	142348.7	1.01	19.	2.5	SI
2 C	7- 5	22909.	63588.1	63588.1	142348.7	1.01	19.	2.5	SI
2 S	7- 5	22909.	63588.1	63588.1	142348.7	1.01	19.	2.5	SI
3 I	7- 5	5590.9	63588.1	63588.1	140428.5	1.01	19.	2.5	SI
3 C	7- 5	5590.9	63588.1	63588.1	140428.5	1.01	19.	2.5	SI
3 S	7- 5	5590.9	63588.1	63588.1	140428.5	1.01	19.	2.5	SI

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	14- 1	-17089.9	2705739.6	32138.3	-24.4	476.7	SI
1 C	14- 1	-17089.9	1993301.4	-152708.8	-23.9	380.1	SI
1 S	14- 1	-17089.9	1280863.1	-337555.8	-25.4	365.	SI
2 I	14- 1	-21710.2	1047283.	677756.5	-42.7	771.7	SI
2 C	14- 1	-21710.2	450911.8	96055.5	-9.6	21.2	SI
2 S	13- 2	-21791.8	-148328.6	-487488.6	-23.6	349.2	SI
3 I	14- 2	-7651.5	-137361.2	497100.8	-25.2	652.6	SI
3 C	13- 2	-7734.8	-100010.8	-106943.2	-6.1	57.9	SI
3 S	14- 1	-7710.2	-164257.5	-713671.8	-35.6	991.	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	17- 1	-16270.8	1773315.7	31943.9	-16.9	266.3	SI
1 C	17- 1	-16270.8	1287739.6	-132918.1	-17.	214.1	SI
1 S	17- 1	-16270.8	802163.5	-297780.1	-19.4	249.8	SI
2 I	17- 1	-19962.7	552484.4	611041.6	-33.9	610.4	SI
2 C	17- 1	-19962.7	213390.4	85397.7	-7.3	-3.2	SI
2 S	16- 2	-19979.1	-126277.4	-440614.9	-21.2	310.5	SI
3 I	17- 2	-6870.6	-86580.5	446450.3	-22.1	578.5	SI
3 C	16- 2	-6887.3	-91087.	-91178.1	-5.3	47.	SI
3 S	17- 1	-6882.3	-115912.8	-629343.4	-31.	866.3	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	18- 1	-16029.	1534298.1	31986.8	-15.	213.7	SI
1 C	18- 1	-16029.	1107301.5	-127029.3	-15.1	173.2	SI
1 S	18- 1	-16029.	680304.8	-286045.4	-17.8	220.7	SI
2 I	18- 1	-19446.9	426578.1	590907.6	-31.5	567.5	SI
2 C	18- 1	-19446.9	153348.3	82170.4	-6.7	-8.7	SI
2 S	18- 1	-19446.9	-119881.5	-426566.8	-20.5	298.8	SI
3 I	18- 1	-6644.7	-73948.8	431381.5	-21.3	556.9	SI
3 C	18- 1	-6644.7	-88575.	-86617.6	-5.	43.9	SI
3 S	18- 1	-6644.7	-103201.3	-604616.7	-29.6	829.9	SI

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : P042 (ID=79)
 Aste : 357; 403; 356
 Metodo di verifica : stati limite - NTC18 (q=1.5 ; μ_{phi} =2.6) ->
 Duttilita' : non prevista (struttura non dissipativa).
 : dettagli costruttivi del capito 7 non attivi.
 Unità di misura : cm; daN; daN/cm; daNcm; daN/cm²; deform. %; 1/r ‰ (permille)
 Unità particolari : fessure [wk];mm - ferri:mm e cm² - sezioni:cm e derivate.
 Copriferrì (assi) : longitudinali= 3.5 ; staffe= 2.5
 Imperfezioni : M minimo = N * e₀ ; M aggiunto = N * e_i
 Instabilità : snellezza limite [EC2 5.8.3.1]

MATERIALI

CLS : C32/40-N08; Rck=400; fck=332; fctk=21.69; fctm=30.99; Ecm=336428;
 gc=1.5; fcd=188.1; fbd=32.54; fctd=14.46; Ec2=0.2%; Ecu=0.35%
 ACCIAIO: B450C; ftk=5175; fyk=4500; Es=2100000; gs=1.15; fyd=3913;
 ftd=4500; fud=4439.8; Eyd=0.1863%; Eud=6.75%

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.

CLS : σ_c (rara)=199.2; σ_c (quasi permanente)=149.4; fbd(esercizio)=32.54ACCIAIO: σ_f (rara)=3600; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (statico)	2
3	SLU VENTOY	SLU (statico)	2
6	SLU con SISMAL PRINC	SLU (sismico)	16
7	SLU con SISMAL PRINC	SLU (sismico)	16
12	Rara	RARA	1
13	Rara VentoX	RARA	2
14	Rara VentoY	RARA	2
15	Frequente	FREQUENTE	1
16	Frequente VentoX	FREQUENTE	2
17	Frequente VentoY	FREQUENTE	2
18	Quasi Perm	QUASI PERMAN.	1

<-

SEZIONI UTILIZZATE

1) Rettangolare: base=140; alt.=35; Acl=4900; iy=40.41; iz=10.1

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm
1	1	2.	2.	.27	.27	80.	56.	0.	0.	83.44	1.703
2	1	2.	2.	1.13	1.13	340.	310.	0.	0.	61.7	1.259
3	1	2.	2.	1.13	1.13	340.	310.	0.	0.	54.54	1.113

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (incluse le imperfezioni):

Asta	Caso	NEd	MEyd	MEzd	E cl	σ_c	E acc	σ_f	VE
> 1	7- 4	-13408.	16317559.	1.	-67541.	1.06	-0.087	-128.3	.181
1	7- 4	-13408.	12416480.	1.	164620.	1.	-0.069	-107.9	.139
1	7- 4	-13408.	8536819.	1.	401572.	1.01	-0.057	-91.7	.101
> 2	7- 2	-10451.	8519444.	1.	-751997.	1.02	-0.084	-124.8	.158
2	7- 4	-6953.	4498394.	1.	-105650.	1.	-0.032	-55.4	.071
2	3- 1	-12271.	-251855.	1.06	542108.	1.03	-0.017	-30.2	.027
> 3	7-13	-3446.	-1599330.	1.	-294944.	1.01	-0.022	-38.8	.038
3	7-15	-1935.	-689476.	1.	92535.	1.	-0.008	-14.8	.014
3	6- 5	-5514.	-335485.	1.02	651968.	1.01	-0.022	-39.1	.045

SNELLEZZA LIMITE Y [EC2 5.8.3.1]:

Asta	Caso	NEd	MEyd inf	MEyd sup	10	A	B	C	nu	L lim	Lambd	VE
1	6- 3	-22563.5	-1341878	-1183057	80.	.7	1.31	.818	.024	95.72	1.98	SI
2	6- 7	-14022.1	303634.7	84768.7	340.	.7	1.23	1.42	.015	199.1	8.41	SI
3	6- 1	-5528.2	-79648.6	-151395.	340.	.7	1.21	1.17	.006	256.7	8.41	SI

SNELLEZZA LIMITE Z [EC2 5.8.3.1]:

Asta	Caso	NEd	MEzd inf	MEzd sup	10	A	B	C	nu	L lim	Lambd	VE
1	2- 1	-22993.7	-143068.	576284.	80.	.7	1.31	1.95	.025	225.7	7.92	SI

2	6- 2	-14256.8	-975946.	380813.7	340.	.7	1.23	2.09	.015	290.5	33.65	SI
3	6- 1	-5528.2	-448468.	644873.7	340.	.7	1.21	2.4	.006	523.8	33.65	SI

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	2- 2	9064.	69702.4	69702.4	131767.5	3.02	12.	2.5	SI
1 C	2- 2	9064.	69702.4	69702.4	131767.5	3.02	12.	2.5	SI
1 S	2- 2	9064.	69702.4	69702.4	131767.5	3.02	12.	2.5	SI
2 I	2- 1	4609.4	44022.6	44022.6	130519.9	3.02	19.	2.5	SI
2 C	2- 1	4609.4	44022.6	44022.6	130519.9	3.02	19.	2.5	SI
2 S	2- 1	4609.4	44022.6	44022.6	130519.9	3.02	19.	2.5	SI
3 I	2- 1	3273.9	44022.6	44022.6	129356.9	3.02	19.	2.5	SI
3 C	2- 1	3273.9	44022.6	44022.6	129356.9	3.02	19.	2.5	SI
3 S	2- 1	3273.9	44022.6	44022.6	129356.9	3.02	19.	2.5	SI

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	7- 2	98726.	100681.2	100681.2	142184.1	1.01	12.	2.5	SI
1 C	7- 2	98726.	100681.2	100681.2	142184.1	1.01	12.	2.5	SI
1 S	7- 2	98726.	100681.2	100681.2	142184.1	1.01	12.	2.5	SI
2 I	7- 4	23993.5	63588.1	63588.1	140522.	1.01	19.	2.5	SI
2 C	7- 4	23993.5	63588.1	63588.1	140522.	1.01	19.	2.5	SI
2 S	7- 4	23993.5	63588.1	63588.1	140522.	1.01	19.	2.5	SI
3 I	7-13	-6041.6	63588.1	63588.1	139991.4	1.01	19.	2.5	SI
3 C	7-13	-6041.6	63588.1	63588.1	139991.4	1.01	19.	2.5	SI
3 S	7-13	-6041.6	63588.1	63588.1	139991.4	1.01	19.	2.5	SI

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	14- 1	-15940.2	2556447.	-100955.7	-26.2	493.7	SI
1 C	14- 1	-15940.2	1753819.8	156018.8	-22.	338.7	SI
1 S	14- 1	-15940.2	951192.5	412993.3	-25.6	392.1	SI
2 I	13- 1	-9074.9	699338.8	-735038.5	-41.	981.7	SI
2 C	13- 1	-9074.9	269257.2	-178978.7	-11.	152.6	SI
2 S	14- 1	-8766.5	-172282.6	374933.9	-18.7	396.4	SI
3 I	13- 1	-3154.	-239331.6	-279987.2	-16.4	424.5	SI
3 C	14- 1	-2962.6	-148231.3	114946.1	-7.4	153.8	SI
3 S	13- 1	-3154.	-46378.5	510354.9	-24.2	738.	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	17- 1	-15318.8	2301251.7	-96784.7	-23.9	437.4	SI
1 C	17- 1	-15318.8	1590349.5	137867.1	-19.8	295.7	SI
1 S	17- 1	-15318.8	879447.4	372518.8	-23.2	346.5	SI
2 I	16- 1	-8469.6	652263.9	-656893.1	-37.	877.	SI
2 C	16- 1	-8469.6	258261.3	-157609.	-9.9	132.	SI
2 S	17- 1	-8407.9	-138033.	341245.6	-16.8	350.5	SI
3 I	16- 1	-2985.8	-218897.9	-243669.6	-14.5	367.2	SI
3 C	17- 1	-2947.5	-131975.7	102282.	-6.6	131.1	SI
3 S	16- 1	-2985.8	-42903.	448328.6	-21.3	644.7	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σ_c	σ_f	VE
1 I	18- 1	-15146.	2228861.7	-95551.1	-23.2	421.4	SI
1 C	18- 1	-15146.	1543768.4	132432.8	-19.2	283.2	SI
1 S	18- 1	-15146.	858675.	360416.7	-22.5	332.9	SI
2 I	18- 1	-8309.4	637484.4	-633860.9	-35.8	845.7	SI
2 C	18- 1	-8309.4	254423.3	-151378.7	-9.6	125.7	SI
2 S	18- 1	-8309.4	-128637.8	331103.6	-16.2	336.8	SI
3 I	18- 1	-2930.4	-213272.2	-233639.9	-13.9	351.5	SI
3 C	18- 1	-2930.4	-127510.8	98645.6	-6.3	124.9	SI
3 S	18- 1	-2930.4	-41749.4	430931.1	-20.5	618.7	SI

VERIFICA ASTE IN ACCIAIO:

VERIFICA ELEMENTI IN ACCIAIO
 lavoro : 21_15B
 data : 2022_04_10_16_46

Unità di misura:
 Lunghezze: cm
 Prop.Sez.: cm
 Forze: daN
 Momenti: daNcm
 Tensioni: daN/cm²

MATERIALI
 S355 (EN 10025-2): Mod.EI.= 2100000.0; gM = 1.050;
 fyk = 3550.0(3550.0 per sp>40 mm); fyd = 3381.0(3190.5 per sp>40 mm).

CASI DI CARICO	Descrizione	Soll.
1	SLU	1
2	SLU VENTOX	2
3	SLU VENTYO	2
4	SISMAX SLU	4
5	SISMAY SLU	4
6	SLU con SISMAX PRINC	16
7	SLU con SISMAY PRINC	16
8	SLD con SISMAX PRINC	16
9	SLD con SISMAY PRINC	16
10	SLU FON con SISMAX P	16
11	SLU FON con SISMAY P	16
12	Rara	1
13	Rara Ventox	2
14	Rara VentoY	2
15	Frequente	1
16	Frequente Ventox	2
17	Frequente VentoY	2
18	Quasi Perm	1

CARATTERISTICHE GEOMETRICHE

CASSONE_S008 (8) :
 A = 70.5600E+00 Jz= 10.1691E+03 Jy= 10.1691E+03 Jt= 15.2473E+03
 base= 30. ; alt= 30. ; spsup= 1. ; spsx= 1. ; spdx= 1. ; spinf= 1.

CASSONE_S008 (8) stato limite ultimo - ASTA (163- 164) 280
 ----- PROGR. 0.

SOLLECITAZIONI	MZ	MY	MT	N	TZ	TY
Caso 10-15	-183004.2	103.6	2500.9	-2.1	0.2	433.3
TENSIONI (Sz= 0.00) :						
Caso 10-15	Ve No massimi	Sx	Tz	Ty	τ tot.	Si
10-15	si 3 Sx	-270.1	0.0	2.4	2.4	270.2
10-15	si 14 Tz	-269.8	11.4	0.0	11.4	270.6
10-15	si 5 Ty	0.1	0.0	-16.2	16.2	28.1
10-15	si 16 Si	-270.1	-11.4	0.0	11.4	270.8
						106.

SOLLECITAZIONI	MZ	MY	MT	N	TZ	TY
Caso 10-15	-137150.6	77.7	2500.9	-2.1	0.2	433.3
TENSIONI (Sz= 0.00) :						
Caso 10-15	Ve No massimi	Sx	Tz	Ty	τ tot.	Si
10-15	si 3 Sx	-202.4	0.0	2.4	2.4	202.5
10-15	si 14 Tz	-202.2	11.4	0.0	11.4	203.2
10-15	si 5 Ty	0.1	0.0	-16.2	16.2	28.1
10-15	si 16 Si	-202.4	-11.4	0.0	11.4	203.4
						212.

SOLLECITAZIONI	MZ	MY	MT	N	TZ	TY
Caso 10-15	-91297.1	51.7	2500.9	-2.1	0.2	433.3
TENSIONI (Sz= 0.00) :						
Caso 10-15	Ve No massimi	Sx	Tz	Ty	τ tot.	Si
10-15	si 3 Sx	-134.8	0.0	2.4	2.4	134.8
10-15	si 14 Tz	-134.6	11.4	0.0	11.4	136.1
10-15	si 5 Ty	0.0	0.0	-16.2	16.2	28.1
10-15	si 16 Si	-134.8	-11.4	0.0	11.4	136.2
						317.

SOLLECITAZIONI	MZ	MY	MT	N	TZ	TY
Caso 10-15	-45443.6	25.8	2500.9	-2.1	0.2	433.3
TENSIONI (Sz= 0.00) :						
Caso 10-15	Ve No massimi	Sx	Tz	Ty	τ tot.	Si
10-15	si 3 Sx	-67.1	0.0	2.4	2.4	67.2
10-15	si 14 Tz	-67.0	11.4	0.0	11.4	69.9
10-15	si 5 Ty	0.0	0.0	-16.2	16.2	28.1
10-15	si 16 Si	-67.1	-11.4	0.0	11.4	70.0
						423.

SOLLECITAZIONI	MZ	MY	MT	N	TZ	TY
Caso 10- 4	-487.9	8.7	-2961.0	0.5	-0.2	-374.5
10-15	407.9	-0.4	2500.9	-2.1	0.2	433.3
TENSIONI (Sz= 0.00) :						
Caso 10-15	Ve No massimi	Sx	Tz	Ty	τ tot.	Si

Progetto esecutivo

Relazione Tecnica e di Calcolo - Tabulati struttura in progetto

10- 4	si	1	Sx	0.7	0.0	2.9	2.9	5.0
10-15	si	14	Tz	0.6	11.4	0.0	11.4	19.8
10-15	si	5	Ty	0.0	0.0	-16.2	16.2	28.1
								529.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
10-15	46263.6	-32.9	2500.9	-2.1	0.2	433.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
10-15	si	1	Sx	-68.3	0.0	2.4	2.4	68.4	
10-15	si	14	Tz	68.2	11.4	0.0	11.4	71.0	
10-15	si	5	Ty	-0.1	0.0	-16.2	16.2	28.1	
10-15	si	13	Si	-68.3	-11.4	0.0	11.4	71.1	
								635.	

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
10-15	92117.1	-75.9	2500.9	-2.1	0.2	433.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
10-15	si	1	Sx	-136.0	0.0	2.4	2.4	136.1	
10-15	si	14	Tz	135.7	11.4	0.0	11.4	137.2	
10-15	si	5	Ty	-0.1	0.0	-16.2	16.2	28.1	
10-15	si	13	Si	-136.0	-11.4	0.0	11.4	137.4	
								741.	

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
10-15	137970.6	-74.6	2500.9	-2.1	0.2	433.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
10-15	si	1	Sx	-203.7	0.0	2.4	2.4	203.7	
10-15	si	14	Tz	203.4	11.4	0.0	11.4	204.3	
10-15	si	5	Ty	-0.1	0.0	-16.2	16.2	28.1	
10-15	si	13	Si	-203.6	-11.4	0.0	11.4	204.6	
								846.	

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
10-15	183824.2	-106.1	2500.9	-2.1	0.2	433.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
10-15	si	1	Sx	-271.3	0.0	2.4	2.4	271.4	
10-15	si	14	Tz	271.0	11.4	0.0	11.4	271.7	
10-15	si	5	Ty	-0.2	0.0	-16.2	16.2	28.1	
10-15	si	13	Si	-271.3	-11.4	0.0	11.4	272.1	

VERIFICA STABILITA` :

Z | L0 = 846. | Ro = 12.00 | lm = 70.5 | Ncr = 294135.8 | alfa(a) = 0.2100 | ki = 0.7187 |
 Y | Lc = 846. | Ro = 12.00 | lm = 70.5 | Ncr = 294135.8 | alfa(a) = 0.2100 | ki = 0.7187 |
 Caso 10-15 - Nodo 1 - Asse Z
 Ned = -2.1 | Mzeq = 137868.1 | Myeq = -79.5 | Ss = -203.5 (0.060)

CASSONE_S008 (8) stato limite ultimo - ASTA (164- 165) 281
 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
10- 4	219524.9	-168.7	-2892.6	0.8	-0.5	-628.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
10- 4	si	3	Sx	324.1	0.0	2.8	2.8	324.1	
10- 4	si	14	Tz	323.6	-15.9	0.0	15.9	324.8	
10- 4	si	5	Ty	-0.2	0.0	22.8	22.8	39.6	
10- 4	si	16	Si	324.1	15.9	0.0	15.9	325.2	
								87.	

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
10- 4	164614.3	-126.7	-2892.6	0.8	-0.5	-628.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
10- 4	si	3	Sx	243.0	0.0	2.8	2.8	243.1	
10- 4	si	14	Tz	242.6	-15.9	0.0	15.9	244.2	
10- 4	si	5	Ty	-0.2	0.0	22.8	22.8	39.6	
10- 4	si	16	Si	243.0	15.9	0.0	15.9	244.6	
								175.	

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
10- 4	109703.7	-84.8	-2892.6	0.8	-0.5	-628.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
10- 4	si	3	Sx	162.0	0.0	2.8	2.8	162.0	
10- 4	si	14	Tz	161.7	-15.9	0.0	15.9	164.0	
10- 4	si	5	Ty	-0.1	0.0	22.8	22.8	39.6	
10- 4	si	16	Si	162.0	15.9	0.0	15.9	164.3	
								262.	

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
10- 4	54793.1	-42.9	-2892.6	0.8	-0.5	-628.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
10- 4	si	3	Sx	80.9	0.0	2.8	2.8	81.0	
10- 4	si	14	Tz	80.8	-15.9	0.0	15.9	85.3	
10- 4	si	5	Ty	-0.1	0.0	22.8	22.8	39.6	

10- 4 si 16	Si	80.9	15.9	0.0	15.9	85.4
-----						349.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
2- 1	-210.1	-1.9	20.0	0.9	0.0	-45.3
10- 4	-112.6	-1.6	-2892.6	0.8	-0.5	-628.9

TENSIONI (Sz= 0.00) :						
Caso	Ve No massimi	Sx	Tz	Ty	τ tot.	Si
2- 1 si 2	Sx	0.3	0.0	0.0	0.0	0.3
10- 4 si 14	Tz	-0.2	-15.9	0.0	15.9	27.5
10- 4 si 5	Ty	0.0	0.0	22.8	22.8	39.6
10- 4 si 6	Si	0.0	0.0	22.8	22.8	39.6

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
10- 4	-55028.1	41.3	-2892.6	0.8	-0.5	-628.9

TENSIONI (Sz= 0.00) :						
Caso	Ve No massimi	Sx	Tz	Ty	τ tot.	Si
10- 4 si 1	Sx	81.2	0.0	2.8	2.8	81.4
10- 4 si 14	Tz	-81.1	-15.9	0.0	15.9	85.6
10- 4 si 5	Ty	0.1	0.0	22.8	22.8	39.6
10- 4 si 13	Si	81.2	15.9	0.0	15.9	85.8

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
10- 4	-109938.7	83.2	-2892.6	0.8	-0.5	-628.9

TENSIONI (Sz= 0.00) :						
Caso	Ve No massimi	Sx	Tz	Ty	τ tot.	Si
10- 4 si 1	Sx	162.3	0.0	2.8	2.8	162.4
10- 4 si 14	Tz	-162.0	-15.9	0.0	15.9	164.4
10- 4 si 5	Ty	0.1	0.0	22.8	22.8	39.6
10- 4 si 13	Si	162.3	15.9	0.0	15.9	164.6

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
10- 4	-164849.3	125.1	-2892.6	0.8	-0.5	-628.9

TENSIONI (Sz= 0.00) :						
Caso	Ve No massimi	Sx	Tz	Ty	τ tot.	Si
10- 4 si 1	Sx	243.4	0.0	2.8	2.8	243.4
10- 4 si 14	Tz	-243.0	-15.9	0.0	15.9	244.5
10- 4 si 5	Ty	0.2	0.0	22.8	22.8	39.6
10- 4 si 13	Si	243.4	15.9	0.0	15.9	244.9

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
10- 4	-219759.9	167.1	-2892.6	0.8	-0.5	-628.9

TENSIONI (Sz= 0.00) :						
Caso	Ve No massimi	Sx	Tz	Ty	τ tot.	Si
10- 4 si 1	Sx	324.4	0.0	2.8	2.8	324.5
10- 4 si 14	Tz	-323.9	-15.9	0.0	15.9	325.1
10- 4 si 5	Ty	0.3	0.0	22.8	22.8	39.6
10- 4 si 13	Si	324.4	15.9	0.0	15.9	325.6

VERIFICA STABILITA` :

L0 = 698.
 Z | Lc = 698. | Ro = 12.00 | lm = 58.2 | Ncr = 431985.4 | alfa(a)=0.2100 | ki=0.8170 |
 Y | Lc = 698. | Ro = 12.00 | lm = 58.2 | Ncr = 431985.4 | alfa(a)=0.2100 | ki=0.8170 |
 Caso10-15 - Nodo 4 - Asse Z
 Ned = -2.5 | mzeq = -159228.3 | myeq = -134.5 | ss = -235.1 (0.070)

CASSONE_S008 (8)	stato limite ultimo - ASTA (165- 166)	282
-----		0.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
10- 4	130010.9	-61.2	-2913.3	0.4	-0.1	-208.3

TENSIONI (Sz= 0.00) :						
Caso	Ve No massimi	Sx	Tz	Ty	τ tot.	Si
10- 4 si 3	Sx	191.9	0.0	2.8	2.8	191.9
10- 4 si 14	Tz	191.7	-7.1	0.0	7.1	192.1
10- 4 si 5	Ty	-0.1	0.0	9.4	9.4	16.4
10- 4 si 16	Si	191.9	7.1	0.0	7.1	192.3

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
10- 4	97592.4	-46.7	-2913.3	0.4	-0.1	-208.3

TENSIONI (Sz= 0.00) :						
Caso	Ve No massimi	Sx	Tz	Ty	τ tot.	Si
10- 4 si 3	Sx	144.0	0.0	2.8	2.8	144.1
10- 4 si 14	Tz	143.9	-7.1	0.0	7.1	144.4
10- 4 si 5	Ty	-0.1	0.0	9.4	9.4	16.4
10- 4 si 16	Si	144.0	7.1	0.0	7.1	144.6

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
10- 4	65173.8	-29.6	-2913.3	0.4	-0.1	-208.3

TENSIONI (Sz= 0.00) :						
Caso	Ve No massimi	Sx	Tz	Ty	τ tot.	Si
10- 4 si 3	Sx	96.2	0.0	2.8	2.8	96.3
10- 4 si 14	Tz	96.1	-7.1	0.0	7.1	96.9
10- 4 si 5	Ty	0.0	0.0	9.4	9.4	16.4
10- 4 si 16	Si	96.2	7.1	0.0	7.1	97.0

----- PROGR. 467.

SOLLECITAZIONI :										PROGR.	407.		
Caso			MZ		MY		MT		N		TZ		TY
10- 4			32755.3		-21.6		-2913.3		0.4		-0.1		-208.3
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massimi		Sx		Tz		Ty		τ	tot.	Si
10- 4	si	3	Sx		48.4		0.0		2.8		2.8		48.6
10- 4	si	14	Tz		48.3		-7.1		0.0		7.1		49.9
10- 4	si	5	Ty		0.0		0.0		9.4		9.4		16.4
10- 4	si	16	Si		48.4		7.1		0.0		7.1		49.9
-----										PROGR.	622.		

SOLLECITAZIONI :										PROGR.		622.		
Caso		MZ		MY		MT		N		TZ		TY		
10- 2		375.7		-7.3		-2496.6		2.7		-0.1		-199.2		
10- 4		334.5		-2.9		-2913.3		0.4		-0.1		-208.3		
TENSIONI (Sz= 0.00) :														
Caso	Ve	No	massimi		Sx		Tz		Ty		τ tot.		Si	
10- 2	si	3	Sx		0.6		0.0		2.4		2.4		4.2	
10- 4	si	14	Tz		0.5		-7.1		0.0		7.1		12.4	
10- 4	si	5	Ty		0.0		0.0		9.4		9.4		16.4	
10- 4	si	6	Si		0.0		0.0		9.4		9.4		16.4	
-----											PROGR.		778.	

SOLLECITAZIONI :										PROGR.	778.
Caso		MZ		MY		MT		N	TZ	TY	
10- 4		-32081.9		11.8		-2913.3		0.4	-0.1	-208.3	
TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massimi	Sx		Tz		Ty	τ tot.	Si	
10- 4	si	1	Sx	47.3		0.0		2.8	2.8	47.6	
10- 4	si	14	Tz	-47.3		-7.1		0.0	7.1	48.9	
10- 4	si	5	Ty	0.0		0.0		9.4	9.4	16.4	
10- 4	si	13	Si	47.3		7.1		0.0	7.1	48.9	
-----										PROGR.	934.

SOLLECITAZIONI :										PROGR. 1089.	
Caso		MZ		MY		MT		N		TZ	TY
10- 4		-64500.4		26.4		-2913.3		0.4		-0.1	-208.3
TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massimi	Sx		Tz		Ty		τ tot.	Si
10- 4	si	1	Sx	95.2		0.0		2.8		2.8	95.3
10- 4	si	14	Tz	-95.1		-7.1		0.0		7.1	95.9
10- 4	si	5	Ty	0.0		0.0		9.4		9.4	16.4
10- 4	si	13	Si	95.2		7.1		0.0		7.1	96.0
-----										PROGR. 1089.	

SOLLECITAZIONI :										PROGR.	1069.
Caso		MZ		MY		MT		N	TZ	TY	
10- 4		-96919.0		41.0		-2913.3		0.4	-0.1	-208.3	
TENSIONI (Sz= 0.00) :											
Caso	ve	No	massimi	Sx		Tz		Ty	τ tot.	Si	
10- 4	si	1	Sx	143.0		0.0		2.8	2.8	143.1	
10- 4	si	14	Tz	-142.9		-7.1		0.0	7.1	143.4	
10- 4	si	5	Ty	0.1		0.0		9.4	9.4	16.4	
10- 4	si	13	Si	143.0		7.1		0.0	7.1	143.6	
-----										PROGR.	1245.

SOLLECITAZIONI :										PROGR.		1243	
Caso			MZ		MY		MT		N		TZ		TY
10- 4			-129337.5		55.6		-2913.3		0.4		-0.1		-208.3
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massimi		Sx		Tz		Ty		τ tot.		Si
10- 4	si	1	Sx		190.9		0.0		2.8		2.8		190.9
10- 4	si	14	Tz		-190.7		-7.1		0.0		7.1		191.1
10- 4	si	5	Ty		0.1		0.0		9.4		9.4		16.4
10- 4	si	13	Si		190.9		7.1		0.0		7.1		191.3

----- VERIFICA STABILITA` :

Z | L0 = 1245. |
 Y | Lc = 1245. | Ro = 12.00 | lm = 103.7 | Ncr = 135976.3 | alfa(a) = 0.2100 | ki = 0.4394 |
 | Lc = 1245. | Ro = 12.00 | lm = 103.7 | Ncr = 135976.3 | alfa(a) = 0.2100 | ki = 0.4394 |
 Caso 10-15 - Nodo 3 - Asse Z
 Ned = -0.9 | Mzeq = -85843.4 | Myeq = 49.9 | Ss = -126.7 (0.037)

CASSONE_S008 (8) stato limite ultimo - ASTA (167- 166) 283
 ----- PROGR. 0.

SOLLECITAZIONI :										PROGR.		82.	
Caso		MZ		MY		MT		N		TZ		TY	
11- 4		323435.6		50.6		4477.4		-4.5		0.4		-978.5	
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massimi	Sx		Tz		Ty		τ tot.		Si	
11- 4	si	2	Sx	-477.2		0.0		4.3		4.3		477.3	
11- 4	si	16	Tz	476.9		24.7		0.0		24.7		478.9	
11- 4	si	5	Ty	0.0		0.0		35.5		35.5		61.5	
11- 4	si	15	Si	-477.2		-24.7		0.0		24.7		479.1	
-----										PROGR.		82.	

SOLLECITAZIONI :										PROGR.		165.
Caso		MZ		MY		MT		N		TZ		TY
11- 4		242893.7		20.4		4477.4		-4.5		0.4		-978.5
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi	Sx		Tz		Ty		τ tot.		Si
11- 4	si	2	Sx	-358.4		0.0		4.3		4.3		358.5
11- 4	si	16	Tz	358.2		24.7		0.0		24.7		360.7
11- 4	si	5	Ty	0.0		0.0		35.5		35.5		61.5
11- 4	si	15	Si	-358.4		-24.7		0.0		24.7		360.9
-----										PROGR.		165.

SOLLECITAZIONI :									
Caso	MZ		MY	MT	N	TZ	TY		
11- 4	162352.0		-9.5	4477.4	-4.5	0.4	-978.5		
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
11- 4	si	1	Sx	-239.6	0.0	4.3	4.3	239.7	
11- 4	si	16	Tz	239.4	24.7	0.0	24.7	243.2	
11- 4	si	5	Ty	-0.1	0.0	35.5	35.5	61.5	
11- 4	si	13	Si	-239.6	24.7	0.0	24.7	243.3	
-----									PROGR. 247.

SOLLECITAZIONI :										PROGR.		247.5		
Caso			MZ		MY		MT		N		TZ		TY	
11- 4			81810.3		-38.4		4477.4		-4.5		0.4		-978.5	
TENSIONI (Sz= 0.00) :														
Caso	Ve	No	massimi		Sx		Tz		Ty		τ	tot.	Si	
11- 4	si	1	Sx		-120.8		0.0		4.3		4.3		121.0	
11- 4	si	16	Tz		120.7		24.7		0.0		24.7		128.0	
11- 4	si	5	Ty		-0.1		0.0		35.5		35.5		61.5	
11- 4	si	13	Si		-120.8		24.7		0.0		24.7		128.1	
										----- PROGR.				329.

SOLLECITAZIONI :										PROGR.	329.5	
Caso			MZ		MY		MT		N	TZ		TY
11- 2			1313.6		-81.5		4297.6		-2.9	0.5		-956.1
11- 4			1287.7		-78.3		4477.4		-4.5	0.4		-978.5
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi		Sx		Tz		Ty	τ	tot.	Si
11- 2	si	1	Sx		-2.1		0.0		4.1	4.1		7.5
11- 4	si	16	Tz		1.9		24.7		0.0	24.7		42.8
11- 4	si	5	Ty		-0.2		0.0		35.5	35.5		61.5
										PROGR.	412.	

SOLLECITAZIONI :										PROGR.	412.	
Caso		MZ		MY		MT		N		TZ		TY
11- 4		-79274.0		-104.3		4477.4		-4.5		0.4		-978.5
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi	Sx		Tz		Ty		τ	tot.	Si
11- 4	si	4	Sx	-117.2		0.0		4.3		4.3		117.4
11- 4	si	16	Tz	-116.9		24.7		0.0		24.7		124.4
11- 4	si	5	Ty	-0.2		0.0		35.5		35.5		61.5
11- 4	si	14	Si	-117.1		-24.7		0.0		24.7		124.7
										PROGR.	494.	

SOLLECITAZIONI :										PROGR.	494.			
Caso			MZ		MY		MT		N		TZ		TY	
11- 4			-159815.7		-133.8		4477.4		-4.5		0.4		-978.5	
TENSIONI (Sz= 0.00) :														
Caso	ve	No	massimi		Sx		Tz		Ty		τ	tot.	Si	
11- 4	si	4	Sx		-236.0		0.0		4.3		4.3		236.1	
11- 4	si	16			-235.6		24.7		0.0		24.7		239.5	
11- 4	si	5	Tz		-0.3		0.0		35.5		35.5		61.5	
11- 4	si	14	Ty		-236.0		-24.7		0.0		24.7		239.8	
													PROGR.	576.

SOLLECITAZIONI :										PROGR.	578.
Caso	MZ			MY		MT	N		TZ		TY
11- 4	-240357.5			-163.9		4477.4	-4.5		0.4		-978.5
TENSIONI (Sz= 0.00) :											
Caso	ve	No	massimi	Sx		Tz	Ty		τ	tot.	Si
11- 4	si	4	Sx	-354.8		0.0	4.3		4.3		354.9
11- 4	si	16	Tz	-354.4		24.7	0.0		24.7		356.9
11- 4	si	5	Ty	-0.3		0.0	35.5		35.5		61.5
11- 4	si	14	Si	-354.8		-24.7	0.0		24.7		357.4
										PROGR.	658.

SOLLECITAZIONI :										PROGR.	030.
Caso	MZ			MY	MT	N	TZ	TY			
11- 4	-320899.3			-194.2	4477.4	-4.5	0.4	-978.5			
TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si		
11- 4	si	4	Sx	-473.7	0.0	4.3	4.3	473.8			
11- 4	si	16	Tz	-473.1	24.7	0.0	24.7	475.1			
11- 4	si	5	Ty	-0.4	0.0	35.5	35.5	61.5			
11- 4	si	14	Si	-473.7	-24.7	0.0	24.7	475.6			

VERIFICA STABILITA` :

L0 = 658.
 Z LC = 658. Ro = 12.00 lm = 54.9 Ncr= 486060.5 alfa(a)=0.2100 ki=0.8392
 Y LC = 658. Ro = 12.00 lm = 54.9 Ncr= 486060.5 alfa(a)=0.2100 ki=0.8392
 Caso 11- 4 - Nodo 1 - Asse Z
 Ned = -4.5 Mzeq = 242576.7 Myeq = -145.6 Ss = -358.1 (0.106)

CASSONE_S008 (8) stato limite ultimo - ASTA (168- 167) 284
PROGR. 0.

SOLLECITAZIONI :										PROGR.	0.
Caso	MZ	MY	MT	N	TZ	TY					
11- 2	269543.1	222.4	5120.0	-1.5	0.4	-753.9					
TENSIONI (Sz= 0.00) :											
Caso	ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si		
11- 2	si	2	Sx	-397.9	0.0	4.9		4.9	398.0		
11- 2	si	16	Tz	397.3	20.6	0.0		20.6	398.9		
11- 2	si	5	Ty	0.3	0.0	29.0		29.0	50.2		
11- 2	si	15	Si	-397.9	-20.6	0.0		20.6	399.5		
-----										PROGR.	90.

SOLLECITAZIONI :									
Caso	MZ	MY	MT	N	TZ	TY			

Progetto esecutivo

Relazione Tecnica e di Calcolo - Tabulati struttura in progetto

11- 2	201834.2	185.3	5120.0	-1.5	0.4	-753.9
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
11- 2	si	2	Sx	-298.0	0.0	4.9
11- 2	si	16	Tz	297.4	20.6	0.0
11- 2	si	5	Ty	0.3	0.0	29.0
11- 2	si	15	Si	-298.0	-20.6	0.0
						PROGR. 180.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
11- 2	134125.4	148.4	5120.0	-1.5	0.4	-753.9
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
11- 2	si	2	Sx	-198.1	0.0	4.9
11- 2	si	16	Tz	197.6	20.6	0.0
11- 2	si	5	Ty	0.2	0.0	29.0
11- 2	si	15	Si	-198.1	-20.6	0.0
						PROGR. 269.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
11- 2	66416.6	112.1	5120.0	-1.5	0.4	-753.9
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
11- 2	si	2	Sx	-98.2	0.0	4.9
11- 2	si	16	Tz	97.8	20.6	0.0
11- 2	si	5	Ty	0.1	0.0	29.0
11- 2	si	15	Si	-98.1	-20.6	0.0
						PROGR. 359.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
11- 4	-1336.6	75.2	5000.5	-2.7	0.3	-738.6
11- 2	-1310.2	80.3	5120.0	-1.5	0.4	-753.9
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
11- 4	si	3	Sx	-2.1	0.0	4.8
11- 2	si	16	Tz	-2.1	20.6	0.0
11- 2	si	5	Ty	0.1	0.0	29.0
11- 2	si	6	Si	-0.1	0.0	29.0
						PROGR. 449.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
11- 2	-69001.8	32.4	5120.0	-1.5	0.4	-753.9
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
11- 2	si	3	Sx	-101.9	0.0	4.9
11- 2	si	16	Tz	-101.8	20.6	0.0
11- 2	si	5	Ty	0.0	0.0	29.0
						PROGR. 539.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
11- 2	-136710.6	-3.6	5120.0	-1.5	0.4	-753.9
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
11- 2	si	4	Sx	-201.7	0.0	4.9
11- 2	si	16	Tz	-201.7	20.6	0.0
11- 2	si	5	Ty	0.0	0.0	29.0
11- 2	si	14	Si	-201.7	-20.6	0.0
						PROGR. 629.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
11- 2	-204419.5	-40.5	5120.0	-1.5	0.4	-753.9
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
11- 2	si	4	Sx	-301.6	0.0	4.9
11- 2	si	16	Tz	-301.5	20.6	0.0
11- 2	si	5	Ty	-0.1	0.0	29.0
11- 2	si	14	Si	-301.6	-20.6	0.0
						PROGR. 718.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
11- 2	-272128.4	-77.6	5120.0	-1.5	0.4	-753.9
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
11- 2	si	4	Sx	-401.5	0.0	4.9
11- 2	si	16	Tz	-401.3	20.6	0.0
11- 2	si	5	Ty	-0.1	0.0	29.0
11- 2	si	14	Si	-401.5	-20.6	0.0
						PROGR. 718.

VERIFICA STABILITA` :

L0 = 718. |
 Z | Lc = 718. | Ro = 12.00 | lm = 59.9 | Ncr = 408270.8 | alfa(a)=0.2100 | ki=0.8051 |
 Y | Lc = 718. | Ro = 12.00 | lm = 59.9 | Ncr = 408270.8 | alfa(a)=0.2100 | ki=0.8051 |
 Caso 11- 2 - Nodo 3 - Asse Z
 Ned = -1.5 | Mzeq = -204096.3 | Myeq = 166.8 | Ss = -301.3 (0.089)

CASSONE_S008 (8) ----- stato limite ultimo - ASTA (169- 163) 285
 ----- PROGR. 0.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
11- 5	307924.4	-25.2	-1177.4	-4.4	-0.3	-931.8
11-12	-254387.0	73.0	5321.3	2.4	0.4	769.6

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
11- 5	si	1	Sx	-454.3	0.0	1.1	1.1	1.1	454.3
11-12	si	14	Tz	-375.1	21.2	0.0	21.2	21.2	376.9
11- 5	si	5	Ty	-0.1	0.0	30.8	30.8	30.8	53.4
11- 5	si	13	Si	-454.3	20.5	0.0	20.5	20.5	455.7

PROGR. 82.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
11- 5	231222.0	-1.5	-1177.4	-4.4	-0.3	-931.8
11-12	-191038.7	39.7	5321.3	2.4	0.4	769.6

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
11- 5	si	1	Sx	-341.1	0.0	1.1	1.1	1.1	341.1
11-12	si	14	Tz	-281.7	21.2	0.0	21.2	21.2	284.1
11- 5	si	5	Ty	-0.1	0.0	30.8	30.8	30.8	53.4
11- 5	si	13	Si	-341.1	20.5	0.0	20.5	20.5	343.0

PROGR. 165.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
11- 5	154519.6	22.0	-1177.4	-4.4	-0.3	-931.8
11-12	-127690.5	6.7	5321.3	2.4	0.4	769.6

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
11- 5	si	2	Sx	-228.0	0.0	1.1	1.1	1.1	228.0
11-12	si	14	Tz	-188.3	21.2	0.0	21.2	21.2	191.8
11- 5	si	5	Ty	0.0	0.0	30.8	30.8	30.8	53.4
11- 5	si	15	Si	-228.0	-20.5	0.0	20.5	20.5	230.8

PROGR. 247.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
11- 5	77817.3	44.3	-1177.4	-4.4	-0.3	-931.8
11-12	-64342.3	-25.1	5321.3	2.4	0.4	769.6

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
11- 5	si	2	Sx	-114.9	0.0	1.1	1.1	1.1	114.9
11-12	si	14	Tz	-94.9	21.2	0.0	21.2	21.2	101.7
11- 5	si	5	Ty	0.0	0.0	30.8	30.8	30.8	53.4
11- 5	si	15	Si	-114.9	-20.5	0.0	20.5	20.5	120.3

PROGR. 329.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
11- 7	1150.5	80.3	-1326.0	-2.5	-0.4	-908.0
11-12	-1004.7	-67.6	5321.3	2.4	0.4	769.6
11- 5	1125.6	77.2	-1177.4	-4.4	-0.3	-931.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
11- 7	si	2	Sx	-1.9	0.0	1.3	1.3	1.3	2.9
11-12	si	14	Tz	-1.5	21.2	0.0	21.2	21.2	36.7
11- 5	si	5	Ty	0.1	0.0	30.8	30.8	30.8	53.4
11- 5	si	6	Si	-0.2	0.0	30.8	30.8	30.8	53.4

PROGR. 412.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
11- 5	-75587.8	97.2	-1177.4	-4.4	-0.3	-931.8
11-12	62354.5	-97.2	5321.3	2.4	0.4	769.6

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
11- 5	si	3	Sx	-111.7	0.0	1.1	1.1	1.1	111.7
11-12	si	14	Tz	91.9	21.2	0.0	21.2	21.2	98.9
11- 5	si	5	Ty	0.1	0.0	30.8	30.8	30.8	53.4
11- 5	si	16	Si	-111.7	20.5	0.0	20.5	20.5	117.2

PROGR. 494.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
11- 5	-152290.1	120.4	-1177.4	-4.4	-0.3	-931.8
11-12	125702.7	-129.9	5321.3	2.4	0.4	769.6

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
11- 5	si	3	Sx	-224.9	0.0	1.1	1.1	1.1	224.9
11-12	si	14	Tz	185.3	21.2	0.0	21.2	21.2	188.9
11- 5	si	5	Ty	0.1	0.0	30.8	30.8	30.8	53.4
11- 5	si	16	Si	-224.9	20.5	0.0	20.5	20.5	227.7

PROGR. 576.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
11- 5	-228992.4	144.0	-1177.4	-4.4	-0.3	-931.8
11-12	189050.9	-163.1	5321.3	2.4	0.4	769.6

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
11- 5	si	3	Sx	-338.1	0.0	1.1	1.1	1.1	338.1
11-12	si	14	Tz	278.7	21.2	0.0	21.2	21.2	281.1
11- 5	si	5	Ty	0.2	0.0	30.8	30.8	30.8	53.4
11- 5	si	16	Si	-338.0	20.5	0.0	20.5	20.5	339.9

PROGR. 658.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
11- 5	-305694.8	167.8	-1177.4	-4.4	-0.3	-931.8
11-12	252399.2	-196.5	5321.3	2.4	0.4	769.6

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
11- 5	si	3	Sx	-451.2	0.0	1.1	1.1	1.1	451.2

11-12	si	14	Tz	372.1	21.2	0.0	21.2	373.9
11- 5	si	5	Ty	0.2	0.0	30.8	30.8	53.4
11- 5	si	16	Si	-451.2	20.5	0.0	20.5	452.6

VERIFICA STABILITA' :

Z | L0 = 658. |
 Y | Lc = 658. | Ro = 12.00 | lm = 54.9 | Ncr = 486060.5 | alfa(a) = 0.2100 | ki = 0.8392 |
 Y | Lc = 658. | Ro = 12.00 | lm = 54.9 | Ncr = 486060.5 | alfa(a) = 0.2100 | ki = 0.8392 |
 Caso 11- 5 - Nodo 2 - Asse Z
 Ned = -4.4 | Mzeq = 230943.3 | Myeq = 125.8 | Ss = -340.9 (0.101)

CASSONE_S008 (8) stato limite ultimo - ASTA (170- 169) 286
PROGR. 0.

SOLLECITAZIONI :										PROGR.		90.	
Caso	MZ			MY	MT	N	TZ			TY			
11- 7	267888.3			-179.5	-5204.2	-0.7	-0.3			-748.3			
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si				
11- 7	si	1	Sx	-395.4	0.0	5.0		5.0	395.5				
11- 7	si	14	Tz	394.9	-20.6	0.0		20.6	396.5				
11- 7	si	5	Ty	-0.3	0.0	28.9		28.9	50.0				
11- 7	si	13	Si	-395.4	20.6	0.0		20.6	397.0				
-----										PROGR.		90.	

SOLLECITAZIONI :										PROGR.	90.		
Caso			MZ		MY		MT		N		TZ		TY
11- 7			200680.6		-151.9		-5204.2		-0.7		-0.3		-748.3
TENSIONI (Sz= 0.00) :													
Caso	ve	No	massimi		Sx		Tz		Ty		τ tot.		Si
11- 7	si	1	Sx		-296.2		0.0		5.0		5.0		296.4
11- 7	si	14	Tz		295.8		-20.6		0.0		20.6		297.9
11- 7	si	5	Ty		-0.2		0.0		28.9		28.9		50.0
11- 7	si	13	Si		-296.2		20.6		0.0		20.6		298.4
										PROGR.		180.	

SOLLECITAZIONI :										PROGR.	180.		
Caso			MZ		MY		MT		N		TZ		TY
11- 7			133472.9		-124.4		-5204.2		-0.7		-0.3		-748.3
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massimi		Sx		Tz		Ty	τ	tot.		Si
11- 7	si	1	Sx		-197.1		0.0		5.0		5.0		197.3
11- 7	si	14	Tz		196.7		-20.6		0.0		20.6		199.9
11- 7	si	5	Ty		-0.2		0.0		28.9		28.9		50.0
11- 7	si	13	Si		-197.1		20.6		0.0		20.6		200.3
										PROGR.	269.		

SOLLECITAZIONI :										PROGR.	209.		
Caso			MZ		MY		MT		N		TZ		TY
11- 7			66265.2		-97.4		-5204.2		-0.7		-0.3		-748.3
TENSIONI (Sz= 0.00) :													
Caso	ve	No	massimi		Sx		Tz		Ty		τ tot.		Si
11- 7	si	1	Sx		-97.9		0.0		5.0		5.0		98.3
11- 7	si	14	Tz		97.6		-20.6		0.0		20.6		103.9
11- 7	si	5	Ty		-0.2		0.0		28.9		28.9		50.0
11- 7	si	13	Si		-97.9		20.6		0.0		20.6		104.2
										PROGR.	359.		

SOLLECITAZIONI :										PROGR. 555.			
Caso			MZ		MY		MT		N		TZ		TY
11- 5			-985.9		-68.4		-5374.1		-2.0		-0.2		-731.8
11- 7			-953.6		-74.5		-5204.2		-0.7		-0.3		-748.3
TENSIONI (Sz= 0.00) :													
Caso	ve	no	massimi		Sx		Tz		Ty	τ	tot.		Si
11- 5	si	4	Sx		-1.6		0.0		5.2		5.2		9.1
11- 7	si	14	Tz		-1.5		-20.6		0.0		20.6		35.7
11- 7	si	5	TySi		-0.1		0.0		28.9		28.9		50.0
										PROGR. 449.			

SOLLECITAZIONI :										PROGR.		759.	
Caso	MZ			MY	MT	N	TZ	TY					
11- 7	-68150.6			-37.2	-5204.2	-0.7	-0.3	-748.3					
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si				
11- 7	si	4	Sx	-100.6	0.0	5.0		5.0	101.0				
11- 7	si	14	Tz	-100.6	-20.6	0.0		20.6	106.7				
11- 7	si	5	Ty	-0.1	0.0	28.9		28.9	50.0				
-----										PROGR.		539.	

SOLLECITAZIONI :										PROGR. 999.1	
Caso	MZ			MY	MT	N	TZ	TY			
11- 7	-135358.3			-10.7	-5204.2	-0.7	-0.3	-748.3			
TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si		
11- 7	si	4	Sx	-199.7	0.0	5.0		5.0	199.9		
11- 7	si	14	Tz	-199.7	-20.6	0.0		20.6	202.8		
11- 7	si	5	Ty	0.0	0.0	28.9		28.9	50.0		
-----										PROGR. 629.	

SOLLECITAZIONI :												
Caso		MZ		MY		MT		N		TZ		TY
11- 7		-202566.0		16.8		-5204.2		-0.7		-0.3		-748.3
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi	Sx		Tz		Ty		τ	tot.	Si
11- 7	si	3	Sx	-298.8		0.0		5.0		5.0		299.0
11- 7	si	14	Tz	-298.8		-20.6		0.0		20.6		300.9
11- 7	si	5	Ty	0.0		0.0		28.9		28.9		50.0
11- 7	si	16	Si	-298.8		20.6		0.0		20.6		300.9
										PROGR.		
										718.		

SOLLECITAZIONI :

SOLLECITAZIONI			MZ	MY	MT	N	TZ	TY	
Caso	11- 7		-269773.7	44.4	-5204.2	-0.7	-0.3	-748.3	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
11- 7	si	3	Sx	-398.0	0.0	5.0	5.0	398.1	
11- 7	si	14	Tz	-397.9	-20.6	0.0	20.6	399.5	
11- 7	si	5	Ty	0.1	0.0	28.9	28.9	50.0	
11- 7	si	16	Si	-398.0	20.6	0.0	20.6	399.6	

VERIFICA STABILITA' :

Z | L0 = 718. |
 | Lc = 718. | Ro = 12.00 | lm = 59.9 | Ncr = 408270.8 | alfa(a) = 0.2100 | ki = 0.8051 |
 Y | Lc = 718. | Ro = 12.00 | lm = 59.9 | Ncr = 408270.8 | alfa(a) = 0.2100 | ki = 0.8051 |
 Caso 11- 7 - Nodo 4 - Asse Z
 Ned = -0.7 | Mzeq = -202330.3 | Myeq = -134.6 | Ss = -298.7 (0.088)

CASSONE_S008 (8) stato limite ultimo - ASTA (170- 171) 287
 ----- PROGR. 0.

SOLLECITAZIONI :

SOLLECITAZIONI		MZ		MY	MT	N	TZ	TY
Caso								
10- 7			151441.5	159.7	2409.4	1.4	0.3	-317.0
10-12			-143397.1	-182.0	-3004.5	-0.6	-0.4	299.9
10- 5			146915.0	150.6	2820.2	-1.1	0.3	-307.6
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	τ tot.	Si
10- 7	si	4	Sx	223.6	0.0	2.3	2.3	223.7
10-12	si	16	Tz	-211.3	-9.1	0.0	9.1	211.9
10- 5	si	5	Ty	0.2	0.0	12.5	12.5	21.7
10- 7	si	14	Si	223.6	-8.9	0.0	8.9	224.2
-----							PROGR.	120

SOLLECITAZIONI :

SOLLECITAZIONI		M		N		T		S	
Caso		MZ	MY	MT	N	TZ		TY	
10- 7		113518.0	119.5	2409.4	1.4	0.3		-317.0	
10-12		-107525.7	-136.8	-3004.5	-0.6	-0.4		299.9	
10- 5		110116.4	111.4	2820.2	-1.1	0.3		-307.6	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
10- 7	si	4	Sx	167.6	0.0	2.3	2.3	167.7	
10-12	si	16	Tz	-158.4	-9.1	0.0	9.1	159.2	
10- 5	si	5	Ty	0.1	0.0	12.5	12.5	21.7	
10- 7	si	14	Si	167.6	-8.9	0.0	8.9	168.3	
----- PROGR.								239.	

SOLLECITAZIONI :

AZIONI									
Caso	MZ			MY	MT	N	TZ		TY
10- 7	75594.6			79.8	2409.4	1.4	0.3		-317.0
10-12	-71654.3			-91.2	-3004.5	-0.6	-0.4		299.9
10- 5	73317.7			71.7	2820.2	-1.1	0.3		-307.6
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
10- 7	si	4	Sx	111.6	0.0	2.3		2.3	111.7
10-12	si	16	Tz	-105.6	-9.1	0.0		9.1	106.8
10- 5	si	5	Ty	0.1	0.0	12.5		12.5	21.7
10- 7	si	14	Si	111.6	-8.9	0.0		8.9	112.7
----- PROGR.									359

SOLLECITAZIONI :

AZIONI									
Caso	MZ			MY	MT	N	TZ		TY
10- 7	37671.2			40.4	2409.4	1.4	0.3		-317.0
10-12	-35782.9			-45.3	-3004.5	-0.6	-0.4		299.9
10- 5	36519.0			31.7	2820.2	-1.1	0.3		-307.6
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
10- 7	si	4	Sx	55.6	0.0	2.3	2.3	55.8	
10-12	si	16	Tz	-52.7	-9.1	0.0	9.1	55.1	
10- 5	si	5	Ty	0.0	0.0	12.5	12.5	21.7	
10- 7	si	14	Si	55.6	-8.9	0.0	8.9	57.7	
----- PROGR.									478.

SOLLECITAZIONI :

Caso		AZIONI		MZ	MY	MT	N	TZ	TY
10- 6				-279.6	-10.8	683.2	-1.7	0.2	-274.2
10-12				93.8	1.1	-3004.5	-0.6	-0.4	299.9
10- 5				-285.0	-8.8	2820.2	-1.1	0.3	-307.6
TENSIONI		(Sz=		0.00) :					
Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
10- 6	si	4	Sx	-0.5	0.0	0.7	0.7	1.2	
10-12	si	16	Tz	0.1	-9.1	0.0	9.1	15.8	
10- 5	si	5	TySi	0.0	0.0	12.5	12.5	21.7	
-----								PROGR.	598.

SOLLECITAZIONI :

AZIONI									
Caso	MZ			MY	MT	N	TZ		TY
10- 7	-38176.0			-37.5	2409.4	1.4	0.3		-317.0
10-12	35959.5			47.6	-3004.5	-0.6	-0.4		299.9
10- 5	-37078.0			-49.3	2820.2	-1.1	0.3		-307.6
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
10- 7	si	2	Sx	56.4	0.0	2.3	2.3	56.5	
10-12	si	16	Tz	53.0	-9.1	0.0	9.1	55.3	
10- 5	si	5	Ty	-0.1	0.0	12.5	12.5	21.7	
10- 7	si	15	Si	56.4	-8.9	0.0	8.9	58.5	
-----								PROGR.	718.

SOLLECITAZIONI :

Progetto esecutivo

Relazione Tecnica e di Calcolo - Tabulati struttura in progetto

Caso	MZ	MY	MT	N	TZ	TY
10- 7	-76099.4	-76.2	2409.4	1.4	0.3	-317.0
10-12	71831.0	94.2	-3004.5	-0.6	-0.4	299.9
10- 5	-73876.7	-90.0	2820.2	-1.1	0.3	-307.6

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
10- 7	si	2	Sx	112.4	0.0	2.3	2.3	112.5	112.5
10-12	si	16	Tz	105.8	-9.1	0.0	9.1	107.0	107.0
10- 5	si	5	Ty	-0.1	0.0	12.5	12.5	21.7	21.7
10- 7	si	15	Si	112.4	-8.9	0.0	8.9	113.4	113.4

PROGR. 837.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
10- 7	-114022.8	-114.8	2409.4	1.4	0.3	-317.0
10-12	107702.4	141.0	-3004.5	-0.6	-0.4	299.9
10- 5	-110675.3	-130.8	2820.2	-1.1	0.3	-307.6

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
10- 7	si	2	Sx	168.4	0.0	2.3	2.3	168.4	168.4
10-12	si	16	Tz	158.7	-9.1	0.0	9.1	159.4	159.4
10- 5	si	5	Ty	-0.2	0.0	12.5	12.5	21.7	21.7
10- 7	si	15	Si	168.4	-8.9	0.0	8.9	169.1	169.1

PROGR. 957.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
10- 7	-151946.3	-153.3	2409.4	1.4	0.3	-317.0
10-12	143573.8	187.7	-3004.5	-0.6	-0.4	299.9
10- 5	-147474.0	-171.7	2820.2	-1.1	0.3	-307.6

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
10- 7	si	2	Sx	224.4	0.0	2.3	2.3	224.4	224.4
10-12	si	16	Tz	211.5	-9.1	0.0	9.1	212.1	212.1
10- 5	si	5	Ty	-0.3	0.0	12.5	12.5	21.7	21.7
10- 7	si	15	Si	224.4	-8.9	0.0	8.9	224.9	224.9

VERIFICA STABILITA` :

L0 = 957.
 Z | Lc = 957. | Ro = 12.00 | lm = 79.7 | Ncr= 230132.5 | alfa(a)=0.2100 | ki=0.6353 |
 Y | Lc = 957. | Ro = 12.00 | lm = 79.7 | Ncr= 230132.5 | alfa(a)=0.2100 | ki=0.6353 |
 Caso 10-10 - Nodo 1 - Asse Z
 Ned = -3.1 | Mzeq = 111034.5 | Myeq = -143.3 | Ss = -164.1 (0.049)

CASSONE_S008 (8) stato limite ultimo - ASTA (172- 168) 288
 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
10-12	-149469.7	-144.0	-2824.0	1.4	-0.3	302.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
10-12	si	2	Sx	220.7	0.0	2.7	2.7	220.8	220.8
10-12	si	16	Tz	-220.3	-9.0	0.0	9.0	220.8	220.8
10-12	si	5	Ty	-0.2	0.0	-12.4	12.4	21.4	21.4
10-12	si	15	Si	220.7	9.0	0.0	9.0	221.3	221.3

PROGR. 123.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
10-12	-112160.5	-107.8	-2824.0	1.4	-0.3	302.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
10-12	si	2	Sx	165.6	0.0	2.7	2.7	165.7	165.7
10-12	si	16	Tz	-165.3	-9.0	0.0	9.0	166.0	166.0
10-12	si	5	Ty	-0.1	0.0	-12.4	12.4	21.4	21.4
10-12	si	15	Si	165.6	9.0	0.0	9.0	166.4	166.4

PROGR. 246.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
10-12	-74851.2	-71.5	-2824.0	1.4	-0.3	302.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
10-12	si	2	Sx	110.5	0.0	2.7	2.7	110.6	110.6
10-12	si	16	Tz	-110.3	-9.0	0.0	9.0	111.4	111.4
10-12	si	5	Ty	-0.1	0.0	-12.4	12.4	21.4	21.4
10-12	si	15	Si	110.5	9.0	0.0	9.0	111.6	111.6

PROGR. 370.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
10-12	-37542.0	-35.2	-2824.0	1.4	-0.3	302.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
10-12	si	2	Sx	55.4	0.0	2.7	2.7	55.6	55.6
10-12	si	16	Tz	-55.3	-9.0	0.0	9.0	57.5	57.5
10-12	si	5	Ty	0.0	0.0	-12.4	12.4	21.4	21.4
10-12	si	15	Si	55.4	9.0	0.0	9.0	57.6	57.6

PROGR. 493.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
10- 9	-259.4	-11.5	-284.3	-1.3	-0.2	261.1
10-12	-228.3	1.2	-2824.0	1.4	-0.3	302.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
10- 9	si	4	Sx	-0.4	0.0	0.3	0.3	0.6	0.6

10-12	si	16	Tz	-0.3	-9.0	0.0	9.0	15.6
10-12	si	5	Ty	0.0	0.0	-12.4	12.4	21.4
-----								616.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
10-12	37076.8	37.9	-2824.0	1.4	-0.3	302.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ tot.	Si
10-12	si	4	Sx	54.8	0.0	2.7	2.7	55.0
10-12	si	16	Tz	54.7	-9.0	0.0	9.0	56.9
10-12	si	5	Ty	0.1	0.0	-12.4	12.4	21.4
10-12	si	14	Si	54.8	9.0	0.0	9.0	56.9
-----								740.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
10-12	74386.0	74.6	-2824.0	1.4	-0.3	302.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ tot.	Si
10-12	si	4	Sx	109.9	0.0	2.7	2.7	110.0
10-12	si	16	Tz	109.6	-9.0	0.0	9.0	110.7
10-12	si	5	Ty	0.1	0.0	-12.4	12.4	21.4
10-12	si	14	Si	109.8	9.0	0.0	9.0	111.0
-----								863.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
10-12	111695.2	111.5	-2824.0	1.4	-0.3	302.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ tot.	Si
10-12	si	4	Sx	164.9	0.0	2.7	2.7	165.0
10-12	si	16	Tz	164.6	-9.0	0.0	9.0	165.4
10-12	si	5	Ty	0.2	0.0	-12.4	12.4	21.4
10-12	si	14	Si	164.9	9.0	0.0	9.0	165.7
-----								986.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
10-12	149004.5	148.7	-2824.0	1.4	-0.3	302.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ tot.	Si
10-12	si	4	Sx	220.0	0.0	2.7	2.7	220.1
10-12	si	16	Tz	219.6	-9.0	0.0	9.0	220.2
10-12	si	5	Ty	0.2	0.0	-12.4	12.4	21.4
10-12	si	14	Si	220.0	9.0	0.0	9.0	220.6

VERIFICA STABILITA` :

Z | L0 = 986. |
 Y | Lc = 986. | Ro = 12.00 | lm = 82.1 | Ncr = 216794.4 | alfa(a) = 0.2100 | ki = 0.6133 |
 Caso 10-10 - Nodo 4 - Asse Z
 Ned = -0.7 | Mzeq = -108515.5 | Myeq = -118.1 | Ss = -160.3 (0.047)

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 ----- PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
10-15	-195720.1	2546.0	2648.3	-4.0	6.0	462.2
10-13	-186006.9	2964.3	3128.8	-2.4	7.0	439.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ tot.	Si
10-15	si	3	Sx	-292.5	0.0	2.6	2.6	292.5
10-13	si	14	Tz	-270.2	12.3	0.0	12.3	271.0
10-15	si	5	Ty	3.7	0.0	-17.3	17.3	30.2
10-15	si	16	Si	-292.4	-12.0	0.0	12.0	293.1
-----								106.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
10-15	-146815.0	1910.4	2648.3	-4.0	6.0	462.2
10-13	-139526.3	2224.2	3128.8	-2.4	7.0	439.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ tot.	Si
10-15	si	3	Sx	-219.4	0.0	2.6	2.6	219.5
10-13	si	14	Tz	-202.7	12.3	0.0	12.3	203.8
10-15	si	5	Ty	2.8	0.0	-17.3	17.3	30.1
10-15	si	16	Si	-219.3	-12.0	0.0	12.0	220.3
-----								212.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
10-15	-97909.9	1274.9	2648.3	-4.0	6.0	462.2
10-13	-93045.8	1484.1	3128.8	-2.4	7.0	439.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ tot.	Si
10-15	si	3	Sx	-146.4	0.0	2.6	2.6	146.4
10-13	si	14	Tz	-135.2	12.3	0.0	12.3	136.9
10-15	si	5	Ty	1.8	0.0	-17.3	17.3	30.0
10-15	si	16	Si	-146.3	-12.0	0.0	12.0	147.8
-----								317.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
10-15	-49004.8	639.2	2648.3	-4.0	6.0	462.2
10-13	-46565.3	744.1	3128.8	-2.4	7.0	439.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ tot.	Si

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10-15	si	3	Sx	-73.3	0.0	2.6	2.6	73.4
10-13	si	14	Tz	-67.7	12.3	0.0	12.3	70.9
10-15	si	5	Ty	0.9	0.0	-17.3	17.3	30.0
10-15	si	16	Si	-73.2	-12.0	0.0	12.0	76.2
-----								423.

SOLLECITAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
10- 2			389.9	-6.6	-2838.4	3.0	-6.0	-430.1
10-13			-90.6	0.2	3128.8	-2.4	7.0	439.3
10-15			-106.7	7.1	2648.3	-4.0	6.0	462.2

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	τ tot.	Si
10- 2	si	3	Sx	0.6	0.0	2.7	2.7	4.8
10-13	si	14	Tz	-0.2	12.3	0.0	12.3	21.3
10-15	si	5	Ty	0.0	0.0	-17.3	17.3	29.9
10-15	si	6	Si	-0.1	0.0	-17.3	17.3	29.9
-----								529.

SOLLECITAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
10-15			48805.5	-631.7	2648.3	-4.0	6.0	462.2
10-13			46395.8	-736.4	3128.8	-2.4	7.0	439.3

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	τ tot.	Si
10-15	si	1	Sx	-73.0	0.0	2.6	2.6	73.1
10-13	si	14	Tz	67.4	12.3	0.0	12.3	70.7
10-15	si	5	Ty	-1.0	0.0	-17.3	17.3	30.0
10-15	si	13	Si	-72.9	-12.0	0.0	12.0	75.9
-----								635.

SOLLECITAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
10-15			97710.6	-1267.3	2648.3	-4.0	6.0	462.2
10-13			92876.3	-1476.4	3128.8	-2.4	7.0	439.3

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	τ tot.	Si
10-15	si	1	Sx	-146.1	0.0	2.6	2.6	146.1
10-13	si	14	Tz	134.9	12.3	0.0	12.3	136.5
10-15	si	5	Ty	-1.9	0.0	-17.3	17.3	30.0
10-15	si	13	Si	-146.0	-12.0	0.0	12.0	147.5
-----								741.

SOLLECITAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
10-15			146615.7	-1902.9	2648.3	-4.0	6.0	462.2
10-13			139356.8	-2216.5	3128.8	-2.4	7.0	439.3

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	τ tot.	Si
10-15	si	1	Sx	-219.1	0.0	2.6	2.6	219.2
10-13	si	14	Tz	202.4	12.3	0.0	12.3	203.5
10-15	si	5	Ty	-2.9	0.0	-17.3	17.3	30.1
10-15	si	13	Si	-219.0	-12.0	0.0	12.0	220.0
-----								846.

SOLLECITAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
10-15			195520.8	-2538.4	2648.3	-4.0	6.0	462.2
10-13			185837.3	-2956.6	3128.8	-2.4	7.0	439.3

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	τ tot.	Si
10-15	si	1	Sx	-292.2	0.0	2.6	2.6	292.2
10-13	si	14	Tz	269.9	12.3	0.0	12.3	270.7
10-15	si	5	Ty	-3.8	0.0	-17.3	17.3	30.2
10-15	si	13	Si	-292.1	-12.0	0.0	12.0	292.8

VERIFICA STABILITA` :

L0 = 846.
 Z | Lc = 846. | Ro = 12.00 | lm = 70.5 | Ncr= 294135.8 | alfa(a)=0.2100 | ki=0.7187
 Y | Lc = 846. | Ro = 12.00 | lm = 70.5 | Ncr= 294135.8 | alfa(a)=0.2100 | ki=0.7187
 Caso 10-15 - Nodo 3 - Asse Z
 Ned = -4.0 | Mzeq = -146790.1 | Myeq = 1909.5 | Ss = -219.4 (0.065)

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 ----- PROGR. 0.

SOLLECITAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
10- 4			233529.3	-3574.3	-3211.6	-0.1	-10.2	-668.8

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	τ tot.	Si
10- 4	si	1	Sx	-349.7	0.0	3.1	3.1	349.8
10- 4	si	14	Tz	339.4	-17.2	0.0	17.2	340.7
10- 4	si	5	Ty	-5.3	0.0	24.4	24.4	42.6
10- 4	si	13	Si	-349.5	16.8	0.0	16.8	350.7
-----								87.

SOLLECITAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
10- 4			175135.8	-2680.4	-3211.6	-0.1	-10.2	-668.8

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	τ tot.	Si
10- 4	si	1	Sx	-262.3	0.0	3.1	3.1	262.3
10- 4	si	14	Tz	254.5	-17.2	0.0	17.2	256.3
10- 4	si	5	Ty	-4.0	0.0	24.4	24.4	42.5
10- 4	si	13	Si	-262.1	16.8	0.0	16.8	263.7
-----								175.

SOLLECITAZIONI :

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Caso	MZ	MY	MT	N	TZ	TY			
10- 4	116742.3	-1786.5	-3211.6	-0.1	-10.2	-668.8			
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
10- 4	si	1	Sx	-174.8	0.0	3.1	3.1	174.9	
10- 4	si	14	Tz	169.7	-17.2	0.0	17.2	172.3	
10- 4	si	5	Ty	-2.6	0.0	24.4	24.4	42.4	
10- 4	si	13	Si	-174.7	16.8	0.0	16.8	177.1	
-----							PROGR.	262.	

SOLLECITAZIONI :												
Caso		MZ		MY		MT		N		TZ		TY
10- 4		58348.9		-892.6		-3211.6		-0.1		-10.2		-668.8
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi	Sx		Tz		Ty		τ	tot.	Si
10- 4	si	1	Sx	-87.4		0.0		3.1		3.1		87.5
10- 4	si	14	Tz	84.8		-17.2		0.0		17.2		89.9
10- 4	si	5	Ty	-1.3		0.0		24.4		24.4		42.3
10- 4	si	13	Si	-87.3		16.8		0.0		16.8		92.1
										----- PROGR.		
										349.		

SOLLECITAZIONI :										PROGR.		343.	
Caso			MZ		MY		MT		N		TZ		TY
11- 5			-51.3		1.0		-3615.3		2.5		-11.5		-272.9
10- 4			-36.8		1.7		-3211.6		-0.1		-10.2		-668.8
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massimi		Sx		Tz		Ty		τ	tot.	Si
11- 5	si	1	Sx		0.1		0.0		3.5		3.5		6.0
10- 4	si	14	Tz		-0.1		-17.2		0.0		17.2		29.9
10- 4	si	5	Ty		0.0		0.0		24.4		24.4		42.3
10- 4	si	6	Si		0.0		0.0		24.4		24.4		42.3
										PROGR.		437.	

SOLLECITAZIONI :										PROGR.	457.7
Caso	MZ	MY	MT	N	TZ	TY					
10- 4	-58438.2	895.2	-3211.6	-0.1	-10.2	-668.8					
TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si		
10- 4	si	3	Sx	-87.5	0.0	3.1		3.1	87.7		
10- 4	si	14	Tz	-84.9	-17.2	0.0		17.2	90.0		
10- 4	si	5	Ty	1.3	0.0	24.4		24.4	42.3		
10- 4	si	16	Si	-87.5	16.8	0.0		16.8	92.2		
-----										PROGR.	524.7

SOLLECITAZIONI :										PROGR.	524.
Caso	MZ	MY	MT	N	TZ	TY					
10- 4	-116831.6	1789.1	-3211.6	-0.1	-10.2	-668.8					
TENSIONI (Sz= 0.00) :											
Caso	ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si		
10- 4	si	3	Sx	-175.0	0.0	3.1	3.1	175.1			
10- 4	si	14	Tz	-169.8	-17.2	0.0	17.2	172.4			
10- 4	si	5	Ty	2.6	0.0	24.4	24.4	42.4			
10- 4	si	16	Si	-174.9	16.8	0.0	16.8	177.3			
-----										PROGR.	611.

SOLLECITAZIONI :										PROGR.		698.	
Caso	MZ	MY	MT	N	TZ	TY							
10- 4	-175225.1	2682.9	-3211.6	-0.1	-10.2	-668.8							
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si				
10- 4	si	3	Sx	-262.4	0.0	3.1		3.1	262.5				
10- 4	si	14	Tz	-254.7	-17.2	0.0		17.2	256.4				
10- 4	si	5	Ty	4.0	0.0	24.4		24.4	42.5				
10- 4	si	16	Si	-262.3	16.8	0.0		16.8	263.9				
-----										PROGR.		698.	

SOLLECITAZIONI :										PROGR.		0501	
Caso	MZ			MY	MT	N	TZ	TY					
10- 4	-233618.6			3576.8	-3211.6	-0.1	-10.2	-668.8					
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si				
10- 4	si	3	Sx	-349.9	0.0	3.1		3.1	349.9				
10- 4	si	14	Tz	-339.5	-17.2	0.0		17.2	340.8				
10- 4	si	5	Ty	5.3	0.0	24.4		24.4	42.6				
10- 4	si	16	Si	-349.7	16.8	0.0		16.8	350.9				

VERIFICA STABILITA` :

L0 = 698.
 Z | Lc = 698. | Ro = 12.00 | lm = 58.2 | Ncr = 431985.4 | alfa(a) = 0.2100 | ki = 0.8170 |
 Y | Lc = 698. | Ro = 12.00 | lm = 58.2 | Ncr = 431985.4 | alfa(a) = 0.2100 | ki = 0.8170 |
 Caso 10- 4 - Nodo 3 - Asse Z
 Ned = -0.1 | Mzeq = -175213.9 | Myeq = 2682.6 | Ss = -262.4 (0.078)

CASSONE_S008 (8) stato limite ultimo - ASTA (189- 190) 324
 PROGR. 0.

SOLLECITAZIONI :										PROGR.		156.	
Caso		MZ		MY		MT		N		TZ		TY	
10- 4		138486.6		-2032.1		-3174.2		-2.7		-3.3		-222.5	
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massimi	Sx		Tz		Ty		τ	tot.		Si
10- 4	si	1	Sx	-207.3		0.0		3.1		3.1		207.4	
10- 4	si	14	Tz	201.4		-7.8		0.0		7.8		201.8	
10- 4	si	5	Ty	-3.0		0.0		10.2		10.2		17.8	
10- 4	si	13	Si	-207.2		7.6		0.0		7.6		207.6	
-----										PROGR.		156.	

SOLLECITAZIONI :							PROGR.	190.
Caso	MZ	MY	MT	N	TZ	TY		

Progetto esecutivo

Relazione Tecnica e di Calcolo - Tabulati struttura in progetto

10- 4			103856.8	-1523.4	-3174.2	-2.7	-3.3	-222.5
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	τ tot.	Si
10- 4	si	1	Sx	-155.5	0.0	3.1	3.1	155.6
10- 4	si	14	Tz	151.0	-7.8	0.0	7.8	151.6
10- 4	si	5	Ty	-2.3	0.0	10.2	10.2	17.7
10- 4	si	13	Si	-155.4	7.6	0.0	7.6	155.9
----- PROGR. 311.								

SOLLECITAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
10- 4			69227.0	-1014.8	-3174.2	-2.7	-3.3	-222.5
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	τ tot.	Si
10- 4	si	1	Sx	-103.6	0.0	3.1	3.1	103.8
10- 4	si	14	Tz	100.6	-7.8	0.0	7.8	101.5
10- 4	si	5	Ty	-1.5	0.0	10.2	10.2	17.7
10- 4	si	13	Si	-103.6	7.6	0.0	7.6	104.4
----- PROGR. 467.								

SOLLECITAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
10- 4			34597.3	-506.1	-3174.2	-2.7	-3.3	-222.5
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	τ tot.	Si
10- 4	si	1	Sx	-51.8	0.0	3.1	3.1	52.1
10- 4	si	14	Tz	50.3	-7.8	0.0	7.8	52.0
10- 4	si	5	Ty	-0.8	0.0	10.2	10.2	17.6
10- 4	si	13	Si	-51.8	7.6	0.0	7.6	53.4
----- PROGR. 622.								

SOLLECITAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
10-13			297.0	-4.2	3254.2	1.6	3.3	207.7
10- 4			-37.4	3.8	-3174.2	-2.7	-3.3	-222.5
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	τ tot.	Si
10-13	si	3	Sx	0.5	0.0	3.1	3.1	5.5
10- 4	si	14	Tz	-0.1	-7.8	0.0	7.8	13.4
10- 4	si	5	Ty	0.0	0.0	10.2	10.2	17.6
10- 4	si	6	Si	0.0	0.0	10.2	10.2	17.6
----- PROGR. 778.								

SOLLECITAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
10- 4			-34662.4	511.4	-3174.2	-2.7	-3.3	-222.5
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	τ tot.	Si
10- 4	si	3	Sx	-51.9	0.0	3.1	3.1	52.2
10- 4	si	14	Tz	-50.4	-7.8	0.0	7.8	52.2
10- 4	si	5	Ty	0.7	0.0	10.2	10.2	17.6
10- 4	si	16	Si	-51.9	7.6	0.0	7.6	53.5
----- PROGR. 934.								

SOLLECITAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
10- 4			-69292.1	1020.0	-3174.2	-2.7	-3.3	-222.5
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	τ tot.	Si
10- 4	si	3	Sx	-103.8	0.0	3.1	3.1	103.9
10- 4	si	14	Tz	-100.8	-7.8	0.0	7.8	101.7
10- 4	si	5	Ty	1.5	0.0	10.2	10.2	17.6
10- 4	si	16	Si	-103.7	7.6	0.0	7.6	104.5
----- PROGR. 1089.								

SOLLECITAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
10- 4			-103921.9	1528.7	-3174.2	-2.7	-3.3	-222.5
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	τ tot.	Si
10- 4	si	3	Sx	-155.6	0.0	3.1	3.1	155.7
10- 4	si	14	Tz	-151.2	-7.8	0.0	7.8	151.8
10- 4	si	5	Ty	2.2	0.0	10.2	10.2	17.7
10- 4	si	16	Si	-155.5	7.6	0.0	7.6	156.1
----- PROGR. 1245.								

SOLLECITAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
10- 4			-138551.7	2037.4	-3174.2	-2.7	-3.3	-222.5
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	τ tot.	Si
10- 4	si	3	Sx	-207.4	0.0	3.1	3.1	207.5
10- 4	si	14	Tz	-201.5	-7.8	0.0	7.8	202.0
10- 4	si	5	Ty	3.0	0.0	10.2	10.2	17.8
10- 4	si	16	Si	-207.3	7.6	0.0	7.6	207.7

VERIFICA STABILITA` :

L0 = 1245. |
 Lc = 1245. | Ro = 12.00 | lm = 103.7 | Ncr= 135976.3 | alfa(a)=0.2100 | ki=0.4394 |
 Y | Lc = 1245. | Ro = 12.00 | lm = 103.7 | Ncr= 135976.3 | alfa(a)=0.2100 | ki=0.4394 |
 Caso 10- 4 - Nodo 3 - Asse Z
 Ned = -2.7 | Mzeq = -103913.8 | Myeq = 1528.0 | Ss = -155.6 (0.046)

CASSONE_S008 (8) ----- stato limite ultimo - ASTA (191- 187) 328
 ----- PROGR. 0.

SOLLECITAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
11- 5			321009.8	-2932.1	1509.2	-6.9	-9.9	-976.7

Progetto esecutivo

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11-12			-270886.1	2941.6	9985.0	6.7	10.0	824.0
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	τ tot.	Si
11- 5	si	1	Sx	-477.9	0.0	1.5	1.5	477.9
11-12	si	14	Tz	-395.3	27.0	0.0	27.0	398.1
11-12	si	5	Ty	4.4	0.0	-35.9	35.9	62.3
11- 5	si	13	Si	-477.8	21.6	0.0	21.6	479.2
								82.
SOLLECITAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
11- 5			240612.6	-2113.3	1509.2	-6.9	-9.9	-976.7
11-12			-203065.0	2120.8	9985.0	6.7	10.0	824.0
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	τ tot.	Si
11- 5	si	1	Sx	-358.1	0.0	1.5	1.5	358.1
11-12	si	14	Tz	-296.4	27.0	0.0	27.0	300.1
11-12	si	5	Ty	3.2	0.0	-35.9	35.9	62.3
11- 5	si	13	Si	-358.0	21.6	0.0	21.6	360.0
								165.
SOLLECITAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
11- 5			160215.7	-1294.4	1509.2	-6.9	-9.9	-976.7
11-12			-135244.3	1300.0	9985.0	6.7	10.0	824.0
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	τ tot.	Si
11- 5	si	1	Sx	-238.3	0.0	1.5	1.5	238.3
11-12	si	14	Tz	-197.6	27.0	0.0	27.0	203.0
11-12	si	5	Ty	2.0	0.0	-35.9	35.9	62.2
11- 5	si	13	Si	-238.3	21.6	0.0	21.6	241.2
								247.
SOLLECITAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
11- 5			79820.2	-475.5	1509.2	-6.9	-9.9	-976.7
11-12			-67425.1	479.2	9985.0	6.7	10.0	824.0
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	τ tot.	Si
11- 5	si	1	Sx	-118.5	0.0	1.5	1.5	118.6
11-12	si	14	Tz	-98.7	27.0	0.0	27.0	109.2
11-12	si	5	Ty	0.8	0.0	-35.9	35.9	62.2
11- 5	si	13	Si	-118.5	21.6	0.0	21.6	124.3
								329.
SOLLECITAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
11- 5			-1001.8	342.7	1509.2	-6.9	-9.9	-976.7
11-12			820.7	-340.9	9985.0	6.7	10.0	824.0
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	τ tot.	Si
11- 5	si	3	Sx	-2.1	0.0	1.5	1.5	3.3
11-12	si	14	Tz	0.8	27.0	0.0	27.0	46.8
11-12	si	5	Ty	-0.4	0.0	-35.9	35.9	62.2
11-12	si	6	Si	0.6	0.0	-35.9	35.9	62.2
								412.
SOLLECITAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
11- 5			-80983.7	1161.8	1509.2	-6.9	-9.9	-976.7
11-12			68226.4	-1161.9	9985.0	6.7	10.0	824.0
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	τ tot.	Si
11- 5	si	3	Sx	-121.3	0.0	1.5	1.5	121.3
11-12	si	14	Tz	99.1	27.0	0.0	27.0	109.6
11-12	si	5	Ty	-1.6	0.0	-35.9	35.9	62.2
11- 5	si	16	Si	-121.2	21.6	0.0	21.6	126.8
								494.
SOLLECITAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
11- 5			-161379.2	1980.6	1509.2	-6.9	-9.9	-976.7
11-12			136045.7	-1982.7	9985.0	6.7	10.0	824.0
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	τ tot.	Si
11- 5	si	3	Sx	-241.1	0.0	1.5	1.5	241.1
11-12	si	14	Tz	198.0	27.0	0.0	27.0	203.4
11-12	si	5	Ty	-2.8	0.0	-35.9	35.9	62.2
11- 5	si	16	Si	-240.9	21.6	0.0	21.6	243.8
								576.
SOLLECITAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
11- 5			-241776.1	2799.4	1509.2	-6.9	-9.9	-976.7
11-12			203866.4	-2803.5	9985.0	6.7	10.0	824.0
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	τ tot.	Si
11- 5	si	3	Sx	-360.9	0.0	1.5	1.5	360.9
11-12	si	14	Tz	296.8	27.0	0.0	27.0	300.5
11-12	si	5	Ty	-4.0	0.0	-35.9	35.9	62.3
11- 5	si	16	Si	-360.7	21.6	0.0	21.6	362.6
								658.
SOLLECITAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
11- 5			-322173.4	3618.2	1509.2	-6.9	-9.9	-976.7
11-12			271687.4	-3624.2	9985.0	6.7	10.0	824.0
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	τ tot.	Si
11- 5	si	3	Sx	-480.7	0.0	1.5	1.5	480.7

11-12	si	14	Tz	395.7	27.0	0.0	27.0	398.5
11-12	si	5	Ty	-5.3	0.0	-35.9	35.9	62.4
11- 5	si	16	Si	-480.4	21.6	0.0	21.6	481.9

VERIFICA STABILITA' :

Z | L0 = 658. |
 Y | Lc = 658. | Ro = 12.00 | lm = 54.9 | Ncr = 486060.5 | alfa(a) = 0.2100 | ki = 0.8392 |
 Caso 11- 5 - Nodo 3 - Asse Z
 Ned = -6.9 | Mzeq = -241630.0 | Myeq = 2713.7 | Ss = -360.5 (0.107)

CASSONE_S008 (8) stato limite ultimo - ASTA (192- 191) 330
PROGR. 0.

SOLLECITAZIONI :												PROGR.	90.
Caso		MZ		MY		MT		N		TZ		TY	
11- 7		282110.9		-3204.7		-9639.1		1.4		-8.1		-783.3	
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massimi	Sx		Tz		Ty		τ	tot.	Si	
11- 7	si	3	Sx	420.9		0.0		9.3		9.3		421.2	
11- 7	si	14	Tz	411.6		-25.8		0.0		25.8		414.0	
11- 7	si	5	Ty	-4.7		0.0		34.3		34.3		59.5	
11- 7	si	16	Si	420.7		25.4		0.0		25.4		423.0	
-----												PROGR.	90.

SOLLECITAZIONI :												
Caso		MZ		MY		MT		N		TZ		TY
11- 7		211764.3		-2475.9		-9639.1		1.4		-8.1		-783.3
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi	Sx		Tz		Ty		τ	tot.	Si
11- 7	si	3	Sx	316.0		0.0		9.3		9.3		316.4
11- 7	si	14	Tz	308.9		-25.8		0.0		25.8		312.1
11- 7	si	5	Ty	-3.6		0.0		34.3		34.3		59.5
11- 7	si	16	Si	315.9		25.4		0.0		25.4		318.9
PROGR. 180.												

SOLLECITAZIONI :												
Caso		MZ		MY		MT		N		TZ		TY
11- 7		141418.1		-1747.0		-9639.1		1.4		-8.1		-783.3
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi	Sx		Tz		Ty		τ	tot.	Si
11- 7	si	3	Sx	211.2		0.0		9.3		9.3		211.8
11- 7	si	14	Tz	206.1		-25.8		0.0		25.8		210.9
11- 7	si	5	Ty	-2.6		0.0		34.3		34.3		59.4
11- 7	si	16	Si	211.1		25.4		0.0		25.4		215.6
PROGR. 269.												

SOLLECITAZIONI :												
Caso		MZ		MY		MT		N		TZ		TY
11- 7		71073.0		-1026.4		-9639.1		1.4		-8.1		-783.3
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi	Sx		Tz		Ty		τ	tot.	Si
11- 7	si	3	Sx	106.4		0.0		9.3		9.3		107.6
11- 7	si	14	Tz	103.4		-25.8		0.0		25.8		112.6
11- 7	si	5	Ty	-1.5		0.0		34.3		34.3		59.4
11- 7	si	16	Si	106.3		25.4		0.0		25.4		115.1
PROGR. 359.												

SOLLECITAZIONI :												
Caso		MZ		MY		MT		N		TZ		TY
11- 7		1105.0		-289.5		-9639.1		1.4		-8.1		-783.3
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi	Sx		Tz		Ty		τ	tot.	Si
11- 7	si	3	Sx	2.1		0.0		9.3		9.3		16.2
11- 7	si	14	Tz	1.2		-25.8		0.0		25.8		44.7
11- 7	si	5	Ty	-0.4		0.0		34.3		34.3		59.3
11- 7	si	6	Si	0.4		0.0		34.3		34.3		59.3
PROGR. 449.												

SOLLECITAZIONI :												
Caso		MZ		MY		MT		N		TZ		TY
11- 7		-69628.2		438.7		-9639.1		1.4		-8.1		-783.3
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi	Sx		Tz		Ty		τ	tot.	Si
11- 7	si	1	Sx	103.4		0.0		9.3		9.3		104.6
11- 7	si	14	Tz	-102.1		-25.8		0.0		25.8		111.4
11- 7	si	5	Ty	0.7		0.0		34.3		34.3		59.3
11- 7	si	13	Si	103.3		25.4		0.0		25.4		112.3
PROGR. 539.												

SOLLECITAZIONI :												
Caso		MZ		MY		MT		N		TZ		TY
11- 7		-139973.2		1167.8		-9639.1		1.4		-8.1		-783.3
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi	Sx		Tz		Ty		τ	tot.	Si
11- 7	si	1	Sx	208.2		0.0		9.3		9.3		208.8
11- 7	si	14	Tz	-204.8		-25.8		0.0		25.8		209.6
11- 7	si	5	Ty	1.7		0.0		34.3		34.3		59.4
11- 7	si	13	Si	208.1		25.4		0.0		25.4		212.7
PROGR. 629.												

SOLLECITAZIONI :												
Caso		MZ		MY		MT		N		TZ		TY
11- 7		-210319.4		1896.7		-9639.1		1.4		-8.1		-783.3
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi	Sx		Tz		Ty		τ	tot.	Si
11- 7	si	1	Sx	313.0		0.0		9.3		9.3		313.5
11- 7	si	14	Tz	-307.5		-25.8		0.0		25.8		310.8
11- 7	si	5	Ty	2.8		0.0		34.3		34.3		59.4

11- 7 si 13	Si	312.9	25.4	0.0	25.4	316.0
-----						718.
SOLLECITAZIONI :						PROGR.
Caso	MZ	MY	MT	N	TZ	TY
11- 7	-280665.9	2625.5	-9639.1	1.4	-8.1	-783.3
TENSIONI (Sz= 0.00) :						
Caso	Ve No massimi	Sx	Tz	Ty	τ tot.	Si
11- 7 si 1	Sx	417.9	0.0	9.3	9.3	418.2
11- 7 si 14	Tz	-410.3	-25.8	0.0	25.8	412.7
11- 7 si 5	Ty	3.9	0.0	34.3	34.3	59.5
11- 7 si 13	Si	417.7	25.4	0.0	25.4	420.0

VERIFICA STABILITA` :

L0 = 718.
 Z | Lc = 718. | Ro = 12.00 | lm = 59.9 | Ncr = 408270.8 | alfa(a) = 0.2100 | ki = 0.8051 |
 Y | Lc = 718. | Ro = 12.00 | lm = 59.9 | Ncr = 408270.8 | alfa(a) = 0.2100 | ki = 0.8051 |
 Caso 11-10 - Nodo 3 - Asse Z
 Ned = -1.7 | Mzeq = -203456.3 | Myeq = 2390.5 | Ss = -303.7 (0.090)

CASSONE_S008 (8) stato limite ultimo - ASTA (192- 193) 332

SOLLECITAZIONI :						PROGR.
Caso	MZ	MY	MT	N	TZ	TY
10- 7	163501.5	2132.7	2602.9	2.6	4.3	-340.6
10- 5	158865.1	2492.7	3078.4	1.0	5.0	-331.0
TENSIONI (Sz= 0.00) :						
Caso	Ve No massimi	Sx	Tz	Ty	τ tot.	Si
10- 7 si 4	Sx	244.4	0.0	2.5	2.5	244.4
10- 5 si 16	Tz	230.8	10.0	0.0	10.0	231.5
10- 5 si 5	Ty	3.7	0.0	13.5	13.5	23.7
10- 7 si 14	Si	244.2	-9.5	0.0	9.5	244.8
-----						120.

SOLLECITAZIONI :						PROGR.
Caso	MZ	MY	MT	N	TZ	TY
10- 7	122751.5	1599.5	2602.9	2.6	4.3	-340.6
10- 5	119266.7	1869.5	3078.4	1.0	5.0	-331.0
TENSIONI (Sz= 0.00) :						
Caso	Ve No massimi	Sx	Tz	Ty	τ tot.	Si
10- 7 si 4	Sx	183.5	0.0	2.5	2.5	183.5
10- 5 si 16	Tz	173.3	10.0	0.0	10.0	174.1
10- 5 si 5	Ty	2.8	0.0	13.5	13.5	23.6
10- 7 si 14	Si	183.4	-9.5	0.0	9.5	184.1
-----						239.

SOLLECITAZIONI :						PROGR.
Caso	MZ	MY	MT	N	TZ	TY
10- 7	82001.4	1066.4	2602.9	2.6	4.3	-340.6
10- 5	79668.2	1246.3	3078.4	1.0	5.0	-331.0
TENSIONI (Sz= 0.00) :						
Caso	Ve No massimi	Sx	Tz	Ty	τ tot.	Si
10- 7 si 4	Sx	122.6	0.0	2.5	2.5	122.6
10- 5 si 16	Tz	115.8	10.0	0.0	10.0	117.0
10- 5 si 5	Ty	1.9	0.0	13.5	13.5	23.5
10- 7 si 14	Si	122.5	-9.5	0.0	9.5	123.6
-----						359.

SOLLECITAZIONI :						PROGR.
Caso	MZ	MY	MT	N	TZ	TY
10- 7	41251.4	533.2	2602.9	2.6	4.3	-340.6
10- 5	40069.7	623.1	3078.4	1.0	5.0	-331.0
TENSIONI (Sz= 0.00) :						
Caso	Ve No massimi	Sx	Tz	Ty	τ tot.	Si
10- 7 si 4	Sx	61.7	0.0	2.5	2.5	61.8
10- 5 si 16	Tz	58.2	10.0	0.0	10.0	60.7
10- 5 si 5	Ty	0.9	0.0	13.5	13.5	23.4
10- 7 si 14	Si	61.6	-9.5	0.0	9.5	63.8
-----						478.

SOLLECITAZIONI :						PROGR.
Caso	MZ	MY	MT	N	TZ	TY
10- 7	507.0	6.4	2602.9	2.6	4.3	-340.6
10- 5	466.6	-0.8	3078.4	1.0	5.0	-331.0
TENSIONI (Sz= 0.00) :						
Caso	Ve No massimi	Sx	Tz	Ty	τ tot.	Si
10- 7 si 4	Sx	0.8	0.0	2.5	2.5	4.4
10- 5 si 16	Tz	0.7	10.0	0.0	10.0	17.3
10- 5 si 5	Ty	0.0	0.0	13.5	13.5	23.4
10- 5 si 6	Si	0.0	0.0	13.5	13.5	23.4
-----						598.

SOLLECITAZIONI :						PROGR.
Caso	MZ	MY	MT	N	TZ	TY
10- 7	-40249.2	-510.2	2602.9	2.6	4.3	-340.6
10- 5	-39126.8	-601.0	3078.4	1.0	5.0	-331.0
TENSIONI (Sz= 0.00) :						
Caso	Ve No massimi	Sx	Tz	Ty	τ tot.	Si
10- 7 si 2	Sx	60.2	0.0	2.5	2.5	60.3
10- 5 si 16	Tz	-56.8	10.0	0.0	10.0	59.4
10- 5 si 5	Ty	-0.9	0.0	13.5	13.5	23.4
10- 7 si 15	Si	60.1	-9.5	0.0	9.5	62.3
-----						718.

SOLLECITAZIONI :						PROGR.
Caso	MZ	MY	MT	N	TZ	TY
10- 7	-80999.2	-1023.5	2602.9	2.6	4.3	-340.6
10- 5	-78725.4	-1204.2	3078.4	1.0	5.0	-331.0

Progetto esecutivo

Relazione Tecnica e di Calcolo - Tabulati struttura in progetto

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
10-7	si	2	Sx	121.0	0.0	2.5	2.5	2.5	121.1
10-5	si	16	Tz	-114.4	10.0	0.0	10.0	10.0	115.7
10-5	si	5	Ty	-1.8	0.0	13.5	13.5	13.5	23.5
10-7	si	15	Si	121.0	-9.5	0.0	9.5	9.5	122.1

PROGR. 837.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
10-7	-121749.3	-1536.7	2602.9	2.6	4.3	-340.6
10-5	-118323.8	-1807.5	3078.4	1.0	5.0	-331.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
10-7	si	2	Sx	181.9	0.0	2.5	2.5	2.5	181.9
10-5	si	16	Tz	-172.0	10.0	0.0	10.0	10.0	172.8
10-5	si	5	Ty	-2.7	0.0	13.5	13.5	13.5	23.6
10-7	si	15	Si	181.8	-9.5	0.0	9.5	9.5	182.5

PROGR. 957.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
10-7	-162499.4	-2049.9	2602.9	2.6	4.3	-340.6
10-5	-157922.3	-2410.7	3078.4	1.0	5.0	-331.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
10-7	si	2	Sx	242.8	0.0	2.5	2.5	2.5	242.8
10-5	si	16	Tz	-229.5	10.0	0.0	10.0	10.0	230.2
10-5	si	5	Ty	-3.5	0.0	13.5	13.5	13.5	23.7
10-7	si	15	Si	242.6	-9.5	0.0	9.5	9.5	243.2

VERIFICA STABILITA` :

L0 = 957. |
 Z | Lc = 957. | Ro = 12.00 | lm = 79.7 | Ncr = 230132.5 | alfa(a) = 0.2100 | ki = 0.6353 |
 Y | Lc = 957. | Ro = 12.00 | lm = 79.7 | Ncr = 230132.5 | alfa(a) = 0.2100 | ki = 0.6353 |
 Caso 10-10 - Nodo 1 - Asse Z
 Ned = -2.8 | Mzeq = 119772.7 | Myeq = -1610.5 | Ss = -179.1 (0.053)

CASSONE_S008 (8) stato limite ultimo - ASTA (194- 195) 335
 PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
10-12	-159665.2	-2448.8	-3098.8	2.6	-5.0	324.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
10-12	si	2	Sx	239.2	0.0	3.0	3.0	3.0	239.2
10-12	si	16	Tz	-232.0	-9.9	0.0	9.9	9.9	232.6
10-12	si	5	Ty	-3.6	0.0	-13.3	13.3	13.3	23.4
10-12	si	15	Si	239.0	9.6	0.0	9.6	9.6	239.6

PROGR. 123.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
10-12	-119621.7	-1832.7	-3098.8	2.6	-5.0	324.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
10-12	si	2	Sx	179.2	0.0	3.0	3.0	3.0	179.3
10-12	si	16	Tz	-173.8	-9.9	0.0	9.9	9.9	174.7
10-12	si	5	Ty	-2.7	0.0	-13.3	13.3	13.3	23.3
10-12	si	15	Si	179.1	9.6	0.0	9.6	9.6	179.9

PROGR. 246.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
10-12	-79578.2	-1216.5	-3098.8	2.6	-5.0	324.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
10-12	si	2	Sx	119.2	0.0	3.0	3.0	3.0	119.3
10-12	si	16	Tz	-115.6	-9.9	0.0	9.9	9.9	116.9
10-12	si	5	Ty	-1.8	0.0	-13.3	13.3	13.3	23.2
10-12	si	15	Si	119.1	9.6	0.0	9.6	9.6	120.3

PROGR. 370.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
10-12	-39534.7	-581.0	-3098.8	2.6	-5.0	324.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
10-12	si	2	Sx	59.2	0.0	3.0	3.0	3.0	59.4
10-12	si	16	Tz	-57.5	-9.9	0.0	9.9	9.9	59.9
10-12	si	5	Ty	-0.8	0.0	-13.3	13.3	13.3	23.1
10-12	si	15	Si	59.2	9.6	0.0	9.6	9.6	61.5

PROGR. 493.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
10-12	513.2	19.8	-3098.8	2.6	-5.0	324.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
10-12	si	4	Sx	0.8	0.0	3.0	3.0	3.0	5.2
10-12	si	16	Tz	0.8	-9.9	0.0	9.9	9.9	17.1
10-12	si	5	Ty	0.1	0.0	-13.3	13.3	13.3	23.1

PROGR. 616.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
10-12	40552.6	632.3	-3098.8	2.6	-5.0	324.9

TENSIONI (Sz= 0.00) :

Progetto esecutivo

Relazione Tecnica e di Calcolo - Tabulati struttura in progetto

Caso	Ve	No	massimi	Sx	Tz	Ty	τ tot.	Si
10-12	si	4	Sx	60.8	0.0	3.0	3.0	61.0
10-12	si	16	Tz	59.0	-9.9	0.0	9.9	61.4
10-12	si	5	Ty	1.0	0.0	-13.3	13.3	23.1
10-12	si	14	Si	60.8	9.6	0.0	9.6	63.0
PROGR.								740.

SOLLECITAZIONI :					PROGR. 740		
Caso	MZ	MY	MT	N	TZ	TY	
10-12	80596.0	1248.4	-3098.8	2.6	-5.0	324.9	

TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massimi	Sx	Tz	Ty	τ tot.	Si		
10-12	si	4	Sx	120.8	0.0	3.0	3.0	120.9		
10-12	si	16	Tz	117.2	-9.9	0.0	9.9	118.4		
10-12	si	5	Ty	1.9	0.0	-13.3	13.3	23.2		
10-12	si	14	Si	120.7	9.6	0.0	9.6	121.8		
-----								PROGR.	863.	

SOLLECITAZIONI :					PROGR.		303	
Caso	MZ	MY	MT	N	TZ	TY		
10-12	120639.5	1864.6	-3098.8	2.6	-5.0	324.9		

TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si	
10-12	si	4	Sx	180.7	0.0	3.0		3.0	180.8	
10-12	si	16	Tz	175.3	-9.9	0.0		9.9	176.2	
10-12	si	5	Ty	2.8	0.0	-13.3		13.3	23.3	
10-12	si	14	Si	180.6	9.6	0.0		9.6	181.4	
-----									PROGR. 986.	

SOLLECITAZIONI :					PROGR.		300	
Caso	MZ	MY	MT	N	TZ	TY		
10-12	160683.0	2480.7	-3098.8	2.6	-5.0	324.9		

TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
10-12	si	4	Sx	240.7	0.0	3.0	3.0	240.8	
10-12	si	16	Tz	233.5	-9.9	0.0	9.9	234.2	
10-12	si	5	Ty	3.7	0.0	-13.3	13.3	23.4	
10-12	si	14	Si	240.6	9.6	0.0	9.6	241.1	

VERIFICA STABILITA` :

$L_0 = 986.$
 $Z \quad L_c = 986. \quad R_o = 12.00 \quad l_m = 82.1 \quad N_{cr} = 216794.4 \quad \alpha(a) = 0.2100 \quad k_i = 0.6133$
 $Y \quad L_c = 986. \quad R_o = 12.00 \quad l_m = 82.1 \quad N_{cr} = 216794.4 \quad \alpha(a) = 0.2100 \quad k_i = 0.6133$
 Caso 10- 5 - Nodo 1 - Asse Z
 $N_{ed} = -3.3 \quad M_{zeq} = 117001.8 \quad M_{yeq} = -1871.3 \quad S_s = -175.4 \quad (0.052)$

CASSONE_S008 (8) stato limite ultimo - ASTA (195- 196) 337
PROGR. 0.

SOLLECITAZIONI :					PROGR.			0.
Caso	MZ	MY	MT	N	TZ	TY		
11- 2	284691.1	4813.2	9995.3	2.1	12.3	-790.8		

TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si	
11- 2	si	4	Sx	427.1	0.0	9.6	9.6	427.4		
11- 2	si	16	Tz	413.1	26.4	0.0	0.0	26.4	415.7	
11- 2	si	5	Ty	7.1	0.0	34.8	34.8	34.8	60.8	
11- 2	si	14	Si	426.8	-25.8	0.0	0.0	25.8	429.1	
-----									PROGR. 90.	

SOLLECITAZIONI					PROGR.			50	
Caso	MZ	MY	MT	N	TZ	TY			
11- 2	213670.2	3706.1	9995.3	2.1	12.3	-790.8			

TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si	
11- 2	si	4	Sx	320.7	0.0	9.6	9.6	321.1		
11- 2	si	16	Tz	310.0	26.4	0.0	26.4	313.3		
11- 2	si	5	Ty	5.5	0.0	34.8	34.8	60.6		
11- 2	si	14	Si	320.5	-25.8	0.0	25.8	323.6		
-----									PROGR. 180.	

SOLLECITAZIONI :					PROGR.		100	
Caso	MZ	MY	MT	N	TZ	TY		
11- 2	142649.9	2599.7	9995.3	2.1	12.3	-790.8		

TENSIONI (Sz= 0.00) :										1428.4		2555.7		5555.5		2.1		12.5		750.0	
Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si												
11- 2	si	4	Sx	214.3	0.0	9.6	9.6	214.9	214.9												
11- 2	si	16	Tz	206.8	26.4	0.0	26.4	211.7	211.7												
11- 2	si	5	Ty	3.9	0.0	34.8	34.8	60.5	60.5												
11- 2	si	14	Si	214.1	-25.8	0.0	25.8	218.8	218.8												
-----										PROGR.										269.	

SOLLECITAZIONI					PROGR.			205	
Caso	MZ	MY	MT	N	TZ	TY			
11- 2	71631.8	1504.0	9995.3	2.1	12.3	-790.8			

TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si	
11- 2	si	4	Sx	107.9	0.0	9.6		9.6	109.2	
11- 2	si	16	Tz	103.6	26.4	0.0		26.4	113.2	
11- 2	si	5	Ty	2.2	0.0	34.8		34.8	60.4	
11- 2	si	14	Si	107.8	-25.8	0.0		25.8	116.7	
-----									PROGR. 359.	

SOLLECITAZIONI :					PROGR. 333		
Caso	MZ	MY	MT	N	TZ	TY	
11- 2	1194.3	309.6	9995.3	2.1	12.3	-790.8	

TENSIONI (Sz= 0.00)	Caso	Ve	No	massimi	Sx	Tz	Ty	τ tot.	Si

Progetto esecutivo

Relazione Tecnica e di Calcolo - Tabulati struttura in progetto

11- 2	si	4	Sx	2.2	0.0	9.6	9.6	16.8
11- 2	si	16	Tz	1.4	26.4	0.0	26.4	45.7
11- 2	si	5	TySi	0.5	0.0	34.8	34.8	60.4
								PROGR. 449.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
11- 2	-70424.2	-346.6	9995.3	2.1	12.3	-790.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
11- 2	si	2	Sx	104.4	0.0	9.6		9.6	105.7
11- 2	si	16	Tz	-103.4	26.4	0.0		26.4	113.0
11- 2	si	5	Ty	-0.5	0.0	34.8		34.8	60.4
11- 2	si	15	Si	104.4	-25.8	0.0		25.8	113.6
								PROGR. 539.	

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
11- 2	-141442.2	-1840.8	9995.3	2.1	12.3	-790.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
11- 2	si	2	Sx	211.4	0.0	9.6		9.6	212.0
11- 2	si	16	Tz	-206.0	26.4	0.0		26.4	211.0
11- 2	si	5	Ty	-2.7	0.0	34.8		34.8	60.4
11- 2	si	15	Si	211.3	-25.8	0.0		25.8	216.0
								PROGR. 629.	

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
11- 2	-212462.5	-2947.1	9995.3	2.1	12.3	-790.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
11- 2	si	2	Sx	317.8	0.0	9.6		9.6	318.2
11- 2	si	16	Tz	-309.2	26.4	0.0		26.4	312.5
11- 2	si	5	Ty	-4.3	0.0	34.8		34.8	60.5
11- 2	si	15	Si	317.6	-25.8	0.0		25.8	320.7
								PROGR. 718.	

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
11- 2	-283483.4	-4054.1	9995.3	2.1	12.3	-790.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
11- 2	si	2	Sx	424.2	0.0	9.6		9.6	424.5
11- 2	si	16	Tz	-412.4	26.4	0.0		26.4	414.9
11- 2	si	5	Ty	-6.0	0.0	34.8		34.8	60.6
11- 2	si	15	Si	423.9	-25.8	0.0		25.8	426.3

VERIFICA STABILITA` :

$L_0 = 718.$
 $Z \quad L_c = 718. \quad R_o = 12.00 \quad l_m = 59.9 \quad N_{cr} = 408270.8 \quad \alpha_f(a) = 0.2100 \quad k_i = 0.8051$
 $Y \quad L_c = 718. \quad R_o = 12.00 \quad l_m = 59.9 \quad N_{cr} = 408270.8 \quad \alpha_f(a) = 0.2100 \quad k_i = 0.8051$
 Caso 11-15 - Nodo 4 - Asse Z
 $N_{ed} = -2.3 \quad M_{zeq} = -207881.7 \quad M_{yeq} = -3597.0 \quad S_s = -312.0 \quad (0.092)$

CASSONE_S008 (8) stato limite ultimo - ASTA (196- 190) 339
 PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
11- 4	336028.3	4448.9	1062.1	-6.1	14.8	-1021.9
11-13	-269241.4	-4459.0	-10335.1	5.7	-14.8	818.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
11- 4	si	2	Sx	-502.3	0.0	1.0		1.0	502.3
11-13	si	16	Tz	-390.8	-27.3	0.0		27.3	393.6
11-13	si	5	Ty	-6.5	0.0	-36.1		36.1	62.8
11- 4	si	15	Si	-502.0	-22.0	0.0		22.0	503.5
								PROGR. 82.	

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
11- 4	251912.3	3233.0	1062.1	-6.1	14.8	-1021.9
11-13	-201838.9	-3241.0	-10335.1	5.7	-14.8	818.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
11- 4	si	2	Sx	-376.4	0.0	1.0		1.0	376.4
11-13	si	16	Tz	-293.1	-27.3	0.0		27.3	296.9
11-13	si	5	Ty	-4.7	0.0	-36.1		36.1	62.6
11- 4	si	15	Si	-376.2	-22.0	0.0		22.0	378.2
								PROGR. 165.	

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
11- 4	167796.9	2017.9	1062.1	-6.1	14.8	-1021.9
11-13	-134437.1	-2023.9	-10335.1	5.7	-14.8	818.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
11- 4	si	2	Sx	-250.6	0.0	1.0		1.0	250.6
11-13	si	16	Tz	-195.4	-27.3	0.0		27.3	201.0
11-13	si	5	Ty	-2.9	0.0	-36.1		36.1	62.5
11- 4	si	15	Si	-250.5	-22.0	0.0		22.0	253.3
								PROGR. 247.	

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
11- 4	83684.0	381.1	1062.1	-6.1	14.8	-1021.9
11-13	-67037.8	-385.1	-10335.1	5.7	-14.8	818.9

TENSIONI (Sz= 0.00) :

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Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
11- 4	si	2	Sx	-124.1	0.0	1.0	1.0	1.0	124.1
11-13	si	16	Tz	-98.3	-27.3	0.0	27.3	109.1	
11-13	si	5	Ty	-0.5	0.0	-36.1	36.1	62.5	
11- 4	si	15	Si	-124.1	-22.0	0.0	22.0	129.8	
PROGR.									329.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
11- 4	-1113.2	-342.9	1062.1	-6.1	14.8	-1021.9
11-13	1045.8	340.9	-10335.1	5.7	-14.8	818.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
11- 4	si	4	Sx	-2.2	0.0	1.0	1.0	2.9	
11-13	si	16	Tz	1.1	-27.3	0.0	27.3	47.4	
11-13	si	5	Ty	0.6	0.0	-36.1	36.1	62.5	
11- 4	si	15	Si	-2.2	-22.0	0.0	22.0	132.7	
PROGR.									412.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
11- 4	-84564.4	-1646.1	1062.1	-6.1	14.8	-1021.9
11-13	67783.5	1646.2	-10335.1	5.7	-14.8	818.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
11- 4	si	4	Sx	-127.3	0.0	1.0	1.0	127.3	
11-13	si	16	Tz	97.7	-27.3	0.0	27.3	108.6	
11-13	si	5	Ty	2.5	0.0	-36.1	36.1	62.5	
11- 4	si	14	Si	-127.2	-22.0	0.0	22.0	132.7	
PROGR.									494.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
11- 4	-168677.3	-2858.6	1062.1	-6.1	14.8	-1021.9
11-13	135182.8	2860.7	-10335.1	5.7	-14.8	818.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
11- 4	si	4	Sx	-253.1	0.0	1.0	1.0	253.1	
11-13	si	16	Tz	195.4	-27.3	0.0	27.3	201.1	
11-13	si	5	Ty	4.3	0.0	-36.1	36.1	62.6	
11- 4	si	14	Si	-252.9	-22.0	0.0	22.0	255.8	
PROGR.									576.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
11- 4	-252792.8	-4073.9	1062.1	-6.1	14.8	-1021.9
11-13	202584.6	4078.0	-10335.1	5.7	-14.8	818.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
11- 4	si	4	Sx	-379.0	0.0	1.0	1.0	379.0	
11-13	si	16	Tz	293.1	-27.3	0.0	27.3	296.9	
11-13	si	5	Ty	6.1	0.0	-36.1	36.1	62.8	
11- 4	si	14	Si	-378.7	-22.0	0.0	22.0	380.6	
PROGR.									658.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
11- 4	-336908.8	-5289.9	1062.1	-6.1	14.8	-1021.9
11-13	269987.1	5296.0	-10335.1	5.7	-14.8	818.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
11- 4	si	4	Sx	-504.8	0.0	1.0	1.0	504.9	
11-13	si	16	Tz	390.8	-27.3	0.0	27.3	393.7	
11-13	si	5	Ty	7.9	0.0	-36.1	36.1	63.0	
11- 4	si	14	Si	-504.5	-22.0	0.0	22.0	506.0	

VERIFICA STABILITA` :

$L0 = 658.$
 $Z \quad Lc = 658. \quad Ro = 12.00 \quad lm = 54.9 \quad Ncr = 486060.5 \quad \alpha(a) = 0.2100 \quad ki = 0.8392$
 $Y \quad Lc = 658. \quad Ro = 12.00 \quad lm = 54.9 \quad Ncr = 486060.5 \quad \alpha(a) = 0.2100 \quad ki = 0.8392$
 Caso 11- 4 - Nodo 4 - Asse Z
 $Ned = -6.1 \quad Mzeq = -252681.6 \quad Myeq = -3967.4 \quad Ss = -378.7 \quad (0.112)$

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 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
10- 5	211447.0	2720.8	2969.1	-3.4	6.4	-500.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
10- 5	si	2	Sx	-316.0	0.0	2.9	2.9	316.0	
10- 5	si	16	Tz	308.0	13.4	0.0	13.4	308.9	
10- 5	si	5	Ty	4.0	0.0	18.8	18.8	32.8	
10- 5	si	15	Si	-315.8	-13.1	0.0	13.1	316.6	
PROGR.									106.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
10-12	-158621.1	-2043.6	-2972.6	3.5	-6.4	498.1
10- 5	158483.5	2040.2	2969.1	-3.4	6.4	-500.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
10-12	si	2	Sx	237.0	0.0	2.9	2.9	237.1	
10- 5	si	16	Tz	230.8	13.4	0.0	13.4	232.0	
10- 5	si	5	Ty	3.0	0.0	18.8	18.8	32.7	
10-12	si	15	Si	236.9	13.1	0.0	13.1	238.0	
PROGR.									212.

SOLLECITAZIONI :

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Caso	MZ	MY	MT	N	TZ	TY			
10-12	-105882.3	-1362.4	-2972.6	3.5	-6.4	498.1			
10- 5	105520.1	1359.6	2969.1	-3.4	6.4	-500.2			
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
10-12	si	2	Sx	158.2	0.0	2.9	2.9	158.3	
10- 5	si	16	Tz	153.7	13.4	0.0	13.4	155.4	
10- 5	si	5	Ty	2.0	0.0	18.8	18.8	32.6	
10-12	si	15	Si	158.2	13.1	0.0	13.1	159.8	
							PROGR.	318.	

SOLLECITAZIONI :						PROGR.			518.	
Caso	MZ	MY	MT	N	TZ	TY				
10-12	-53143.9	-681.2	-2972.6	3.5	-6.4	498.1				
10- 5	52557.0	679.0	2969.1	-3.4	6.4	-500.2				
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si	
10-12	si	2	Sx	79.4	0.0	2.9	2.9	79.6		
10- 5	si	16	Tz	76.5	13.4	0.0	13.4	80.0		
10- 5	si	5	Ty	1.0	0.0	18.8	18.8	32.6		
10-12	si	15	Si	79.4	13.1	0.0	13.1	82.6		

SOLLECITAZIONI :										PROGR.		424.	
Caso	MZ			MY	MT	N	TZ			TY			
3- 2	-704.8			-1.4	653.1	-0.2	1.4			-17.2			
10- 5	-376.0			1.1	2969.1	-3.4	6.4			-500.2			
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si				
3- 2	si	4	Sx	-1.0	0.0	0.6	0.6	1.5					
10- 5	si	16	Tz	-0.6	13.4	0.0	13.4	23.2					
10- 5	si	5	Ty	0.0	0.0	18.8	18.8	32.6					
10- 5	si	6	Si	0.0	0.0	18.8	18.8	32.6					

SOLLECITAZIONI :										PROGR.	529.		
Caso			MZ		MY		MT		N		TZ		TY
10- 5			-53372.3		-703.2		2969.1		-3.4		6.4		-500.2
TENSIONI (Sz=0.00) :													
Caso	Ve	No	massimi		Sx		Tz		Ty		τ	tot.	Si
10- 5	si	4	Sx		-79.8		0.0		2.9		2.9		80.0
10- 5	si	16	Tz		-77.8		13.4		0.0		13.4		81.2
10- 5	si	5	Ty		-1.1		0.0		18.8		18.8		32.6
10- 5	si	14	Si		-79.8		-13.1		0.0		13.1		83.0

SOLLECITAZIONI :										PROGR.	635.
Caso	MZ			MY	MT	N	TZ		TY		
10- 5	-106335.4			-1406.3	2969.1	-3.4	6.4		-500.2		
TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si		
10- 5	si	4	Sx	-159.0	0.0	2.9	2.9	159.1			
10- 5	si	16	Tz	-154.9	13.4	0.0	13.4	156.6			
10- 5	si	5	Ty	-2.1	0.0	18.8	18.8	32.6			
10- 5	si	14	Si	-158.9	-13.1	0.0	13.1	160.5			

SOLLECITAZIONI :										PROGR.	741.
Caso	MZ	MY	MT	N	TZ	TY					
10- 5	-159298.8	-2043.6	2969.1	-3.4	6.4	-500.2					
TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si		
10- 5	si	4	Sx	-238.0	0.0	2.9	2.9	238.1			
10- 5	si	16	Tz	-232.1	13.4	0.0	13.4	233.3			
10- 5	si	5	Ty	-3.1	0.0	18.8	18.8	32.7			
10- 5	si	14	Si	-237.9	-13.1	0.0	13.1	239.0			

SOLLECITAZIONI :										PROGR.	847.
Caso	MZ			MY	MT	N	TZ		TY		
10- 5	-212262.3			-2724.3	2969.1	-3.4	6.4		-500.2		
TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si		
10- 5	si	4	Sx	-317.2	0.0	2.9	2.9	317.2			
10- 5	si	16	Tz	-309.3	13.4	0.0	13.4	310.2			
10- 5	si	5	Ty	-4.1	0.0	18.8	18.8	32.8			
10- 5	si	14	Si	-317.0	-13.1	0.0	13.1	317.8			

VERIFICA STABILITA` :

$L_0 = 847.$
 $Z \quad L_c = 847. \quad R_o = 12.00 \quad l_m = 70.6 \quad N_{cr} = 293788.7 \quad \alpha_f(a) = 0.2100 \quad k_i = 0.7184$
 $Y \quad L_c = 847. \quad R_o = 12.00 \quad l_m = 70.6 \quad N_{cr} = 293788.7 \quad \alpha_f(a) = 0.2100 \quad k_i = 0.7184$
 Caso 10- 5 - Nodo 4 - Asse Z
 $N_{ed} = -3.4 \quad M_{zeq} = -159196.7 \quad M_{yeq} = -2043.2 \quad S_s = -237.9 \quad (0.070)$

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 ----- PROGR. 0.

SOLLECITAZIONI :										PROGR.		106.
Caso	MZ	MY	MT	N	TZ	TY						
10- 5	199850.2	210.9	2795.1	-6.6	0.5	-471.6						
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si			
10- 5	si	2	Sx	-295.2	0.0	2.7	2.7	295.2				
10- 5	si	16	Tz	294.4	12.5	0.0	12.5	295.2				
10- 5	si	5	Ty	0.2	0.0	17.7	17.7	30.7				
10- 5	si	15	Si	-295.2	-12.5	0.0	12.5	296.0				
							PROGR.		106.			

SOLLECITAZIONI :									
Caso	MZ		MY	MT	N	TZ		TY	
10- 5	149917.1		157.3	2795.1	-6.6	0.5		-471.6	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si
10- 5	si	2	Sx	-221.5	0.0	2.7	2.7	2.7	221.5
10- 5	si	16	Tz	220.8	12.5	0.0	12.5	12.5	221.9
10- 5	si	5	Ty	0.1	0.0	17.7	17.7	17.7	30.7
10- 5	si	15	Si	-221.5	-12.5	0.0	12.5	12.5	222.5
-----									PROGR. 212.

SOLLECITAZIONI :										PROGR.		212	
Caso	MZ		MY		MT		N		TZ		TY		
10- 5	99984.1		103.7		2795.1		-6.6		0.5		-471.6		
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massimi		Sx		Tz		Ty		τ tot.		Si
10- 5	si	2	Sx		-147.7		0.0		2.7		2.7		147.8
10- 5	si	16	Tz		147.2		12.5		0.0		12.5		148.8
10- 5	si	5	Ty		0.1		0.0		17.7		17.7		30.7
10- 5	si	15	Si		-147.7		-12.5		0.0		12.5		149.3
-----										PROGR.		318	

SOLLECITAZIONI :										PROGR.	318.
Caso	MZ	MY	MT	N	TZ	TY					
10- 5	50051.0	50.2	2795.1	-6.6	0.5	-471.6					
TENSIONI (Sz= 0.00) :											
Caso	ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si		
10- 5	si	2	Sx	-74.0	0.0	2.7	2.7	2.7	74.1		
10- 5	si	16	Tz	73.7	12.5	0.0	12.5	12.5	76.8		
10- 5	si	5	Ty	0.0	0.0	17.7	17.7	17.7	30.7		
10- 5	si	15	Si	-74.0	-12.5	0.0	12.5	12.5	77.1		
										PROGR.	424.

SOLLECITAZIONI :										PROGR.		424.
Caso			MZ		MY		MT		N	TZ	TY	
11- 1			133.7		8.3		3718.0		-13.1	0.4	-205.3	
10- 5			122.7		-3.2		2795.1		-6.6	0.5	-471.6	
TENSIONI (Sz=			0.00)		:							
Caso	Ve	No	massimi		Sx		Tz		Ty	τ	tot.	Si
11- 1	si	2	Sx		-0.4		0.0		3.6		3.6	6.2
10- 5	si	16	Tz		0.1		12.5		0.0		12.5	21.7
10- 5	si	5	Ty		-0.1		0.0		17.7		17.7	30.7
										PROGR.		529.

SOLLECITAZIONI :										PROGR.	529.
Caso	MZ	MY	MT	N	TZ	TY					
10- 5	-49815.2	-56.2	2795.1	-6.6	0.5	-471.6					
TENSIONI (Sz= 0.00) :											
Caso	ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si		
10- 5	si	4	Sx	-73.7	0.0	2.7	2.7	2.7	73.8		
10- 5	si	16	Tz	-73.5	12.5	0.0	12.5	12.5	76.6		
10- 5	si	5	Ty	-0.2	0.0	17.7	17.7	17.7	30.7		
10- 5	si	14	Si	-73.7	-12.5	0.0	12.5	12.5	76.8		
-----										PROGR.	635.

SOLLECITAZIONI :										PROGR.	653.
Caso	MZ	MY	MT	N	TZ	TY					
10- 5	-99748.3	-108.8	2795.1	-6.6	0.5	-471.6					
TENSIONI (Sz= 0.00) :											
Caso	ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si		
10- 5	si	4	Sx	-147.4	0.0	2.7	2.7	2.7	147.5		
10- 5	si	16	Tz	-147.1	12.5	0.0	12.5	12.5	148.7		
10- 5	si	5	Ty	-0.3	0.0	17.7	17.7	17.7	30.7		
10- 5	si	14	Si	-147.4	-12.5	0.0	12.5	12.5	149.0		
-----										PROGR.	741.

SOLLECITAZIONI :										PROGR.		741.
Caso	MZ			MY	MT	N		TZ		TY		
10- 5	-149681.4			-161.0	2795.1	-6.6		0.5		-471.6		
TENSIONI (Sz= 0.00) :												
Caso	ve	No	massimi	Sx	Tz	Ty	τ	tot.		Si		
10- 5	si	4	Sx	-221.1	0.0	2.7		2.7		221.2		
10- 5	si	16	Tz	-220.7	12.5	0.0		12.5		221.7		
10- 5	si	5	Ty	-0.3	0.0	17.7		17.7		30.7		
10- 5	si	14	Si	-221.1	-12.5	0.0		12.5		222.2		
										PROGR.		847.

SOLLECITAZIONI :										PROGR.	847.7
Caso	MZ			MY	MT	N	TZ		TY		
10- 5	-199614.5			-212.9	2795.1	-6.6	0.5		-471.6		
TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massimi	Sx	Tz	Ty	τ	tot.	Si		
10- 5	si	4	Sx	-294.8	0.0	2.7	2.7	2.7	294.9		
10- 5	si	16	Tz	-294.2	12.5	0.0	12.5	12.5	295.0		
10- 5	si	5	Ty	-0.4	0.0	17.7	17.7	17.7	30.7		
10- 5	si	14	Si	-294.8	-12.5	0.0	12.5	12.5	295.6		

VERIFICA STABILITA` :

L0 = 847.
 Z | Lc = 847. | Ro = 12.00 | lm = 70.6 | Ncr = 293788.7 | alfa(a) = 0.2100 | ki = 0.7184 |
 Y | Lc = 847. | Ro = 12.00 | lm = 70.6 | Ncr = 293788.7 | alfa(a) = 0.2100 | ki = 0.7184 |
 Caso 10- 5 - Nodo 1 - Asse Z
 Ned = -6.6 | Mzeq = 149887.7 | Myeq = -159.7 | Ss = -221.5 (0.066)