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Se.a R2

relazione di calcolo delle strutture:
tabulati generali

scala -----

stato di progetto

dicembre 2017

comune di
marradi (fi)

adeguamento sismico del blocco B del
plessso scolastico dino campana
progetto esecutivo

responsabile del
procedimento

ing. renato rossi

progettista

ing. iacopo ceramelli

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Introduzione

Sistemi di riferimento

Le coordinate, i carichi concentrati, i cedimenti, le reazioni vincolari e gli spostamenti dei NODI sono riferiti ad una terna destra cartesiana globale con l'asse Z verticale rivolto verso l'alto.

I carichi in coordinate locali e le sollecitazioni delle ASTE sono riferite ad una terna destra cartesiana locale così definita:

- origine nel nodo iniziale dell'asta;
- asse X coincidente con l'asse dell'asta e con verso dal nodo iniziale al nodo finale;
- immaginando la trave a sezione rettangolare l'asse Y è parallelo alla base e l'asse Z è parallelo all'altezza. La rotazione dell'asta comporta quindi una rotazione di tutta la terna locale.

Si può immaginare la terna locale di un'asta comunque disposta nello spazio come derivante da quella globale dopo una serie di trasformazioni:

- una rotazione intorno all'asse Z che porti l'asse X a coincidere con la proiezione dell'asse dell'asta sul piano orizzontale;
- una traslazione lungo il nuovo asse X così definito in modo da portare l'origine a coincidere con la proiezione del nodo iniziale dell'asta sul piano orizzontale;
- una traslazione lungo l'asse Z che porti l'origine a coincidere con il nodo iniziale dell'asta;
- una rotazione intorno all'asse Y così definito che porti l'asse X a coincidere con l'asse dell'asta;
- una rotazione intorno all'asse X così definito pari alla rotazione dell'asta.

In pratica le travi prive di rotazione avranno sempre l'asse Z rivolto verso l'alto e l'asse Y nel piano del solaio, mentre i pilastri privi di rotazione avranno l'asse Y parallelo all'asse Y globale e l'asse Z parallelo ma controverso all'asse X globale. Da notare quindi che per i pilastri la "base" è il lato parallelo a Y.

Le sollecitazioni ed i carichi in coordinate locali negli ELEMENTI BIDIMENSIONALI e nei MURI sono riferiti ad una terna destra cartesiana locale così definita:

- origine nel primo nodo dell'elemento;
- asse X coincidente con la congiungente il primo ed il secondo nodo dell'elemento;
- asse Y definito come prodotto vettoriale fra il versore dell'asse X e il versore della congiungente il primo e il quarto nodo. Asse Z a formare con gli altri due una terna destrorsa.

Praticamente un elemento verticale con l'asse X locale coincidente con l'asse X globale ha anche gli altri assi locali coincidenti con quelli globali.

Rotazioni e momenti

Seguendo il principio adottato per tutti i carichi che sono positivi se CONTROVERSI agli assi, anche i momenti concentrati e le rotazioni impresse in coordinate globali risultano positivi se CONTROVERSI al segno positivo delle rotazioni. Il segno positivo dei momenti e delle rotazioni è quello orario per l'osservatore posto nell'origine: X ruota su Y, Y ruota su Z, Z ruota su X. In pratica è sufficiente adottare la regola della mano destra: col pollice rivolto nella direzione dell'asse, la rotazione che porta a chiudere il palmo della mano corrisponde al segno positivo.

Normativa di riferimento

La normativa di riferimento è la seguente:

- Legge n. 64 del 2/2/1974 - Provvedimenti per le costruzioni con particolari prescrizioni per le zone sismiche.
- D.M. del 24/1/1986 - Norme tecniche relative alle costruzioni sismiche.
- Legge n. 1086 del 5/11/1971 - Norme per la disciplina delle opere di conglomerato cementizio armato, normale e precompresso ed a struttura metallica.
- D.M. del 14/2/1992 - Norme tecniche per l'esecuzione delle opere in c.a. normale e precompresso e per le strutture metalliche.
- D.M. del 9/1/1996 - Norme tecniche per l'esecuzione delle opere in c.a. normale e precompresso e per le strutture metalliche.
- D.M. del 16/1/1996 - Norme tecniche per le costruzioni in zone sismiche.
- Circolare n. 21745 del 30/7/1981 - Legge n. 219 del 14/5/1981 - Art. 10 - Istruzioni relative al rafforzamento degli edifici in muratura danneggiati dal sisma.
- Regione Autonoma Friuli Venezia Giulia - Legge Regionale n. 30 del 20/6/1977 - Documentazione tecnica per la progettazione e direzione delle opere di riparazione degli edifici - Documento Tecnico n. 2 - Raccomandazioni per la riparazione strutturale degli edifici in muratura.
- D.M. del 20/11/1987 - Norme Tecniche per la progettazione, esecuzione e collaudo degli edifici in muratura e per il loro consolidamento.
- Norme Tecniche C.N.R. n. 10011-85 del 18/4/1985 - Costruzioni di acciaio - Istruzioni per il calcolo, l'esecuzione, il collaudo e la manutenzione.
- Norme Tecniche C.N.R. n. 10025-84 del 14/12/1984 - Istruzioni per il progetto, l'esecuzione ed il controllo delle strutture prefabbricate in conglomerato cementizio e per le strutture costruite con sistemi industrializzati di acciaio

Relazione di calcolo

- Istruzioni per il calcolo, l'esecuzione, il collaudo e la manutenzione.
- Circolare n. 65 del 10/4/1997 - Istruzioni per l'applicazione delle "Norme tecniche per le costruzioni in zone sismiche" di cui al D.M. del 16/1/1996.
- Eurocodice 5 - Progettazione delle strutture di legno.
- DIN 1052 - Metodi di verifica per il legno.
- D.M. del 14/1/2008 - Norme tecniche per le costruzioni. Le verifiche degli elementi di fondazione sono eseguite utilizzando l'Approccio 2.
- Circolare n. 617 del 2/2/2009 - Istruzioni per l'applicazione delle "Nuove norme tecniche per le costruzioni" di cui al D.M. del 14/1/2008.
- Documento Tecnico CNR-DT 200 R1/2012 - Istruzioni per la Progettazione, l'Esecuzione ed il Controllo di Interventi di Consolidamento Statico mediante l'utilizzo di Compositi Fibrorinforzati.
- Eurocodice 3 - Progettazione delle strutture in acciaio.
- UNI EN 1992-1-2 - Aprile 2005 - Eurocodice 2 - Progettazione delle strutture di calcestruzzo - Parte 1-2: Regole generali - Progettazione strutturale contro l'incendio.

Unità di misura

Le unità di misura adottate sono le seguenti:

- lunghezze : m
- forze : daN
- masse : kg
- temperature : gradi centigradi
- angoli : gradi sessadecimali o radianti

Geometria

Elenco vincoli nodi

Simbologia

- Vn = Numero del vincolo nodo
- Comm. = Commento
- Sx = Spostamento in dir. X (L=libero, B=bloccato, E=elastico)
- Sy = Spostamento in dir. Y (L=libero, B=bloccato, E=elastico)
- Sz = Spostamento in dir. Z (L=libero, B=bloccato, E=elastico)
- Rx = Rotazione intorno all'asse X (L=libera, B=bloccata, E=elastica)
- Ry = Rotazione intorno all'asse Y (L=libera, B=bloccata, E=elastica)
- Rz = Rotazione intorno all'asse Z (L=libera, B=bloccata, E=elastica)
- RL = Rotazione libera
- Ly = Lunghezza (dir. Y locale)
- Lz = Larghezza (dir. Z locale)
- Kt = Coeff. di sottofondo su suolo elastico alla Winkler

Vn	Comm.	Sx	Sy	Sz	Rx	Ry	Rz	RL	Ly <m>	Lz <m>	Kt <daN/cmc>
1	Libero	L	L	L	L	L	L				
3	El. sew 110001	B	B	L	L	L	B				

Elenco nodi

Simbologia

- Nodo = Numero del nodo
- X = Coordinata X del nodo
- Y = Coordinata Y del nodo
- Z = Coordinata Z del nodo
- Imp. = Numero dell'impalcato
- Vn = Numero del vincolo nodo

Nodo	X <m>	Y <m>	Z <m>	Imp.	Vn	Nodo	X <m>	Y <m>	Z <m>	Imp.	Vn	Nodo	X <m>	Y <m>	Z <m>	Imp.	Vn
-1693	7.05	-11.07	0.00	0	3	-1692	7.05	-10.57	0.00	0	3	-1691	9.55	-7.55	0.60	0	1
-1690	9.75	-7.55	0.60	0	1	-1689	9.55	-7.55	0.00	0	3	-1688	9.75	-7.55	8.60	3	1
-1687	9.75	-7.55	7.92	0	1	-1686	9.75	-7.55	7.24	0	1	-1685	9.75	-7.55	6.56	0	1
-1684	9.75	-7.55	5.88	0	1	-1683	9.55	-7.55	8.60	3	1	-1682	9.55	-7.55	7.92	0	1
-1681	9.55	-7.55	7.24	0	1	-1680	9.55	-7.55	6.56	0	1	-1679	9.75	-7.55	5.20	2	1
-1678	9.75	-7.55	4.52	0	1	-1677	9.75	-7.55	3.84	0	1	-1676	9.75	-7.55	3.16	0	1
-1675	9.75	-7.55	2.48	0	1	-1674	9.55	-7.55	4.52	0	1	-1673	9.55	-7.55	3.84	0	1
-1672	9.55	-7.55	3.16	0	1	-1671	9.75	-7.55	1.80	1	1	-1670	9.75	-7.55	1.20	0	1
-1669	9.55	-7.55	1.20	0	1	-1667	9.55	-7.55	5.88	0	1	-1666	9.55	-7.55	5.20	2	1
-1665	9.55	-7.55	2.48	0	1	-1664	9.55	-7.55	1.80	1	1	-1662	9.75	-7.55	0.00	0	3
-1661	13.97	-7.55	0.60	0	1	-1660	14.23	-7.55	0.60	0	1	-1659	14.23	-7.55	4.52	0	1
-1658	14.23	-7.55	3.84	0	1	-1657	14.23	-7.55	3.16	0	1	-1656	13.97	-7.55	4.52	0	1
-1655	13.97	-7.55	3.84	0	1	-1654	13.97	-7.55	3.16	0	1	-1653	14.23	-7.55	8.60	3	1

Relazione di calcolo

-1652	14.23	-7.55	7.92	0	1	-1651	14.23	-7.55	7.24	0	1	-1650	14.23	-7.55	6.56	0	1
-1649	14.23	-7.55	5.88	0	1	-1648	14.23	-7.55	5.20	2	1	-1647	13.97	-7.55	8.60	3	1
-1646	13.97	-7.55	7.92	0	1	-1645	13.97	-7.55	7.24	0	1	-1644	13.97	-7.55	6.56	0	1
-1643	13.97	-7.55	5.88	0	1	-1642	13.97	-7.55	5.20	2	1	-1641	14.23	-7.55	2.48	0	1
-1640	13.97	-7.55	2.48	0	1	-1639	13.97	-7.55	1.80	1	1	-1638	14.23	-7.55	1.80	1	1
-1637	14.23	-7.55	1.20	0	1	-1636	13.97	-7.55	1.20	0	1	-1634	13.97	-7.55	0.00	0	3
-1632	14.23	-7.55	0.00	0	3	-1631	21.66	-7.55	0.00	0	3	-1630	21.66	-7.55	1.20	0	1
-1629	21.66	-7.55	1.80	1	1	-1628	21.66	-7.55	2.48	0	1	-1627	21.66	-7.55	3.16	0	1
-1626	21.66	-7.55	3.84	0	1	-1625	21.66	-7.55	4.70	0	1	-1624	21.66	-7.55	5.20	2	1
-1623	21.66	-7.55	5.88	0	1	-1622	21.66	-7.55	6.56	0	1	-1621	21.66	-7.55	7.24	0	1
-1620	21.66	-7.55	8.60	3	1	-1619	21.66	-7.55	8.10	0	1	-1618	21.66	-7.55	0.60	0	1
-1617	13.97	-17.13	8.60	3	1	-1616	6.92	-17.13	8.60	3	1	-1615	14.23	-17.13	8.60	3	1
-1614	7.18	-17.13	8.60	3	1	-1613	13.97	-17.13	7.67	0	1	-1612	13.97	-17.13	7.24	0	1
-1611	13.97	-17.13	6.56	0	1	-1610	13.97	-17.13	5.88	0	1	-1609	13.97	-17.13	5.20	2	1
-1608	13.97	-17.13	4.70	0	1	-1607	13.97	-17.13	4.27	0	1	-1606	13.97	-17.13	3.84	0	1
-1605	13.97	-17.13	3.16	0	1	-1604	13.97	-17.13	2.48	0	1	-1603	13.97	-17.13	1.80	1	1
-1602	13.97	-17.13	1.30	0	1	-1601	13.97	-17.13	0.60	0	1	-1600	13.97	-17.13	0.00	0	3
-1599	14.23	-17.13	0.00	0	3	-1598	14.23	-17.13	0.60	0	1	-1597	14.23	-17.13	1.30	0	1
-1596	14.23	-17.13	1.80	1	1	-1595	14.23	-17.13	2.48	0	1	-1594	14.23	-17.13	3.16	0	1
-1593	14.23	-17.13	3.84	0	1	-1592	14.23	-17.13	4.27	0	1	-1591	14.23	-17.13	4.70	0	1
-1590	14.23	-17.13	5.20	2	1	-1589	14.23	-17.13	5.88	0	1	-1588	14.23	-17.13	6.56	0	1
-1587	14.23	-17.13	7.24	0	1	-1586	14.23	-17.13	7.67	0	1	-1584	14.23	-17.13	8.10	0	1
-1582	13.97	-17.13	8.10	0	1	-1579	7.18	-17.13	8.10	0	1	-1578	6.92	-17.13	8.10	0	1
-1577	6.92	-17.13	7.67	0	1	-1576	7.18	-17.13	7.67	0	1	-1575	6.92	-17.13	7.24	0	1
-1574	7.18	-17.13	7.24	0	1	-1573	7.18	-17.13	6.56	0	1	-1572	6.92	-17.13	6.56	0	1
-1571	6.92	-17.13	5.88	0	1	-1570	7.18	-17.13	5.88	0	1	-1569	7.18	-17.13	5.20	2	1
-1568	6.92	-17.13	5.20	2	1	-1567	6.92	-17.13	4.70	0	1	-1566	7.18	-17.13	4.70	0	1
-1565	7.18	-17.13	4.27	0	1	-1564	6.92	-17.13	4.27	0	1	-1563	6.92	-17.13	3.84	0	1
-1562	7.18	-17.13	3.84	0	1	-1561	7.18	-17.13	3.16	0	1	-1560	6.92	-17.13	3.16	0	1
-1559	6.92	-17.13	2.48	0	1	-1558	7.18	-17.13	2.48	0	1	-1557	7.18	-17.13	1.80	1	1
-1556	6.92	-17.13	1.80	1	1	-1555	6.92	-17.13	1.30	0	1	-1554	7.18	-17.13	1.30	0	1
-1553	7.18	-17.13	0.60	0	1	-1552	7.18	-17.13	0.00	0	3	-1551	6.92	-17.13	0.60	0	1
-1550	6.92	-17.13	0.00	0	3	-1549	0.25	-4.25	8.60	3	1	-1548	0.25	-4.25	7.75	0	1
-1547	0.25	-4.25	6.90	0	1	-1546	0.25	-4.25	6.05	0	1	-1545	0.25	-4.25	5.20	2	1
-1544	0.25	-4.25	4.35	0	1	-1543	0.25	-4.25	3.50	0	1	-1542	0.25	-4.25	2.65	0	1
-1541	0.25	-4.25	1.80	1	1	-1540	0.25	-4.25	1.20	0	1	-1539	0.25	-4.25	0.60	0	1
-1538	0.25	-4.25	0.00	0	3	-1537	0.00	-7.75	0.00	0	3	-1536	0.00	-7.35	0.00	0	3
-1535	0.00	-7.75	8.60	3	1	-1534	0.00	-7.75	7.92	0	1	-1533	0.00	-7.75	7.24	0	1
-1532	0.00	-7.75	6.56	0	1	-1531	0.00	-7.75	5.88	0	1	-1530	0.00	-7.75	5.20	2	1
-1529	0.00	-7.75	4.52	0	1	-1528	0.00	-7.75	3.84	0	1	-1527	0.00	-7.75	3.16	0	1
-1526	0.00	-7.75	2.48	0	1	-1525	0.00	-7.75	1.80	1	1	-1524	0.00	-7.75	1.20	0	1
-1523	0.00	-7.75	0.60	0	1	-1521	0.00	-7.35	8.60	3	1	-1520	0.00	-7.35	7.92	0	1
-1519	0.00	-7.35	7.24	0	1	-1518	0.00	-7.35	6.56	0	1	-1517	0.00	-7.35	5.88	0	1
-1516	0.00	-7.35	5.20	2	1	-1515	0.00	-7.35	4.52	0	1	-1514	0.00	-7.35	3.84	0	1
-1513	0.00	-7.35	3.16	0	1	-1512	0.00	-7.35	2.48	0	1	-1511	0.00	-7.35	1.80	1	1
-1510	0.00	-7.35	1.20	0	1	-1509	0.00	-7.35	0.60	0	1	-1507	0.00	-0.29	0.00	0	3
-1506	0.26	-17.13	0.00	0	3	-1505	0.26	-17.13	8.60	3	1	-1504	0.26	-17.13	8.10	0	1
-1503	0.26	-17.13	7.24	0	1	-1502	0.26	-17.13	6.56	0	1	-1501	0.26	-17.13	5.88	0	1
-1500	0.26	-17.13	5.20	2	1	-1499	0.26	-17.13	4.70	0	1	-1498	0.26	-17.13	3.84	0	1
-1497	0.26	-17.13	3.16	0	1	-1496	0.26	-17.13	2.48	0	1	-1495	0.26	-17.13	1.80	1	1
-1494	0.26	-17.13	1.20	0	1	-1493	0.26	-17.13	0.60	0	1	-1491	21.68	-17.13	0.60	0	1
-1490	21.68	-17.13	8.60	3	1	-1489	21.68	-17.13	8.10	0	1	-1488	21.68	-17.13	7.24	0	1
-1487	21.68	-17.13	6.56	0	1	-1486	21.68	-17.13	5.88	0	1	-1485	21.68	-17.13	5.20	2	1
-1484	21.68	-17.13	4.70	0	1	-1483	21.68	-17.13	3.84	0	1	-1482	21.68	-17.13	3.16	0	1
-1481	21.68	-17.13	2.48	0	1	-1480	21.68	-17.13	1.80	1	1	-1479	21.68	-17.13	1.20	0	1
-1477	21.68	-17.13	0.00	0	3	-1476	14.10	-14.97	4.70	0	1	-1472	14.10	-14.97	8.10	0	1
-1470	0.00	-15.23	3.84	0	1	-1457	14.10	-10.57	0.00	0	3	-1456	14.10	-10.57	0.60	0	1
-1455	14.10	-10.57	1.30	0	1	-1454	14.10	-10.57	1.80	1	1	-1453	14.10	-10.57	2.48	0	1
-1452	14.10	-10.57	3.16	0	1	-1451	14.10	-10.57	3.84	0	1	-1450	14.10	-10.57	4.27	0	1
-1449	14.10	-10.57	4.70	0	1	-1448	14.10	-10.57	5.20	2	1	-1447	14.10	-10.57	5.88	0	1
-1446	14.10	-10.57	6.56	0	1	-1445	14.10	-10.57	7.24	0	1	-1444	14.10	-10.57	7.67	0	1
-1443	14.10	-10.57	8.60	3	1	-1442	14.10	-10.57	8.10	0	1	-1441	14.10	-11.07	8.60	3	1
-1440	14.10	-11.07	8.10	0	1	-1439	14.10	-11.07	7.67	0	1	-1438	14.10	-11.07	7.24	0	1
-1437	14.10	-11.07	6.56	0	1	-1436	14.10	-11.07	5.88	0	1	-1435	14.10	-11.07	5.20	2	1
-1434	14.10	-11.07	4.70	0	1	-1433	14.10	-11.07	4.27	0	1	-1432	14.10	-11.07	3.84	0	1
-1431	14.10	-11.07	3.16	0	1	-1430	14.10	-11.07	2.48	0	1	-1429	14.10	-11.07	1.80	1	1
-1428	14.10	-11.07	1.30	0	1	-1427	14.10	-11.07	0.60	0	1	-1426	14.10	-11.07	0.00	0	3
-1425	14.10	-16.40	8.60	3	1	-1424	14.10	-16.40	8.10	0	1	-1423	14.10	-16.40	7.67	0	1
-1422	14.10	-16.40	7.24	0	1	-1421	14.10	-16.40	6.56	0	1	-1420	14.10	-16.40	5.88	0	1
-1419	14.10	-16.40	5.20	2	1	-1418	14.10	-16.40	4.70	0	1	-1417	14.10	-16.40	4.27	0	1
-1416	14.10	-16.40	3.84	0	1	-1415	14.10	-16.40	3.16	0	1	-1414	14.10	-16.40	2.48	0	1
-1413	14.10	-16.40	1.80	1	1	-1412	14.10	-16.40	1.30	0	1	-1411	14.10	-16.40	0.60	0	1
-1410	14.10	-16.40	0.00	0	3	-1409	7.05	-11.07	8.60	3	1	-1408	7.05	-11.07	8.10	0	1
-1407	7.05	-11.07	7.67	0	1	-1406	7.05	-11.07	7.24	0	1	-1405	7.05	-11.07	6.56	0	1
-1404	7.05	-11.07	5.88	0	1	-1403	7.05	-11.07	5.20	2	1	-1402	7.05	-11.07	4.70	0	1
-1401	7.05	-11.07	4.27	0	1	-1400	7.05	-11.07	3.84	0	1	-1399	7.05	-11.07	3.16	0	1
-1398	7.05	-11.07	2.48	0	1	-1397	7.05	-11.07	1.80	1	1	-1396	7.05	-11.07	1.30	0	1
-1395	7.05	-11.07	0.60	0	1	-1392	7.05	-10.57	0.60	0	1	-1391	7.05	-10.57	1.30	0	1
-1390	7.05	-10.57	1.80	1	1	-1389	7.05	-10.57	2.48	0	1	-1388	7.05	-10.57	3.16	0	1

Relazione di calcolo

-1387	7.05	-10.57	3.84	0	1	-1386	7.05	-10.57	4.27	0	1	-1385	7.05	-10.57	4.70	0	1
-1384	7.05	-10.57	5.20	2	1	-1383	7.05	-10.57	5.88	0	1	-1382	7.05	-10.57	6.56	0	1
-1381	7.05	-10.57	7.67	0	1	-1380	7.05	-10.57	7.24	0	1	-1379	7.05	-10.57	8.60	3	1
-1378	7.05	-10.57	8.10	0	1	-1377	7.05	-9.88	0.60	0	1	-1376	7.05	-12.34	0.00	0	3
-1375	7.05	-16.40	8.60	3	1	-1374	7.05	-16.40	8.10	0	1	-1373	7.05	-16.40	7.67	0	1
-1372	7.05	-16.40	7.24	0	1	-1371	7.05	-16.40	6.56	0	1	-1370	7.05	-16.40	5.88	0	1
-1369	7.05	-16.40	5.20	2	1	-1368	7.05	-16.40	4.70	0	1	-1367	7.05	-16.40	4.27	0	1
-1366	7.05	-16.40	3.84	0	1	-1365	7.05	-16.40	3.16	0	1	-1364	7.05	-16.40	2.48	0	1
-1363	7.05	-16.40	1.80	1	1	-1362	7.05	-16.40	1.30	0	1	-1361	7.05	-16.40	0.60	0	1
-1360	7.05	-16.40	0.00	0	3	-1359	7.05	-16.40	2.48	0	1	-1358	0.00	-0.29	8.60	3	1
-1357	0.00	-0.29	8.10	0	1	-1356	0.00	-0.29	7.24	0	1	-1355	0.00	-0.29	6.56	0	1
-1354	0.00	-0.29	5.88	0	1	-1353	0.00	-0.29	5.20	2	1	-1352	0.00	-0.29	4.70	0	1
-1351	0.00	-0.29	3.84	0	1	-1350	0.00	-0.29	3.16	0	1	-1349	0.00	-0.29	2.48	0	1
-1348	0.00	-0.29	1.80	1	1	-1347	0.00	-0.29	1.20	0	1	-1346	0.00	-0.29	0.60	0	1
-1344	0.00	-0.98	1.80	1	1	-1343	20.86	-7.55	0.00	0	3	-1342	7.05	-12.34	0.60	0	1
-1341	14.10	-12.34	0.60	0	1	-1340	14.10	-14.50	0.60	0	1	-1338	14.10	-14.50	0.00	0	3
-1337	7.05	-14.50	0.60	0	1	-1335	7.05	-14.50	0.00	0	3	-1334	5.43	0.00	11.22	0	1
-1333	4.76	0.00	11.22	0	1	-1332	21.80	-12.94	11.22	0	1	-1331	4.12	0.00	11.16	0	1
-1330	21.80	-11.54	11.10	0	1	-1329	6.03	0.00	10.85	0	1	-1328	5.37	0.00	10.85	0	1
-1327	4.76	0.00	10.85	0	1	-1326	4.15	0.00	10.85	0	1	-1325	21.80	-12.09	10.85	0	1
-1324	21.80	-12.71	10.85	0	1	-1323	21.80	-13.53	10.85	0	1	-1322	21.80	-10.74	10.60	0	1
-1321	6.63	0.00	10.47	0	1	-1320	5.98	0.00	10.47	0	1	-1319	5.37	0.00	10.47	0	1
-1318	4.76	0.00	10.47	0	1	-1317	4.15	0.00	10.47	0	1	-1316	21.80	-11.46	10.47	0	1
-1315	21.80	-14.13	10.47	0	1	-1314	7.04	-10.14	10.22	0	1	-1313	7.24	0.00	10.10	0	1
-1312	6.59	0.00	10.10	0	1	-1311	5.98	0.00	10.10	0	1	-1310	5.37	0.00	10.10	0	1
-1309	4.76	0.00	10.10	0	1	-1308	4.15	0.00	10.10	0	1	-1307	21.80	-12.09	10.10	0	1
-1306	21.80	-12.71	10.10	0	1	-1305	21.80	-13.35	10.10	0	1	-1304	21.80	-13.97	10.10	0	1
-1303	21.80	-14.73	10.10	0	1	-1302	21.80	-10.82	9.93	0	1	-1301	21.80	-11.46	9.85	0	1
-1300	7.84	0.00	9.72	0	1	-1299	7.21	0.00	9.72	0	1	-1298	6.59	0.00	9.72	0	1
-1297	5.98	0.00	9.72	0	1	-1296	5.37	0.00	9.72	0	1	-1295	4.76	0.00	9.72	0	1
-1294	4.15	0.00	9.72	0	1	-1293	21.80	-15.33	9.72	0	1	-1292	8.44	0.00	9.35	0	1
-1291	7.82	0.00	9.35	0	1	-1290	7.21	0.00	9.35	0	1	-1289	6.59	0.00	9.35	0	1
-1288	5.98	0.00	9.35	0	1	-1287	5.37	0.00	9.35	0	1	-1286	4.76	0.00	9.35	0	1
-1285	4.15	0.00	9.35	0	1	-1284	21.80	-12.09	9.35	0	1	-1283	21.80	-12.71	9.35	0	1
-1282	21.80	-13.35	9.35	0	1	-1281	21.80	-13.97	9.35	0	1	-1280	21.80	-14.61	9.35	0	1
-1279	21.80	-15.23	9.35	0	1	-1278	21.80	-15.93	9.35	0	1	-1277	21.80	-10.82	9.27	0	1
-1276	21.80	-11.46	9.22	0	1	-1275	8.43	0.00	8.98	0	1	-1274	7.82	0.00	8.98	0	1
-1273	7.21	0.00	8.98	0	1	-1272	6.59	0.00	8.98	0	1	-1271	5.98	0.00	8.98	0	1
-1270	5.37	0.00	8.98	0	1	-1269	4.76	0.00	8.98	0	1	-1268	4.15	0.00	8.98	0	1
-1267	9.05	0.00	8.97	0	1	-1266	21.80	-16.53	8.97	0	1	-1265	9.04	0.00	8.60	3	1
-1264	8.43	0.00	8.60	3	1	-1263	7.82	0.00	8.60	3	1	-1262	7.21	0.00	8.60	3	1
-1261	6.59	0.00	8.60	3	1	-1260	5.98	0.00	8.60	3	1	-1259	5.37	0.00	8.60	3	1
-1258	4.76	0.00	8.60	3	1	-1254	9.65	-0.85	8.60	3	1	-1253	0.00	-0.98	8.60	3	1
-1252	4.40	-1.42	8.60	3	1	-1251	0.00	-1.49	8.60	3	1	-1250	9.65	-1.70	8.60	3	1
-1249	9.65	-2.55	8.60	3	1	-1248	4.65	-2.83	8.60	3	1	-1247	9.65	-3.40	8.60	3	1
-1246	0.00	-3.85	8.60	3	1	-1245	9.15	-4.25	8.60	3	1	-1244	5.40	-4.25	8.60	3	1
-1243	4.40	-4.25	8.60	3	1	-1242	0.50	-4.25	8.60	3	1	-1241	0.00	-4.65	8.60	3	1
-1240	9.65	-4.75	8.60	3	1	-1239	4.90	-4.91	8.60	3	1	-1238	9.65	-5.57	8.60	3	1
-1237	9.65	-6.23	8.60	3	1	-1236	0.00	-6.45	8.60	3	1	-1235	9.65	-6.89	8.60	3	1
-1234	4.90	-6.89	8.60	3	1	-1233	0.00	-6.95	8.60	3	1	-1232	21.29	-7.55	8.60	3	1
-1231	20.86	-7.55	8.60	3	1	-1230	20.26	-7.55	8.60	3	1	-1229	18.72	-7.55	8.60	3	1
-1228	17.18	-7.55	8.60	3	1	-1227	14.63	-7.55	8.60	3	1	-1226	13.57	-7.55	8.60	3	1
-1225	10.18	-7.55	8.60	3	1	-1224	9.12	-7.55	8.60	3	1	-1223	7.57	-7.55	8.60	3	1
-1222	5.90	-7.55	8.60	3	1	-1221	5.37	-7.55	8.60	3	1	-1220	3.92	-7.55	8.60	3	1
-1219	2.94	-7.55	8.60	3	1	-1218	1.96	-7.55	8.60	3	1	-1217	0.98	-7.55	8.60	3	1
-1216	0.00	-8.15	8.60	3	1	-1215	21.80	-8.21	8.60	3	1	-1214	14.10	-9.38	8.60	3	1
-1213	7.05	-9.38	8.60	3	1	-1212	21.80	-10.17	8.60	3	1	-1211	0.00	-10.17	8.60	3	1
-1210	14.10	-9.88	8.60	3	1	-1209	7.05	-9.88	8.60	3	1	-1208	21.18	-10.82	8.60	3	1
-1207	20.55	-10.82	8.60	3	1	-1206	19.93	-10.82	8.60	3	1	-1205	19.30	-10.82	8.60	3	1
-1204	18.68	-10.82	8.60	3	1	-1203	18.05	-10.82	8.60	3	1	-1202	17.43	-10.82	8.60	3	1
-1201	16.80	-10.82	8.60	3	1	-1200	12.69	-10.82	8.60	3	1	-1199	11.28	-10.82	8.60	3	1
-1198	9.87	-10.82	8.60	3	1	-1197	8.46	-10.82	8.60	3	1	-1196	5.64	-10.82	8.60	3	1
-1195	4.23	-10.82	8.60	3	1	-1194	2.82	-10.82	8.60	3	1	-1193	1.41	-10.82	8.60	3	1
-1192	21.80	-11.46	8.60	3	1	-1191	14.10	-11.78	8.60	3	1	-1190	7.05	-11.78	8.60	3	1
-1189	0.00	-11.46	8.60	3	1	-1188	21.80	-12.09	8.60	3	1	-1187	14.10	-12.34	8.60	3	1
-1186	7.05	-12.40	8.60	3	1	-1185	0.00	-12.09	8.60	3	1	-1184	21.80	-12.71	8.60	3	1
-1183	0.00	-12.71	8.60	3	1	-1182	21.80	-13.35	8.60	3	1	-1181	0.00	-13.35	8.60	3	1
-1180	21.80	-13.97	8.60	3	1	-1179	0.00	-13.97	8.60	3	1	-1178	21.80	-14.61	8.60	3	1
-1177	0.00	-14.61	8.60	3	1	-1175	7.05	-15.00	8.60	3	1	-1174	21.80	-15.23	8.60	3	1
-1173	0.00	-15.23	8.60	3	1	-1172	14.10	-14.97	8.60	3	1	-1170	21.80	-15.87	8.60	3	1
-1169	0.00	-15.87	8.60	3	1	-1168	14.10	-15.70	8.60	3	1	-1167	7.05	-15.70	8.60	3	1
-1166	21.80	-16.50	8.60	3	1	-1165	0.00	-16.50	8.60	3	1	-1164	21.13	-17.13	8.60	3	1
-1163	20.63	-17.13	8.60	3	1	-1162	18.62	-17.13	8.60	3	1	-1161	17.29	-17.13	8.60	3	1
-1160	15.13	-17.13	8.60	3	1	-1159	14.63	-17.13	8.60	3	1	-1158	13.57	-17.13	8.60	3	1
-1157	13.07	-17.13	8.60	3	1	-1156	11.17	-17.13	8.60	3	1	-1155	9.98	-17.13	8.60	3	1
-1154	8.08	-17.13	8.60	3	1	-1153	7.58	-17.13	8.60	3	1	-1152	6.52	-17.13	8.60	3	1
-1151	6.02	-17.13	8.60	3	1	-1150	4.12	-17.13	8.60	3	1	-1149	2.93	-17.13	8.60	3	1
-1148	1.30	-17.13	8.60	3	1	-1147	0.80	-17.13	8.60	3	1	-1146	9.65	0.00	8.10	0	1
-1145	9.04	0.00	8.10	0	1	-1144	8.43	0.00	8.10	0	1	-1143	7.82	0.00	8.10	0	1

Relazione di calcolo

-1142	7.21	0.00	8.10	0	1	-1141	6.59	0.00	8.10	0	1	-1140	5.98	0.00	8.10	0	1
-1139	5.37	0.00	8.10	0	1	-1138	4.76	0.00	8.10	0	1	-1137	4.15	0.00	8.10	0	1
-1136	0.00	0.00	8.10	0	1	-1135	0.00	-0.98	8.10	0	1	-1134	21.80	-7.55	8.10	0	1
-1133	21.29	-7.55	8.10	0	1	-1132	20.86	-7.55	8.10	0	1	-1131	14.10	-9.38	8.10	0	1
-1130	7.05	-9.38	8.10	0	1	-1129	14.10	-9.88	8.10	0	1	-1128	7.05	-9.88	8.10	0	1
-1127	21.80	-10.82	8.10	0	1	-1126	21.18	-10.82	8.10	0	1	-1125	20.55	-10.82	8.10	0	1
-1124	19.93	-10.82	8.10	0	1	-1123	19.30	-10.82	8.10	0	1	-1122	18.68	-10.82	8.10	0	1
-1121	18.05	-10.82	8.10	0	1	-1120	17.43	-10.82	8.10	0	1	-1119	16.80	-10.82	8.10	0	1
-1118	14.10	-10.82	8.10	0	1	-1117	7.05	-10.82	8.10	0	1	-1116	0.00	-10.82	8.10	0	1
-1115	21.80	-11.46	8.10	0	1	-1114	14.10	-11.78	8.10	0	1	-1113	7.05	-11.78	8.10	0	1
-1112	0.00	-11.46	8.10	0	1	-1111	21.80	-12.09	8.10	0	1	-1110	14.10	-12.34	8.10	0	1
-1109	7.05	-12.40	8.10	0	1	-1108	0.00	-12.09	8.10	0	1	-1107	21.80	-12.71	8.10	0	1
-1106	0.00	-12.71	8.10	0	1	-1105	21.80	-13.35	8.10	0	1	-1104	0.00	-13.35	8.10	0	1
-1103	21.80	-13.97	8.10	0	1	-1102	0.00	-13.97	8.10	0	1	-1101	21.80	-14.61	8.10	0	1
-1100	0.00	-14.61	8.10	0	1	-1099	21.80	-15.23	8.10	0	1	-1098	0.00	-15.23	8.10	0	1
-1096	7.05	-15.00	8.10	0	1	-1095	21.80	-15.87	8.10	0	1	-1094	0.00	-15.87	8.10	0	1
-1093	14.10	-15.70	8.10	0	1	-1092	7.05	-15.70	8.10	0	1	-1091	21.80	-16.50	8.10	0	1
-1090	0.00	-16.50	8.10	0	1	-1089	21.80	-17.13	8.10	0	1	-1088	21.13	-17.13	8.10	0	1
-1087	14.63	-17.13	8.10	0	1	-1086	14.10	-17.13	8.10	0	1	-1085	13.57	-17.13	8.10	0	1
-1084	7.58	-17.13	8.10	0	1	-1083	7.05	-17.13	8.10	0	1	-1082	6.52	-17.13	8.10	0	1
-1081	0.80	-17.13	8.10	0	1	-1080	0.00	-17.13	8.10	0	1	-1079	0.00	-6.95	7.92	0	1
-1078	14.63	-7.55	7.92	0	1	-1077	14.10	-7.55	7.92	0	1	-1076	13.57	-7.55	7.92	0	1
-1075	10.18	-7.55	7.92	0	1	-1074	9.65	-7.55	7.92	0	1	-1073	9.12	-7.55	7.92	0	1
-1072	5.90	-7.55	7.92	0	1	-1071	5.37	-7.55	7.92	0	1	-1070	4.90	-7.55	7.92	0	1
-1069	0.00	-7.55	7.92	0	1	-1068	0.00	-8.15	7.92	0	1	-1067	9.65	-4.25	7.75	0	1
-1066	9.15	-4.25	7.75	0	1	-1065	5.40	-4.25	7.75	0	1	-1064	4.90	-4.25	7.75	0	1
-1063	4.40	-4.25	7.75	0	1	-1062	0.50	-4.25	7.75	0	1	-1061	0.00	-4.25	7.75	0	1
-1060	14.10	-9.88	7.67	0	1	-1059	7.05	-9.88	7.67	0	1	-1058	14.10	-10.82	7.67	0	1
-1057	7.05	-10.82	7.67	0	1	-1056	14.10	-11.78	7.67	0	1	-1055	7.05	-11.78	7.67	0	1
-1054	14.10	-15.70	7.67	0	1	-1053	7.05	-15.70	7.67	0	1	-1052	14.63	-17.13	7.67	0	1
-1051	14.10	-17.13	7.67	0	1	-1050	13.57	-17.13	7.67	0	1	-1049	7.58	-17.13	7.67	0	1
-1048	7.05	-17.13	7.67	0	1	-1047	6.52	-17.13	7.67	0	1	-1046	9.65	0.00	7.24	0	1
-1045	9.04	0.00	7.24	0	1	-1044	8.43	0.00	7.24	0	1	-1043	7.82	0.00	7.24	0	1
-1042	7.21	0.00	7.24	0	1	-1041	6.59	0.00	7.24	0	1	-1040	5.98	0.00	7.24	0	1
-1039	5.37	0.00	7.24	0	1	-1038	4.76	0.00	7.24	0	1	-1037	4.15	0.00	7.24	0	1
-1036	0.00	0.00	7.24	0	1	-1035	0.00	-0.98	7.24	0	1	-1034	0.00	-6.95	7.24	0	1
-1033	21.80	-7.55	7.24	0	1	-1032	21.29	-7.55	7.24	0	1	-1031	20.86	-7.55	7.24	0	1
-1030	14.63	-7.55	7.24	0	1	-1029	14.10	-7.55	7.24	0	1	-1028	13.57	-7.55	7.24	0	1
-1027	10.18	-7.55	7.24	0	1	-1026	9.65	-7.55	7.24	0	1	-1025	9.12	-7.55	7.24	0	1
-1024	5.90	-7.55	7.24	0	1	-1023	5.37	-7.55	7.24	0	1	-1022	4.90	-7.55	7.24	0	1
-1021	0.00	-7.55	7.24	0	1	-1020	0.00	-8.15	7.24	0	1	-1019	14.10	-9.88	7.24	0	1
-1018	7.05	-9.88	7.24	0	1	-1017	21.80	-10.82	7.24	0	1	-1016	21.18	-10.82	7.24	0	1
-1015	20.55	-10.82	7.24	0	1	-1014	19.93	-10.82	7.24	0	1	-1013	19.30	-10.82	7.24	0	1
-1012	18.68	-10.82	7.24	0	1	-1011	18.05	-10.82	7.24	0	1	-1010	17.43	-10.82	7.24	0	1
-1009	16.80	-10.82	7.24	0	1	-1008	14.10	-10.82	7.24	0	1	-1007	7.05	-10.82	7.24	0	1
-1006	0.00	-10.82	7.24	0	1	-1005	21.80	-11.46	7.24	0	1	-1004	14.10	-11.78	7.24	0	1
-1003	7.05	-11.78	7.24	0	1	-1002	0.00	-11.46	7.24	0	1	-1001	21.80	-12.09	7.24	0	1
-1000	0.00	-12.09	7.24	0	1	-999	21.80	-12.71	7.24	0	1	-998	0.00	-12.71	7.24	0	1
-997	21.80	-13.35	7.24	0	1	-996	0.00	-13.35	7.24	0	1	-995	21.80	-13.97	7.24	0	1
-994	0.00	-13.97	7.24	0	1	-993	21.80	-14.61	7.24	0	1	-992	0.00	-14.61	7.24	0	1
-991	21.80	-15.23	7.24	0	1	-990	0.00	-15.23	7.24	0	1	-989	21.80	-15.87	7.24	0	1
-988	0.00	-15.87	7.24	0	1	-987	14.10	-15.70	7.24	0	1	-986	7.05	-15.70	7.24	0	1
-985	21.80	-16.50	7.24	0	1	-984	0.00	-16.50	7.24	0	1	-983	21.80	-17.13	7.24	0	1
-982	21.13	-17.13	7.24	0	1	-981	14.63	-17.13	7.24	0	1	-980	14.10	-17.13	7.24	0	1
-979	13.57	-17.13	7.24	0	1	-978	7.58	-17.13	7.24	0	1	-977	7.05	-17.13	7.24	0	1
-976	6.52	-17.13	7.24	0	1	-975	0.80	-17.13	7.24	0	1	-974	0.00	-17.13	7.24	0	1
-973	9.65	-4.25	6.90	0	1	-972	9.15	-4.25	6.90	0	1	-971	5.40	-4.25	6.90	0	1
-970	4.90	-4.25	6.90	0	1	-969	0.50	-4.25	6.90	0	1	-968	0.00	-4.25	6.90	0	1
-967	9.65	0.00	6.56	0	1	-966	9.04	0.00	6.56	0	1	-965	8.43	0.00	6.56	0	1
-964	7.82	0.00	6.56	0	1	-963	7.21	0.00	6.56	0	1	-962	6.59	0.00	6.56	0	1
-961	5.98	0.00	6.56	0	1	-960	5.37	0.00	6.56	0	1	-959	4.76	0.00	6.56	0	1
-958	4.15	0.00	6.56	0	1	-957	0.00	0.00	6.56	0	1	-956	0.00	-0.98	6.56	0	1
-955	0.00	-6.95	6.56	0	1	-954	21.80	-7.55	6.56	0	1	-953	21.29	-7.55	6.56	0	1
-952	20.86	-7.55	6.56	0	1	-951	14.63	-7.55	6.56	0	1	-950	14.10	-7.55	6.56	0	1
-949	13.57	-7.55	6.56	0	1	-948	10.18	-7.55	6.56	0	1	-947	9.65	-7.55	6.56	0	1
-946	9.12	-7.55	6.56	0	1	-945	5.90	-7.55	6.56	0	1	-944	5.37	-7.55	6.56	0	1
-943	4.90	-7.55	6.56	0	1	-942	0.00	-7.55	6.56	0	1	-941	0.00	-8.15	6.56	0	1
-940	14.10	-9.88	6.56	0	1	-939	7.05	-9.88	6.56	0	1	-938	21.80	-10.82	6.56	0	1
-937	21.18	-10.82	6.56	0	1	-936	20.55	-10.82	6.56	0	1	-935	19.93	-10.82	6.56	0	1
-934	19.30	-10.82	6.56	0	1	-933	18.68	-10.82	6.56	0	1	-932	18.05	-10.82	6.56	0	1
-931	17.43	-10.82	6.56	0	1	-930	16.80	-10.82	6.56	0	1	-929	14.10	-10.82	6.56	0	1
-928	7.05	-10.82	6.56	0	1	-927	0.00	-10.82	6.56	0	1	-926	21.80	-11.46	6.56	0	1
-925	14.10	-11.78	6.56	0	1	-924	7.05	-11.78	6.56	0	1	-923	0.00	-11.46	6.56	0	1
-922	21.80	-12.09	6.56	0	1	-921	0.00	-12.09	6.56	0	1	-920	21.80	-12.71	6.56	0	1
-919	0.00	-12.71	6.56	0	1	-918	21.80	-13.35	6.56	0	1	-917	0.00	-13.35	6.56	0	1
-916	21.80	-13.97	6.56	0	1	-915	0.00	-13.97	6.56	0	1	-914	21.80	-14.61	6.56	0	1
-913	0.00	-14.61	6.56	0	1	-912	21.80	-15.23	6.56	0	1	-911	0.00	-15.23	6.56	0	1
-910	21.80	-15.87	6.56	0	1	-909	0.00	-15.87	6.56	0	1	-908	14.10	-15.70	6.56	0	1
-907	7.05	-15.70	6.56	0	1	-906	21.80	-16.50	6.56	0	1	-905	0.00	-16.50	6.56	0	1

Relazione di calcolo

-904	21.80	-17.13	6.56	0	1	-903	21.13	-17.13	6.56	0	1	-902	14.63	-17.13	6.56	0	1
-901	14.10	-17.13	6.56	0	1	-900	13.57	-17.13	6.56	0	1	-899	7.58	-17.13	6.56	0	1
-898	7.05	-17.13	6.56	0	1	-897	6.52	-17.13	6.56	0	1	-896	0.80	-17.13	6.56	0	1
-895	0.00	-17.13	6.56	0	1	-894	9.65	-4.25	6.05	0	1	-893	9.15	-4.25	6.05	0	1
-892	5.40	-4.25	6.05	0	1	-891	4.90	-4.25	6.05	0	1	-890	0.50	-4.25	6.05	0	1
-889	0.00	-4.25	6.05	0	1	-888	9.65	0.00	5.88	0	1	-887	9.04	0.00	5.88	0	1
-886	8.43	0.00	5.88	0	1	-885	7.82	0.00	5.88	0	1	-884	7.21	0.00	5.88	0	1
-883	6.59	0.00	5.88	0	1	-882	5.98	0.00	5.88	0	1	-881	5.37	0.00	5.88	0	1
-880	4.76	0.00	5.88	0	1	-879	4.15	0.00	5.88	0	1	-878	0.00	0.00	5.88	0	1
-877	0.00	-0.98	5.88	0	1	-876	0.00	-6.95	5.88	0	1	-875	21.80	-7.55	5.88	0	1
-874	21.29	-7.55	5.88	0	1	-873	20.86	-7.55	5.88	0	1	-872	14.63	-7.55	5.88	0	1
-871	14.10	-7.55	5.88	0	1	-870	13.57	-7.55	5.88	0	1	-869	10.18	-7.55	5.88	0	1
-868	9.65	-7.55	5.88	0	1	-867	9.12	-7.55	5.88	0	1	-866	5.90	-7.55	5.88	0	1
-865	5.37	-7.55	5.88	0	1	-864	4.90	-7.55	5.88	0	1	-863	0.00	-7.55	5.88	0	1
-862	0.00	-8.15	5.88	0	1	-861	14.10	-9.88	5.88	0	1	-860	7.05	-9.88	5.88	0	1
-859	21.80	-10.82	5.88	0	1	-858	21.18	-10.82	5.88	0	1	-857	20.55	-10.82	5.88	0	1
-856	19.93	-10.82	5.88	0	1	-855	19.30	-10.82	5.88	0	1	-854	18.68	-10.82	5.88	0	1
-853	18.05	-10.82	5.88	0	1	-852	17.43	-10.82	5.88	0	1	-851	16.80	-10.82	5.88	0	1
-850	14.10	-10.82	5.88	0	1	-849	7.05	-10.82	5.88	0	1	-848	0.00	-10.82	5.88	0	1
-847	21.80	-11.46	5.88	0	1	-846	14.10	-11.78	5.88	0	1	-845	7.05	-11.78	5.88	0	1
-844	0.00	-11.46	5.88	0	1	-843	21.80	-12.09	5.88	0	1	-842	0.00	-12.09	5.88	0	1
-841	21.80	-12.71	5.88	0	1	-840	0.00	-12.71	5.88	0	1	-839	21.80	-13.35	5.88	0	1
-838	0.00	-13.35	5.88	0	1	-837	21.80	-13.97	5.88	0	1	-836	0.00	-13.97	5.88	0	1
-835	21.80	-14.61	5.88	0	1	-834	0.00	-14.61	5.88	0	1	-833	21.80	-15.23	5.88	0	1
-832	0.00	-15.23	5.88	0	1	-831	21.80	-15.87	5.88	0	1	-830	0.00	-15.87	5.88	0	1
-829	14.10	-15.70	5.88	0	1	-828	7.05	-15.70	5.88	0	1	-827	21.80	-16.50	5.88	0	1
-826	0.00	-16.50	5.88	0	1	-825	21.80	-17.13	5.88	0	1	-824	21.13	-17.13	5.88	0	1
-823	14.63	-17.13	5.88	0	1	-822	14.10	-17.13	5.88	0	1	-821	13.57	-17.13	5.88	0	1
-820	7.58	-17.13	5.88	0	1	-819	7.05	-17.13	5.88	0	1	-818	6.52	-17.13	5.88	0	1
-817	0.80	-17.13	5.88	0	1	-816	0.00	-17.13	5.88	0	1	-815	9.04	0.00	5.20	2	1
-814	8.43	0.00	5.20	2	1	-813	7.82	0.00	5.20	2	1	-812	7.21	0.00	5.20	2	1
-811	6.59	0.00	5.20	2	1	-810	5.98	0.00	5.20	2	1	-809	5.37	0.00	5.20	2	1
-808	4.76	0.00	5.20	2	1	-804	0.00	-0.98	5.20	2	1	-803	0.00	-1.49	5.20	2	1
-802	0.00	-3.85	5.20	2	1	-801	9.15	-4.25	5.20	2	1	-800	7.75	-4.25	5.20	2	1
-799	6.80	-4.25	5.20	2	1	-798	5.40	-4.25	5.20	2	1	-797	4.40	-4.25	5.20	2	1
-796	2.94	-4.25	5.20	2	1	-795	1.96	-4.25	5.20	2	1	-794	0.50	-4.25	5.20	2	1
-793	0.00	-4.65	5.20	2	1	-792	4.90	-4.91	5.20	2	1	-791	4.90	-6.89	5.20	2	1
-790	0.00	-6.95	5.20	2	1	-789	21.29	-7.55	5.20	2	1	-788	20.86	-7.55	5.20	2	1
-787	20.26	-7.55	5.20	2	1	-786	14.63	-7.55	5.20	2	1	-785	13.57	-7.55	5.20	2	1
-784	10.18	-7.55	5.20	2	1	-783	9.12	-7.55	5.20	2	1	-782	7.57	-7.55	5.20	2	1
-781	5.90	-7.55	5.20	2	1	-780	5.37	-7.55	5.20	2	1	-779	3.92	-7.55	5.20	2	1
-778	0.98	-7.55	5.20	2	1	-777	0.00	-8.15	5.20	2	1	-776	21.80	-8.21	5.20	2	1
-775	7.05	-8.21	5.20	2	1	-774	14.10	-9.38	5.20	2	1	-773	7.05	-9.38	5.20	2	1
-772	21.80	-10.17	5.20	2	1	-771	14.10	-9.88	5.20	2	1	-770	7.05	-9.88	5.20	2	1
-769	21.18	-10.82	5.20	2	1	-768	20.55	-10.82	5.20	2	1	-767	19.93	-10.82	5.20	2	1
-766	19.30	-10.82	5.20	2	1	-765	18.68	-10.82	5.20	2	1	-764	18.05	-10.82	5.20	2	1
-763	17.43	-10.82	5.20	2	1	-762	16.80	-10.82	5.20	2	1	-761	12.69	-10.82	5.20	2	1
-760	8.46	-10.82	5.20	2	1	-759	5.64	-10.82	5.20	2	1	-758	1.41	-10.82	5.20	2	1
-757	21.80	-11.46	5.20	2	1	-756	14.10	-11.78	5.20	2	1	-755	7.05	-11.78	5.20	2	1
-754	0.00	-11.46	5.20	2	1	-753	21.80	-12.09	5.20	2	1	-752	14.10	-12.34	5.20	2	1
-751	7.05	-12.40	5.20	2	1	-750	0.00	-12.09	5.20	2	1	-749	21.80	-12.71	5.20	2	1
-748	0.00	-12.71	5.20	2	1	-747	21.80	-13.35	5.20	2	1	-746	0.00	-13.35	5.20	2	1
-745	21.80	-13.97	5.20	2	1	-744	0.00	-13.97	5.20	2	1	-743	21.80	-14.61	5.20	2	1
-742	0.00	-14.61	5.20	2	1	-740	7.05	-15.00	5.20	2	1	-739	21.80	-15.23	5.20	2	1
-738	0.00	-15.23	5.20	2	1	-737	14.10	-14.97	5.20	2	1	-735	21.80	-15.87	5.20	2	1
-734	0.00	-15.87	5.20	2	1	-733	14.10	-15.70	5.20	2	1	-732	7.05	-15.70	5.20	2	1
-731	21.80	-16.50	5.20	2	1	-730	0.00	-16.50	5.20	2	1	-729	21.13	-17.13	5.20	2	1
-728	20.63	-17.13	5.20	2	1	-727	15.13	-17.13	5.20	2	1	-726	14.63	-17.13	5.20	2	1
-725	13.57	-17.13	5.20	2	1	-724	13.07	-17.13	5.20	2	1	-723	8.08	-17.13	5.20	2	1
-722	7.58	-17.13	5.20	2	1	-721	6.52	-17.13	5.20	2	1	-720	6.02	-17.13	5.20	2	1
-719	1.30	-17.13	5.20	2	1	-718	0.80	-17.13	5.20	2	1	-717	9.65	0.00	4.70	0	1
-716	9.04	0.00	4.70	0	1	-715	8.43	0.00	4.70	0	1	-714	7.82	0.00	4.70	0	1
-713	7.21	0.00	4.70	0	1	-712	6.59	0.00	4.70	0	1	-711	5.98	0.00	4.70	0	1
-710	5.37	0.00	4.70	0	1	-709	4.76	0.00	4.70	0	1	-708	4.15	0.00	4.70	0	1
-707	0.00	0.00	4.70	0	1	-706	0.00	-0.98	4.70	0	1	-705	21.80	-7.55	4.70	0	1
-704	21.29	-7.55	4.70	0	1	-703	20.86	-7.55	4.70	0	1	-702	14.10	-9.38	4.70	0	1
-701	7.05	-9.38	4.70	0	1	-700	14.10	-9.88	4.70	0	1	-699	7.05	-9.88	4.70	0	1
-698	21.80	-10.82	4.70	0	1	-697	21.18	-10.82	4.70	0	1	-696	20.55	-10.82	4.70	0	1
-695	19.93	-10.82	4.70	0	1	-694	19.30	-10.82	4.70	0	1	-693	18.68	-10.82	4.70	0	1
-692	18.05	-10.82	4.70	0	1	-691	17.43	-10.82	4.70	0	1	-690	16.80	-10.82	4.70	0	1
-689	14.10	-10.82	4.70	0	1	-688	7.05	-10.82	4.70	0	1	-687	0.00	-10.82	4.70	0	1
-686	21.80	-11.46	4.70	0	1	-685	14.10	-11.78	4.70	0	1	-684	7.05	-11.78	4.70	0	1
-683	0.00	-11.46	4.70	0	1	-682	21.80	-12.09	4.70	0	1	-681	14.10	-12.34	4.70	0	1
-680	7.05	-12.40	4.70	0	1	-679	0.00	-12.09	4.70	0	1	-678	21.80	-12.71	4.70	0	1
-677	0.00	-12.71	4.70	0	1	-676	21.80	-13.35	4.70	0	1	-675	0.00	-13.35	4.70	0	1
-674	21.80	-13.97	4.70	0	1	-673	0.00	-13.97	4.70	0	1	-672	21.80	-14.61	4.70	0	1
-671	0.00	-14.61	4.70	0	1	-670	21.80	-15.23	4.70	0	1	-669	0.00	-15.23	4.70	0	1
-667	7.05	-15.00	4.70	0	1	-666	21.80	-15.87	4.70	0	1	-665	0.00	-15.87	4.70	0	1
-664	14.10	-15.70	4.70	0	1	-663	7.05	-15.70	4.70	0	1	-662	21.80	-16.50	4.70	0	1

Relazione di calcolo

-661	0.00	-16.50	4.70	0	1	-660	21.80	-17.13	4.70	0	1	-659	21.13	-17.13	4.70	0	1
-658	20.63	-17.13	4.70	0	1	-657	14.63	-17.13	4.70	0	1	-656	14.10	-17.13	4.70	0	1
-655	13.57	-17.13	4.70	0	1	-654	7.58	-17.13	4.70	0	1	-653	7.05	-17.13	4.70	0	1
-652	6.52	-17.13	4.70	0	1	-651	0.80	-17.13	4.70	0	1	-650	0.00	-17.13	4.70	0	1
-649	0.00	-6.95	4.52	0	1	-648	14.63	-7.55	4.52	0	1	-647	14.10	-7.55	4.52	0	1
-646	13.57	-7.55	4.52	0	1	-645	10.18	-7.55	4.52	0	1	-644	9.65	-7.55	4.52	0	1
-643	9.12	-7.55	4.52	0	1	-642	5.90	-7.55	4.52	0	1	-641	5.37	-7.55	4.52	0	1
-640	4.90	-7.55	4.52	0	1	-639	0.00	-7.55	4.52	0	1	-638	0.00	-8.15	4.52	0	1
-637	9.65	-4.25	4.35	0	1	-636	9.15	-4.25	4.35	0	1	-635	5.40	-4.25	4.35	0	1
-634	4.90	-4.25	4.35	0	1	-633	4.40	-4.25	4.35	0	1	-632	0.50	-4.25	4.35	0	1
-631	0.00	-4.25	4.35	0	1	-630	14.10	-9.88	4.27	0	1	-629	7.05	-9.88	4.27	0	1
-628	14.10	-10.82	4.27	0	1	-627	7.05	-10.82	4.27	0	1	-626	14.10	-11.78	4.27	0	1
-625	7.05	-11.78	4.27	0	1	-624	14.10	-15.70	4.27	0	1	-623	7.05	-15.70	4.27	0	1
-622	14.63	-17.13	4.27	0	1	-621	14.10	-17.13	4.27	0	1	-620	13.57	-17.13	4.27	0	1
-619	7.58	-17.13	4.27	0	1	-618	7.05	-17.13	4.27	0	1	-617	6.52	-17.13	4.27	0	1
-616	9.65	0.00	3.84	0	1	-615	9.04	0.00	3.84	0	1	-614	8.43	0.00	3.84	0	1
-613	7.82	0.00	3.84	0	1	-612	7.21	0.00	3.84	0	1	-611	6.59	0.00	3.84	0	1
-610	5.98	0.00	3.84	0	1	-609	5.37	0.00	3.84	0	1	-608	4.76	0.00	3.84	0	1
-607	4.15	0.00	3.84	0	1	-606	0.00	0.00	3.84	0	1	-605	0.00	-0.98	3.84	0	1
-604	0.00	-6.95	3.84	0	1	-603	21.80	-7.55	3.84	0	1	-602	21.29	-7.55	3.84	0	1
-601	20.86	-7.55	3.84	0	1	-600	14.63	-7.55	3.84	0	1	-599	14.10	-7.55	3.84	0	1
-598	13.57	-7.55	3.84	0	1	-597	10.18	-7.55	3.84	0	1	-596	9.65	-7.55	3.84	0	1
-595	9.12	-7.55	3.84	0	1	-594	5.90	-7.55	3.84	0	1	-593	5.37	-7.55	3.84	0	1
-592	4.90	-7.55	3.84	0	1	-591	0.00	-7.55	3.84	0	1	-589	14.10	-9.88	3.84	0	1
-588	7.05	-9.88	3.84	0	1	-587	21.80	-10.82	3.84	0	1	-586	21.18	-10.82	3.84	0	1
-585	20.55	-10.82	3.84	0	1	-584	19.93	-10.82	3.84	0	1	-583	19.30	-10.82	3.84	0	1
-582	18.68	-10.82	3.84	0	1	-581	18.05	-10.82	3.84	0	1	-580	17.43	-10.82	3.84	0	1
-579	16.80	-10.82	3.84	0	1	-578	14.10	-10.82	3.84	0	1	-577	7.05	-10.82	3.84	0	1
-576	0.00	-10.82	3.84	0	1	-575	21.80	-11.46	3.84	0	1	-574	14.10	-11.78	3.84	0	1
-573	7.05	-11.78	3.84	0	1	-572	0.00	-11.46	3.84	0	1	-571	21.80	-12.09	3.84	0	1
-570	0.00	-12.09	3.84	0	1	-569	21.80	-12.71	3.84	0	1	-568	0.00	-12.71	3.84	0	1
-567	21.80	-13.35	3.84	0	1	-566	0.00	-13.35	3.84	0	1	-565	21.80	-13.97	3.84	0	1
-564	0.00	-13.97	3.84	0	1	-563	21.80	-14.61	3.84	0	1	-562	0.00	-14.61	3.84	0	1
-561	21.80	-15.23	3.84	0	1	-560	0.00	-8.15	3.84	0	1	-559	21.80	-15.87	3.84	0	1
-558	0.00	-15.87	3.84	0	1	-557	14.10	-15.70	3.84	0	1	-556	7.05	-15.70	3.84	0	1
-555	21.80	-16.50	3.84	0	1	-554	0.00	-16.50	3.84	0	1	-553	21.80	-17.13	3.84	0	1
-552	21.13	-17.13	3.84	0	1	-551	14.63	-17.13	3.84	0	1	-550	14.10	-17.13	3.84	0	1
-549	13.57	-17.13	3.84	0	1	-548	7.58	-17.13	3.84	0	1	-547	7.05	-17.13	3.84	0	1
-546	6.52	-17.13	3.84	0	1	-545	0.80	-17.13	3.84	0	1	-544	0.00	-17.13	3.84	0	1
-543	9.65	-4.25	3.50	0	1	-542	9.15	-4.25	3.50	0	1	-541	5.40	-4.25	3.50	0	1
-540	4.90	-4.25	3.50	0	1	-539	0.50	-4.25	3.50	0	1	-538	0.00	-4.25	3.50	0	1
-537	9.65	0.00	3.16	0	1	-536	9.04	0.00	3.16	0	1	-535	8.43	0.00	3.16	0	1
-534	7.82	0.00	3.16	0	1	-533	7.21	0.00	3.16	0	1	-532	6.59	0.00	3.16	0	1
-531	5.98	0.00	3.16	0	1	-530	5.37	0.00	3.16	0	1	-529	4.76	0.00	3.16	0	1
-528	4.15	0.00	3.16	0	1	-527	0.00	0.00	3.16	0	1	-526	0.00	-0.98	3.16	0	1
-525	0.00	-6.95	3.16	0	1	-524	21.80	-7.55	3.16	0	1	-523	21.29	-7.55	3.16	0	1
-522	20.86	-7.55	3.16	0	1	-521	14.63	-7.55	3.16	0	1	-520	14.10	-7.55	3.16	0	1
-519	13.57	-7.55	3.16	0	1	-518	10.18	-7.55	3.16	0	1	-517	9.65	-7.55	3.16	0	1
-516	9.12	-7.55	3.16	0	1	-515	5.90	-7.55	3.16	0	1	-514	5.37	-7.55	3.16	0	1
-513	4.90	-7.55	3.16	0	1	-512	0.00	-7.55	3.16	0	1	-511	0.00	-8.15	3.16	0	1
-510	14.10	-9.88	3.16	0	1	-509	7.05	-9.88	3.16	0	1	-508	21.80	-10.82	3.16	0	1
-507	21.18	-10.82	3.16	0	1	-506	20.55	-10.82	3.16	0	1	-505	19.93	-10.82	3.16	0	1
-504	19.30	-10.82	3.16	0	1	-503	18.68	-10.82	3.16	0	1	-502	18.05	-10.82	3.16	0	1
-501	17.43	-10.82	3.16	0	1	-500	16.80	-10.82	3.16	0	1	-499	14.10	-10.82	3.16	0	1
-498	7.05	-10.82	3.16	0	1	-497	0.00	-10.82	3.16	0	1	-496	21.80	-11.46	3.16	0	1
-495	14.10	-11.78	3.16	0	1	-494	7.05	-11.78	3.16	0	1	-493	0.00	-11.46	3.16	0	1
-492	21.80	-12.09	3.16	0	1	-491	0.00	-12.09	3.16	0	1	-490	21.80	-12.71	3.16	0	1
-489	0.00	-12.71	3.16	0	1	-488	21.80	-13.35	3.16	0	1	-487	0.00	-13.35	3.16	0	1
-486	21.80	-13.97	3.16	0	1	-485	0.00	-13.97	3.16	0	1	-484	21.80	-14.61	3.16	0	1
-483	0.00	-14.61	3.16	0	1	-482	21.80	-15.23	3.16	0	1	-481	0.00	-15.23	3.16	0	1
-480	21.80	-15.87	3.16	0	1	-479	0.00	-15.87	3.16	0	1	-478	14.10	-15.70	3.16	0	1
-477	7.05	-15.70	3.16	0	1	-476	21.80	-16.50	3.16	0	1	-475	0.00	-16.50	3.16	0	1
-474	21.80	-17.13	3.16	0	1	-473	21.13	-17.13	3.16	0	1	-472	14.63	-17.13	3.16	0	1
-471	14.10	-17.13	3.16	0	1	-470	13.57	-17.13	3.16	0	1	-469	7.58	-17.13	3.16	0	1
-468	7.05	-17.13	3.16	0	1	-467	6.52	-17.13	3.16	0	1	-466	0.80	-17.13	3.16	0	1
-465	0.00	-17.13	3.16	0	1	-464	9.65	-4.25	2.65	0	1	-463	9.15	-4.25	2.65	0	1
-462	5.40	-4.25	2.65	0	1	-461	4.90	-4.25	2.65	0	1	-460	0.50	-4.25	2.65	0	1
-459	0.00	-4.25	2.65	0	1	-458	9.65	0.00	2.48	0	1	-457	9.04	0.00	2.48	0	1
-456	8.43	0.00	2.48	0	1	-455	7.82	0.00	2.48	0	1	-454	7.21	0.00	2.48	0	1
-453	6.59	0.00	2.48	0	1	-452	5.98	0.00	2.48	0	1	-451	5.37	0.00	2.48	0	1
-450	4.76	0.00	2.48	0	1	-449	4.15	0.00	2.48	0	1	-448	0.00	0.00	2.48	0	1
-447	0.00	-0.98	2.48	0	1	-446	0.00	-6.95	2.48	0	1	-445	21.80	-7.55	2.48	0	1
-444	21.29	-7.55	2.48	0	1	-443	20.86	-7.55	2.48	0	1	-442	14.63	-7.55	2.48	0	1
-441	14.10	-7.55	2.48	0	1	-440	13.57	-7.55	2.48	0	1	-439	10.18	-7.55	2.48	0	1
-438	9.65	-7.55	2.48	0	1	-437	9.12	-7.55	2.48	0	1	-436	5.90	-7.55	2.48	0	1
-435	5.37	-7.55	2.48	0	1	-434	4.90	-7.55	2.48	0	1	-433	0.00	-7.55	2.48	0	1
-432	0.00	-8.15	2.48	0	1	-431	14.10	-9.88	2.48	0	1	-430	7.05	-9.88	2.48	0	1
-429	21.80	-10.82	2.48	0	1	-428	21.18	-10.82	2.48	0	1	-427	20.55	-10.82	2.48	0	1
-426	19.93	-10.82	2.48	0	1	-425	19.30	-10.82	2.48	0	1	-424	18.68	-10.82	2.48	0	1

Relazione di calcolo

-423	18.05	-10.82	2.48	0	1	-422	17.43	-10.82	2.48	0	1	-421	16.80	-10.82	2.48	0	1
-420	14.10	-10.82	2.48	0	1	-419	7.05	-10.82	2.48	0	1	-418	0.00	-10.82	2.48	0	1
-417	21.80	-11.46	2.48	0	1	-416	14.10	-11.78	2.48	0	1	-415	7.05	-11.78	2.48	0	1
-414	0.00	-11.46	2.48	0	1	-413	21.80	-12.09	2.48	0	1	-412	0.00	-12.09	2.48	0	1
-411	21.80	-12.71	2.48	0	1	-410	0.00	-12.71	2.48	0	1	-409	21.80	-13.35	2.48	0	1
-408	0.00	-13.35	2.48	0	1	-407	21.80	-13.97	2.48	0	1	-406	0.00	-13.97	2.48	0	1
-405	21.80	-14.61	2.48	0	1	-404	0.00	-14.61	2.48	0	1	-403	21.80	-15.23	2.48	0	1
-402	0.00	-15.23	2.48	0	1	-401	21.80	-15.87	2.48	0	1	-400	0.00	-15.87	2.48	0	1
-399	14.10	-15.70	2.48	0	1	-397	21.80	-16.50	2.48	0	1	-396	0.00	-16.50	2.48	0	1
-395	21.80	-17.13	2.48	0	1	-394	21.13	-17.13	2.48	0	1	-393	14.63	-17.13	2.48	0	1
-392	14.10	-17.13	2.48	0	1	-391	13.57	-17.13	2.48	0	1	-390	7.58	-17.13	2.48	0	1
-389	7.05	-17.13	2.48	0	1	-388	6.52	-17.13	2.48	0	1	-387	0.80	-17.13	2.48	0	1
-386	0.00	-17.13	2.48	0	1	-385	9.04	0.00	1.80	1	1	-384	8.43	0.00	1.80	1	1
-383	7.82	0.00	1.80	1	1	-382	7.21	0.00	1.80	1	1	-381	6.59	0.00	1.80	1	1
-380	5.98	0.00	1.80	1	1	-379	5.37	0.00	1.80	1	1	-378	4.76	0.00	1.80	1	1
-373	0.00	-1.79	1.80	1	1	-372	0.00	-3.85	1.80	1	1	-371	9.15	-4.25	1.80	1	1
-370	7.75	-4.25	1.80	1	1	-369	6.80	-4.25	1.80	1	1	-368	5.40	-4.25	1.80	1	1
-367	4.40	-4.25	1.80	1	1	-366	2.94	-4.25	1.80	1	1	-365	1.96	-4.25	1.80	1	1
-364	0.50	-4.25	1.80	1	1	-363	0.00	-4.65	1.80	1	1	-362	4.90	-4.91	1.80	1	1
-361	4.90	-6.89	1.80	1	1	-360	0.00	-6.95	1.80	1	1	-359	21.29	-7.55	1.80	1	1
-358	20.86	-7.55	1.80	1	1	-357	20.26	-7.55	1.80	1	1	-356	14.63	-7.55	1.80	1	1
-355	13.57	-7.55	1.80	1	1	-354	10.18	-7.55	1.80	1	1	-353	9.12	-7.55	1.80	1	1
-352	7.57	-7.55	1.80	1	1	-351	5.90	-7.55	1.80	1	1	-350	5.37	-7.55	1.80	1	1
-349	3.92	-7.55	1.80	1	1	-348	0.98	-7.55	1.80	1	1	-347	0.00	-8.15	1.80	1	1
-346	21.80	-8.21	1.80	1	1	-345	7.05	-8.21	1.80	1	1	-344	14.10	-9.38	1.80	1	1
-343	7.05	-9.38	1.80	1	1	-342	21.80	-10.17	1.80	1	1	-341	14.10	-9.88	1.80	1	1
-340	7.05	-9.88	1.80	1	1	-339	21.18	-10.82	1.80	1	1	-338	20.55	-10.82	1.80	1	1
-337	19.93	-10.82	1.80	1	1	-336	19.30	-10.82	1.80	1	1	-335	18.68	-10.82	1.80	1	1
-334	18.05	-10.82	1.80	1	1	-333	17.43	-10.82	1.80	1	1	-332	16.80	-10.82	1.80	1	1
-331	12.69	-10.82	1.80	1	1	-330	8.46	-10.82	1.80	1	1	-329	5.64	-10.82	1.80	1	1
-328	1.41	-10.82	1.80	1	1	-327	21.80	-11.46	1.80	1	1	-326	14.10	-11.78	1.80	1	1
-325	7.05	-11.78	1.80	1	1	-324	0.00	-11.46	1.80	1	1	-323	21.80	-12.09	1.80	1	1
-322	14.10	-12.34	1.80	1	1	-321	7.05	-12.34	1.80	1	1	-320	0.00	-12.09	1.80	1	1
-319	21.80	-12.71	1.80	1	1	-318	0.00	-12.71	1.80	1	1	-317	21.80	-13.35	1.80	1	1
-316	0.00	-13.35	1.80	1	1	-315	21.80	-13.97	1.80	1	1	-314	0.00	-13.97	1.80	1	1
-313	21.80	-14.61	1.80	1	1	-312	0.00	-14.61	1.80	1	1	-311	14.10	-14.50	1.80	1	1
-310	7.05	-14.50	1.80	1	1	-309	21.80	-15.23	1.80	1	1	-308	0.00	-15.23	1.80	1	1
-307	14.10	-15.13	1.80	1	1	-306	7.05	-15.13	1.80	1	1	-305	21.80	-15.87	1.80	1	1
-304	0.00	-15.87	1.80	1	1	-303	14.10	-15.70	1.80	1	1	-302	7.05	-15.70	1.80	1	1
-301	21.80	-16.50	1.80	1	1	-300	0.00	-16.50	1.80	1	1	-299	21.13	-17.13	1.80	1	1
-298	20.68	-17.13	1.80	1	1	-297	15.13	-17.13	1.80	1	1	-296	14.63	-17.13	1.80	1	1
-295	13.57	-17.13	1.80	1	1	-294	13.07	-17.13	1.80	1	1	-293	8.08	-17.13	1.80	1	1
-292	7.58	-17.13	1.80	1	1	-291	6.52	-17.13	1.80	1	1	-290	6.02	-17.13	1.80	1	1
-289	1.26	-17.13	1.80	1	1	-288	0.80	-17.13	1.80	1	1	-287	14.10	-9.38	1.30	0	1
-286	7.05	-9.38	1.30	0	1	-285	14.10	-9.88	1.30	0	1	-284	7.05	-9.88	1.30	0	1
-283	14.10	-10.82	1.30	0	1	-282	7.05	-10.82	1.30	0	1	-281	14.10	-11.78	1.30	0	1
-280	7.05	-11.78	1.30	0	1	-279	14.10	-12.34	1.30	0	1	-278	7.05	-12.34	1.30	0	1
-277	14.10	-14.50	1.30	0	1	-276	7.05	-14.50	1.30	0	1	-275	14.10	-15.13	1.30	0	1
-274	7.05	-15.13	1.30	0	1	-273	14.10	-15.70	1.30	0	1	-272	7.05	-15.70	1.30	0	1
-271	15.13	-17.13	1.30	0	1	-270	14.63	-17.13	1.30	0	1	-269	14.10	-17.13	1.30	0	1
-268	13.57	-17.13	1.30	0	1	-267	13.07	-17.13	1.30	0	1	-266	8.08	-17.13	1.30	0	1
-265	7.58	-17.13	1.30	0	1	-264	7.05	-17.13	1.30	0	1	-263	6.52	-17.13	1.30	0	1
-262	6.02	-17.13	1.30	0	1	-261	9.65	0.00	1.20	0	1	-260	9.04	0.00	1.20	0	1
-259	8.43	0.00	1.20	0	1	-258	7.82	0.00	1.20	0	1	-257	7.21	0.00	1.20	0	1
-256	6.59	0.00	1.20	0	1	-255	5.98	0.00	1.20	0	1	-254	5.37	0.00	1.20	0	1
-253	4.76	0.00	1.20	0	1	-252	4.15	0.00	1.20	0	1	-251	0.00	0.00	1.20	0	1
-249	0.00	-0.98	1.20	0	1	-248	0.00	-1.79	1.20	0	1	-247	9.65	-4.25	1.20	0	1
-246	9.15	-4.25	1.20	0	1	-245	5.40	-4.25	1.20	0	1	-244	4.90	-4.25	1.20	0	1
-243	4.40	-4.25	1.20	0	1	-242	0.50	-4.25	1.20	0	1	-241	0.00	-4.25	1.20	0	1
-240	0.00	-6.95	1.20	0	1	-239	21.80	-7.55	1.20	0	1	-238	21.29	-7.55	1.20	0	1
-237	20.86	-7.55	1.20	0	1	-236	14.63	-7.55	1.20	0	1	-235	14.10	-7.55	1.20	0	1
-234	13.57	-7.55	1.20	0	1	-233	10.18	-7.55	1.20	0	1	-232	9.65	-7.55	1.20	0	1
-231	9.12	-7.55	1.20	0	1	-230	5.90	-7.55	1.20	0	1	-229	5.37	-7.55	1.20	0	1
-228	4.90	-7.55	1.20	0	1	-227	0.00	-7.55	1.20	0	1	-226	0.00	-8.15	1.20	0	1
-225	21.80	-10.82	1.20	0	1	-224	21.18	-10.82	1.20	0	1	-223	20.55	-10.82	1.20	0	1
-222	19.93	-10.82	1.20	0	1	-221	19.30	-10.82	1.20	0	1	-220	18.68	-10.82	1.20	0	1
-219	18.05	-10.82	1.20	0	1	-218	17.43	-10.82	1.20	0	1	-217	16.80	-10.82	1.20	0	1
-216	0.00	-10.82	1.20	0	1	-215	21.80	-11.46	1.20	0	1	-214	0.00	-11.46	1.20	0	1
-213	21.80	-12.09	1.20	0	1	-212	0.00	-12.09	1.20	0	1	-211	21.80	-12.71	1.20	0	1
-210	0.00	-12.71	1.20	0	1	-209	21.80	-13.35	1.20	0	1	-208	0.00	-13.35	1.20	0	1
-207	21.80	-13.97	1.20	0	1	-206	0.00	-13.97	1.20	0	1	-205	21.80	-14.61	1.20	0	1
-204	0.00	-14.61	1.20	0	1	-203	21.80	-15.23	1.20	0	1	-202	0.00	-15.23	1.20	0	1
-201	21.80	-15.87	1.20	0	1	-200	0.00	-15.87	1.20	0	1	-199	21.80	-16.50	1.20	0	1
-198	0.00	-16.50	1.20	0	1	-197	21.80	-17.13	1.20	0	1	-196	21.13	-17.13	1.20	0	1
-195	20.68	-17.13	1.20	0	1	-194	1.26	-17.13	1.20	0	1	-193	0.80	-17.13	1.20	0	1
-192	0.00	-17.13	1.20	0	1	-191	9.65	0.00	0.60	0	1	-190	9.04	0.00	0.60	0	1
-189	8.43	0.00	0.60	0	1	-188	7.82	0.00	0.60	0	1	-187	7.21	0.00	0.60	0	1
-186	6.59	0.00	0.60	0	1	-185	5.98	0.00	0.60	0	1	-184	5.37	0.00	0.60	0	1
-183	4.76	0.00	0.60	0	1	-182	4.15	0.00	0.60	0	1	-181	0.00	0.00	0.60	0	1

Relazione di calcolo

-179	0.00	-0.98	0.60	0	1	-178	0.00	-1.79	0.60	0	1	-177	9.65	-4.25	0.60	0	1
-176	9.15	-4.25	0.60	0	1	-175	5.40	-4.25	0.60	0	1	-174	4.90	-4.25	0.60	0	1
-173	0.50	-4.25	0.60	0	1	-172	0.00	-4.25	0.60	0	1	-171	0.00	-6.95	0.60	0	1
-170	21.80	-7.55	0.60	0	1	-169	21.29	-7.55	0.60	0	1	-168	20.86	-7.55	0.60	0	1
-167	14.63	-7.55	0.60	0	1	-166	14.10	-7.55	0.60	0	1	-165	13.57	-7.55	0.60	0	1
-164	10.18	-7.55	0.60	0	1	-163	9.65	-7.55	0.60	0	1	-162	9.12	-7.55	0.60	0	1
-161	5.90	-7.55	0.60	0	1	-160	5.37	-7.55	0.60	0	1	-159	4.90	-7.55	0.60	0	1
-158	0.00	-7.55	0.60	0	1	-157	0.00	-8.15	0.60	0	1	-156	14.10	-9.88	0.60	0	1
-154	21.80	-10.82	0.60	0	1	-153	21.18	-10.82	0.60	0	1	-152	20.55	-10.82	0.60	0	1
-151	19.93	-10.82	0.60	0	1	-150	19.30	-10.82	0.60	0	1	-149	18.68	-10.82	0.60	0	1
-148	18.05	-10.82	0.60	0	1	-147	17.43	-10.82	0.60	0	1	-146	16.80	-10.82	0.60	0	1
-145	14.10	-10.82	0.60	0	1	-144	7.05	-10.82	0.60	0	1	-143	0.00	-10.82	0.60	0	1
-142	21.80	-11.46	0.60	0	1	-141	14.10	-11.78	0.60	0	1	-140	7.05	-11.78	0.60	0	1
-139	0.00	-11.46	0.60	0	1	-138	21.80	-12.09	0.60	0	1	-137	0.00	-12.09	0.60	0	1
-136	21.80	-12.71	0.60	0	1	-135	0.00	-12.71	0.60	0	1	-134	21.80	-13.35	0.60	0	1
-133	0.00	-13.35	0.60	0	1	-132	21.80	-13.97	0.60	0	1	-131	0.00	-13.97	0.60	0	1
-130	21.80	-14.61	0.60	0	1	-129	0.00	-14.61	0.60	0	1	-128	21.80	-15.23	0.60	0	1
-127	0.00	-15.23	0.60	0	1	-126	14.10	-15.13	0.60	0	1	-125	7.05	-15.13	0.60	0	1
-124	21.80	-15.87	0.60	0	1	-123	0.00	-15.87	0.60	0	1	-122	14.10	-15.70	0.60	0	1
-121	7.05	-15.70	0.60	0	1	-120	21.80	-16.50	0.60	0	1	-119	0.00	-16.50	0.60	0	1
-118	21.80	-17.13	0.60	0	1	-117	21.13	-17.13	0.60	0	1	-116	20.68	-17.13	0.60	0	1
-115	15.13	-17.13	0.60	0	1	-114	14.63	-17.13	0.60	0	1	-113	14.10	-17.13	0.60	0	1
-112	13.57	-17.13	0.60	0	1	-111	13.07	-17.13	0.60	0	1	-110	8.08	-17.13	0.60	0	1
-109	7.58	-17.13	0.60	0	1	-108	7.05	-17.13	0.60	0	1	-107	6.52	-17.13	0.60	0	1
-106	6.02	-17.13	0.60	0	1	-105	1.26	-17.13	0.60	0	1	-104	0.80	-17.13	0.60	0	1
-103	0.00	-17.13	0.60	0	1	-102	9.04	0.00	0.00	0	3	-101	8.43	0.00	0.00	0	3
-100	7.82	0.00	0.00	0	3	-99	7.21	0.00	0.00	0	3	-98	6.59	0.00	0.00	0	3
-97	5.98	0.00	0.00	0	3	-96	5.37	0.00	0.00	0	3	-95	4.76	0.00	0.00	0	3
-94	3.73	0.00	0.00	0	3	-93	0.41	0.00	0.00	0	1	-91	9.65	-0.85	0.00	0	3
-90	0.00	-0.98	0.00	0	3	-89	0.00	-1.79	0.00	0	3	-88	0.00	-2.13	0.00	0	3
-87	9.65	-3.40	0.00	0	3	-86	0.00	-3.83	0.00	0	3	-85	9.15	-4.25	0.00	0	3
-84	5.40	-4.25	0.00	0	3	-83	3.92	-4.25	0.00	0	3	-82	0.50	-4.25	0.00	0	3
-81	0.00	-4.65	0.00	0	3	-80	9.65	-4.75	0.00	0	3	-79	9.65	-6.89	0.00	0	3
-78	0.00	-6.95	0.00	0	3	-77	21.29	-7.55	0.00	0	3	-75	19.60	-7.55	0.00	0	3
-74	14.63	-7.55	0.00	0	3	-73	13.57	-7.55	0.00	0	3	-72	10.18	-7.55	0.00	0	3
-71	9.12	-7.55	0.00	0	3	-70	8.61	-7.55	0.00	0	3	-69	8.09	-7.55	0.00	0	3
-68	7.57	-7.55	0.00	0	3	-67	6.62	-7.55	0.00	0	3	-66	5.90	-7.55	0.00	0	3
-65	5.37	-7.55	0.00	0	3	-64	3.92	-7.55	0.00	0	3	-63	0.98	-7.55	0.00	0	3
-62	0.00	-8.15	0.00	0	3	-61	21.80	-8.21	0.00	0	3	-60	14.10	-8.21	0.00	0	3
-59	7.05	-9.64	0.00	0	3	-58	21.80	-10.17	0.00	0	3	-57	0.00	-10.17	0.00	0	3
-56	14.10	-9.88	0.00	0	3	-55	7.05	-9.88	0.00	0	3	-54	21.18	-10.82	0.00	0	3
-53	20.55	-10.82	0.00	0	3	-52	19.93	-10.82	0.00	0	3	-51	19.30	-10.82	0.00	0	3
-50	18.68	-10.82	0.00	0	3	-49	18.05	-10.82	0.00	0	3	-48	17.43	-10.82	0.00	0	3
-47	16.80	-10.82	0.00	0	3	-46	16.13	-10.82	0.00	0	3	-45	14.78	-10.82	0.00	0	3
-44	21.80	-11.46	0.00	0	3	-43	14.10	-11.78	0.00	0	3	-42	7.05	-11.78	0.00	0	3
-41	0.00	-11.46	0.00	0	3	-40	21.80	-12.09	0.00	0	3	-39	14.10	-12.34	0.00	0	3
-37	0.00	-12.09	0.00	0	3	-36	21.80	-12.71	0.00	0	3	-35	0.00	-12.71	0.00	0	3
-34	21.80	-13.35	0.00	0	3	-33	0.00	-13.35	0.00	0	3	-32	21.80	-13.97	0.00	0	3
-31	0.00	-13.97	0.00	0	3	-30	21.80	-14.61	0.00	0	3	-29	0.00	-14.61	0.00	0	3
-28	21.80	-15.23	0.00	0	3	-27	0.00	-15.23	0.00	0	3	-26	14.10	-15.13	0.00	0	3
-25	7.05	-15.13	0.00	0	3	-24	21.80	-15.87	0.00	0	3	-23	0.00	-15.87	0.00	0	3
-22	14.10	-15.70	0.00	0	3	-21	7.05	-15.70	0.00	0	3	-20	21.80	-16.50	0.00	0	3
-19	0.00	-16.50	0.00	0	3	-18	21.13	-17.13	0.00	0	3	-17	20.68	-17.13	0.00	0	3
-16	19.60	-17.13	0.00	0	3	-15	16.30	-17.13	0.00	0	3	-14	15.13	-17.13	0.00	0	3
-13	14.63	-17.13	0.00	0	3	-12	13.57	-17.13	0.00	0	3	-11	13.07	-17.13	0.00	0	3
-10	12.09	-17.13	0.00	0	3	-9	9.06	-17.13	0.00	0	3	-8	8.08	-17.13	0.00	0	3
-7	7.58	-17.13	0.00	0	3	-6	6.52	-17.13	0.00	0	3	-5	6.02	-17.13	0.00	0	3
-4	5.04	-17.13	0.00	0	3	-3	2.01	-17.13	0.00	0	3	-2	1.26	-17.13	0.00	0	3
-1	0.80	-17.13	0.00	0	3	1	0.00	-17.13	0.00	0	3	2	7.05	-17.13	0.00	0	3
3	14.10	-17.13	0.00	0	3	4	21.80	-17.13	0.00	0	3	5	0.00	-10.82	0.00	0	3
6	7.05	-10.82	0.00	0	3	7	14.10	-10.82	0.00	0	3	8	21.80	-10.82	0.00	0	3
9	0.00	-7.55	0.00	0	1	10	4.90	-7.55	0.00	0	3	11	7.05	-7.55	0.00	0	3
12	9.65	-7.55	0.00	0	3	13	14.10	-7.55	0.00	0	3	14	21.80	-7.55	0.00	0	3
15	0.00	-4.25	0.00	0	3	16	4.90	-4.25	0.00	0	3	17	9.65	-4.25	0.00	0	3
18	0.00	0.00	0.00	0	3	19	4.15	0.00	0.00	0	3	20	9.65	0.00	0.00	0	3
101	0.00	-17.13	1.80	1	1	102	7.05	-17.13	1.80	1	1	103	14.10	-17.13	1.80	1	1
104	21.80	-17.13	1.80	1	1	105	0.00	-10.82	1.80	1	1	106	7.05	-10.82	1.80	1	1
107	14.10	-10.82	1.80	1	1	108	21.80	-10.82	1.80	1	1	109	0.00	-7.55	1.80	1	1
110	4.90	-7.55	1.80	1	1	111	7.05	-7.55	1.80	1	1	112	9.65	-7.55	1.80	1	1
113	14.10	-7.55	1.80	1	1	114	21.80	-7.55	1.80	1	1	115	0.00	-4.25	1.80	1	1
116	4.90	-4.25	1.80	1	1	117	9.65	-4.25	1.80	1	1	118	0.00	0.00	1.80	1	1
119	4.15	0.00	1.80	1	1	120	9.65	0.00	1.80	1	1	201	0.00	-17.13	5.20	2	1
202	7.05	-17.13	5.20	2	1	203	14.10	-17.13	5.20	2	1	204	21.80	-17.13	5.20	2	1
205	0.00	-10.82	5.20	2	1	206	7.05	-10.82	5.20	2	1	207	14.10	-10.82	5.20	2	1
208	21.80	-10.82	5.20	2	1	209	0.00	-7.55	5.20	2	1	210	4.90	-7.55	5.20	2	1
211	7.05	-7.55	5.20	2	1	212	21.80	-7.55	5.20	2	1	213	14.10	-7.55	5.20	2	1
214	21.80	-7.55	5.20	2	1	215	0.00	-4.25	5.20	2	1	216	4.90	-4.25	5.20	2	1
217	9.65	-4.25	5.20	2	1	218	0.00	0.00	5.20	2	1	219	4.15	0.00	5.20	2	1
220	9.65	0.00	5.20	2	1	301	0.00	-17.13	8.60	3	1	302	7.05	-17.13	8.60	3	1

Relazione di calcolo

303	14.10	-17.13	8.60	3	1	304	21.80	-17.13	8.60	3	1	305	0.00	-10.82	8.60	3	1
306	7.05	-10.82	8.60	3	1	307	14.10	-10.82	8.60	3	1	308	21.80	-10.82	8.60	3	1
309	0.00	-7.55	8.60	3	1	310	4.90	-7.55	8.60	3	1	311	7.05	-7.55	8.60	3	1
312	9.65	-7.55	8.60	3	1	313	14.10	-7.55	8.60	3	1	314	21.80	-7.55	8.60	3	1
315	0.00	-4.25	8.60	3	1	316	4.90	-4.25	8.60	3	1	317	9.65	-4.25	8.60	3	1
318	0.00	0.00	8.60	3	1	319	4.15	0.00	8.60	3	1	320	9.65	0.00	8.60	3	1
401	4.83	-12.34	11.60	0	1	402	7.05	-12.34	11.60	0	1	403	14.10	-12.34	11.60	0	1
404	21.80	-12.34	11.60	0	1	405	4.83	-7.55	11.60	0	1	406	4.83	0.00	11.60	0	1

Elenco materiali

Simbologia

Mat. = Numero del materiale
 Comm. = Commento
 P = Peso specifico
 E = Modulo elastico
 G = Modulo elastico tangenziale
 v = Coeff. di Poisson
 α = Coeff. di dilatazione termica

Mat.	Comm.	P <daN/mc>	E <daN/cm ² >	G <daN/cm ² >	v	α
1	Calcestruzzo	2500	288000.00	124000.00	0.1	1.000000E-05
2	Acciaio	7850	2100000.00	800000.00	0.3	1.000000E-05

Elenco sezioni aste

Simbologia

Sez. = Numero della sezione
 Comm. = Commento
 Tipo = Tipologia
 2C = Doppia C lato labbri
 2Cdx = Doppia C lato costola
 2I = Doppia I
 2L = Doppia L lato labbri
 2Ldx = Doppia L lato costole
 C = C
 Cdx = C destra
 Cir. = Circolare
 Cir.c = Circolare cava
 I = I
 L = L
 Ldx = L destra
 Om. = Omega
 Pg = Pi greco
 Pr = Poligono regolare
 Prc = Poligono regolare cavo
 Pc = Per coordinate
 Ia = Inerzie assegnate
 R = Rettangolare
 Rc = Rettangolare cava
 T = T
 U = U
 Ur = U rovescia
 V = V
 Vr = V rovescia
 Z = Z
 Zdx = Z destra
 Ts = T stondata
 Ls = L stondata
 Cs = C stondata
 Is = I stondata
 Dis. = Disegnata
 Me = Membratura
 G = Generica
 T = Trave
 P = Pilastro
 Ver. = Verifica prevista
 N = Nessuna
 C = Cemento armato
 A = Acciaio
 L = Legno
 B = Base
 H = Altezza
 s = Spessore ala
 a = Spessore anima
 r = Raggio raccordo anima-ala
 r1 = Raggio in testa ala
 R = Raggio
 Ma = Numero del materiale
 C = Numero del criterio di progetto

Relazione di calcolo

Ccol = Numero del criterio di progetto collegamento

Sez.	Comm.	Tipo	Me	Ver.	B <cm>	H <cm>	s <cm>	a <cm>	r <cm>	r1 <cm>	R <cm>	Ma	C	Ccol
1	TR FOND esistente	R	T	C	70.00	110.00						1	3	
3	PIL 26X75	R	P	C	26.00	75.00						1	1	
4	PIL 26x50	R	P	C	26.00	50.00						1	1	
5	PIL 26X40	R	P	C	26.00	40.00						1	1	
6	PIL 20X40	R	P	C	20.00	40.00						1	1	
10	TR 70X24	R	T	C	70.00	24.00						1	1	
12	TR100X24	R	T	C	100.00	24.00						1	1	
26	TR80x24	R	T	C	80.00	24.00						1	1	
27	TR26x60	R	T	C	26.00	60.00						1	1	
28	TR52x24	R	T	C	52.00	24.00						1	1	
32	TR15x60	R	T	C	15.00	60.00						1	1	
33	TR26x50	R	T	C	26.00	50.00						1	1	
39	3d18	Cir.	T	A							1.56	2	1	2
41	2d22	Cir.	T	A							1.55	2	1	2
42	TR40x24	R	T	C	40.00	24.00						1	1	
43	TR28x40	R	T	C	28.00	40.00						1	2	
44	TR20x60	R	T	C	20.00	60.00						1	2	
45	HEB160	Is	P	A	16.00	16.00	1.30	0.80	1.50	0.00		2	1	1
46	TR20x40	R	T	C	20.00	40.00						1	2	
47	Fond nuova	R	T	C	60.00	110.00						1	2	

Elenco vincoli aste

Simbologia

Va = Numero del vincolo asta

Comm. = Commento

Tipo = Tipologia

SVI = Definizione di vincolamenti interni

ELA = Vincolo su suolo elastico alla Winkler

BIE-RTC = Biella resistente a trazione e a compressione

BIE-RC = Biella resistente solo a compressione

BIE-RT = Biella resistente solo a trazione

Ni = Sforzo normale nodo iniziale (0=sbloccato, 1=bloccato)

Tyi = Taglio in dir. Y locale nodo iniziale (0=sbloccato, 1=bloccato)

Tzi = Taglio in dir. Z locale nodo iniziale (0=sbloccato, 1=bloccato)

Mxi = Momento intorno all'asse X locale nodo iniziale (0=sbloccato, 1=bloccato)

Myi = Momento intorno all'asse Y locale nodo iniziale (0=sbloccato, 1=bloccato)

Mzi = Momento intorno all'asse Z locale nodo iniziale (0=sbloccato, 1=bloccato)

Nf = Sforzo normale nodo finale (0=sbloccato, 1=bloccato)

Tyf = Taglio in dir. Y locale nodo finale (0=sbloccato, 1=bloccato)

Tzf = Taglio in dir. Z locale nodo finale (0=sbloccato, 1=bloccato)

Mxf = Momento intorno all'asse X locale nodo finale (0=sbloccato, 1=bloccato)

Myf = Momento intorno all'asse Y locale nodo finale (0=sbloccato, 1=bloccato)

Mzf = Momento intorno all'asse Z locale nodo finale (0=sbloccato, 1=bloccato)

Kt = Coeff. di sottofondo su suolo elastico alla Winkler

Va	Comm.	Tipo	Ni	Tyi	Tzi	Mxi	Myi	Mzi	Nf	Tyf	Tzf	Mxf	Myf	Mzf	Kt <daN/cmc>
1	Inc+Inc	SVI	1	1	1	1	1	1	1	1	1	1	1	1	
4	Cer+Cer	SVI	1	1	1	0	0	0	1	1	1	1	0	0	
30	WINKLER	ELA													2.00

Elenco aste

Simbologia

Asta = Numero dell'asta

N1 = Nodo iniziale

N2 = Nodo finale

Sez. = Numero della sezione

Va = Numero del vincolo asta

Par. = Numero dei parametri aggiuntivi

Rot. = Rotazione

FF = Filo fisso

Dy1 = Scost. filo fisso Y1

Dy2 = Scost. filo fisso Y2

Dz1 = Scost. filo fisso Z1

Dz2 = Scost. filo fisso Z2

Kt = Coeff. di sottofondo su suolo elastico alla Winkler

Asta	N1	N2	Sez.	Va	Par.	Rot. <grad>	FF	Dy1 <cm>	Dy2 <cm>	Dz1 <cm>	Dz2 <cm>	Kt <daN/cmc>
0	-2	-105		1		0.00	11	0.00	0.00	0.00	0.00	
0	-300	101	27	1		0.00	22	0.00	0.00	0.00	0.00	
0	-105	-194		1		0.00	11	0.00	0.00	0.00	0.00	
0	-194	-289		1		0.00	11	0.00	0.00	0.00	0.00	
0	-288	-387		1		0.00	11	0.00	0.00	0.00	0.00	

Relazione di calcolo

0	-387	-466		1	0.00	11	0.00	0.00	0.00	0.00
0	-466	-545		1	0.00	11	0.00	0.00	0.00	0.00
0	-545	-651		1	0.00	11	0.00	0.00	0.00	0.00
0	-651	-718		1	0.00	11	0.00	0.00	0.00	0.00
0	-816	-895	3	1	90.00	22	0.00	0.00	0.00	0.00
0	-5	-106		1	0.00	11	0.00	0.00	0.00	0.00
0	-718	-817		1	0.00	11	0.00	0.00	0.00	0.00
0	-106	-262		1	0.00	11	0.00	0.00	0.00	0.00
0	-817	-896		1	0.00	11	0.00	0.00	0.00	0.00
0	-262	-290		1	0.00	11	0.00	0.00	0.00	0.00
0	-896	-975		1	0.00	11	0.00	0.00	0.00	0.00
0	-8	-110		1	0.00	11	0.00	0.00	0.00	0.00
0	-975	-1081		1	0.00	11	0.00	0.00	0.00	0.00
0	-291	-388		1	0.00	11	0.00	0.00	0.00	0.00
0	-110	-266		1	0.00	11	0.00	0.00	0.00	0.00
0	-1081	-1147		1	0.00	11	0.00	0.00	0.00	0.00
0	-388	-467		1	0.00	11	0.00	0.00	0.00	0.00
0	-266	-293		1	0.00	11	0.00	0.00	0.00	0.00
0	-292	-390		1	0.00	11	0.00	0.00	0.00	0.00
0	-467	-546		1	0.00	11	0.00	0.00	0.00	0.00
0	-390	-469		1	0.00	11	0.00	0.00	0.00	0.00
0	-469	-548		1	0.00	11	0.00	0.00	0.00	0.00
0	-1359	-302		1	0.00	11	0.00	0.00	0.00	0.00
0	-546	-617		1	0.00	11	0.00	0.00	0.00	0.00
0	-477	-1359		1	0.00	11	0.00	0.00	0.00	0.00
0	-617	-652		1	0.00	11	0.00	0.00	0.00	0.00
0	-652	-721		1	0.00	11	0.00	0.00	0.00	0.00
0	-548	-619		1	0.00	11	0.00	0.00	0.00	0.00
0	-721	-818		1	0.00	11	0.00	0.00	0.00	0.00
0	-619	-654		1	0.00	11	0.00	0.00	0.00	0.00
0	-556	-477		1	0.00	11	0.00	0.00	0.00	0.00
0	-654	-722		1	0.00	11	0.00	0.00	0.00	0.00
0	-623	-556		1	0.00	11	0.00	0.00	0.00	0.00
0	-663	-623		1	0.00	11	0.00	0.00	0.00	0.00
0	-818	-897		1	0.00	11	0.00	0.00	0.00	0.00
0	-722	-820		1	0.00	11	0.00	0.00	0.00	0.00
0	-11	-111		1	0.00	11	0.00	0.00	0.00	0.00
0	-897	-976		1	0.00	11	0.00	0.00	0.00	0.00
0	-820	-899		1	0.00	11	0.00	0.00	0.00	0.00
0	-663	-732		1	0.00	11	0.00	0.00	0.00	0.00
0	-732	-828		1	0.00	11	0.00	0.00	0.00	0.00
0	-976	-1047		1	0.00	11	0.00	0.00	0.00	0.00
0	-1047	-1082		1	0.00	11	0.00	0.00	0.00	0.00
0	-899	-978		1	0.00	11	0.00	0.00	0.00	0.00
0	-978	-1049		1	0.00	11	0.00	0.00	0.00	0.00
0	-325	-415		1	0.00	11	0.00	0.00	0.00	0.00
0	-828	-907		1	0.00	11	0.00	0.00	0.00	0.00
0	-1049	-1084		1	0.00	11	0.00	0.00	0.00	0.00
0	-415	-494		1	0.00	11	0.00	0.00	0.00	0.00
0	-494	-573		1	0.00	11	0.00	0.00	0.00	0.00
0	-986	-1053		1	0.00	11	0.00	0.00	0.00	0.00
0	-573	-625		1	0.00	11	0.00	0.00	0.00	0.00
0	-684	-755		1	0.00	11	0.00	0.00	0.00	0.00
0	-267	-294		1	0.00	11	0.00	0.00	0.00	0.00
0	-1377	-284		1	0.00	11	0.00	0.00	0.00	0.00
0	-907	-986		1	0.00	11	0.00	0.00	0.00	0.00
0	-1053	-1092		1	0.00	11	0.00	0.00	0.00	0.00
0	-1092	-1167		1	0.00	11	0.00	0.00	0.00	0.00
0	-755	-845		1	0.00	11	0.00	0.00	0.00	0.00
0	-470	-549		1	0.00	11	0.00	0.00	0.00	0.00
0	-549	-620		1	0.00	11	0.00	0.00	0.00	0.00
0	-55	-1377		1	0.00	11	0.00	0.00	0.00	0.00
0	-1082	-1152		1	0.00	11	0.00	0.00	0.00	0.00
0	-1084	-1153		1	0.00	11	0.00	0.00	0.00	0.00
0	-625	-684		1	0.00	11	0.00	0.00	0.00	0.00
0	-629	-699		1	0.00	11	0.00	0.00	0.00	0.00
0	-924	-1003		1	0.00	11	0.00	0.00	0.00	0.00
0	-111	-267		1	0.00	11	0.00	0.00	0.00	0.00
0	-430	-509		1	0.00	11	0.00	0.00	0.00	0.00
0	-509	-588		1	0.00	11	0.00	0.00	0.00	0.00
0	-1003	-1055		1	0.00	11	0.00	0.00	0.00	0.00
0	-1055	-1113		1	0.00	11	0.00	0.00	0.00	0.00
0	-295	-391		1	0.00	11	0.00	0.00	0.00	0.00
0	-979	-1050		1	0.00	11	0.00	0.00	0.00	0.00
0	-284	-340		1	0.00	11	0.00	0.00	0.00	0.00
0	-588	-629		1	0.00	11	0.00	0.00	0.00	0.00
0	-845	-924		1	0.00	11	0.00	0.00	0.00	0.00
0	-699	-770		1	0.00	11	0.00	0.00	0.00	0.00
0	-860	-939		1	0.00	11	0.00	0.00	0.00	0.00

Relazione di calcolo

0	-1113	-1190		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-1018	-1059		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-1059	-1128		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-1128	-1209		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-393	-472		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-1130	-1213		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-14	-115		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-115	-271		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-391	-470		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-399	-478		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-620	-655		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-340	-430		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-770	-860		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-271	-297		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-296	-393		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-472	-551		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-303	-399		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-478	-557		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-655	-725		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-551	-622		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-725	-821		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-657	-726		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-821	-900		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-939	-1018		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-622	-657		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-726	-823		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-823	-902		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-664	-733		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-900	-979		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-1050	-1085		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-902	-981		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-1085	-1158		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-1087	-1159		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-89	-178		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-178	-248		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-248	-373		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-557	-624		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-624	-664		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-733	-829		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-829	-908		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-908	-987		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-987	-1054		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-1093	-1168		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	18	-93	1	30		0.00	22	-10.00	-10.00	0.00	0.00	0.00	2.00
0	18	-181		1		90.00	55	3.00	3.00	0.00	0.00	0.00	
0	-1344	-447		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-605	-706		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-706	-804		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-804	-877		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-877	-956		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-574	-626		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-685	-756		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-756	-846		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-378	119		1		0.00	22	25.00	25.00	0.00	0.00	0.00	
0	-956	-1035		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-1035	-1135		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-1135	-1253		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-326	-416		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-846	-925		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-17	-116		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-116	-195		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-981	-1052		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-1052	-1087		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-1093	-1054		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-447	-526		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-526	-605		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-416	-495		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-495	-574		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-626	-685		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-925	-1004		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-1004	-1056		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-1056	-1114		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-195	-298		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-1114	-1191		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-299	-394		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-552	-659		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-659	-729		1		0.00	11	0.00	0.00	0.00	0.00	0.00	
0	-1166	304		1		0.00	22	0.00	0.00	0.00	0.00	0.00	
0	-380	-379		1		0.00	22	25.00	25.00	0.00	0.00	0.00	

Relazione di calcolo

0	-808	219	1	0.00	22	25.00	25.00	0.00	0.00
0	-301	104	1	0.00	22	-37.00	-37.00	0.00	0.00
0	-305	-301	1	0.00	22	-37.00	-37.00	0.00	0.00
0	-394	-473	1	0.00	11	0.00	0.00	0.00	0.00
0	-395	-474	1	90.00	55	0.00	0.00	0.00	0.00
0	-473	-552	1	0.00	11	0.00	0.00	0.00	0.00
0	-729	-824	1	0.00	11	0.00	0.00	0.00	0.00
0	-731	204	1	0.00	22	-37.00	-37.00	0.00	0.00
0	-903	-982	1	0.00	11	0.00	0.00	0.00	0.00
0	-809	-808	1	0.00	22	25.00	25.00	0.00	0.00
0	-810	-809	1	0.00	22	25.00	25.00	0.00	0.00
0	-309	-305	1	0.00	22	-37.00	-37.00	0.00	0.00
0	-474	-553	1	90.00	55	0.00	0.00	0.00	0.00
0	-1174	-1170	1	0.00	22	-37.00	-37.00	0.00	0.00
0	-811	-810	1	0.00	22	25.00	25.00	0.00	0.00
0	-313	-309	1	0.00	22	-37.00	-37.00	0.00	0.00
0	-812	-811	1	0.00	22	25.00	25.00	0.00	0.00
0	-813	-812	1	0.00	22	25.00	25.00	0.00	0.00
0	-315	-313	1	0.00	22	-37.00	-37.00	0.00	0.00
0	-317	-315	1	0.00	22	-37.00	-37.00	0.00	0.00
0	-745	-743	1	0.00	22	-37.00	-37.00	0.00	0.00
0	304	-1266	1	0.00	22	-37.00	-37.00	0.00	0.00
0	-379	-378	1	0.00	22	25.00	25.00	0.00	0.00
0	-735	-731	1	0.00	22	-37.00	-37.00	0.00	0.00
0	-824	-903	1	0.00	11	0.00	0.00	0.00	0.00
0	-739	-735	1	0.00	22	-37.00	-37.00	0.00	0.00
0	-982	-1088	1	0.00	11	0.00	0.00	0.00	0.00
0	-1088	-1164	1	0.00	11	0.00	0.00	0.00	0.00
0	-382	-381	1	0.00	22	25.00	25.00	0.00	0.00
0	-384	-383	1	0.00	22	25.00	25.00	0.00	0.00
0	-1258	319	1	0.00	22	25.00	25.00	0.00	0.00
0	-814	-813	1	0.00	22	25.00	25.00	0.00	0.00
0	-1259	-1258	1	0.00	22	25.00	25.00	0.00	0.00
0	-1260	-1259	1	0.00	22	25.00	25.00	0.00	0.00
0	-1278	-1293	1	0.00	22	-37.00	-37.00	0.00	0.00
0	-383	-382	1	0.00	22	25.00	25.00	0.00	0.00
0	-1262	-1261	1	0.00	22	25.00	25.00	0.00	0.00
0	406	-1334	1	0.00	55	0.00	0.00	0.00	0.00
0	-319	-317	1	0.00	22	-37.00	-37.00	0.00	0.00
0	-327	-323	1	0.00	22	-37.00	-37.00	0.00	0.00
0	-1170	-1166	1	0.00	22	0.00	0.00	0.00	0.00
0	-1266	-1278	1	0.00	22	-37.00	-37.00	0.00	0.00
0	-381	-380	1	0.00	22	25.00	25.00	0.00	0.00
0	-1261	-1260	1	0.00	22	25.00	25.00	0.00	0.00
0	-1334	-1329	1	0.00	55	0.00	0.00	0.00	0.00
0	-743	-739	1	0.00	22	-37.00	-37.00	0.00	0.00
0	-1178	-1174	1	0.00	22	-37.00	-37.00	0.00	0.00
0	-1293	-1303	1	0.00	22	-37.00	-37.00	0.00	0.00
0	120	-385	1	0.00	22	25.00	25.00	0.00	0.00
0	220	-815	1	0.00	22	25.00	25.00	0.00	0.00
0	-1263	-1262	1	0.00	22	25.00	25.00	0.00	0.00
0	-1264	-1263	1	0.00	22	25.00	25.00	0.00	0.00
0	-1329	-1321	1	0.00	55	0.00	0.00	0.00	0.00
0	-1321	-1313	1	0.00	55	0.00	0.00	0.00	0.00
0	-747	-745	1	0.00	22	-37.00	-37.00	0.00	0.00
0	-1265	-1264	1	0.00	22	25.00	25.00	0.00	0.00
0	-1300	-1292	1	0.00	55	0.00	0.00	0.00	0.00
0	-1292	-1267	1	0.00	55	0.00	0.00	0.00	0.00
0	-323	-319	1	0.00	22	-37.00	-37.00	0.00	0.00
0	-753	-749	1	0.00	22	-37.00	-37.00	0.00	0.00
0	-757	-753	1	0.00	22	-37.00	-37.00	0.00	0.00
0	-1180	-1178	1	0.00	22	-37.00	-37.00	0.00	0.00
0	-1313	-1300	1	0.00	55	0.00	0.00	0.00	0.00
0	-1188	-1184	1	0.00	22	-37.00	-37.00	0.00	0.00
0	-1323	-1332	1	0.00	22	-37.00	-37.00	0.00	0.00
0	-385	-384	1	0.00	22	25.00	25.00	0.00	0.00
0	-1332	404	1	0.00	22	-37.00	-37.00	0.00	0.00
0	320	-1265	1	0.00	22	25.00	25.00	0.00	0.00
0	-1267	320	1	0.00	55	0.00	0.00	0.00	0.00
0	108	-327	1	0.00	22	-37.00	-37.00	0.00	0.00
0	-749	-747	1	0.00	22	-37.00	-37.00	0.00	0.00
0	208	-757	1	0.00	22	-37.00	-37.00	0.00	0.00
0	-1182	-1180	1	0.00	22	-37.00	-37.00	0.00	0.00
0	-1303	-1315	1	0.00	22	-37.00	-37.00	0.00	0.00
0	-1315	-1323	1	0.00	22	-37.00	-37.00	0.00	0.00
0	-815	-814	1	0.00	22	25.00	25.00	0.00	0.00
0	-1184	-1182	1	0.00	22	-37.00	-37.00	0.00	0.00
0	-1192	-1188	1	0.00	22	-37.00	-37.00	0.00	0.00
0	308	-1192	1	0.00	22	-37.00	-37.00	0.00	0.00

Relazione di calcolo

1	1	-103	3	1	90.00	22	0.00	0.00	0.00	0.00
1	-103	-192	3	1	90.00	22	0.00	0.00	0.00	0.00
1	-192	101	3	1	90.00	22	0.00	0.00	0.00	0.00
1	101	-386	3	1	90.00	22	0.00	0.00	0.00	0.00
1	-386	-465	3	1	90.00	22	0.00	0.00	0.00	0.00
1	-465	-544	3	1	90.00	22	0.00	0.00	0.00	0.00
1	-544	-650	3	1	90.00	22	0.00	0.00	0.00	0.00
1	-650	201	3	1	90.00	22	0.00	0.00	0.00	0.00
1	201	-816	3	1	90.00	22	0.00	0.00	0.00	0.00
1	-816	-974	3	1	90.00	22	0.00	0.00	0.00	0.00
1	-974	-1080	3	1	90.00	22	0.00	0.00	0.00	0.00
1	-1080	301	3	1	90.00	22	0.00	0.00	0.00	0.00
2	2	-108	3	1	90.00	22	0.00	0.00	0.00	0.00
2	-108	-264	3	1	90.00	22	0.00	0.00	0.00	0.00
2	-264	102	3	1	90.00	22	0.00	0.00	0.00	0.00
2	102	-389	3	1	90.00	22	0.00	0.00	0.00	0.00
2	-389	-468	3	1	90.00	22	0.00	0.00	0.00	0.00
2	-468	-547	3	1	90.00	22	0.00	0.00	0.00	0.00
2	-547	-618	3	1	90.00	22	0.00	0.00	0.00	0.00
2	-618	-653	3	1	90.00	22	0.00	0.00	0.00	0.00
2	-653	202	3	1	90.00	22	0.00	0.00	0.00	0.00
2	202	-819	3	1	90.00	22	0.00	0.00	0.00	0.00
2	-819	-898	3	1	90.00	22	0.00	0.00	0.00	0.00
2	-898	-977	3	1	90.00	22	0.00	0.00	0.00	0.00
2	-977	-1048	3	1	90.00	22	0.00	0.00	0.00	0.00
2	-1048	-1083	3	1	90.00	22	0.00	0.00	0.00	0.00
2	-1083	302	3	1	90.00	22	0.00	0.00	0.00	0.00
3	3	-113	3	1	90.00	22	0.00	0.00	0.00	0.00
3	-113	-269	3	1	90.00	22	0.00	0.00	0.00	0.00
3	-269	103	3	1	90.00	22	0.00	0.00	0.00	0.00
3	103	-392	3	1	90.00	22	0.00	0.00	0.00	0.00
3	-392	-471	3	1	90.00	22	0.00	0.00	0.00	0.00
3	-471	-550	3	1	90.00	22	0.00	0.00	0.00	0.00
3	-550	-621	3	1	90.00	22	0.00	0.00	0.00	0.00
3	-621	-656	3	1	90.00	22	0.00	0.00	0.00	0.00
3	-656	203	3	1	90.00	22	0.00	0.00	0.00	0.00
3	203	-822	3	1	90.00	22	0.00	0.00	0.00	0.00
3	-822	-901	3	1	90.00	22	0.00	0.00	0.00	0.00
3	-901	-980	3	1	90.00	22	0.00	0.00	0.00	0.00
3	-980	-1051	3	1	90.00	22	0.00	0.00	0.00	0.00
3	-1051	-1086	3	1	90.00	22	0.00	0.00	0.00	0.00
3	-1086	303	3	1	90.00	22	0.00	0.00	0.00	0.00
4	4	-118		1	90.00	55	0.00	0.00	0.00	0.00
4	-118	-197		1	90.00	55	0.00	0.00	0.00	0.00
4	-197	104		1	90.00	55	0.00	0.00	0.00	0.00
4	104	-395		1	90.00	55	0.00	0.00	0.00	0.00
4	-395	-660		1	90.00	55	0.00	0.00	0.00	0.00
4	-660	204		1	90.00	55	0.00	0.00	0.00	0.00
4	204	-825		1	90.00	55	0.00	0.00	0.00	0.00
4	-825	-904		1	90.00	55	0.00	0.00	0.00	0.00
4	-904	-983		1	90.00	55	0.00	0.00	0.00	0.00
4	-983	-1089		1	90.00	55	0.00	0.00	0.00	0.00
4	-1089	304		1	90.00	55	0.00	0.00	0.00	0.00
5	5	-143	4	1	90.00	55	0.00	0.00	0.00	0.00
5	-143	-216	4	1	90.00	55	0.00	0.00	0.00	0.00
5	-216	105	4	1	90.00	55	0.00	0.00	0.00	0.00
5	105	-418	4	1	90.00	55	0.00	0.00	0.00	0.00
5	-418	-497	4	1	90.00	55	0.00	0.00	0.00	0.00
5	-497	-576	4	1	90.00	55	0.00	0.00	0.00	0.00
5	-576	-687	4	1	90.00	55	0.00	0.00	0.00	0.00
5	-687	205	4	1	90.00	55	0.00	0.00	0.00	0.00
5	205	-848	4	1	90.00	55	0.00	0.00	0.00	0.00
5	-848	-927	4	1	90.00	55	0.00	0.00	0.00	0.00
5	-927	-1006	4	1	90.00	55	0.00	0.00	0.00	0.00
5	-1006	-1116	4	1	90.00	55	0.00	0.00	0.00	0.00
5	-1116	305	4	1	90.00	55	0.00	0.00	0.00	0.00
6	6	-144	4	1	90.00	55	0.00	0.00	0.00	0.00
6	-144	-282	4	1	90.00	55	0.00	0.00	0.00	0.00
6	-282	106	4	1	90.00	55	0.00	0.00	0.00	0.00
6	106	-419	4	1	90.00	55	0.00	0.00	0.00	0.00
6	-419	-498	4	1	90.00	55	0.00	0.00	0.00	0.00
6	-498	-577	4	1	90.00	55	0.00	0.00	0.00	0.00
6	-577	-627	4	1	90.00	55	0.00	0.00	0.00	0.00
6	-627	-688	4	1	90.00	55	0.00	0.00	0.00	0.00
6	-688	206	4	1	90.00	55	0.00	0.00	0.00	0.00
6	206	-849	4	1	90.00	55	0.00	0.00	0.00	0.00
6	-849	-928	4	1	90.00	55	0.00	0.00	0.00	0.00
6	-928	-1007	4	1	90.00	55	0.00	0.00	0.00	0.00
6	-1007	-1057	4	1	90.00	55	0.00	0.00	0.00	0.00

Relazione di calcolo

6	-1057	-1117	4	1	90.00	55	0.00	0.00	0.00	0.00
6	-1117	306	4	1	90.00	55	0.00	0.00	0.00	0.00
7	7	-145	4	1	90.00	55	0.00	0.00	0.00	0.00
7	-145	-283	4	1	90.00	55	0.00	0.00	0.00	0.00
7	-283	107	4	1	90.00	55	0.00	0.00	0.00	0.00
7	107	-420	4	1	90.00	55	0.00	0.00	0.00	0.00
7	-420	-499	4	1	90.00	55	0.00	0.00	0.00	0.00
7	-499	-578	4	1	90.00	55	0.00	0.00	0.00	0.00
7	-578	-628	4	1	90.00	55	0.00	0.00	0.00	0.00
7	-628	-689	4	1	90.00	55	0.00	0.00	0.00	0.00
7	-689	207	4	1	90.00	55	0.00	0.00	0.00	0.00
7	207	-850	4	1	90.00	55	0.00	0.00	0.00	0.00
7	-850	-929	4	1	90.00	55	0.00	0.00	0.00	0.00
7	-929	-1008	4	1	90.00	55	0.00	0.00	0.00	0.00
7	-1008	-1058	4	1	90.00	55	0.00	0.00	0.00	0.00
7	-1058	-1118	4	1	90.00	55	0.00	0.00	0.00	0.00
7	-1118	307	4	1	90.00	55	0.00	0.00	0.00	0.00
8	8	-154		1	90.00	55	0.00	0.00	0.00	0.00
8	-154	-225		1	90.00	55	0.00	0.00	0.00	0.00
8	-225	108		1	90.00	55	0.00	0.00	0.00	0.00
8	108	-429		1	90.00	55	0.00	0.00	0.00	0.00
8	-429	-508		1	90.00	55	0.00	0.00	0.00	0.00
8	-508	-587		1	90.00	55	0.00	0.00	0.00	0.00
8	-587	-698		1	90.00	55	0.00	0.00	0.00	0.00
8	-698	208		1	90.00	55	0.00	0.00	0.00	0.00
8	208	-859		1	90.00	55	0.00	0.00	0.00	0.00
8	-859	-938		1	90.00	55	0.00	0.00	0.00	0.00
8	-938	-1017		1	90.00	55	0.00	0.00	0.00	0.00
8	-1017	-1127		1	90.00	55	0.00	0.00	0.00	0.00
8	-1127	308		1	90.00	55	0.00	0.00	0.00	0.00
9	9	-158	6	1	90.00	55	0.00	0.00	0.00	0.00
9	-158	-227	6	1	90.00	55	0.00	0.00	0.00	0.00
9	-227	109	6	1	90.00	55	0.00	0.00	0.00	0.00
9	109	-433	6	1	90.00	55	0.00	0.00	0.00	0.00
9	-433	-512	6	1	90.00	55	0.00	0.00	0.00	0.00
9	-512	-591	6	1	90.00	55	0.00	0.00	0.00	0.00
9	-591	-639	6	1	90.00	55	0.00	0.00	0.00	0.00
9	-639	209	6	1	90.00	55	0.00	0.00	0.00	0.00
9	209	-863	6	1	90.00	55	0.00	0.00	0.00	0.00
9	-863	-942	6	1	90.00	55	0.00	0.00	0.00	0.00
9	-942	-1021	6	1	90.00	55	0.00	0.00	0.00	0.00
9	-1021	-1069	6	1	90.00	55	0.00	0.00	0.00	0.00
9	-1069	309	6	1	90.00	55	0.00	0.00	0.00	0.00
10	10	-159	5	1	90.00	77	0.00	0.00	0.00	0.00
10	-159	-228	5	1	90.00	77	0.00	0.00	0.00	0.00
10	-228	110	5	1	90.00	77	0.00	0.00	0.00	0.00
10	110	-434	5	1	90.00	77	0.00	0.00	0.00	0.00
10	-434	-513	5	1	90.00	77	0.00	0.00	0.00	0.00
10	-513	-592	5	1	90.00	77	0.00	0.00	0.00	0.00
10	-592	-640	5	1	90.00	77	0.00	0.00	0.00	0.00
10	-640	210	5	1	90.00	77	0.00	0.00	0.00	0.00
10	210	-864	5	1	90.00	77	0.00	0.00	0.00	0.00
10	-864	-943	5	1	90.00	77	0.00	0.00	0.00	0.00
10	-943	-1022	5	1	90.00	77	0.00	0.00	0.00	0.00
10	-1022	-1070	5	1	90.00	77	0.00	0.00	0.00	0.00
10	-1070	310	5	1	90.00	77	0.00	0.00	0.00	0.00
11	11	111	45	4	0.00	55	0.00	0.00	0.00	0.00
11	111	211	45	4	0.00	55	0.00	0.00	0.00	0.00
11	211	311	45	4	0.00	55	0.00	0.00	0.00	0.00
12	12	-163	5	1	90.00	88	0.00	0.00	0.00	0.00
12	-163	-232	5	1	90.00	88	0.00	0.00	0.00	0.00
12	-232	112	5	1	90.00	88	0.00	0.00	0.00	0.00
12	112	-438	5	1	90.00	88	0.00	0.00	0.00	0.00
12	-438	-517	5	1	90.00	88	0.00	0.00	0.00	0.00
12	-517	-596	5	1	90.00	88	0.00	0.00	0.00	0.00
12	-596	-644	5	1	90.00	88	0.00	0.00	0.00	0.00
12	-644	212	5	1	90.00	88	0.00	0.00	0.00	0.00
12	212	-868	5	1	90.00	88	0.00	0.00	0.00	0.00
12	-868	-947	5	1	90.00	88	0.00	0.00	0.00	0.00
12	-947	-1026	5	1	90.00	88	0.00	0.00	0.00	0.00
12	-1026	-1074	5	1	90.00	88	0.00	0.00	0.00	0.00
12	-1074	312	5	1	90.00	88	0.00	0.00	0.00	0.00
13	13	-166	5	1	90.00	88	0.00	0.00	0.00	0.00
13	-166	-235	5	1	90.00	88	0.00	0.00	0.00	0.00
13	-235	113	5	1	90.00	88	0.00	0.00	0.00	0.00
13	113	-441	5	1	90.00	88	0.00	0.00	0.00	0.00
13	-441	-520	5	1	90.00	88	0.00	0.00	0.00	0.00
13	-520	-599	5	1	90.00	88	0.00	0.00	0.00	0.00
13	-599	-647	5	1	90.00	88	0.00	0.00	0.00	0.00

Relazione di calcolo

13	-647	213	5	1	90.00	88	0.00	0.00	0.00	0.00
13	213	-871	5	1	90.00	88	0.00	0.00	0.00	0.00
13	-871	-950	5	1	90.00	88	0.00	0.00	0.00	0.00
13	-950	-1029	5	1	90.00	88	0.00	0.00	0.00	0.00
13	-1029	-1077	5	1	90.00	88	0.00	0.00	0.00	0.00
13	-1077	313	5	1	90.00	88	0.00	0.00	0.00	0.00
14	14	-170		1	90.00	55	0.00	0.00	0.00	0.00
14	-170	-239		1	90.00	55	0.00	0.00	0.00	0.00
14	-239	114		1	90.00	55	0.00	0.00	0.00	0.00
14	114	-445		1	90.00	55	0.00	0.00	0.00	0.00
14	-445	-524		1	90.00	55	0.00	0.00	0.00	0.00
14	-524	-603		1	90.00	55	0.00	0.00	0.00	0.00
14	-603	-705		1	90.00	55	0.00	0.00	0.00	0.00
14	-705	214		1	90.00	55	0.00	0.00	0.00	0.00
14	214	-875		1	90.00	55	0.00	0.00	0.00	0.00
14	-875	-954		1	90.00	55	0.00	0.00	0.00	0.00
14	-954	-1033		1	90.00	55	0.00	0.00	0.00	0.00
14	-1033	-1134		1	90.00	55	0.00	0.00	0.00	0.00
14	-1134	314		1	90.00	55	0.00	0.00	0.00	0.00
15	15	-172	6	1	90.00	55	0.00	0.00	0.00	0.00
15	-172	-241	6	1	90.00	55	0.00	0.00	0.00	0.00
15	-241	115	6	1	90.00	55	0.00	0.00	0.00	0.00
15	115	-459	6	1	90.00	55	0.00	0.00	0.00	0.00
15	-459	-538	6	1	90.00	55	0.00	0.00	0.00	0.00
15	-538	-631	6	1	90.00	55	0.00	0.00	0.00	0.00
15	-631	215	6	1	90.00	55	0.00	0.00	0.00	0.00
15	215	-889	6	1	90.00	55	0.00	0.00	0.00	0.00
15	-889	-968	6	1	90.00	55	0.00	0.00	0.00	0.00
15	-968	-1061	6	1	90.00	55	0.00	0.00	0.00	0.00
15	-1061	315	6	1	90.00	55	0.00	0.00	0.00	0.00
16	16	-174	5	1	90.00	88	0.00	0.00	0.00	0.00
16	-174	-244	5	1	90.00	88	0.00	0.00	0.00	0.00
16	-244	116	5	1	90.00	88	0.00	0.00	0.00	0.00
16	116	-461	5	1	90.00	88	0.00	0.00	0.00	0.00
16	-461	-540	5	1	90.00	88	0.00	0.00	0.00	0.00
16	-540	-634	5	1	90.00	88	0.00	0.00	0.00	0.00
16	-634	216	5	1	90.00	88	0.00	0.00	0.00	0.00
16	216	-891	5	1	90.00	88	0.00	0.00	0.00	0.00
16	-891	-970	5	1	90.00	88	0.00	0.00	0.00	0.00
16	-970	-1064	5	1	90.00	88	0.00	0.00	0.00	0.00
16	-1064	316	5	1	90.00	88	0.00	0.00	0.00	0.00
17	17	-177	5	1	90.00	88	0.00	0.00	0.00	0.00
17	-177	-247	5	1	90.00	88	0.00	0.00	0.00	0.00
17	-247	117	5	1	90.00	88	0.00	0.00	0.00	0.00
17	117	-464	5	1	90.00	88	0.00	0.00	0.00	0.00
17	-464	-543	5	1	90.00	88	0.00	0.00	0.00	0.00
17	-543	-637	5	1	90.00	88	0.00	0.00	0.00	0.00
17	-637	217	5	1	90.00	88	0.00	0.00	0.00	0.00
17	217	-894	5	1	90.00	88	0.00	0.00	0.00	0.00
17	-894	-973	5	1	90.00	88	0.00	0.00	0.00	0.00
17	-973	-1067	5	1	90.00	88	0.00	0.00	0.00	0.00
17	-1067	317	5	1	90.00	88	0.00	0.00	0.00	0.00
18	-181	-251		1	90.00	55	3.00	3.00	0.00	0.00
18	-251	118		1	90.00	55	3.00	3.00	0.00	0.00
18	118	-448		1	90.00	55	3.00	3.00	0.00	0.00
18	-448	-527		1	90.00	55	3.00	3.00	0.00	0.00
18	-527	-606		1	90.00	55	3.00	3.00	0.00	0.00
18	-606	-707		1	90.00	55	3.00	3.00	0.00	0.00
18	-707	218		1	90.00	55	3.00	3.00	0.00	0.00
18	218	-878		1	90.00	55	3.00	3.00	0.00	0.00
18	-878	-957		1	90.00	55	3.00	3.00	0.00	0.00
18	-957	-1036		1	90.00	55	3.00	3.00	0.00	0.00
18	-1036	-1136		1	90.00	55	3.00	3.00	0.00	0.00
18	-1136	318		1	90.00	55	3.00	3.00	0.00	0.00
19	19	-182		1	90.00	55	0.00	0.00	0.00	0.00
19	-182	-252		1	90.00	55	0.00	0.00	0.00	0.00
19	-252	119		1	90.00	55	0.00	0.00	0.00	0.00
19	119	-449		1	90.00	55	0.00	0.00	0.00	0.00
19	-449	-528		1	90.00	55	0.00	0.00	0.00	0.00
19	-528	-607		1	90.00	55	0.00	0.00	0.00	0.00
19	-607	-708		1	90.00	55	0.00	0.00	0.00	0.00
19	-708	219		1	90.00	55	0.00	0.00	0.00	0.00
19	219	-879		1	90.00	55	0.00	0.00	0.00	0.00
19	-879	-958		1	90.00	55	0.00	0.00	0.00	0.00
19	-958	-1037		1	90.00	55	0.00	0.00	0.00	0.00
19	-1037	-1137		1	90.00	55	0.00	0.00	0.00	0.00
19	-1137	319		1	90.00	55	0.00	0.00	0.00	0.00
20	20	-191		1	90.00	55	-3.00	-3.00	0.00	0.00
20	-191	-261		1	90.00	55	-3.00	-3.00	0.00	0.00

Relazione di calcolo

20	-261	120		1		90.00	55	-3.00	-3.00	0.00	0.00	
20	120	-458		1		90.00	55	-3.00	-3.00	0.00	0.00	
20	-458	-537		1		90.00	55	-3.00	-3.00	0.00	0.00	
20	-537	-616		1		90.00	55	-3.00	-3.00	0.00	0.00	
20	-616	-717		1		90.00	55	-3.00	-3.00	0.00	0.00	
20	-717	220		1		90.00	55	-3.00	-3.00	0.00	0.00	
20	220	-888		1		90.00	55	-3.00	-3.00	0.00	0.00	
20	-888	-967		1		90.00	55	-3.00	-3.00	0.00	0.00	
20	-967	-1046		1		90.00	55	-3.00	-3.00	0.00	0.00	
20	-1046	-1146		1		90.00	55	-3.00	-3.00	0.00	0.00	
20	-1146	320		1		90.00	55	-3.00	-3.00	0.00	0.00	
101	101	-1495	26	1		0.00	22	0.00	0.00	0.00	0.00	
101	-1495	-288	26	1		0.00	22	0.00	0.00	0.00	0.00	
101	-288	-289	26	1		0.00	22	0.00	0.00	0.00	0.00	
101	-289	-290	26	1		0.00	22	0.00	0.00	0.00	0.00	
101	-290	-291	26	1		0.00	22	0.00	0.00	0.00	0.00	
101	-291	-1556	26	1		0.00	22	0.00	0.00	0.00	0.00	
101	-1556	102	26	1		0.00	22	0.00	0.00	0.00	0.00	
101	102	-1557	26	1		0.00	22	0.00	0.00	0.00	0.00	
101	-1557	-292	26	1		0.00	22	0.00	0.00	0.00	0.00	
101	-292	-293	26	1		0.00	22	0.00	0.00	0.00	0.00	
101	-293	-294	26	1		0.00	22	0.00	0.00	0.00	0.00	
101	-294	-295	26	1		0.00	22	0.00	0.00	0.00	0.00	
101	-295	-1603	26	1		0.00	22	0.00	0.00	0.00	0.00	
101	-1603	103	26	1		0.00	22	0.00	0.00	0.00	0.00	
101	103	-1596	26	1		0.00	22	0.00	0.00	0.00	0.00	
101	-1596	-296	26	1		0.00	22	0.00	0.00	0.00	0.00	
101	-296	-297	26	1		0.00	22	0.00	0.00	0.00	0.00	
101	-297	-298	26	1		0.00	22	0.00	0.00	0.00	0.00	
101	-298	-299	26	1		0.00	22	0.00	0.00	0.00	0.00	
101	-299	-1480	26	1		0.00	22	0.00	0.00	0.00	0.00	
101	-1480	104	26	1		0.00	22	0.00	0.00	0.00	0.00	
103	105	-328	26	1		0.00	22	0.00	0.00	0.00	0.00	
103	-328	-329	26	1		0.00	22	0.00	0.00	0.00	0.00	
103	-329	106	26	1		0.00	22	0.00	0.00	0.00	0.00	
103	106	-330	26	1		0.00	22	0.00	0.00	0.00	0.00	
103	-330	-331	26	1		0.00	22	0.00	0.00	0.00	0.00	
103	-331	107	26	1		0.00	22	0.00	0.00	0.00	0.00	
103	107	-332	26	1		0.00	22	0.00	0.00	0.00	0.00	
103	-332	-333	26	1		0.00	22	0.00	0.00	0.00	0.00	
103	-333	-334	26	1		0.00	22	0.00	0.00	0.00	0.00	
103	-334	-335	26	1		0.00	22	0.00	0.00	0.00	0.00	
103	-335	-336	26	1		0.00	22	0.00	0.00	0.00	0.00	
103	-336	-337	26	1		0.00	22	0.00	0.00	0.00	0.00	
103	-337	-338	26	1		0.00	22	0.00	0.00	0.00	0.00	
103	-338	-339	26	1		0.00	22	0.00	0.00	0.00	0.00	
103	-339	108	26	1		0.00	22	0.00	0.00	0.00	0.00	
104	109	-348	12	1		0.00	22	0.00	0.00	0.00	0.00	
104	-348	-349	12	1		0.00	22	0.00	0.00	0.00	0.00	
104	-349	110	12	1		0.00	22	0.00	0.00	0.00	0.00	
104	110	-350	10	1		0.00	22	-15.00	-15.00	0.00	0.00	
104	-350	-351	10	1		0.00	22	-15.00	-15.00	0.00	0.00	
104	-351	111	10	1		0.00	22	-15.00	-15.00	0.00	0.00	
104	111	-352	10	1		0.00	22	-15.00	-15.00	0.00	0.00	
104	-352	-353	10	1		0.00	22	-15.00	-15.00	0.00	0.00	
104	-353	-1664	10	1		0.00	22	-15.00	-15.00	0.00	0.00	
104	-1664	112	10	1		0.00	22	-15.00	-15.00	0.00	0.00	
104	-1671	112	10	1		0.00	22	15.00	15.00	0.00	0.00	
104	-354	-1671	10	1		0.00	22	15.00	15.00	0.00	0.00	
104	-355	-354	10	1		0.00	22	15.00	15.00	0.00	0.00	
104	-1639	-355	10	1		0.00	22	15.00	15.00	0.00	0.00	
104	113	-1639	10	1		0.00	22	15.00	15.00	0.00	0.00	
104	113	-1638	10	1		0.00	22	-15.00	-15.00	0.00	0.00	
104	-1638	-356	10	1		0.00	22	-15.00	-15.00	0.00	0.00	
104	-356	-357	10	1		0.00	22	-15.00	-15.00	0.00	0.00	
104	-357	-358	10	1		0.00	22	-15.00	-15.00	0.00	0.00	
104	-358	-359	10	1		0.00	22	-15.00	-15.00	0.00	0.00	
104	-359	-1629	10	1		0.00	22	-15.00	-15.00	0.00	0.00	
104	-1629	114	10	1		0.00	22	-15.00	-15.00	0.00	0.00	
105	115	-1541	10	1		0.00	22	15.00	15.00	0.00	0.00	
105	-1541	-364	10	1		0.00	22	15.00	15.00	0.00	0.00	
105	-364	-365	10	1		0.00	22	15.00	15.00	0.00	0.00	
105	-365	-366	10	1		0.00	22	15.00	15.00	0.00	0.00	
105	-366	-367	10	1		0.00	22	15.00	15.00	0.00	0.00	
105	-367	116	10	1		0.00	22	15.00	15.00	0.00	0.00	
105	116	-368	10	1		0.00	22	15.00	15.00	0.00	0.00	
105	-368	-369	10	1		0.00	22	15.00	15.00	0.00	0.00	
105	-369	-370	10	1		0.00	22	15.00	15.00	0.00	0.00	
105	-370	-371	10	1		0.00	22	15.00	15.00	0.00	0.00	

Relazione di calcolo

105	-371	117	10	1	0.00	22	15.00	15.00	0.00	0.00
106	119	118	43	1	0.00	22	0.00	0.00	0.00	0.00
107	-304	-300	27	1	0.00	22	0.00	0.00	0.00	0.00
107	-308	-304	27	1	0.00	22	0.00	0.00	0.00	0.00
107	-312	-308	27	1	0.00	22	0.00	0.00	0.00	0.00
107	-314	-312	27	1	0.00	22	0.00	0.00	0.00	0.00
107	-316	-314	27	1	0.00	22	0.00	0.00	0.00	0.00
107	-318	-316	27	1	0.00	22	0.00	0.00	0.00	0.00
107	-320	-318	27	1	0.00	22	0.00	0.00	0.00	0.00
107	-324	-320	27	1	0.00	22	0.00	0.00	0.00	0.00
107	105	-324	27	1	0.00	22	0.00	0.00	0.00	0.00
107	-347	105	27	1	0.00	22	0.00	0.00	0.00	0.00
107	-1525	-347	27	1	0.00	22	0.00	0.00	0.00	0.00
107	109	-1525	27	1	0.00	22	0.00	0.00	0.00	0.00
107	109	-1511	27	1	0.00	22	0.00	0.00	0.00	0.00
107	-1511	-360	27	1	0.00	22	0.00	0.00	0.00	0.00
107	-360	-363	27	1	0.00	22	0.00	0.00	0.00	0.00
107	-363	115	27	1	0.00	22	0.00	0.00	0.00	0.00
107	115	-372	27	1	0.00	22	0.00	0.00	0.00	0.00
107	-372	-373	27	1	0.00	22	0.00	0.00	0.00	0.00
107	-373	-1344	27	1	0.00	22	0.00	0.00	0.00	0.00
107	-1344	-1348	27	1	0.00	22	0.00	0.00	0.00	0.00
107	-1348	118	27	1	0.00	22	0.00	0.00	0.00	0.00
110	-1363	102	27	1	0.00	22	0.00	0.00	0.00	0.00
110	-302	-1363	27	1	0.00	22	0.00	0.00	0.00	0.00
110	-306	-302	27	1	0.00	22	0.00	0.00	0.00	0.00
110	-310	-306	27	1	0.00	22	0.00	0.00	0.00	0.00
110	-321	-310	27	1	0.00	22	0.00	0.00	0.00	0.00
110	-325	-321	27	1	0.00	22	0.00	0.00	0.00	0.00
110	-1397	-325	27	1	0.00	22	0.00	0.00	0.00	0.00
110	106	-1397	27	1	0.00	22	0.00	0.00	0.00	0.00
110	-1390	106	28	1	0.00	22	0.00	0.00	0.00	0.00
110	-340	-1390	28	1	0.00	22	0.00	0.00	0.00	0.00
110	-343	-340	28	1	0.00	22	0.00	0.00	0.00	0.00
110	-345	-343	28	1	0.00	22	0.00	0.00	0.00	0.00
110	111	-345	28	1	0.00	22	0.00	0.00	0.00	0.00
111	117	112	26	1	0.00	22	-27.00	-27.00	0.00	0.00
111	117	120	26	1	0.00	22	27.00	27.00	0.00	0.00
112	-1413	103	27	1	0.00	22	0.00	0.00	0.00	0.00
112	-303	-1413	27	1	0.00	22	0.00	0.00	0.00	0.00
112	-307	-303	27	1	0.00	22	0.00	0.00	0.00	0.00
112	-311	-307	27	1	0.00	22	0.00	0.00	0.00	0.00
112	-322	-311	27	1	0.00	22	0.00	0.00	0.00	0.00
112	-326	-322	27	1	0.00	22	0.00	0.00	0.00	0.00
112	-1429	-326	27	1	0.00	22	0.00	0.00	0.00	0.00
112	107	-1429	27	1	0.00	22	0.00	0.00	0.00	0.00
112	-1454	107	28	1	0.00	22	0.00	0.00	0.00	0.00
112	-341	-1454	28	1	0.00	22	0.00	0.00	0.00	0.00
112	-344	-341	28	1	0.00	22	0.00	0.00	0.00	0.00
112	113	-344	28	1	0.00	22	0.00	0.00	0.00	0.00
113	-342	108	43	1	0.00	22	-1.00	-1.00	0.00	0.00
113	-346	-342	43	1	0.00	22	-1.00	-1.00	0.00	0.00
113	114	-346	43	1	0.00	22	-1.00	-1.00	0.00	0.00
115	110	-361	26	1	0.00	22	27.00	27.00	0.00	0.00
115	-362	-361	26	1	0.00	22	-27.00	-27.00	0.00	0.00
115	-362	116	26	1	0.00	22	27.00	27.00	0.00	0.00
115	116	119	26	1	0.00	22	27.00	-48.00	0.00	0.00
201	201	-1500	26	1	0.00	22	0.00	0.00	0.00	0.00
201	-1500	-718	26	1	0.00	22	0.00	0.00	0.00	0.00
201	-718	-719	26	1	0.00	22	0.00	0.00	0.00	0.00
201	-719	-720	26	1	0.00	22	0.00	0.00	0.00	0.00
201	-720	-721	26	1	0.00	22	0.00	0.00	0.00	0.00
201	-721	-1568	26	1	0.00	22	0.00	0.00	0.00	0.00
201	-1568	202	26	1	0.00	22	0.00	0.00	0.00	0.00
201	202	-1569	26	1	0.00	22	0.00	0.00	0.00	0.00
201	-1569	-722	26	1	0.00	22	0.00	0.00	0.00	0.00
201	-722	-723	26	1	0.00	22	0.00	0.00	0.00	0.00
201	-723	-724	26	1	0.00	22	0.00	0.00	0.00	0.00
201	-724	-725	26	1	0.00	22	0.00	0.00	0.00	0.00
201	-725	-1609	26	1	0.00	22	0.00	0.00	0.00	0.00
201	-1609	203	26	1	0.00	22	0.00	0.00	0.00	0.00
201	203	-1590	26	1	0.00	22	0.00	0.00	0.00	0.00
201	-1590	-726	26	1	0.00	22	0.00	0.00	0.00	0.00
201	-726	-727	26	1	0.00	22	0.00	0.00	0.00	0.00
201	-727	-728	26	1	0.00	22	0.00	0.00	0.00	0.00
201	-728	-729	26	1	0.00	22	0.00	0.00	0.00	0.00
201	-729	-1485	26	1	0.00	22	0.00	0.00	0.00	0.00
201	-1485	204	26	1	0.00	22	0.00	0.00	0.00	0.00
203	205	-758	26	1	0.00	22	0.00	0.00	0.00	0.00

Relazione di calcolo

203	-758	-759	26	1	0.00	22	0.00	0.00	0.00	0.00	
203	-759	206	26	1	0.00	22	0.00	0.00	0.00	0.00	
203	206	-760	26	1	0.00	22	0.00	0.00	0.00	0.00	
203	-760	-761	26	1	0.00	22	0.00	0.00	0.00	0.00	
203	-761	207	26	1	0.00	22	0.00	0.00	0.00	0.00	
203	207	-762	26	1	0.00	22	0.00	0.00	0.00	0.00	
203	-762	-763	26	1	0.00	22	0.00	0.00	0.00	0.00	
203	-763	-764	26	1	0.00	22	0.00	0.00	0.00	0.00	
203	-764	-765	26	1	0.00	22	0.00	0.00	0.00	0.00	
203	-765	-766	26	1	0.00	22	0.00	0.00	0.00	0.00	
203	-766	-767	26	1	0.00	22	0.00	0.00	0.00	0.00	
203	-767	-768	26	1	0.00	22	0.00	0.00	0.00	0.00	
203	-768	-769	26	1	0.00	22	0.00	0.00	0.00	0.00	
203	-769	208	26	1	0.00	22	0.00	0.00	0.00	0.00	
204	209	-778	12	1	0.00	22	0.00	0.00	0.00	0.00	
204	-778	-779	12	1	0.00	22	0.00	0.00	0.00	0.00	
204	-779	210	12	1	0.00	22	0.00	0.00	0.00	0.00	
204	210	-780	10	1	0.00	22	-15.00	-15.00	0.00	0.00	
204	-780	-781	10	1	0.00	22	-15.00	-15.00	0.00	0.00	
204	-781	211	10	1	0.00	22	-15.00	-15.00	0.00	0.00	
204	211	-782	10	1	0.00	22	-15.00	-15.00	0.00	0.00	
204	-782	-783	10	1	0.00	22	-15.00	-15.00	0.00	0.00	
204	-783	-1666	10	1	0.00	22	-15.00	-15.00	0.00	0.00	
204	-1666	212	10	1	0.00	22	-15.00	-15.00	0.00	0.00	
204	-1679	212	10	1	0.00	22	15.00	15.00	0.00	0.00	
204	-784	-1679	10	1	0.00	22	15.00	15.00	0.00	0.00	
204	-785	-784	10	1	0.00	22	15.00	15.00	0.00	0.00	
204	-1642	-785	10	1	0.00	22	15.00	15.00	0.00	0.00	
204	213	-1642	10	1	0.00	22	15.00	15.00	0.00	0.00	
204	213	-1648	10	1	0.00	22	-15.00	-15.00	0.00	0.00	
204	-1648	-786	10	1	0.00	22	-15.00	-15.00	0.00	0.00	
204	-786	-787	10	1	0.00	22	-15.00	-15.00	0.00	0.00	
204	-787	-788	10	1	0.00	22	-15.00	-15.00	0.00	0.00	
204	-788	-789	10	1	0.00	22	-15.00	-15.00	0.00	0.00	
204	-789	-1624	10	1	0.00	22	-15.00	-15.00	0.00	0.00	
204	-1624	214	10	1	0.00	22	-15.00	-15.00	0.00	0.00	
205	215	-1545	10	1	0.00	22	15.00	15.00	0.00	0.00	
205	-1545	-794	10	1	0.00	22	15.00	15.00	0.00	0.00	
205	-794	-795	10	1	0.00	22	15.00	15.00	0.00	0.00	
205	-795	-796	10	1	0.00	22	15.00	15.00	0.00	0.00	
205	-796	-797	10	1	0.00	22	15.00	15.00	0.00	0.00	
205	-797	216	10	1	0.00	22	15.00	15.00	0.00	0.00	
205	216	-798	10	1	0.00	22	15.00	15.00	0.00	0.00	
205	-798	-799	10	1	0.00	22	15.00	15.00	0.00	0.00	
205	-799	-800	10	1	0.00	22	15.00	15.00	0.00	0.00	
205	-800	-801	10	1	0.00	22	15.00	15.00	0.00	0.00	
205	-801	217	10	1	0.00	22	15.00	15.00	0.00	0.00	
206	219	218	43	1	0.00	22	0.00	0.00	0.00	0.00	
207	-730	201	27	1	0.00	22	0.00	0.00	0.00	0.00	
207	-734	-730	27	1	0.00	22	0.00	0.00	0.00	0.00	
207	-738	-734	27	1	0.00	22	0.00	0.00	0.00	0.00	
207	-742	-738	27	1	0.00	22	0.00	0.00	0.00	0.00	
207	-744	-742	27	1	0.00	22	0.00	0.00	0.00	0.00	
207	-746	-744	27	1	0.00	22	0.00	0.00	0.00	0.00	
207	-748	-746	27	1	0.00	22	0.00	0.00	0.00	0.00	
207	-750	-748	27	1	0.00	22	0.00	0.00	0.00	0.00	
207	-754	-750	27	1	0.00	22	0.00	0.00	0.00	0.00	
207	205	-754	27	1	0.00	22	0.00	0.00	0.00	0.00	
207	-777	205	27	1	0.00	22	0.00	0.00	0.00	0.00	
207	-1530	-777	27	1	0.00	22	0.00	0.00	0.00	0.00	
207	209	-1530	27	1	0.00	22	0.00	0.00	0.00	0.00	
207	209	-1516	27	1	0.00	22	0.00	0.00	0.00	0.00	
207	-1516	-790	27	1	0.00	22	0.00	0.00	0.00	0.00	
207	-790	-793	27	1	0.00	22	0.00	0.00	0.00	0.00	
207	-793	215	27	1	0.00	22	0.00	0.00	0.00	0.00	
207	215	-802	27	1	0.00	22	0.00	0.00	0.00	0.00	
207	-802	-803	27	1	0.00	22	0.00	0.00	0.00	0.00	
207	-803	-804	27	1	0.00	22	0.00	0.00	0.00	0.00	
207	-804	-1353	27	1	0.00	22	0.00	0.00	0.00	0.00	
207	-1353	218	27	1	0.00	22	0.00	0.00	0.00	0.00	
210	-1369	202	27	1	0.00	22	0.00	0.00	0.00	0.00	
210	-732	-1369	27	1	0.00	22	0.00	0.00	0.00	0.00	
210	-740	-732	27	1	0.00	22	0.00	0.00	0.00	0.00	
210	-751	-740	27	1	0.00	22	0.00	0.00	0.00	0.00	
210	-755	-751	27	1	0.00	22	0.00	0.00	0.00	0.00	
210	-1403	-755	27	1	0.00	22	0.00	0.00	0.00	0.00	
210	206	-1403	27	1	0.00	22	0.00	0.00	0.00	0.00	
210	-1384	206	28	1	0.00	22	0.00	0.00	0.00	0.00	
210	-770	-1384	28	1	0.00	22	0.00	0.00	0.00	0.00	

Relazione di calcolo

210	-773	-770	28	1	0.00	22	0.00	0.00	0.00	0.00
210	-775	-773	28	1	0.00	22	0.00	0.00	0.00	0.00
210	211	-775	28	1	0.00	22	0.00	0.00	0.00	0.00
211	217	212	26	1	0.00	22	-27.00	-27.00	0.00	0.00
211	217	220	26	1	0.00	22	27.00	27.00	0.00	0.00
212	-1419	203	27	1	0.00	22	0.00	0.00	0.00	0.00
212	-733	-1419	27	1	0.00	22	0.00	0.00	0.00	0.00
212	-737	-733	27	1	0.00	22	0.00	0.00	0.00	0.00
212	-752	-737	27	1	0.00	22	0.00	0.00	0.00	0.00
212	-756	-752	27	1	0.00	22	0.00	0.00	0.00	0.00
212	-1435	-756	27	1	0.00	22	0.00	0.00	0.00	0.00
212	207	-1435	27	1	0.00	22	0.00	0.00	0.00	0.00
212	-1448	207	28	1	0.00	22	0.00	0.00	0.00	0.00
212	-771	-1448	28	1	0.00	22	0.00	0.00	0.00	0.00
212	-774	-771	28	1	0.00	22	0.00	0.00	0.00	0.00
212	213	-774	28	1	0.00	22	0.00	0.00	0.00	0.00
213	-772	208	43	1	0.00	22	-1.00	-1.00	0.00	0.00
213	-776	-772	43	1	0.00	22	-1.00	-1.00	0.00	0.00
213	214	-776	43	1	0.00	22	-1.00	-1.00	0.00	0.00
215	210	-791	26	1	0.00	22	27.00	27.00	0.00	0.00
215	-791	-792	26	1	0.00	22	27.00	27.00	0.00	0.00
215	-792	216	26	1	0.00	22	27.00	27.00	0.00	0.00
215	216	219	26	1	0.00	22	27.00	-48.00	0.00	0.00
301	301	-1505	27	1	0.00	22	-24.50	-24.50	0.00	0.00
301	-1505	-1147	27	1	0.00	22	-24.50	-24.50	0.00	0.00
301	-1147	-1148	27	1	0.00	22	-24.50	-24.50	0.00	0.00
301	-1148	-1149	27	1	0.00	22	-24.50	-24.50	0.00	0.00
301	-1149	-1150	27	1	0.00	22	-24.50	-24.50	0.00	0.00
301	-1150	-1151	27	1	0.00	22	-24.50	-24.50	0.00	0.00
301	-1151	-1152	27	1	0.00	22	-24.50	-24.50	0.00	0.00
301	-1152	-1616	27	1	0.00	22	-24.50	-24.50	0.00	0.00
301	-1616	302	27	1	0.00	22	-24.50	-24.50	0.00	0.00
301	302	-1614	27	1	0.00	22	-24.50	-24.50	0.00	0.00
301	-1614	-1153	27	1	0.00	22	-24.50	-24.50	0.00	0.00
301	-1153	-1154	27	1	0.00	22	-24.50	-24.50	0.00	0.00
301	-1154	-1155	27	1	0.00	22	-24.50	-24.50	0.00	0.00
301	-1155	-1156	27	1	0.00	22	-24.50	-24.50	0.00	0.00
301	-1156	-1157	27	1	0.00	22	-24.50	-24.50	0.00	0.00
301	-1157	-1158	27	1	0.00	22	-24.50	-24.50	0.00	0.00
301	-1158	-1617	27	1	0.00	22	-24.50	-24.50	0.00	0.00
301	-1617	303	27	1	0.00	22	-24.50	-24.50	0.00	0.00
301	303	-1615	27	1	0.00	22	-24.50	-24.50	0.00	0.00
301	-1615	-1159	27	1	0.00	22	-24.50	-24.50	0.00	0.00
301	-1159	-1160	27	1	0.00	22	-24.50	-24.50	0.00	0.00
301	-1160	-1161	27	1	0.00	22	-24.50	-24.50	0.00	0.00
301	-1161	-1162	27	1	0.00	22	-24.50	-24.50	0.00	0.00
301	-1162	-1163	27	1	0.00	22	-24.50	-24.50	0.00	0.00
301	-1163	-1164	27	1	0.00	22	-24.50	-24.50	0.00	0.00
301	-1164	-1490	27	1	0.00	22	-24.50	-24.50	0.00	0.00
301	-1490	304	27	1	0.00	22	-24.50	-24.50	0.00	0.00
303	305	-1193	27	1	0.00	22	0.00	0.00	0.00	0.00
303	-1193	-1194	27	1	0.00	22	0.00	0.00	0.00	0.00
303	-1194	-1195	27	1	0.00	22	0.00	0.00	0.00	0.00
303	-1195	-1196	27	1	0.00	22	0.00	0.00	0.00	0.00
303	-1196	306	27	1	0.00	22	0.00	0.00	0.00	0.00
303	306	-1197	27	1	0.00	22	0.00	0.00	0.00	0.00
303	-1197	-1198	27	1	0.00	22	0.00	0.00	0.00	0.00
303	-1198	-1199	27	1	0.00	22	0.00	0.00	0.00	0.00
303	-1199	-1200	27	1	0.00	22	0.00	0.00	0.00	0.00
303	-1200	307	27	1	0.00	22	0.00	0.00	0.00	0.00
303	307	-1201	27	1	0.00	22	0.00	0.00	0.00	0.00
303	-1201	-1202	27	1	0.00	22	0.00	0.00	0.00	0.00
303	-1202	-1203	27	1	0.00	22	0.00	0.00	0.00	0.00
303	-1203	-1204	27	1	0.00	22	0.00	0.00	0.00	0.00
303	-1204	-1205	27	1	0.00	22	0.00	0.00	0.00	0.00
303	-1205	-1206	27	1	0.00	22	0.00	0.00	0.00	0.00
303	-1206	-1207	27	1	0.00	22	0.00	0.00	0.00	0.00
303	-1207	-1208	27	1	0.00	22	0.00	0.00	0.00	0.00
303	-1208	308	27	1	0.00	22	0.00	0.00	0.00	0.00
304	309	-1217	27	1	0.00	22	7.00	7.00	0.00	0.00
304	-1217	-1218	27	1	0.00	22	7.00	7.00	0.00	0.00
304	-1218	-1219	27	1	0.00	22	7.00	7.00	0.00	0.00
304	-1219	-1220	27	1	0.00	22	7.00	7.00	0.00	0.00
304	-1220	310	27	1	0.00	22	7.00	7.00	0.00	0.00
304	310	-1221	27	1	0.00	22	7.00	7.00	0.00	0.00
304	-1221	-1222	27	1	0.00	22	7.00	7.00	0.00	0.00
304	-1222	311	27	1	0.00	22	7.00	7.00	0.00	0.00
304	311	-1223	27	1	0.00	22	7.00	7.00	0.00	0.00
304	-1223	-1224	27	1	0.00	22	7.00	7.00	0.00	0.00

Relazione di calcolo

304	-1224	-1683	27	1	0.00	22	7.00	7.00	0.00	0.00
304	-1683	312	27	1	0.00	22	7.00	7.00	0.00	0.00
304	-1688	312	27	1	0.00	22	-7.00	-7.00	0.00	0.00
304	-1225	-1688	27	1	0.00	22	-7.00	-7.00	0.00	0.00
304	-1226	-1225	27	1	0.00	22	-7.00	-7.00	0.00	0.00
304	-1647	-1226	27	1	0.00	22	-7.00	-7.00	0.00	0.00
304	313	-1647	27	1	0.00	22	-7.00	-7.00	0.00	0.00
304	313	-1653	27	1	0.00	22	7.00	7.00	0.00	0.00
304	-1653	-1227	27	1	0.00	22	7.00	7.00	0.00	0.00
304	-1227	-1228	27	1	0.00	22	7.00	7.00	0.00	0.00
304	-1228	-1229	27	1	0.00	22	7.00	7.00	0.00	0.00
304	-1229	-1230	27	1	0.00	22	7.00	7.00	0.00	0.00
304	-1230	-1231	27	1	0.00	22	7.00	7.00	0.00	0.00
304	-1231	-1232	27	1	0.00	22	7.00	7.00	0.00	0.00
304	-1232	-1620	27	1	0.00	22	7.00	7.00	0.00	0.00
304	-1620	314	27	1	0.00	22	7.00	7.00	0.00	0.00
305	316	-1244	42	1	0.00	22	0.00	0.00	0.00	0.00
305	-1244	-1245	42	1	0.00	22	0.00	0.00	0.00	0.00
305	-1245	317	42	1	0.00	22	0.00	0.00	0.00	0.00
306	319	318	43	1	0.00	22	0.00	0.00	0.00	0.00
307	-1165	301	27	1	0.00	22	0.00	0.00	0.00	0.00
307	-1169	-1165	27	1	0.00	22	0.00	0.00	0.00	0.00
307	-1173	-1169	27	1	0.00	22	0.00	0.00	0.00	0.00
307	-1177	-1173	27	1	0.00	22	0.00	0.00	0.00	0.00
307	-1179	-1177	27	1	0.00	22	0.00	0.00	0.00	0.00
307	-1181	-1179	27	1	0.00	22	0.00	0.00	0.00	0.00
307	-1183	-1181	27	1	0.00	22	0.00	0.00	0.00	0.00
307	-1185	-1183	27	1	0.00	22	0.00	0.00	0.00	0.00
307	-1189	-1185	27	1	0.00	22	0.00	0.00	0.00	0.00
307	305	-1189	27	1	0.00	22	0.00	0.00	0.00	0.00
307	-1211	305	27	1	0.00	22	0.00	0.00	0.00	0.00
307	-1216	-1211	27	1	0.00	22	0.00	0.00	0.00	0.00
307	-1535	-1216	27	1	0.00	22	0.00	0.00	0.00	0.00
307	309	-1535	27	1	0.00	22	0.00	0.00	0.00	0.00
307	309	-1236	27	1	0.00	22	0.00	0.00	0.00	0.00
307	-1236	-1241	27	1	0.00	22	0.00	0.00	0.00	0.00
307	-1241	315	27	1	0.00	22	0.00	0.00	0.00	0.00
307	315	-1246	27	1	0.00	22	0.00	0.00	0.00	0.00
307	-1246	-1251	27	1	0.00	22	0.00	0.00	0.00	0.00
307	-1251	-1253	27	1	0.00	22	0.00	0.00	0.00	0.00
307	-1253	-1358	27	1	0.00	22	0.00	0.00	0.00	0.00
307	-1358	318	27	1	0.00	22	0.00	0.00	0.00	0.00
310	-1375	302	27	1	0.00	22	0.00	0.00	0.00	0.00
310	-1167	-1375	27	1	0.00	22	0.00	0.00	0.00	0.00
310	-1175	-1167	27	1	0.00	22	0.00	0.00	0.00	0.00
310	-1186	-1175	27	1	0.00	22	0.00	0.00	0.00	0.00
310	-1190	-1186	27	1	0.00	22	0.00	0.00	0.00	0.00
310	-1409	-1190	27	1	0.00	22	0.00	0.00	0.00	0.00
310	306	-1409	27	1	0.00	22	0.00	0.00	0.00	0.00
310	-1379	306	27	1	0.00	22	0.00	0.00	0.00	0.00
310	-1209	-1379	27	1	0.00	22	0.00	0.00	0.00	0.00
310	-1213	-1209	27	1	0.00	22	0.00	0.00	0.00	0.00
310	311	-1213	27	1	0.00	22	0.00	0.00	0.00	0.00
311	-1235	312	27	1	0.00	22	0.00	0.00	0.00	0.00
311	-1237	-1235	27	1	0.00	22	0.00	0.00	0.00	0.00
311	-1238	-1237	27	1	0.00	22	0.00	0.00	0.00	0.00
311	-1240	-1238	27	1	0.00	22	0.00	0.00	0.00	0.00
311	317	-1240	27	1	0.00	22	0.00	0.00	0.00	0.00
311	317	-1247	27	1	0.00	22	0.00	0.00	0.00	0.00
311	-1247	-1249	27	1	0.00	22	0.00	0.00	0.00	0.00
311	-1249	-1250	27	1	0.00	22	0.00	0.00	0.00	0.00
311	-1250	-1254	27	1	0.00	22	0.00	0.00	0.00	0.00
311	-1254	320	27	1	0.00	22	0.00	0.00	0.00	0.00
312	-1187	-1172	39	1	0.00	55	0.00	0.00	0.00	0.00
312	313	-1191	39	1	0.00	55	0.00	0.00	0.00	0.00
313	-1212	308	46	1	0.00	22	0.00	0.00	0.00	0.00
313	-1215	-1212	46	1	0.00	22	0.00	0.00	0.00	0.00
313	314	-1215	46	1	0.00	22	0.00	0.00	0.00	0.00
314	301	312	41	1	0.00	55	0.00	0.00	0.00	0.00
315	310	-1234	27	1	0.00	22	0.00	0.00	0.00	0.00
315	-1234	-1239	27	1	0.00	22	0.00	0.00	0.00	0.00
315	-1239	316	27	1	0.00	22	0.00	0.00	0.00	0.00
315	316	-1248	27	1	0.00	22	0.00	-25.00	0.00	0.00
315	-1248	-1252	27	1	0.00	22	-25.00	-50.00	0.00	0.00
315	-1252	319	27	1	0.00	22	-50.00	-75.00	0.00	0.00
325	-1167	-1190	39	1	0.00	55	0.00	0.00	0.00	0.00
325	-1190	311	39	1	0.00	55	0.00	0.00	0.00	0.00
327	-1425	303	27	1	0.00	22	0.00	0.00	0.00	0.00
327	-1168	-1425	27	1	0.00	22	0.00	0.00	0.00	0.00

Relazione di calcolo

327	-1172	-1168	27	1		0.00	22	0.00	0.00	0.00	0.00	
327	-1191	-1187	27	1		0.00	22	0.00	0.00	0.00	0.00	
327	-1441	-1191	27	1		0.00	22	0.00	0.00	0.00	0.00	
327	307	-1441	27	1		0.00	22	0.00	0.00	0.00	0.00	
327	-1443	307	27	1		0.00	22	0.00	0.00	0.00	0.00	
327	-1210	-1443	27	1		0.00	22	0.00	0.00	0.00	0.00	
327	-1214	-1210	27	1		0.00	22	0.00	0.00	0.00	0.00	
327	313	-1214	27	1		0.00	22	0.00	0.00	0.00	0.00	
402	402	401	33	1		0.00	55	0.00	0.00	0.00	0.00	
402	403	402	33	1		0.00	55	0.00	0.00	0.00	0.00	
402	404	403	33	1		0.00	55	0.00	0.00	0.00	0.00	
404	405	309	32	1		0.00	55	0.00	0.00	0.00	0.00	
404	312	405	32	1		0.00	55	0.00	0.00	0.00	0.00	
406	318	-1331	44	1		0.00	55	0.00	0.00	0.00	0.00	
406	-1331	406	44	1		0.00	55	0.00	0.00	0.00	0.00	
408	405	401	33	1		0.00	55	0.00	0.00	0.00	0.00	
408	406	405	33	1		0.00	55	0.00	0.00	0.00	0.00	
409	-1314	402	32	1		0.00	55	0.00	0.00	0.00	0.00	
409	311	-1314	32	1		0.00	55	0.00	0.00	0.00	0.00	
410	302	402	32	1		0.00	55	0.00	0.00	0.00	0.00	
412	303	403	32	1		0.00	55	0.00	0.00	0.00	0.00	
412	403	313	32	1		0.00	55	0.00	0.00	0.00	0.00	
413	404	-1330	44	1		0.00	55	0.00	0.00	0.00	0.00	
413	-1330	-1322	44	1		0.00	55	0.00	0.00	0.00	0.00	
413	-1322	314	44	1		0.00	55	0.00	0.00	0.00	0.00	
414	301	401	27	1		0.00	55	0.00	0.00	0.00	0.00	
414	401	-1314	27	1		0.00	55	0.00	0.00	0.00	0.00	
414	-1314	312	27	1		0.00	55	0.00	0.00	0.00	0.00	
601	1	-1506	1	30		0.00	22	-20.00	-20.00	0.00	0.00	2.00
601	-1506	-1	1	30		0.00	22	-20.00	-20.00	0.00	0.00	2.00
601	-1	-2	1	30		0.00	22	-20.00	-20.00	0.00	0.00	2.00
601	-2	-3	1	30		0.00	22	-20.00	-20.00	0.00	0.00	2.00
601	-3	-4	1	30		0.00	22	-20.00	-20.00	0.00	0.00	2.00
601	-4	-5	1	30		0.00	22	-20.00	-20.00	0.00	0.00	2.00
601	-5	-6	1	30		0.00	22	-20.00	-20.00	0.00	0.00	2.00
601	-6	-1550	1	30		0.00	22	-20.00	-20.00	0.00	0.00	2.00
601	-1550	2	1	30		0.00	22	-20.00	-20.00	0.00	0.00	2.00
601	2	-1552	1	30		0.00	22	-20.00	-20.00	0.00	0.00	2.00
601	-1552	-7	1	30		0.00	22	-20.00	-20.00	0.00	0.00	2.00
601	-7	-8	1	30		0.00	22	-20.00	-20.00	0.00	0.00	2.00
601	-8	-9	1	30		0.00	22	-20.00	-20.00	0.00	0.00	2.00
601	-9	-10	1	30		0.00	22	-20.00	-20.00	0.00	0.00	2.00
601	-10	-11	1	30		0.00	22	-20.00	-20.00	0.00	0.00	2.00
601	-11	-12	1	30		0.00	22	-20.00	-20.00	0.00	0.00	2.00
601	-12	-1600	1	30		0.00	22	-20.00	-20.00	0.00	0.00	2.00
601	-1600	3	1	30		0.00	22	-20.00	-20.00	0.00	0.00	2.00
601	3	-1599	1	30		0.00	22	-20.00	-20.00	0.00	0.00	2.00
601	-1599	-13	1	30		0.00	22	-20.00	-20.00	0.00	0.00	2.00
601	-13	-14	1	30		0.00	22	-20.00	-20.00	0.00	0.00	2.00
601	-14	-15	1	30		0.00	22	-20.00	-20.00	0.00	0.00	2.00
601	-15	-16	1	30		0.00	22	-20.00	-20.00	0.00	0.00	2.00
601	-16	-17	1	30		0.00	22	-20.00	-20.00	0.00	0.00	2.00
601	-17	-18	1	30		0.00	22	-20.00	-20.00	0.00	0.00	2.00
601	-18	-1477	1	30		0.00	22	-20.00	-20.00	0.00	0.00	2.00
601	-1477	4	1	30		0.00	22	-20.00	-20.00	0.00	0.00	2.00
603	-45	7	47	30		0.00	22	0.00	0.00	0.00	0.00	2.00
603	-46	-45	47	30		0.00	22	0.00	0.00	0.00	0.00	2.00
603	-47	-46	47	30		0.00	22	0.00	0.00	0.00	0.00	2.00
603	-48	-47	47	30		0.00	22	0.00	0.00	0.00	0.00	2.00
603	-49	-48	47	30		0.00	22	0.00	0.00	0.00	0.00	2.00
603	-50	-49	47	30		0.00	22	0.00	0.00	0.00	0.00	2.00
603	-51	-50	47	30		0.00	22	0.00	0.00	0.00	0.00	2.00
603	-52	-51	47	30		0.00	22	0.00	0.00	0.00	0.00	2.00
603	-53	-52	47	30		0.00	22	0.00	0.00	0.00	0.00	2.00
603	-54	-53	47	30		0.00	22	0.00	0.00	0.00	0.00	2.00
603	8	-54	47	30		0.00	22	0.00	0.00	0.00	0.00	2.00
604	9	-63	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
604	-63	-64	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
604	-64	10	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
604	10	-65	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
604	-65	-66	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
604	-66	-67	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
604	-67	11	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
604	11	-68	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
604	-68	-69	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
604	-69	-70	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
604	-70	-71	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
604	-71	-1689	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
604	-1689	12	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00

Relazione di calcolo

604	12	-1662	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
604	-1662	-72	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
604	-72	-73	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
604	-73	-1634	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
604	-1634	13	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
604	13	-1632	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
604	-1632	-74	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
604	-74	-75	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
604	-75	-1343	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
604	-1343	-77	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
604	-77	-1631	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
604	-1631	14	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
605	-1538	15	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
605	-82	-1538	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
605	-82	-83	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
605	16	-83	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
605	16	-84	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
605	-84	-85	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
605	-85	17	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
606	-93	-94	1	30		0.00	22	-10.00	-10.00	0.00	0.00	2.00
606	-94	19	1	30		0.00	22	-10.00	-10.00	0.00	0.00	2.00
606	19	-95	1	30		0.00	22	-10.00	-10.00	0.00	0.00	2.00
606	-95	-96	1	30		0.00	22	-10.00	-10.00	0.00	0.00	2.00
606	-96	-97	1	30		0.00	22	-10.00	-10.00	0.00	0.00	2.00
606	-97	-98	1	30		0.00	22	-10.00	-10.00	0.00	0.00	2.00
606	-98	-99	1	30		0.00	22	-10.00	-10.00	0.00	0.00	2.00
606	-99	-100	1	30		0.00	22	-10.00	-10.00	0.00	0.00	2.00
606	-100	-101	1	30		0.00	22	-10.00	-10.00	0.00	0.00	2.00
606	-101	-102	1	30		0.00	22	-10.00	-10.00	0.00	0.00	2.00
606	-102	20	1	30		0.00	22	-10.00	-10.00	0.00	0.00	2.00
607	-19	1	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
607	-23	-19	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
607	-23	-27	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
607	-27	-29	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
607	-29	-31	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
607	-31	-33	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
607	-33	-35	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
607	-35	-37	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
607	-41	-37	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
607	5	-41	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
607	-57	5	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
607	-57	-62	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
607	-1537	-62	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
607	9	-1537	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
607	-1536	9	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
607	-78	-1536	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
607	-81	-78	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
607	15	-81	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
607	-86	15	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
607	-88	-86	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
607	-89	-88	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
607	-90	-89	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
607	-1507	-90	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
607	18	-1507	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
610	2	-1360	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
610	-1360	-21	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
610	-21	-25	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
610	-1335	-25	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
610	-1376	-1335	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
610	-1376	-42	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
610	-42	-1693	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
610	-1693	6	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
610	6	-1692	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
610	-1692	-55	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
610	-59	-55	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
610	-59	11	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
611	-79	12	1	30		0.00	22	-10.00	-10.00	0.00	0.00	2.00
611	-80	-79	1	30		0.00	22	-10.00	-10.00	0.00	0.00	2.00
611	17	-80	1	30		0.00	22	-10.00	-10.00	0.00	0.00	2.00
611	-87	17	1	30		0.00	22	-10.00	-10.00	0.00	0.00	2.00
611	-91	-87	1	30		0.00	22	-10.00	-10.00	0.00	0.00	2.00
611	20	-91	1	30		0.00	22	-10.00	-10.00	0.00	0.00	2.00
612	-1410	3	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
612	-22	-1410	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
612	-26	-22	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
612	-26	-1338	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
612	-1338	-39	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
612	-43	-39	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
612	-1426	-43	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00

Relazione di calcolo

612	7	-1426	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
612	-1457	7	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
612	-56	-1457	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
612	-56	-60	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
612	13	-60	1	30		0.00	22	0.00	0.00	0.00	0.00	2.00
613	-20	4	1	30		0.00	33	13.00	13.00	0.00	0.00	2.00
613	-24	-20	1	30		0.00	33	13.00	13.00	0.00	0.00	2.00
613	-28	-24	1	30		0.00	33	13.00	13.00	0.00	0.00	2.00
613	-30	-28	1	30		0.00	33	13.00	13.00	0.00	0.00	2.00
613	-32	-30	1	30		0.00	33	13.00	13.00	0.00	0.00	2.00
613	-34	-32	1	30		0.00	33	13.00	13.00	0.00	0.00	2.00
613	-36	-34	1	30		0.00	33	13.00	13.00	0.00	0.00	2.00
613	-40	-36	1	30		0.00	33	13.00	13.00	0.00	0.00	2.00
613	-44	-40	1	30		0.00	33	13.00	13.00	0.00	0.00	2.00
613	8	-44	1	30		0.00	33	13.00	13.00	0.00	0.00	2.00
613	-58	8	1	30		0.00	33	13.00	13.00	0.00	0.00	2.00
613	-61	-58	1	30		0.00	33	13.00	13.00	0.00	0.00	2.00
613	14	-61	1	30		0.00	33	13.00	13.00	0.00	0.00	2.00

Elenco tipi elementi bidimensionali

Simbologia

- Tb = Numero del tipo muro/elemento bidimensionale
- Comm. = Commento
- Tipo = Tipologia
 - F = Membranale e Flessionale
 - M = Membranale
 - W-RC = Winkler resistente solo a compressione
 - W-RTC = Winkler resistente a trazione e a compressione
- Uso = Utilizzo
 - G = Generico
 - P = Parete
 - S = Soletta/Platea
 - N = Nucleo
 - M = Muratura ordinaria
 - L = Pilastro
 - MA = Muratura armata
- Mat. = Numero del materiale
- Crit. = Numero del criterio di progetto
- Spess. = Spessore
- Kt = Coeff. di sottofondo su suolo elastico alla Winkler

Tb	Comm.	Tipo	Uso	Mat.	Crit.	Spess. <cm>	Kt <daN/cmc>
2	S20	F	N	1	3	20.00	
3	S25	F	N	1	3	25.00	
4	S20 - GENERICO	F	G	1	4	20.00	
5	S26	F	N	1	3	26.00	
6	S26 - E	F	N	1	6	26.00	
7	S20 - E	F	N	1	6	20.00	

Elenco elementi bidimensionali

Simbologia

- Bid. = Numero del muro/elemento bidimensionale
- Tb = Numero del tipo muro/elemento bidimensionale
- FF = Filo fisso
- Dy1 = Scost. filo fisso Y1
- Dy2 = Scost. filo fisso Y2
- Kt = Coeff. di sottofondo su suolo elastico alla Winkler
- NN = Nodi

Bid.	Tb	FF	Dy1 <cm>	Dy2 <cm>	Kt <daN/cmc>	NN
0	7	22	0.00	0.00		-644 -1678 -1679 212
0	3	22	0.00	0.00		101 -1495 -1496 -386
0	3	22	0.00	0.00		201 -1500 -1501 -816
0	7	22	0.00	0.00		-144 -1392 -1391 -282
0	7	22	0.00	0.00		106 -1390 -1389 -419
0	7	22	0.00	0.00		212 -1679 -1684 -868
0	3	22	0.00	0.00		2 -1552 -1553 -108
0	3	22	0.00	0.00		102 -1557 -1558 -389
0	3	22	0.00	0.00		202 -1569 -1570 -819
0	7	22	0.00	0.00		-1074 -1687 -1688 312
0	7	22	0.00	0.00		-577 -1387 -1386 -627
0	7	22	0.00	0.00		-627 -1386 -1385 -688
0	3	22	0.00	0.00		3 -1599 -1598 -113
0	3	22	0.00	0.00		103 -1596 -1595 -392
0	3	22	0.00	0.00		203 -1590 -1589 -822
0	3	22	0.00	0.00		-1491 -118 -197 -1479

Relazione di calcolo

0	7	22	0.00	0.00	-950 -1650 -1651 -1029
0	7	22	0.00	0.00	-1029 -1651 -1652 -1077
0	3	22	0.00	0.00	-103 -1493 -1494 -192
0	3	22	0.00	0.00	-192 -1494 -1495 101
0	3	22	0.00	0.00	-386 -1496 -1497 -465
0	3	22	0.00	0.00	-465 -1497 -1498 -544
0	3	22	0.00	0.00	-544 -1498 -1499 -650
0	3	22	0.00	0.00	-650 -1499 -1500 201
0	3	22	0.00	0.00	-816 -1501 -1502 -895
0	3	22	0.00	0.00	-895 -1502 -1503 -974
0	3	22	0.00	0.00	-974 -1503 -1504 -1080
0	3	22	0.00	0.00	-1080 -1504 -1505 301
0	7	22	0.00	0.00	-1634 13 -166 -1661
0	7	22	0.00	0.00	-547 -1366 -1367 -618
0	7	22	0.00	0.00	3 -1410 -1411 -113
0	3	22	0.00	0.00	-1578 -1083 302 -1616
0	3	22	0.00	0.00	-819 -1570 -1573 -898
0	3	22	0.00	0.00	-898 -1573 -1574 -977
0	3	22	0.00	0.00	-977 -1574 -1576 -1048
0	2	22	0.00	0.00	-663 -667 -740 -732
0	6	22	0.00	0.00	109 -1511 -1512 -433
0	3	22	0.00	0.00	-1551 -108 -264 -1555
0	4	22	0.00	0.00	-720 -652 -721
0	7	22	0.00	0.00	-621 -1417 -1418 -656
0	3	22	0.00	0.00	-389 -1558 -1561 -468
0	3	22	0.00	0.00	-468 -1561 -1562 -547
0	3	22	0.00	0.00	-547 -1562 -1565 -618
0	3	22	0.00	0.00	-653 -1566 -1569 202
0	7	22	0.00	0.00	203 -1419 -1420 -822
0	7	22	0.00	0.00	-822 -1420 -1421 -901
0	3	22	0.00	0.00	-108 -1553 -1554 -264
0	3	22	0.00	0.00	-264 -1554 -1557 102
0	3	22	0.00	0.00	-269 -1597 -1596 103
0	3	22	0.00	0.00	-113 -1598 -1597 -269
0	6	22	0.00	0.00	-512 -1513 -1514 -591
0	6	22	0.00	0.00	-591 -1514 -1515 -639
0	3	22	0.00	0.00	-392 -1595 -1594 -471
0	3	22	0.00	0.00	-471 -1594 -1593 -550
0	4	22	0.00	0.00	-657 -727 -726
0	3	22	0.00	0.00	-656 -1591 -1590 203
0	4	22	0.00	0.00	-285 -287 -344 -341
0	3	22	0.00	0.00	-1482 -474 -553 -1483
0	2	22	0.00	0.00	-664 -1476 -737 -733
0	7	22	0.00	0.00	-1008 -1445 -1444 -1058
0	7	22	0.00	0.00	-929 -1446 -1445 -1008
0	6	22	0.00	0.00	-863 -1517 -1518 -942
0	6	22	0.00	0.00	-942 -1518 -1519 -1021
0	3	22	0.00	0.00	-1582 -1086 303 -1617
0	3	22	0.00	0.00	-822 -1589 -1588 -901
0	3	22	0.00	0.00	-901 -1588 -1587 -980
0	3	22	0.00	0.00	-980 -1587 -1586 -1051
0	3	22	0.00	0.00	-1484 -660 204 -1485
0	2	22	0.00	0.00	-1093 -1472 -1172 -1168
0	4	22	0.00	0.00	-633 -634 216 -797
0	7	22	0.00	0.00	207 -1448 -1447 -850
0	7	22	0.00	0.00	107 -1454 -1453 -420
0	7	22	0.00	0.00	7 -1457 -1456 -145
0	7	22	0.00	0.00	-1407 -1057 -1117 -1408
0	6	22	0.00	0.00	-1036 -1356 -1357 -1136
0	2	22	0.00	0.00	-680 -684 -755 -751
0	3	22	0.00	0.00	-1477 4 -118 -1491
0	7	22	0.00	0.00	-1693 6 -144 -1395
0	7	22	0.00	0.00	-596 -1677 -1678 -644
0	2	22	0.00	0.00	-681 -685 -756 -752
0	4	22	0.00	0.00	-654 -723 -722
0	7	22	0.00	0.00	-1395 -144 -282 -1396
0	3	22	0.00	0.00	-550 -1593 -1592 -621
0	7	22	0.00	0.00	-1396 -282 106 -1397
0	4	22	0.00	0.00	-243 -244 116 -367
0	4	22	0.00	0.00	-658 -659 -729 -728
0	3	22	0.00	0.00	-1606 -550 -621 -1607
0	7	22	0.00	0.00	-1398 -419 -498 -1399
0	7	22	0.00	0.00	-239 -1630 -1629 114
0	3	22	0.00	0.00	-1609 203 -822 -1610
0	2	22	0.00	0.00	-1110 -1114 -1191 -1187
0	3	22	0.00	0.00	-1611 -901 -980 -1612
0	3	22	0.00	0.00	-1612 -980 -1051 -1613
0	7	22	0.00	0.00	-445 -1628 -1627 -524
0	7	22	0.00	0.00	-928 -1382 -1380 -1007

Relazione di calcolo

0	7	22	0.00	0.00	-108 -1361 -1362 -264
0	7	22	0.00	0.00	-524 -1627 -1626 -603
0	7	22	0.00	0.00	6 -1692 -1392 -144
0	7	22	0.00	0.00	-850 -1447 -1446 -929
0	7	22	0.00	0.00	-1426 7 -145 -1427
0	7	22	0.00	0.00	-1427 -145 -283 -1428
0	7	22	0.00	0.00	-1428 -283 107 -1429
0	7	22	0.00	0.00	-389 -1364 -1365 -468
0	4	22	0.00	0.00	-1088 -1164 -1163
0	4	22	0.00	0.00	-1087 -1159 -1160
0	4	22	0.00	0.00	-1151 -1082 -1152
0	7	22	0.00	0.00	-1433 -628 -689 -1434
0	7	22	0.00	0.00	-1434 -689 207 -1435
0	7	22	0.00	0.00	-1435 207 -850 -1436
0	7	22	0.00	0.00	-1436 -850 -929 -1437
0	7	22	0.00	0.00	-618 -1367 -1368 -653
0	7	22	0.00	0.00	-1438 -1008 -1058 -1439
0	7	22	0.00	0.00	-653 -1368 -1369 202
0	7	22	0.00	0.00	-392 -1414 -1415 -471
0	7	22	0.00	0.00	103 -1413 -1414 -392
0	7	22	0.00	0.00	-819 -1370 -1371 -898
0	7	22	0.00	0.00	-1134 -1619 -1620 314
0	7	22	0.00	0.00	-898 -1371 -1372 -977
0	7	22	0.00	0.00	102 -1363 -1364 -389
0	7	22	0.00	0.00	-977 -1372 -1373 -1048
0	3	22	0.00	0.00	-1481 -395 -474 -1482
0	7	22	0.00	0.00	-1048 -1373 -1374 -1083
0	6	22	0.00	0.00	-181 -1346 -1347 -251
0	7	22	0.00	0.00	-1083 -1374 -1375 302
0	6	22	0.00	0.00	-251 -1347 -1348 118
0	6	22	0.00	0.00	18 -1507 -1346 -181
0	3	22	0.00	0.00	-1048 -1576 -1579 -1083
0	3	22	0.00	0.00	-618 -1565 -1566 -653
0	7	22	0.00	0.00	-1656 -647 213 -1642
0	3	22	0.00	0.00	-1485 204 -825 -1486
0	7	22	0.00	0.00	-1406 -1007 -1057 -1407
0	3	22	0.00	0.00	-1479 -197 104 -1480
0	6	22	0.00	0.00	-448 -1349 -1350 -527
0	7	22	0.00	0.00	-849 -1383 -1382 -928
0	7	22	0.00	0.00	-1405 -928 -1007 -1406
0	6	22	0.00	0.00	-527 -1350 -1351 -606
0	7	22	0.00	0.00	-1118 -1442 -1443 307
0	7	22	0.00	0.00	-1404 -849 -928 -1405
0	6	22	0.00	0.00	-606 -1351 -1352 -707
0	7	22	0.00	0.00	-1403 206 -849 -1404
0	3	22	0.00	0.00	-1488 -983 -1089 -1489
0	7	22	0.00	0.00	-1402 -688 206 -1403
0	3	22	0.00	0.00	1 -1506 -1493 -103
0	2	22	0.00	0.00	-1109 -1113 -1190 -1186
0	7	22	0.00	0.00	-578 -1451 -1450 -628
0	7	22	0.00	0.00	-1691 -163 -232 -1669
0	6	22	0.00	0.00	-878 -1354 -1355 -957
0	7	22	0.00	0.00	-283 -1455 -1454 107
0	7	22	0.00	0.00	-145 -1456 -1455 -283
0	7	22	0.00	0.00	-232 -1670 -1671 112
0	7	22	0.00	0.00	-1408 -1117 306 -1409
0	7	22	0.00	0.00	-1681 -1026 -1074 -1682
0	7	22	0.00	0.00	-1437 -929 -1008 -1438
0	7	22	0.00	0.00	-1682 -1074 312 -1683
0	7	22	0.00	0.00	112 -1671 -1675 -438
0	6	22	0.00	0.00	9 -1536 -1509 -158
0	7	22	0.00	0.00	-517 -1676 -1677 -596
0	3	22	0.00	0.00	-1555 -264 102 -1556
0	7	22	0.00	0.00	-1645 -1029 -1077 -1646
0	7	22	0.00	0.00	14 -1631 -1618 -170
0	7	22	0.00	0.00	114 -1629 -1628 -445
0	7	22	0.00	0.00	214 -1624 -1623 -875
0	3	22	0.00	0.00	-1603 103 -392 -1604
0	7	22	0.00	0.00	206 -1384 -1383 -849
0	7	22	0.00	0.00	-868 -1684 -1685 -947
0	7	22	0.00	0.00	-282 -1391 -1390 106
0	7	22	0.00	0.00	-419 -1389 -1388 -498
0	7	22	0.00	0.00	-498 -1388 -1387 -577
0	7	22	0.00	0.00	-980 -1422 -1423 -1051
0	6	22	0.00	0.00	-1523 -158 -227 -1524
0	7	22	0.00	0.00	-688 -1385 -1384 206
0	6	22	0.00	0.00	-1525 109 -433 -1526
0	6	22	0.00	0.00	-1526 -433 -512 -1527
0	7	22	0.00	0.00	-871 -1649 -1650 -950

Relazione di calcolo

0	7	22	0.00	0.00	-1007	-1380	-1381	-1057
0	7	22	0.00	0.00	-1057	-1381	-1378	-1117
0	7	22	0.00	0.00	-1117	-1378	-1379	306
0	6	22	0.00	0.00	-1531	-863	-942	-1532
0	4	22	0.00	0.00	-284	-286	-343	-340
0	6	22	0.00	0.00	-1533	-1021	-1069	-1534
0	6	22	0.00	0.00	-1534	-1069	309	-1535
0	7	22	0.00	0.00	113	-1638	-1641	-441
0	7	22	0.00	0.00	-441	-1641	-1657	-520
0	7	22	0.00	0.00	-550	-1416	-1417	-621
0	7	22	0.00	0.00	-269	-1412	-1413	103
0	7	22	0.00	0.00	-113	-1411	-1412	-269
0	3	22	0.00	0.00	-621	-1592	-1591	-656
0	7	22	0.00	0.00	-875	-1623	-1622	-954
0	7	22	0.00	0.00	2	-1360	-1361	-108
0	4	22	0.00	0.00	-1128	-1130	-1213	-1209
0	7	22	0.00	0.00	-235	-1637	-1638	113
0	7	22	0.00	0.00	-1051	-1423	-1424	-1086
0	7	22	0.00	0.00	-1636	-235	113	-1639
0	7	22	0.00	0.00	-1033	-1621	-1619	-1134
0	7	22	0.00	0.00	-471	-1415	-1416	-550
0	7	22	0.00	0.00	-1643	-871	-950	-1644
0	7	22	0.00	0.00	-438	-1675	-1676	-517
0	7	22	0.00	0.00	-1644	-950	-1029	-1645
0	7	22	0.00	0.00	-656	-1418	-1419	203
0	3	22	0.00	0.00	-1556	102	-389	-1559
0	3	22	0.00	0.00	-1559	-389	-468	-1560
0	3	22	0.00	0.00	-1602	-269	103	-1603
0	7	22	0.00	0.00	-689	-1449	-1448	207
0	3	22	0.00	0.00	-1560	-468	-547	-1563
0	3	22	0.00	0.00	-1563	-547	-618	-1564
0	6	22	0.00	0.00	-158	-1509	-1510	-227
0	7	22	0.00	0.00	-901	-1421	-1422	-980
0	3	22	0.00	0.00	-1608	-656	203	-1609
0	3	22	0.00	0.00	-1567	-653	202	-1568
0	3	22	0.00	0.00	-1610	-822	-901	-1611
0	7	22	0.00	0.00	-1680	-947	-1026	-1681
0	7	22	0.00	0.00	-1086	-1424	-1425	303
0	3	22	0.00	0.00	-1480	104	-395	-1481
0	4	22	0.00	0.00	-1129	-1131	-1214	-1210
0	7	22	0.00	0.00	-1666	212	-868	-1667
0	3	22	0.00	0.00	-1572	-898	-977	-1575
0	7	22	0.00	0.00	-1058	-1444	-1442	-1118
0	3	22	0.00	0.00	-1575	-977	-1048	-1577
0	3	22	0.00	0.00	-1577	-1048	-1083	-1578
0	7	22	0.00	0.00	-1665	-438	-517	-1672
0	3	22	0.00	0.00	-1083	-1579	-1614	302
0	6	22	0.00	0.00	-707	-1352	-1353	218
0	7	22	0.00	0.00	-628	-1450	-1449	-689
0	3	22	0.00	0.00	-1086	-1584	-1615	303
0	7	22	0.00	0.00	-499	-1452	-1451	-578
0	7	22	0.00	0.00	-420	-1453	-1452	-499
0	7	22	0.00	0.00	-647	-1659	-1648	213
0	7	22	0.00	0.00	-166	-1660	-1637	-235
0	6	22	0.00	0.00	-957	-1355	-1356	-1036
0	6	22	0.00	0.00	118	-1348	-1349	-448
0	6	22	0.00	0.00	-1524	-227	109	-1525
0	7	22	0.00	0.00	-954	-1622	-1621	-1033
0	6	22	0.00	0.00	-1537	9	-158	-1523
0	3	22	0.00	0.00	-1550	2	-108	-1551
0	7	22	0.00	0.00	-1400	-577	-627	-1401
0	7	22	0.00	0.00	-1639	113	-441	-1640
0	6	22	0.00	0.00	-1136	-1357	-1358	318
0	6	22	0.00	0.00	209	-1516	-1517	-863
0	3	22	0.00	0.00	-1600	3	-113	-1601
0	3	22	0.00	0.00	-1601	-113	-269	-1602
0	3	22	0.00	0.00	-1487	-904	-983	-1488
0	7	22	0.00	0.00	-1401	-627	-688	-1402
0	7	22	0.00	0.00	202	-1369	-1370	-819
0	7	22	0.00	0.00	-1397	106	-419	-1398
0	7	22	0.00	0.00	-947	-1685	-1686	-1026
0	7	22	0.00	0.00	-264	-1362	-1363	102
0	7	22	0.00	0.00	-1655	-599	-647	-1656
0	6	22	0.00	0.00	-433	-1512	-1513	-512
0	6	22	0.00	0.00	-227	-1510	-1511	109
0	4	22	0.00	0.00	-699	-701	-773	-770
0	6	22	0.00	0.00	-639	-1515	-1516	209
0	3	22	0.00	0.00	-1613	-1051	-1086	-1582
0	6	22	0.00	0.00	-1527	-512	-591	-1528

Relazione di calcolo

0	6	22	0.00	0.00	-1528 -591 -639 -1529
0	6	22	0.00	0.00	-1529 -639 209 -1530
0	7	22	0.00	0.00	-1077 -1652 -1653 313
0	7	22	0.00	0.00	-468 -1365 -1366 -547
0	7	22	0.00	0.00	-603 -1626 -1625 -705
0	7	22	0.00	0.00	-1689 12 -163 -1691
0	6	22	0.00	0.00	-1532 -942 -1021 -1533
0	3	22	0.00	0.00	-1483 -553 -660 -1484
0	7	22	0.00	0.00	-1430 -420 -499 -1431
0	7	22	0.00	0.00	-1399 -498 -577 -1400
0	4	22	0.00	0.00	-700 -702 -774 -771
0	3	22	0.00	0.00	-1051 -1586 -1584 -1086
0	7	22	0.00	0.00	-1432 -578 -628 -1433
0	4	22	0.00	0.00	-1085 -1158 -1157
0	7	22	0.00	0.00	-1431 -499 -578 -1432
0	3	22	0.00	0.00	-1564 -618 -653 -1567
0	7	22	0.00	0.00	-1667 -868 -947 -1680
0	6	22	0.00	0.00	-1530 209 -863 -1531
0	7	22	0.00	0.00	13 -1632 -1660 -166
0	7	22	0.00	0.00	-1439 -1058 -1118 -1440
0	7	22	0.00	0.00	-1642 213 -871 -1643
0	3	22	0.00	0.00	-1486 -825 -904 -1487
0	7	22	0.00	0.00	-1654 -520 -599 -1655
0	7	22	0.00	0.00	-1669 -232 112 -1664
0	7	22	0.00	0.00	-1646 -1077 313 -1647
0	4	22	0.00	0.00	-724 -655 -725
0	7	22	0.00	0.00	-599 -1658 -1659 -647
0	6	22	0.00	0.00	218 -1353 -1354 -878
0	7	22	0.00	0.00	-1661 -166 -235 -1636
0	3	22	0.00	0.00	-1604 -392 -471 -1605
0	7	22	0.00	0.00	-1640 -441 -520 -1654
0	7	22	0.00	0.00	-1440 -1118 307 -1441
0	7	22	0.00	0.00	-1026 -1686 -1687 -1074
0	4	22	0.00	0.00	-1084 -1154 -1153
0	3	22	0.00	0.00	-1607 -621 -656 -1608
0	7	22	0.00	0.00	-705 -1625 -1624 214
0	7	22	0.00	0.00	-1673 -596 -644 -1674
0	2	22	0.00	0.00	-1659 -648 -786 -1648
0	7	22	0.00	0.00	-163 -1690 -1670 -232
0	7	22	0.00	0.00	-1664 112 -438 -1665
0	7	22	0.00	0.00	-520 -1657 -1658 -599
0	4	22	0.00	0.00	-1063 -1064 316 -1243
0	7	22	0.00	0.00	-170 -1618 -1630 -239
0	7	22	0.00	0.00	12 -1662 -1690 -163
0	7	22	0.00	0.00	-1674 -644 212 -1666
0	7	22	0.00	0.00	213 -1648 -1649 -871
0	7	22	0.00	0.00	-1672 -517 -596 -1673
0	3	22	0.00	0.00	-1568 202 -819 -1571
0	3	22	0.00	0.00	-1605 -471 -550 -1606
0	6	22	0.00	0.00	-1069 -1520 -1521 309
0	3	22	0.00	0.00	-1571 -819 -898 -1572
0	6	22	0.00	0.00	-1021 -1519 -1520 -1069
0	3	22	0.00	0.00	-1489 -1089 304 -1490
0	7	22	0.00	0.00	-1429 107 -420 -1430
101	2	22	0.00	0.00	-192 -198 -300 101
101	2	22	0.00	0.00	-103 -119 -198 -192
101	2	22	0.00	0.00	-119 -123 -200 -198
101	2	22	0.00	0.00	-19 -23 -123 -119
101	2	22	0.00	0.00	-33 -35 -135 -133
101	2	22	0.00	0.00	-137 -139 -214 -212
101	2	22	0.00	0.00	-139 -143 -216 -214
101	2	22	0.00	0.00	-133 -135 -210 -208
101	2	22	0.00	0.00	-41 5 -143 -139
101	2	22	0.00	0.00	-202 -204 -312 -308
101	2	22	0.00	0.00	-135 -137 -212 -210
101	2	22	0.00	0.00	-35 -37 -137 -135
101	2	22	0.00	0.00	-200 -202 -308 -304
101	2	22	0.00	0.00	-27 -29 -129 -127
101	2	22	0.00	0.00	-131 -133 -208 -206
101	2	22	0.00	0.00	-212 -214 -324 -320
101	2	22	0.00	0.00	-204 -206 -314 -312
101	2	22	0.00	0.00	-23 -27 -127 -123
101	2	22	0.00	0.00	-210 -212 -320 -318
101	2	22	0.00	0.00	-206 -208 -316 -314
101	2	22	0.00	0.00	-198 -200 -304 -300
101	2	22	0.00	0.00	-127 -129 -204 -202
101	2	22	0.00	0.00	-208 -210 -318 -316
101	2	22	0.00	0.00	-214 -216 105 -324
101	2	22	0.00	0.00	-123 -127 -202 -200

Relazione di calcolo

101	2	22	0.00	0.00	1 -19 -119 -103
101	2	22	0.00	0.00	-29 -31 -131 -129
101	2	22	0.00	0.00	-37 -41 -139 -137
101	2	22	0.00	0.00	-129 -131 -206 -204
101	2	22	0.00	0.00	-31 -33 -133 -131
102	2	22	0.00	0.00	20 -102 -190 -191
102	2	22	0.00	0.00	-95 19 -182 -183
102	2	22	0.00	0.00	-98 -97 -185 -186
102	2	22	0.00	0.00	-183 -182 -252 -253
102	2	22	0.00	0.00	-253 -252 119 -378
102	2	22	0.00	0.00	-97 -96 -184 -185
102	2	22	0.00	0.00	-256 -255 -380 -381
102	2	22	0.00	0.00	-259 -258 -383 -384
102	2	22	0.00	0.00	-96 -95 -183 -184
102	2	22	0.00	0.00	-261 -260 -385 120
102	2	22	0.00	0.00	-184 -183 -253 -254
102	2	22	0.00	0.00	-186 -185 -255 -256
102	2	22	0.00	0.00	-190 -189 -259 -260
102	2	22	0.00	0.00	-254 -253 -378 -379
102	7	22	0.00	0.00	-99 -98 -186 -187
102	2	22	0.00	0.00	-100 -99 -187 -188
102	2	22	0.00	0.00	-187 -186 -256 -257
102	2	22	0.00	0.00	-260 -259 -384 -385
102	2	22	0.00	0.00	-185 -184 -254 -255
102	2	22	0.00	0.00	-189 -188 -258 -259
102	2	22	0.00	0.00	-188 -187 -257 -258
102	2	22	0.00	0.00	-102 -101 -189 -190
102	2	22	0.00	0.00	-191 -190 -260 -261
102	2	22	0.00	0.00	-255 -254 -379 -380
102	2	22	0.00	0.00	-258 -257 -382 -383
102	2	22	0.00	0.00	-101 -100 -188 -189
102	2	22	0.00	0.00	-257 -256 -381 -382
104	2	22	0.00	0.00	-130 -132 -207 -205
104	2	22	0.00	0.00	-134 -136 -211 -209
104	2	22	0.00	0.00	-132 -134 -209 -207
104	2	22	0.00	0.00	-32 -34 -134 -132
104	2	22	0.00	0.00	-24 -28 -128 -124
104	2	22	0.00	0.00	-211 -213 -323 -319
104	2	22	0.00	0.00	-142 -154 -225 -215
104	2	22	0.00	0.00	-203 -205 -313 -309
104	2	22	0.00	0.00	-138 -142 -215 -213
104	2	22	0.00	0.00	-128 -130 -205 -203
104	2	22	0.00	0.00	-120 -124 -201 -199
104	2	22	0.00	0.00	-40 -44 -142 -138
104	2	22	0.00	0.00	-118 -120 -199 -197
104	2	22	0.00	0.00	-36 -40 -138 -136
104	2	22	0.00	0.00	-28 -30 -130 -128
104	2	22	0.00	0.00	-30 -32 -132 -130
104	2	22	0.00	0.00	-201 -203 -309 -305
104	2	22	0.00	0.00	-209 -211 -319 -317
104	2	22	0.00	0.00	-197 -199 -301 104
104	2	22	0.00	0.00	-207 -209 -317 -315
104	2	22	0.00	0.00	-205 -207 -315 -313
104	2	22	0.00	0.00	-34 -36 -136 -134
104	2	22	0.00	0.00	-20 -24 -124 -120
104	2	22	0.00	0.00	-199 -201 -305 -301
104	2	22	0.00	0.00	-215 -225 108 -327
104	2	22	0.00	0.00	-136 -138 -213 -211
104	2	22	0.00	0.00	-44 8 -154 -142
104	2	22	0.00	0.00	-213 -215 -327 -323
104	2	22	0.00	0.00	-124 -128 -203 -201
104	2	22	0.00	0.00	4 -20 -120 -118
106	2	22	0.00	0.00	-153 -154 -225 -224
106	2	22	0.00	0.00	-218 -219 -334 -333
106	2	22	0.00	0.00	-148 -149 -220 -219
106	2	22	0.00	0.00	-147 -148 -219 -218
106	2	22	0.00	0.00	-49 -50 -149 -148
106	2	22	0.00	0.00	-149 -150 -221 -220
106	2	22	0.00	0.00	-222 -223 -338 -337
106	2	22	0.00	0.00	-54 8 -154 -153
106	2	22	0.00	0.00	-224 -225 108 -339
106	2	22	0.00	0.00	-219 -220 -335 -334
106	2	22	0.00	0.00	-150 -151 -222 -221
106	2	22	0.00	0.00	-217 -218 -333 -332
106	2	22	0.00	0.00	-47 -48 -147 -146
106	2	22	0.00	0.00	-53 -54 -153 -152
106	2	22	0.00	0.00	-152 -153 -224 -223
106	2	22	0.00	0.00	-50 -51 -150 -149
106	2	22	0.00	0.00	-51 -52 -151 -150

Relazione di calcolo

106	2	22	0.00	0.00	-223 -224 -339 -338
106	2	22	0.00	0.00	-220 -221 -336 -335
106	2	22	0.00	0.00	-52 -53 -152 -151
106	2	22	0.00	0.00	-146 -147 -218 -217
106	2	22	0.00	0.00	-151 -152 -223 -222
106	2	22	0.00	0.00	-48 -49 -148 -147
106	2	22	0.00	0.00	-221 -222 -337 -336
107	2	22	0.00	0.00	-238 -237 -358 -359
107	2	22	0.00	0.00	-1630 -238 -359 -1629
107	2	22	0.00	0.00	-169 -168 -237 -238
107	2	22	0.00	0.00	-1631 -77 -169 -1618
107	2	22	0.00	0.00	-77 -1343 -168 -169
107	2	22	0.00	0.00	-1618 -169 -238 -1630
108	2	22	0.00	0.00	-125 -1337 -276 -274
108	2	22	0.00	0.00	-25 -1335 -1337 -125
108	2	22	0.00	0.00	-274 -276 -310 -306
108	2	22	0.00	0.00	-1362 -272 -302 -1363
108	2	22	0.00	0.00	-1360 -21 -121 -1361
108	2	22	0.00	0.00	-272 -274 -306 -302
108	2	22	0.00	0.00	-121 -125 -274 -272
108	2	22	0.00	0.00	-1361 -121 -272 -1362
108	2	22	0.00	0.00	-21 -25 -125 -121
111	5	22	0.00	0.00	-1346 -179 -249 -1347
111	5	22	0.00	0.00	-1347 -249 -1344 -1348
111	5	22	0.00	0.00	-1507 -90 -179 -1346
111	5	22	0.00	0.00	-249 -248 -373 -1344
111	5	22	0.00	0.00	-179 -178 -248 -249
111	5	22	0.00	0.00	-90 -89 -178 -179
112	3	22	0.00	0.00	-104 -105 -194 -193
112	3	22	0.00	0.00	-1506 -1 -104 -1493
112	3	22	0.00	0.00	-1494 -193 -288 -1495
112	3	22	0.00	0.00	-193 -194 -289 -288
112	3	22	0.00	0.00	-1493 -104 -193 -1494
112	3	22	0.00	0.00	-1 -2 -105 -104
113	3	22	0.00	0.00	-116 -117 -196 -195
113	3	22	0.00	0.00	-196 -1479 -1480 -299
113	3	22	0.00	0.00	-195 -196 -299 -298
113	3	22	0.00	0.00	-17 -18 -117 -116
113	3	22	0.00	0.00	-18 -1477 -1491 -117
113	3	22	0.00	0.00	-117 -1491 -1479 -196
114	2	22	0.00	0.00	-244 -245 -368 116
114	2	22	0.00	0.00	-174 -175 -245 -244
114	2	22	0.00	0.00	16 -84 -175 -174
116	2	22	0.00	0.00	-22 -26 -126 -122
116	4	22	0.00	0.00	-275 -277 -311 -307
116	2	22	0.00	0.00	-273 -275 -307 -303
116	2	22	0.00	0.00	-1411 -122 -273 -1412
116	2	22	0.00	0.00	-126 -1340 -277 -275
116	2	22	0.00	0.00	-1410 -22 -122 -1411
116	2	22	0.00	0.00	-122 -126 -275 -273
116	2	22	0.00	0.00	-1412 -273 -303 -1413
116	2	22	0.00	0.00	-26 -1338 -1340 -126
118	2	22	0.00	0.00	-159 -160 -229 -228
118	2	22	0.00	0.00	-160 -161 -230 -229
118	2	22	0.00	0.00	-65 -66 -161 -160
118	2	22	0.00	0.00	-228 -229 -350 110
118	2	22	0.00	0.00	-229 -230 -351 -350
118	2	22	0.00	0.00	10 -65 -160 -159
122	2	22	0.00	0.00	-85 17 -177 -176
122	2	22	0.00	0.00	-246 -247 117 -371
122	2	22	0.00	0.00	-176 -177 -247 -246
123	2	22	0.00	0.00	-1539 -173 -242 -1540
123	2	22	0.00	0.00	-241 -1540 -1541 115
123	2	22	0.00	0.00	15 -1538 -1539 -172
123	2	22	0.00	0.00	-1538 -82 -173 -1539
123	2	22	0.00	0.00	-172 -1539 -1540 -241
123	2	22	0.00	0.00	-1540 -242 -364 -1541
191	3	22	0.00	0.00	-107 -1551 -1555 -263
191	3	22	0.00	0.00	-106 -107 -263 -262
191	3	22	0.00	0.00	-263 -1555 -1556 -291
191	3	22	0.00	0.00	-262 -263 -291 -290
191	3	22	0.00	0.00	-5 -6 -107 -106
191	3	22	0.00	0.00	-6 -1550 -1551 -107
192	3	22	0.00	0.00	-109 -110 -266 -265
192	3	22	0.00	0.00	-7 -8 -110 -109
192	3	22	0.00	0.00	-1553 -109 -265 -1554
192	3	22	0.00	0.00	-1552 -7 -109 -1553
192	3	22	0.00	0.00	-265 -266 -293 -292
192	3	22	0.00	0.00	-1554 -265 -292 -1557

Relazione di calcolo

201	2	22	0.00	0.00		-687	-683	-754	205
201	2	22	0.00	0.00		-661	-650	201	-730
201	2	22	0.00	0.00		-677	-675	-746	-748
201	2	22	0.00	0.00		-683	-679	-750	-754
201	2	22	0.00	0.00		-412	-410	-489	-491
201	2	22	0.00	0.00		-665	-661	-730	-734
201	2	22	0.00	0.00		-410	-408	-487	-489
201	2	22	0.00	0.00		-679	-677	-748	-750
201	2	22	0.00	0.00		-479	-481	-1470	-558
201	2	22	0.00	0.00		-669	-665	-734	-738
201	2	22	0.00	0.00		-304	-300	-396	-400
201	2	22	0.00	0.00		-414	-412	-491	-493
201	2	22	0.00	0.00		-408	-406	-485	-487
201	2	22	0.00	0.00		105	-324	-414	-418
201	2	22	0.00	0.00		-493	-491	-570	-572
201	2	22	0.00	0.00		-566	-564	-673	-675
201	2	22	0.00	0.00		-568	-566	-675	-677
201	2	22	0.00	0.00		-554	-544	-650	-661
201	2	22	0.00	0.00		-320	-318	-410	-412
201	2	22	0.00	0.00		-485	-483	-562	-564
201	2	22	0.00	0.00		-1470	-562	-671	-669
201	2	22	0.00	0.00		-418	-414	-493	-497
201	2	22	0.00	0.00		-673	-671	-742	-744
201	2	22	0.00	0.00		-396	-386	-465	-475
201	2	22	0.00	0.00		-558	-554	-661	-665
201	2	22	0.00	0.00		-572	-570	-679	-683
201	2	22	0.00	0.00		-406	-404	-483	-485
201	2	22	0.00	0.00		-576	-572	-683	-687
201	2	22	0.00	0.00		-312	-308	-402	-404
201	2	22	0.00	0.00		-314	-312	-404	-406
201	2	22	0.00	0.00		-300	101	-386	-396
201	2	22	0.00	0.00		-671	-669	-738	-742
201	2	22	0.00	0.00		-489	-487	-566	-568
201	2	22	0.00	0.00		-324	-320	-412	-414
201	2	22	0.00	0.00		-564	-562	-671	-673
201	2	22	0.00	0.00		-570	-568	-677	-679
201	2	22	0.00	0.00		-316	-314	-406	-408
201	2	22	0.00	0.00		-491	-489	-568	-570
201	2	22	0.00	0.00		-487	-485	-564	-566
201	2	22	0.00	0.00		-308	-304	-400	-402
201	2	22	0.00	0.00		-479	-475	-554	-558
201	2	22	0.00	0.00		-497	-493	-572	-576
201	2	22	0.00	0.00		-318	-316	-408	-410
201	2	22	0.00	0.00		-400	-396	-475	-479
201	2	22	0.00	0.00		-675	-673	-744	-746
201	2	22	0.00	0.00		-558	-1470	-669	-665
201	2	22	0.00	0.00		-481	-483	-562	-1470
201	2	22	0.00	0.00		-475	-465	-544	-554
201	2	22	0.00	0.00		-404	-402	-481	-483
201	2	22	0.00	0.00		-402	-400	-479	-481
202	2	22	0.00	0.00		-612	-611	-712	-713
202	2	22	0.00	0.00		-384	-383	-455	-456
202	2	22	0.00	0.00		-385	-384	-456	-457
202	2	22	0.00	0.00		-382	-381	-453	-454
202	2	22	0.00	0.00		-709	-708	219	-808
202	2	22	0.00	0.00		-455	-454	-533	-534
202	2	22	0.00	0.00		-529	-528	-607	-608
202	2	22	0.00	0.00		-450	-449	-528	-529
202	2	22	0.00	0.00		-454	-453	-532	-533
202	2	22	0.00	0.00		-613	-612	-713	-714
202	2	22	0.00	0.00		-711	-710	-809	-810
202	2	22	0.00	0.00		-534	-533	-612	-613
202	2	22	0.00	0.00		-714	-713	-812	-813
202	2	22	0.00	0.00		-713	-712	-811	-812
202	2	22	0.00	0.00		-712	-711	-810	-811
202	2	22	0.00	0.00		-383	-382	-454	-455
202	2	22	0.00	0.00		-715	-714	-813	-814
202	2	22	0.00	0.00		-610	-609	-710	-711
202	2	22	0.00	0.00		-710	-709	-808	-809
202	2	22	0.00	0.00		-536	-535	-614	-615
202	2	22	0.00	0.00		-614	-613	-714	-715
202	2	22	0.00	0.00		-456	-455	-534	-535
202	2	22	0.00	0.00		-608	-607	-708	-709
202	2	22	0.00	0.00		-611	-610	-711	-712
202	2	22	0.00	0.00		-451	-450	-529	-530
202	2	22	0.00	0.00		-537	-536	-615	-616
202	2	22	0.00	0.00		-717	-716	-815	220
202	2	22	0.00	0.00		-453	-452	-531	-532
202	2	22	0.00	0.00		-535	-534	-613	-614

Relazione di calcolo

202	2	22	0.00	0.00		-532	-531	-610	-611
202	2	22	0.00	0.00		-457	-456	-535	-536
202	2	22	0.00	0.00		-609	-608	-709	-710
202	2	22	0.00	0.00		-533	-532	-611	-612
202	2	22	0.00	0.00		-531	-530	-609	-610
202	2	22	0.00	0.00		-379	-378	-450	-451
202	2	22	0.00	0.00		-615	-614	-715	-716
202	2	22	0.00	0.00		-616	-615	-716	-717
202	2	22	0.00	0.00		-530	-529	-608	-609
202	2	22	0.00	0.00		-380	-379	-451	-452
202	2	22	0.00	0.00		120	-385	-457	-458
202	2	22	0.00	0.00		-716	-715	-814	-815
202	2	22	0.00	0.00		-378	119	-449	-450
202	2	22	0.00	0.00		-452	-451	-530	-531
202	2	22	0.00	0.00		-458	-457	-536	-537
202	2	22	0.00	0.00		-381	-380	-452	-453
204	2	22	0.00	0.00		-486	-488	-567	-565
204	2	22	0.00	0.00		-319	-323	-413	-411
204	2	22	0.00	0.00		-575	-587	-698	-686
204	2	22	0.00	0.00		-496	-508	-587	-575
204	2	22	0.00	0.00		-317	-319	-411	-409
204	2	22	0.00	0.00		-567	-569	-678	-676
204	2	22	0.00	0.00		-676	-678	-749	-747
204	2	22	0.00	0.00		-561	-563	-672	-670
204	2	22	0.00	0.00		-488	-490	-569	-567
204	2	22	0.00	0.00		-660	-662	-731	204
204	2	22	0.00	0.00		-569	-571	-682	-678
204	2	22	0.00	0.00		-571	-575	-686	-682
204	2	22	0.00	0.00		-563	-565	-674	-672
204	2	22	0.00	0.00		-565	-567	-676	-674
204	2	22	0.00	0.00		-482	-484	-563	-561
204	2	22	0.00	0.00		-559	-561	-670	-666
204	2	22	0.00	0.00		-315	-317	-409	-407
204	2	22	0.00	0.00		-672	-674	-745	-743
204	2	22	0.00	0.00		-411	-413	-492	-490
204	2	22	0.00	0.00		-405	-407	-486	-484
204	2	22	0.00	0.00		-301	-305	-401	-397
204	2	22	0.00	0.00		-409	-411	-490	-488
204	2	22	0.00	0.00		-686	-698	208	-757
204	2	22	0.00	0.00		-401	-403	-482	-480
204	2	22	0.00	0.00		-674	-676	-747	-745
204	2	22	0.00	0.00		104	-301	-397	-395
204	2	22	0.00	0.00		-403	-405	-484	-482
204	2	22	0.00	0.00		-407	-409	-488	-486
204	2	22	0.00	0.00		-474	-476	-555	-553
204	2	22	0.00	0.00		-484	-486	-565	-563
204	2	22	0.00	0.00		-662	-666	-735	-731
204	2	22	0.00	0.00		-670	-672	-743	-739
204	2	22	0.00	0.00		-397	-401	-480	-476
204	2	22	0.00	0.00		-555	-559	-666	-662
204	2	22	0.00	0.00		-480	-482	-561	-559
204	2	22	0.00	0.00		-682	-686	-757	-753
204	2	22	0.00	0.00		-417	-429	-508	-496
204	2	22	0.00	0.00		-305	-309	-403	-401
204	2	22	0.00	0.00		-490	-492	-571	-569
204	2	22	0.00	0.00		-327	108	-429	-417
204	2	22	0.00	0.00		-553	-555	-662	-660
204	2	22	0.00	0.00		-492	-496	-575	-571
204	2	22	0.00	0.00		-476	-480	-559	-555
204	2	22	0.00	0.00		-413	-417	-496	-492
204	2	22	0.00	0.00		-313	-315	-407	-405
204	2	22	0.00	0.00		-666	-670	-739	-735
204	2	22	0.00	0.00		-395	-397	-476	-474
204	2	22	0.00	0.00		-323	-327	-417	-413
204	2	22	0.00	0.00		-309	-313	-405	-403
204	2	22	0.00	0.00		-678	-682	-753	-749
206	2	22	0.00	0.00		-506	-507	-586	-585
206	2	22	0.00	0.00		-505	-506	-585	-584
206	2	22	0.00	0.00		-334	-335	-424	-423
206	2	22	0.00	0.00		-585	-586	-697	-696
206	2	22	0.00	0.00		-424	-425	-504	-503
206	2	22	0.00	0.00		-335	-336	-425	-424
206	2	22	0.00	0.00		-333	-334	-423	-422
206	2	22	0.00	0.00		-425	-426	-505	-504
206	2	22	0.00	0.00		-503	-504	-583	-582
206	2	22	0.00	0.00		-504	-505	-584	-583
206	2	22	0.00	0.00		-586	-587	-698	-697
206	2	22	0.00	0.00		-502	-503	-582	-581
206	2	22	0.00	0.00		-579	-580	-691	-690

Relazione di calcolo

206	2	22	0.00	0.00		-692	-693	-765	-764
206	2	22	0.00	0.00		-337	-338	-427	-426
206	2	22	0.00	0.00		-423	-424	-503	-502
206	2	22	0.00	0.00		-691	-692	-764	-763
206	2	22	0.00	0.00		-697	-698	208	-769
206	2	22	0.00	0.00		-695	-696	-768	-767
206	2	22	0.00	0.00		-696	-697	-769	-768
206	2	22	0.00	0.00		-581	-582	-693	-692
206	2	22	0.00	0.00		-427	-428	-507	-506
206	2	22	0.00	0.00		-580	-581	-692	-691
206	2	22	0.00	0.00		-583	-584	-695	-694
206	2	22	0.00	0.00		-507	-508	-587	-586
206	2	22	0.00	0.00		-339	108	-429	-428
206	2	22	0.00	0.00		-584	-585	-696	-695
206	2	22	0.00	0.00		-694	-695	-767	-766
206	2	22	0.00	0.00		-500	-501	-580	-579
206	2	22	0.00	0.00		-501	-502	-581	-580
206	2	22	0.00	0.00		-693	-694	-766	-765
206	2	22	0.00	0.00		-338	-339	-428	-427
206	2	22	0.00	0.00		-421	-422	-501	-500
206	2	22	0.00	0.00		-336	-337	-426	-425
206	2	22	0.00	0.00		-332	-333	-422	-421
206	2	22	0.00	0.00		-428	-429	-508	-507
206	2	22	0.00	0.00		-422	-423	-502	-501
206	2	22	0.00	0.00		-582	-583	-694	-693
206	2	22	0.00	0.00		-426	-427	-506	-505
206	2	22	0.00	0.00		-690	-691	-763	-762
207	2	22	0.00	0.00		-359	-358	-443	-444
207	2	22	0.00	0.00		-523	-522	-601	-602
207	2	22	0.00	0.00		-1628	-444	-523	-1627
207	2	22	0.00	0.00		-1626	-602	-704	-1625
207	2	22	0.00	0.00		-1625	-704	-789	-1624
207	2	22	0.00	0.00		-1629	-359	-444	-1628
207	2	22	0.00	0.00		-602	-601	-703	-704
207	2	22	0.00	0.00		-704	-703	-788	-789
207	2	22	0.00	0.00		-1627	-523	-602	-1626
207	2	22	0.00	0.00		-444	-443	-522	-523
208	2	22	0.00	0.00		-1363	-302	-1359	-1364
208	2	22	0.00	0.00		-1367	-623	-663	-1368
208	2	22	0.00	0.00		-1364	-1359	-477	-1365
208	2	22	0.00	0.00		-1366	-556	-623	-1367
208	2	22	0.00	0.00		-1368	-663	-732	-1369
208	2	22	0.00	0.00		-1365	-477	-556	-1366
211	5	22	0.00	0.00		-1348	-1344	-447	-1349
211	5	22	0.00	0.00		-1352	-706	-804	-1353
211	5	22	0.00	0.00		-1350	-526	-605	-1351
211	5	22	0.00	0.00		-1349	-447	-526	-1350
211	5	22	0.00	0.00		-1351	-605	-706	-1352
212	3	22	0.00	0.00		-1496	-387	-466	-1497
212	3	22	0.00	0.00		-1498	-545	-651	-1499
212	3	22	0.00	0.00		-1497	-466	-545	-1498
212	3	22	0.00	0.00		-1495	-288	-387	-1496
212	3	22	0.00	0.00		-1499	-651	-718	-1500
213	3	22	0.00	0.00		-394	-1481	-1482	-473
213	3	22	0.00	0.00		-552	-1483	-1484	-659
213	3	22	0.00	0.00		-473	-1482	-1483	-552
213	3	22	0.00	0.00		-659	-1484	-1485	-729
213	3	22	0.00	0.00		-299	-1480	-1481	-394
214	2	22	0.00	0.00		116	-368	-462	-461
214	2	22	0.00	0.00		-540	-541	-635	-634
214	2	22	0.00	0.00		-461	-462	-541	-540
214	2	22	0.00	0.00		-634	-635	-798	216
216	2	22	0.00	0.00		-1416	-557	-624	-1417
216	2	22	0.00	0.00		-1418	-664	-733	-1419
216	2	22	0.00	0.00		-1414	-399	-478	-1415
216	2	22	0.00	0.00		-1413	-303	-399	-1414
216	2	22	0.00	0.00		-1415	-478	-557	-1416
216	2	22	0.00	0.00		-1417	-624	-664	-1418
218	2	22	0.00	0.00		-435	-436	-515	-514
218	2	22	0.00	0.00		-434	-435	-514	-513
218	2	22	0.00	0.00		-592	-593	-641	-640
218	2	22	0.00	0.00		110	-350	-435	-434
218	2	22	0.00	0.00		-513	-514	-593	-592
218	2	22	0.00	0.00		-640	-641	-780	210
218	2	22	0.00	0.00		-350	-351	-436	-435
218	2	22	0.00	0.00		-641	-642	-781	-780
218	2	22	0.00	0.00		-514	-515	-594	-593
218	2	22	0.00	0.00		-593	-594	-642	-641
220	4	22	0.00	0.00		-651	-719	-718	

Relazione di calcolo

222	2	22	0.00	0.00	-636 -637 217 -801
222	2	22	0.00	0.00	-463 -464 -543 -542
222	2	22	0.00	0.00	-371 117 -464 -463
222	2	22	0.00	0.00	-542 -543 -637 -636
223	2	22	0.00	0.00	-1543 -539 -632 -1544
223	2	22	0.00	0.00	-1544 -632 -794 -1545
223	2	22	0.00	0.00	-459 -1542 -1543 -538
223	2	22	0.00	0.00	115 -1541 -1542 -459
223	2	22	0.00	0.00	-1541 -364 -460 -1542
223	2	22	0.00	0.00	-631 -1544 -1545 215
223	2	22	0.00	0.00	-538 -1543 -1544 -631
223	2	22	0.00	0.00	-1542 -460 -539 -1543
291	3	22	0.00	0.00	-291 -1556 -1559 -388
291	3	22	0.00	0.00	-652 -1567 -1568 -721
291	3	22	0.00	0.00	-388 -1559 -1560 -467
291	3	22	0.00	0.00	-546 -1563 -1564 -617
291	3	22	0.00	0.00	-617 -1564 -1567 -652
291	3	22	0.00	0.00	-467 -1560 -1563 -546
292	3	22	0.00	0.00	-1565 -619 -654 -1566
292	3	22	0.00	0.00	-1557 -292 -390 -1558
292	3	22	0.00	0.00	-1558 -390 -469 -1561
292	3	22	0.00	0.00	-1566 -654 -722 -1569
292	3	22	0.00	0.00	-1562 -548 -619 -1565
292	3	22	0.00	0.00	-1561 -469 -548 -1562
301	2	22	0.00	0.00	-1106 -1104 -1181 -1183
301	2	22	0.00	0.00	-1006 -1002 -1112 -1116
301	2	22	0.00	0.00	-848 -844 -923 -927
301	2	22	0.00	0.00	-842 -840 -919 -921
301	2	22	0.00	0.00	-984 -974 -1080 -1090
301	2	22	0.00	0.00	-754 -750 -842 -844
301	2	22	0.00	0.00	-996 -994 -1102 -1104
301	2	22	0.00	0.00	-1102 -1100 -1177 -1179
301	2	22	0.00	0.00	-746 -744 -836 -838
301	2	22	0.00	0.00	-1002 -1000 -1108 -1112
301	2	22	0.00	0.00	205 -754 -844 -848
301	2	22	0.00	0.00	-748 -746 -838 -840
301	2	22	0.00	0.00	-1112 -1108 -1185 -1189
301	2	22	0.00	0.00	-988 -984 -1090 -1094
301	2	22	0.00	0.00	-1094 -1090 -1165 -1169
301	2	22	0.00	0.00	-913 -911 -990 -992
301	2	22	0.00	0.00	-844 -842 -921 -923
301	2	22	0.00	0.00	-1090 -1080 301 -1165
301	2	22	0.00	0.00	-826 -816 -895 -905
301	2	22	0.00	0.00	-992 -990 -1098 -1100
301	2	22	0.00	0.00	-750 -748 -840 -842
301	2	22	0.00	0.00	-1116 -1112 -1189 305
301	2	22	0.00	0.00	-909 -905 -984 -988
301	2	22	0.00	0.00	-923 -921 -1000 -1002
301	2	22	0.00	0.00	-832 -830 -909 -911
301	2	22	0.00	0.00	-1104 -1102 -1179 -1181
301	2	22	0.00	0.00	-1108 -1106 -1183 -1185
301	2	22	0.00	0.00	-911 -909 -988 -990
301	2	22	0.00	0.00	-1098 -1094 -1169 -1173
301	2	22	0.00	0.00	-917 -915 -994 -996
301	2	22	0.00	0.00	-738 -734 -830 -832
301	2	22	0.00	0.00	-919 -917 -996 -998
301	2	22	0.00	0.00	-744 -742 -834 -836
301	2	22	0.00	0.00	-921 -919 -998 -1000
301	2	22	0.00	0.00	-836 -834 -913 -915
301	2	22	0.00	0.00	-998 -996 -1104 -1106
301	2	22	0.00	0.00	-990 -988 -1094 -1098
301	2	22	0.00	0.00	-830 -826 -905 -909
301	2	22	0.00	0.00	-840 -838 -917 -919
301	2	22	0.00	0.00	-994 -992 -1100 -1102
301	2	22	0.00	0.00	-838 -836 -915 -917
301	2	22	0.00	0.00	-915 -913 -992 -994
301	2	22	0.00	0.00	-730 201 -816 -826
301	2	22	0.00	0.00	-927 -923 -1002 -1006
301	2	22	0.00	0.00	-742 -738 -832 -834
301	2	22	0.00	0.00	-1100 -1098 -1173 -1177
301	2	22	0.00	0.00	-834 -832 -911 -913
301	2	22	0.00	0.00	-905 -895 -974 -984
301	2	22	0.00	0.00	-734 -730 -826 -830
301	2	22	0.00	0.00	-1000 -998 -1106 -1108
302	2	22	0.00	0.00	-1044 -1043 -1143 -1144
302	2	22	0.00	0.00	-811 -810 -882 -883
302	2	22	0.00	0.00	-810 -809 -881 -882
302	2	22	0.00	0.00	-808 219 -879 -880
302	2	22	0.00	0.00	-815 -814 -886 -887

Relazione di calcolo

302	2	22	0.00	0.00		-1045	-1044	-1144	-1145
302	2	22	0.00	0.00		-1043	-1042	-1142	-1143
302	2	22	0.00	0.00		-1042	-1041	-1141	-1142
302	2	22	0.00	0.00		-1145	-1144	-1264	-1265
302	2	22	0.00	0.00		-814	-813	-885	-886
302	2	22	0.00	0.00		-959	-958	-1037	-1038
302	2	22	0.00	0.00		-1141	-1140	-1260	-1261
302	2	22	0.00	0.00		-1143	-1142	-1262	-1263
302	2	22	0.00	0.00		-809	-808	-880	-881
302	2	22	0.00	0.00		-886	-885	-964	-965
302	2	22	0.00	0.00		-881	-880	-959	-960
302	2	22	0.00	0.00		-1046	-1045	-1145	-1146
302	2	22	0.00	0.00		220	-815	-887	-888
302	2	22	0.00	0.00		-882	-881	-960	-961
302	2	22	0.00	0.00		-812	-811	-883	-884
302	2	22	0.00	0.00		-963	-962	-1041	-1042
302	2	22	0.00	0.00		-1139	-1138	-1258	-1259
302	2	22	0.00	0.00		-1144	-1143	-1263	-1264
302	2	22	0.00	0.00		-888	-887	-966	-967
302	2	22	0.00	0.00		-884	-883	-962	-963
302	2	22	0.00	0.00		-1146	-1145	-1265	320
302	2	22	0.00	0.00		-883	-882	-961	-962
302	2	22	0.00	0.00		-1140	-1139	-1259	-1260
302	2	22	0.00	0.00		-1039	-1038	-1138	-1139
302	2	22	0.00	0.00		-961	-960	-1039	-1040
302	2	22	0.00	0.00		-965	-964	-1043	-1044
302	2	22	0.00	0.00		-960	-959	-1038	-1039
302	2	22	0.00	0.00		-1038	-1037	-1137	-1138
302	2	22	0.00	0.00		-1142	-1141	-1261	-1262
302	2	22	0.00	0.00		-1041	-1040	-1140	-1141
302	2	22	0.00	0.00		-966	-965	-1044	-1045
302	2	22	0.00	0.00		-880	-879	-958	-959
302	2	22	0.00	0.00		-813	-812	-884	-885
302	2	22	0.00	0.00		-967	-966	-1045	-1046
302	2	22	0.00	0.00		-1040	-1039	-1139	-1140
302	2	22	0.00	0.00		-964	-963	-1042	-1043
302	2	22	0.00	0.00		-1138	-1137	319	-1258
302	2	22	0.00	0.00		-962	-961	-1040	-1041
302	2	22	0.00	0.00		-885	-884	-963	-964
302	2	22	0.00	0.00		-887	-886	-965	-966
303	4	22	0.00	0.00		-1289	-1288	-1297	-1298
303	4	22	0.00	0.00		-1320	-1319	-1328	-1329
303	4	22	0.00	0.00		-1299	-1298	-1312	-1313
303	4	22	0.00	0.00		-1334	-1333	406	
303	4	22	0.00	0.00		-1327	-1326	-1331	-1333
303	4	22	0.00	0.00		-1264	-1263	-1274	-1275
303	4	22	0.00	0.00		-1321	-1320	-1329	
303	4	22	0.00	0.00		-1309	-1308	-1317	-1318
303	4	22	0.00	0.00		-1288	-1287	-1296	-1297
303	4	22	0.00	0.00		-1312	-1311	-1320	-1321
303	4	22	0.00	0.00		-1310	-1309	-1318	-1319
303	4	22	0.00	0.00		-1295	-1294	-1308	-1309
303	4	22	0.00	0.00		-1263	-1262	-1273	-1274
303	4	22	0.00	0.00		-1258	319	-1268	-1269
303	4	22	0.00	0.00		-1269	-1268	-1285	-1286
303	4	22	0.00	0.00		-1265	-1264	-1275	-1267
303	4	22	0.00	0.00		-1328	-1327	-1333	-1334
303	4	22	0.00	0.00		-1318	-1317	-1326	-1327
303	4	22	0.00	0.00		-1260	-1259	-1270	-1271
303	4	22	0.00	0.00		-1286	-1285	-1294	-1295
303	4	22	0.00	0.00		-1275	-1274	-1291	-1292
303	4	22	0.00	0.00		-1311	-1310	-1319	-1320
303	4	22	0.00	0.00		-1291	-1290	-1299	-1300
303	4	22	0.00	0.00		-1313	-1312	-1321	
303	4	22	0.00	0.00		-1329	-1328	-1334	
303	4	22	0.00	0.00		-1296	-1295	-1309	-1310
303	4	22	0.00	0.00		-1274	-1273	-1290	-1291
303	4	22	0.00	0.00		-1292	-1291	-1300	
303	4	22	0.00	0.00		-1261	-1260	-1271	-1272
303	4	22	0.00	0.00		-1297	-1296	-1310	-1311
303	4	22	0.00	0.00		-1298	-1297	-1311	-1312
303	4	22	0.00	0.00		-1262	-1261	-1272	-1273
303	4	22	0.00	0.00		-1271	-1270	-1287	-1288
303	4	22	0.00	0.00		320	-1265	-1267	
303	4	22	0.00	0.00		-1319	-1318	-1327	-1328
303	4	22	0.00	0.00		-1273	-1272	-1289	-1290
303	4	22	0.00	0.00		-1270	-1269	-1286	-1287
303	4	22	0.00	0.00		-1290	-1289	-1298	-1299
303	4	22	0.00	0.00		-1259	-1258	-1269	-1270

Relazione di calcolo

303	4	22	0.00	0.00		-1267	-1275	-1292
303	4	22	0.00	0.00		-1333	-1331	406
303	4	22	0.00	0.00		-1300	-1299	-1313
303	4	22	0.00	0.00		-1272	-1271	-1288
303	4	22	0.00	0.00		-1287	-1286	-1295
304	2	22	0.00	0.00		-999	-1001	-1111
304	2	22	0.00	0.00		-904	-906	-985
304	2	22	0.00	0.00		-922	-926	-1005
304	2	22	0.00	0.00		-837	-839	-918
304	2	22	0.00	0.00		-843	-847	-926
304	2	22	0.00	0.00		-745	-747	-839
304	2	22	0.00	0.00		-847	-859	-938
304	2	22	0.00	0.00		-918	-920	-999
304	2	22	0.00	0.00		-743	-745	-837
304	2	22	0.00	0.00		-1101	-1103	-1180
304	2	22	0.00	0.00		-1095	-1099	-1174
304	2	22	0.00	0.00		-995	-997	-1105
304	2	22	0.00	0.00		-997	-999	-1107
304	2	22	0.00	0.00		204	-731	-827
304	2	22	0.00	0.00		-735	-739	-833
304	2	22	0.00	0.00		-916	-918	-997
304	2	22	0.00	0.00		-839	-841	-920
304	2	22	0.00	0.00		-1115	-1127	308
304	2	22	0.00	0.00		-841	-843	-922
304	2	22	0.00	0.00		-985	-989	-1095
304	2	22	0.00	0.00		-989	-991	-1099
304	2	22	0.00	0.00		-920	-922	-1001
304	2	22	0.00	0.00		-757	208	-859
304	2	22	0.00	0.00		-926	-938	-1017
304	2	22	0.00	0.00		-1089	-1091	-1166
304	2	22	0.00	0.00		-1099	-1101	-1178
304	2	22	0.00	0.00		-914	-916	-995
304	2	22	0.00	0.00		-739	-743	-835
304	2	22	0.00	0.00		-912	-914	-993
304	2	22	0.00	0.00		-983	-985	-1091
304	2	22	0.00	0.00		-1107	-1111	-1188
304	2	22	0.00	0.00		-753	-757	-847
304	2	22	0.00	0.00		-993	-995	-1103
304	2	22	0.00	0.00		-910	-912	-991
304	2	22	0.00	0.00		-747	-749	-841
304	2	22	0.00	0.00		-835	-837	-916
304	2	22	0.00	0.00		-1005	-1017	-1127
304	2	22	0.00	0.00		-991	-993	-1101
304	2	22	0.00	0.00		-1111	-1115	-1192
304	2	22	0.00	0.00		-827	-831	-910
304	2	22	0.00	0.00		-1105	-1107	-1184
304	2	22	0.00	0.00		-1001	-1005	-1115
304	2	22	0.00	0.00		-833	-835	-914
304	2	22	0.00	0.00		-906	-910	-989
304	2	22	0.00	0.00		-831	-833	-912
304	2	22	0.00	0.00		-1091	-1095	-1170
304	2	22	0.00	0.00		-1103	-1105	-1182
304	2	22	0.00	0.00		-825	-827	-906
304	2	22	0.00	0.00		-749	-753	-843
304	2	22	0.00	0.00		-731	-735	-831
305	4	22	0.00	0.00		-1192	308	-1277
305	4	22	0.00	0.00		-1325	-1330	404
305	4	22	0.00	0.00		-1182	-1184	-1283
305	4	22	0.00	0.00		-1279	-1280	-1303
305	4	22	0.00	0.00		-1307	-1284	-1276
305	4	22	0.00	0.00		-1324	-1332	404
305	4	22	0.00	0.00		-1323	-1324	-1332
305	4	22	0.00	0.00		-1180	-1182	-1282
305	4	22	0.00	0.00		-1316	-1322	-1330
305	4	22	0.00	0.00		-1307	-1301	-1316
305	4	22	0.00	0.00		-1278	-1279	-1293
305	4	22	0.00	0.00		-1280	-1281	-1304
305	4	22	0.00	0.00		-1305	-1306	-1324
305	4	22	0.00	0.00		-1316	-1330	-1325
305	4	22	0.00	0.00		-1282	-1283	-1306
305	4	22	0.00	0.00		-1303	-1304	-1315
305	4	22	0.00	0.00		-1174	-1178	-1280
305	4	22	0.00	0.00		-1184	-1283	-1284
305	4	22	0.00	0.00		-1166	-1170	-1278
305	4	22	0.00	0.00		-1276	-1284	-1188
305	4	22	0.00	0.00		-1283	-1306	-1307
305	4	22	0.00	0.00		-1301	-1302	-1322
305	4	22	0.00	0.00		-1170	-1174	-1279
305	4	22	0.00	0.00		-1304	-1305	-1323

Relazione di calcolo

305	4	22	0.00	0.00		-1178	-1180	-1281	-1280
305	4	22	0.00	0.00		-1276	-1277	-1302	-1301
305	4	22	0.00	0.00		304	-1166	-1266	
305	4	22	0.00	0.00		-1306	-1324	-1325	-1307
305	4	22	0.00	0.00		-1281	-1282	-1305	-1304
306	2	22	0.00	0.00		-855	-856	-935	-934
306	2	22	0.00	0.00		-1122	-1123	-1205	-1204
306	2	22	0.00	0.00		-768	-769	-858	-857
306	2	22	0.00	0.00		-763	-764	-853	-852
306	2	22	0.00	0.00		-1120	-1121	-1203	-1202
306	2	22	0.00	0.00		-934	-935	-1014	-1013
306	2	22	0.00	0.00		-1121	-1122	-1204	-1203
306	2	22	0.00	0.00		-765	-766	-855	-854
306	2	22	0.00	0.00		-933	-934	-1013	-1012
306	2	22	0.00	0.00		-764	-765	-854	-853
306	2	22	0.00	0.00		-1015	-1016	-1126	-1125
306	2	22	0.00	0.00		-854	-855	-934	-933
306	2	22	0.00	0.00		-853	-854	-933	-932
306	2	22	0.00	0.00		-762	-763	-852	-851
306	2	22	0.00	0.00		-931	-932	-1011	-1010
306	2	22	0.00	0.00		-932	-933	-1012	-1011
306	2	22	0.00	0.00		-1016	-1017	-1127	-1126
306	2	22	0.00	0.00		-769	208	-859	-858
306	2	22	0.00	0.00		-1119	-1120	-1202	-1201
306	2	22	0.00	0.00		-1009	-1010	-1120	-1119
306	2	22	0.00	0.00		-1010	-1011	-1121	-1120
306	2	22	0.00	0.00		-767	-768	-857	-856
306	2	22	0.00	0.00		-766	-767	-856	-855
306	2	22	0.00	0.00		-852	-853	-932	-931
306	2	22	0.00	0.00		-930	-931	-1010	-1009
306	2	22	0.00	0.00		-1126	-1127	308	-1208
306	2	22	0.00	0.00		-1014	-1015	-1125	-1124
306	2	22	0.00	0.00		-1125	-1126	-1208	-1207
306	2	22	0.00	0.00		-937	-938	-1017	-1016
306	2	22	0.00	0.00		-1124	-1125	-1207	-1206
306	2	22	0.00	0.00		-935	-936	-1015	-1014
306	2	22	0.00	0.00		-851	-852	-931	-930
306	2	22	0.00	0.00		-1011	-1012	-1122	-1121
306	2	22	0.00	0.00		-1013	-1014	-1124	-1123
306	2	22	0.00	0.00		-936	-937	-1016	-1015
306	2	22	0.00	0.00		-857	-858	-937	-936
306	2	22	0.00	0.00		-858	-859	-938	-937
306	2	22	0.00	0.00		-1012	-1013	-1123	-1122
306	2	22	0.00	0.00		-856	-857	-936	-935
306	2	22	0.00	0.00		-1123	-1124	-1206	-1205
307	2	22	0.00	0.00		-1624	-789	-874	-1623
307	2	22	0.00	0.00		-953	-952	-1031	-1032
307	2	22	0.00	0.00		-1032	-1031	-1132	-1133
307	2	22	0.00	0.00		-874	-873	-952	-953
307	2	22	0.00	0.00		-789	-788	-873	-874
307	2	22	0.00	0.00		-1133	-1132	-1231	-1232
307	2	22	0.00	0.00		-1621	-1032	-1133	-1619
307	2	22	0.00	0.00		-1623	-874	-953	-1622
307	2	22	0.00	0.00		-1622	-953	-1032	-1621
307	2	22	0.00	0.00		-1619	-1133	-1232	-1620
308	2	22	0.00	0.00		-1092	-1096	-1175	-1167
308	2	22	0.00	0.00		-1374	-1092	-1167	-1375
308	2	22	0.00	0.00		-1369	-732	-828	-1370
308	2	22	0.00	0.00		-1370	-828	-907	-1371
308	2	22	0.00	0.00		-1373	-1053	-1092	-1374
308	2	22	0.00	0.00		-1371	-907	-986	-1372
308	2	22	0.00	0.00		-1372	-986	-1053	-1373
311	5	22	0.00	0.00		-1354	-877	-956	-1355
311	5	22	0.00	0.00		-1353	-804	-877	-1354
311	5	22	0.00	0.00		-1357	-1135	-1253	-1358
311	5	22	0.00	0.00		-1355	-956	-1035	-1356
311	5	22	0.00	0.00		-1356	-1035	-1135	-1357
312	3	22	0.00	0.00		-1503	-975	-1081	-1504
312	3	22	0.00	0.00		-1500	-718	-817	-1501
312	3	22	0.00	0.00		-1502	-896	-975	-1503
312	3	22	0.00	0.00		-1501	-817	-896	-1502
312	3	22	0.00	0.00		-1504	-1081	-1147	-1505
313	3	22	0.00	0.00		-903	-1487	-1488	-982
313	3	22	0.00	0.00		-824	-1486	-1487	-903
313	3	22	0.00	0.00		-729	-1485	-1486	-824
313	3	22	0.00	0.00		-1088	-1489	-1490	-1164
313	3	22	0.00	0.00		-982	-1488	-1489	-1088
314	2	22	0.00	0.00		-1064	-1065	-1244	316
314	2	22	0.00	0.00		216	-798	-892	-891

Relazione di calcolo

314	2	22	0.00	0.00	-970 -971 -1065 -1064
314	2	22	0.00	0.00	-891 -892 -971 -970
316	2	22	0.00	0.00	-1424 -1093 -1168 -1425
316	2	22	0.00	0.00	-1421 -908 -987 -1422
316	2	22	0.00	0.00	-1423 -1054 -1093 -1424
316	2	22	0.00	0.00	-1419 -733 -829 -1420
316	2	22	0.00	0.00	-1420 -829 -908 -1421
316	2	22	0.00	0.00	-1422 -987 -1054 -1423
318	2	22	0.00	0.00	-943 -944 -1023 -1022
318	2	22	0.00	0.00	210 -780 -865 -864
318	2	22	0.00	0.00	-780 -781 -866 -865
318	2	22	0.00	0.00	-864 -865 -944 -943
318	2	22	0.00	0.00	-944 -945 -1024 -1023
318	2	22	0.00	0.00	-1023 -1024 -1072 -1071
318	2	22	0.00	0.00	-1022 -1023 -1071 -1070
318	2	22	0.00	0.00	-865 -866 -945 -944
318	2	22	0.00	0.00	-1070 -1071 -1221 310
318	2	22	0.00	0.00	-1071 -1072 -1222 -1221
322	2	22	0.00	0.00	-1066 -1067 317 -1245
322	2	22	0.00	0.00	-801 217 -894 -893
322	2	22	0.00	0.00	-972 -973 -1067 -1066
322	2	22	0.00	0.00	-893 -894 -973 -972
323	2	22	0.00	0.00	-1545 -794 -890 -1546
323	2	22	0.00	0.00	-968 -1547 -1548 -1061
323	2	22	0.00	0.00	-1546 -890 -969 -1547
323	2	22	0.00	0.00	-1548 -1062 -1242 -1549
323	2	22	0.00	0.00	-1547 -969 -1062 -1548
323	2	22	0.00	0.00	-1061 -1548 -1549 315
323	2	22	0.00	0.00	215 -1545 -1546 -889
323	2	22	0.00	0.00	-889 -1546 -1547 -968
325	4	22	0.00	0.00	-1081 -1147 -1148
391	3	22	0.00	0.00	-897 -1572 -1575 -976
391	3	22	0.00	0.00	-818 -1571 -1572 -897
391	3	22	0.00	0.00	-1047 -1577 -1578 -1082
391	3	22	0.00	0.00	-976 -1575 -1577 -1047
391	3	22	0.00	0.00	-1082 -1578 -1616 -1152
391	3	22	0.00	0.00	-721 -1568 -1571 -818
392	3	22	0.00	0.00	-1570 -820 -899 -1573
392	3	22	0.00	0.00	-1574 -978 -1049 -1576
392	3	22	0.00	0.00	-1576 -1049 -1084 -1579
392	3	22	0.00	0.00	-1573 -899 -978 -1574
392	3	22	0.00	0.00	-1569 -722 -820 -1570
392	3	22	0.00	0.00	-1579 -1084 -1153 -1614
1101	3	22	0.00	0.00	-12 -1600 -1601 -112
1101	3	22	0.00	0.00	-111 -112 -268 -267
1101	3	22	0.00	0.00	-11 -12 -112 -111
1101	3	22	0.00	0.00	-268 -1602 -1603 -295
1101	3	22	0.00	0.00	-112 -1601 -1602 -268
1101	3	22	0.00	0.00	-267 -268 -295 -294
1102	3	22	0.00	0.00	-1599 -13 -114 -1598
1102	3	22	0.00	0.00	-114 -115 -271 -270
1102	3	22	0.00	0.00	-270 -271 -297 -296
1102	3	22	0.00	0.00	-13 -14 -115 -114
1102	3	22	0.00	0.00	-1598 -114 -270 -1597
1102	3	22	0.00	0.00	-1597 -270 -296 -1596
1151	2	22	0.00	0.00	-140 -1395 -1396 -280
1151	2	22	0.00	0.00	-42 -1693 -1395 -140
1151	2	22	0.00	0.00	-1376 -42 -140 -1342
1151	2	22	0.00	0.00	-1342 -140 -280 -278
1151	2	22	0.00	0.00	-280 -1396 -1397 -325
1151	2	22	0.00	0.00	-278 -280 -325 -321
1152	2	22	0.00	0.00	-1391 -284 -340 -1390
1152	2	22	0.00	0.00	-1692 -55 -1377 -1392
1152	2	22	0.00	0.00	-1392 -1377 -284 -1391
1171	2	22	0.00	0.00	-281 -1428 -1429 -326
1171	2	22	0.00	0.00	-43 -1426 -1427 -141
1171	2	22	0.00	0.00	-279 -281 -326 -322
1171	2	22	0.00	0.00	-1341 -141 -281 -279
1171	2	22	0.00	0.00	-39 -43 -141 -1341
1171	2	22	0.00	0.00	-141 -1427 -1428 -281
1172	2	22	0.00	0.00	-1457 -56 -156 -1456
1172	2	22	0.00	0.00	-1455 -285 -341 -1454
1172	2	22	0.00	0.00	-1456 -156 -285 -1455
1191	2	22	0.00	0.00	-71 -1689 -1691 -162
1191	2	22	0.00	0.00	-231 -1669 -1664 -353
1191	2	22	0.00	0.00	-162 -1691 -1669 -231
1192	2	22	0.00	0.00	-1662 -72 -164 -1690
1192	2	22	0.00	0.00	-1670 -233 -354 -1671
1192	2	22	0.00	0.00	-1690 -164 -233 -1670

Relazione di calcolo

1201	2	22	0.00	0.00	-234 -1636 -1639 -355
1201	2	22	0.00	0.00	-73 -1634 -1661 -165
1201	2	22	0.00	0.00	-165 -1661 -1636 -234
1202	2	22	0.00	0.00	-1632 -74 -167 -1660
1202	2	22	0.00	0.00	-1637 -236 -356 -1638
1202	2	22	0.00	0.00	-1660 -167 -236 -1637
1211	2	22	0.00	0.00	-226 -1524 -1525 -347
1211	2	22	0.00	0.00	-157 -1523 -1524 -226
1211	2	22	0.00	0.00	-62 -1537 -1523 -157
1212	2	22	0.00	0.00	-1510 -240 -360 -1511
1212	2	22	0.00	0.00	-1509 -171 -240 -1510
1212	2	22	0.00	0.00	-1536 -78 -171 -1509
2101	3	22	0.00	0.00	-391 -1604 -1605 -470
2101	3	22	0.00	0.00	-295 -1603 -1604 -391
2101	3	22	0.00	0.00	-655 -1608 -1609 -725
2101	3	22	0.00	0.00	-549 -1606 -1607 -620
2101	3	22	0.00	0.00	-470 -1605 -1606 -549
2101	3	22	0.00	0.00	-620 -1607 -1608 -655
2102	3	22	0.00	0.00	-1593 -551 -622 -1592
2102	3	22	0.00	0.00	-1596 -296 -393 -1595
2102	3	22	0.00	0.00	-1594 -472 -551 -1593
2102	3	22	0.00	0.00	-1591 -657 -726 -1590
2102	3	22	0.00	0.00	-1592 -622 -657 -1591
2102	3	22	0.00	0.00	-1595 -393 -472 -1594
2151	2	22	0.00	0.00	-684 -1402 -1403 -755
2151	2	22	0.00	0.00	-415 -1398 -1399 -494
2151	2	22	0.00	0.00	-573 -1400 -1401 -625
2151	2	22	0.00	0.00	-325 -1397 -1398 -415
2151	2	22	0.00	0.00	-625 -1401 -1402 -684
2151	2	22	0.00	0.00	-494 -1399 -1400 -573
2152	2	22	0.00	0.00	-1389 -430 -509 -1388
2152	2	22	0.00	0.00	-1385 -699 -770 -1384
2152	2	22	0.00	0.00	-1388 -509 -588 -1387
2152	2	22	0.00	0.00	-1390 -340 -430 -1389
2152	2	22	0.00	0.00	-1386 -629 -699 -1385
2152	2	22	0.00	0.00	-1387 -588 -629 -1386
2171	2	22	0.00	0.00	-626 -1433 -1434 -685
2171	2	22	0.00	0.00	-685 -1434 -1435 -756
2171	2	22	0.00	0.00	-495 -1431 -1432 -574
2171	2	22	0.00	0.00	-326 -1429 -1430 -416
2171	2	22	0.00	0.00	-416 -1430 -1431 -495
2171	2	22	0.00	0.00	-574 -1432 -1433 -626
2172	2	22	0.00	0.00	-1451 -589 -630 -1450
2172	2	22	0.00	0.00	-1454 -341 -431 -1453
2172	2	22	0.00	0.00	-1452 -510 -589 -1451
2172	2	22	0.00	0.00	-1450 -630 -700 -1449
2172	2	22	0.00	0.00	-1449 -700 -771 -1448
2172	2	22	0.00	0.00	-1453 -431 -510 -1452
2191	2	22	0.00	0.00	-595 -1673 -1674 -643
2191	2	22	0.00	0.00	-353 -1664 -1665 -437
2191	2	22	0.00	0.00	-516 -1672 -1673 -595
2191	2	22	0.00	0.00	-437 -1665 -1672 -516
2191	2	22	0.00	0.00	-643 -1674 -1666 -783
2192	2	22	0.00	0.00	-1671 -354 -439 -1675
2192	2	22	0.00	0.00	-1676 -518 -597 -1677
2192	2	22	0.00	0.00	-1675 -439 -518 -1676
2192	2	22	0.00	0.00	-1677 -597 -645 -1678
2192	2	22	0.00	0.00	-1678 -645 -784 -1679
2201	2	22	0.00	0.00	-598 -1655 -1656 -646
2201	2	22	0.00	0.00	-519 -1654 -1655 -598
2201	2	22	0.00	0.00	-440 -1640 -1654 -519
2201	2	22	0.00	0.00	-646 -1656 -1642 -785
2201	2	22	0.00	0.00	-355 -1639 -1640 -440
2202	2	22	0.00	0.00	-1641 -442 -521 -1657
2202	2	22	0.00	0.00	-1638 -356 -442 -1641
2202	2	22	0.00	0.00	-1657 -521 -600 -1658
2202	2	22	0.00	0.00	-1658 -600 -648 -1659
2211	2	22	0.00	0.00	-638 -1529 -1530 -777
2211	2	22	0.00	0.00	-560 -1528 -1529 -638
2211	2	22	0.00	0.00	-432 -1526 -1527 -511
2211	2	22	0.00	0.00	-511 -1527 -1528 -560
2211	2	22	0.00	0.00	-347 -1525 -1526 -432
2212	2	22	0.00	0.00	-1511 -360 -446 -1512
2212	2	22	0.00	0.00	-1514 -604 -649 -1515
2212	2	22	0.00	0.00	-1515 -649 -790 -1516
2212	2	22	0.00	0.00	-1513 -525 -604 -1514
2212	2	22	0.00	0.00	-1512 -446 -525 -1513
3101	3	22	0.00	0.00	-979 -1612 -1613 -1050
3101	3	22	0.00	0.00	-1050 -1613 -1582 -1085

Relazione di calcolo

3101	3	22	0.00	0.00		-1085	-1582	-1617	-1158
3101	3	22	0.00	0.00		-821	-1610	-1611	-900
3101	3	22	0.00	0.00		-725	-1609	-1610	-821
3101	3	22	0.00	0.00		-900	-1611	-1612	-979
3102	3	22	0.00	0.00		-1588	-902	-981	-1587
3102	3	22	0.00	0.00		-1586	-1052	-1087	-1584
3102	3	22	0.00	0.00		-1584	-1087	-1159	-1615
3102	3	22	0.00	0.00		-1587	-981	-1052	-1586
3102	3	22	0.00	0.00		-1589	-823	-902	-1588
3102	3	22	0.00	0.00		-1590	-726	-823	-1589
3151	2	22	0.00	0.00		-845	-1404	-1405	-924
3151	2	22	0.00	0.00		-924	-1405	-1406	-1003
3151	2	22	0.00	0.00		-1055	-1407	-1408	-1113
3151	2	22	0.00	0.00		-1113	-1408	-1409	-1190
3151	2	22	0.00	0.00		-1003	-1406	-1407	-1055
3151	2	22	0.00	0.00		-755	-1403	-1404	-845
3152	2	22	0.00	0.00		-1383	-860	-939	-1382
3152	2	22	0.00	0.00		-1380	-1018	-1059	-1381
3152	2	22	0.00	0.00		-1381	-1059	-1128	-1378
3152	2	22	0.00	0.00		-1382	-939	-1018	-1380
3152	2	22	0.00	0.00		-1378	-1128	-1209	-1379
3152	2	22	0.00	0.00		-1384	-770	-860	-1383
3171	2	22	0.00	0.00		-756	-1435	-1436	-846
3171	2	22	0.00	0.00		-1056	-1439	-1440	-1114
3171	2	22	0.00	0.00		-1114	-1440	-1441	-1191
3171	2	22	0.00	0.00		-846	-1436	-1437	-925
3171	2	22	0.00	0.00		-1004	-1438	-1439	-1056
3171	2	22	0.00	0.00		-925	-1437	-1438	-1004
3172	2	22	0.00	0.00		-1447	-861	-940	-1446
3172	2	22	0.00	0.00		-1448	-771	-861	-1447
3172	2	22	0.00	0.00		-1444	-1060	-1129	-1442
3172	2	22	0.00	0.00		-1446	-940	-1019	-1445
3172	2	22	0.00	0.00		-1442	-1129	-1210	-1443
3172	2	22	0.00	0.00		-1445	-1019	-1060	-1444
3191	2	22	0.00	0.00		-1025	-1681	-1682	-1073
3191	2	22	0.00	0.00		-783	-1666	-1667	-867
3191	2	22	0.00	0.00		-867	-1667	-1680	-946
3191	2	22	0.00	0.00		-946	-1680	-1681	-1025
3191	2	22	0.00	0.00		-1073	-1682	-1683	-1224
3192	2	22	0.00	0.00		-1685	-948	-1027	-1686
3192	2	22	0.00	0.00		-1686	-1027	-1075	-1687
3192	2	22	0.00	0.00		-1684	-869	-948	-1685
3192	2	22	0.00	0.00		-1679	-784	-869	-1684
3192	2	22	0.00	0.00		-1687	-1075	-1225	-1688
3201	2	22	0.00	0.00		-1028	-1645	-1646	-1076
3201	2	22	0.00	0.00		-949	-1644	-1645	-1028
3201	2	22	0.00	0.00		-785	-1642	-1643	-870
3201	2	22	0.00	0.00		-1076	-1646	-1647	-1226
3201	2	22	0.00	0.00		-870	-1643	-1644	-949
3202	2	22	0.00	0.00		-1651	-1030	-1078	-1652
3202	2	22	0.00	0.00		-1652	-1078	-1227	-1653
3202	2	22	0.00	0.00		-1650	-951	-1030	-1651
3202	2	22	0.00	0.00		-1649	-872	-951	-1650
3202	2	22	0.00	0.00		-1648	-786	-872	-1649
3211	2	22	0.00	0.00		-862	-1531	-1532	-941
3211	2	22	0.00	0.00		-777	-1530	-1531	-862
3211	2	22	0.00	0.00		-1020	-1533	-1534	-1068
3211	2	22	0.00	0.00		-941	-1532	-1533	-1020
3211	2	22	0.00	0.00		-1068	-1534	-1535	-1216
3212	2	22	0.00	0.00		-1516	-790	-876	-1517
3212	2	22	0.00	0.00		-1520	-1079	-1233	-1521
3212	2	22	0.00	0.00		-1517	-876	-955	-1518
3212	2	22	0.00	0.00		-1518	-955	-1034	-1519
3212	2	22	0.00	0.00		-1519	-1034	-1079	-1520

Elenco tipi solai

Simbologia

- Ts = Numero del tipo solaio
- Comm. = Commento
- Qps = Carico permanente strutturale
- Qpn = Carico permanente non strutturale
- Qa = Primo carico accidentale
- Qa2 = Secondo carico accidentale
- Qa3 = Terzo carico accidentale
- Rip. ter. = Ripartizione su aste terminali
- Rip. int. = Ripartizione su aste interne
- s = Coeff. di riduzione
- Hs = Altezza solaio
- Sc = Spessore cappa

Relazione di calcolo

Crit. = Numero del criterio di progetto

Ts	Comm.	Qps <daN/mq>	Qpn <daN/mq>	Qa <daN/mq>	Qa2 <daN/mq>	Qa3 <daN/mq>	Rip. ter.	Rip. int.	s	Hs <cm>	Sc <cm>	Crit.
1	Solaio PT	300.00	200.00	300.00	0.00	0.00	50.00	50.00	1.00	24.00	4.00	1
2	Solaio Pl	300.00	200.00	300.00	0.00	0.00	50.00	50.00	1.00	24.00	4.00	1
3	Solaio sottotetto	300.00	50.00	50.00	0.00	0.00	50.00	50.00	1.00	2000.00	400.00	1
4	Copertura	100.00	90.00	0.00	150.00	0.00	50.00	50.00	1.00	18.00	0.00	1

Elenco solai

Simbologia

Sol. = Numero del solaio
 Ts = Numero del tipo solaio
 Ord. = Orditura
 Nodi = Nodi del solaio

Sol.	Ts	Ord. <grad>	Nodi											
100	1	0.00	110 -350 -351 111 -352 -353 -1664 112 117 -371 -370 -369 -368 116 -362 -361											
101	1	90.00	109 -348 -349 110 -361 -362 116 -367 -366 -365 -364 -1541 115 -363 -360 -1511											
102	1	0.00	116 -368 -369 -370 -371 117 120 -385 -384 -383 -382 -381 -380 -379 -378 119											
103	1	0.00	106 -330 -331 107 -1454 -341 -344 113 -1639 -355 -354 -1671 112 -1664 -353 -352 111 -345 -343 -340 -1390											
104	1	0.00	102 -1557 -292 -293 -294 -295 -1603 103 -1413 -303 -307 -311 -322 -326 -1429 107 -331 -330 106 -1397 -325 -321 -310 -306 -302 -1363											
105	1	0.00	105 -328 -329 106 -1390 -340 -343 -345 111 -351 -350 110 -349 -348 109 -1525 -347											
106	1	0.00	107 -332 -333 -334 -335 -336 -337 -338 -339 108 -342 -346 114 -1629 -359 -358 -357 -356 -1638 113 -344 -341 -1454											
107	1	0.00	101 -1495 -288 -289 -290 -291 -1556 102 -1363 -302 -306 -310 -321 -325 -1397 106 -329 -328 105 -324 -320 -318 -316 -314 -312 -308 -304 -300											
108	1	0.00	103 -1596 -296 -297 -298 -299 -1480 104 -301 -305 -309 -313 -315 -317 -319 -323 -327 108 -339 -338 -337 -336 -335 -334 -333 -332 107 -1429 -326 -322 -311 -307 -303 -1413											
109	1	90.00	115 -1541 -364 -365 -366 -367 116 119 118 -1348 -1344 -373 -372											
200	2	0.00	205 -758 -759 206 -1384 -770 -773 -775 211 -781 -780 210 -779 -778 209 -1530 -777											
201	2	90.00	209 -778 -779 210 -791 -792 216 -797 -796 -795 -794 -1545 215 -793 -790 -1516											
202	2	0.00	216 -798 -799 -800 -801 217 220 -815 -814 -813 -812 -811 -810 -809 -808 219											
203	2	0.00	210 -780 -781 211 -782 -783 -1666 212 217 -801 -800 -799 -798 216 -792 -791											
204	2	0.00	202 -1569 -722 -723 -724 -725 -1609 203 -1419 -733 -737 -752 -756 -1435 207 -761 -760 206 -1403 -755 -751 -740 -732 -1369											
205	2	0.00	206 -760 -761 207 -1448 -771 -774 213 -1642 -785 -784 -1679 212 -1666 -783 -782 211 -775 -773 -770 -1384											
206	2	0.00	207 -762 -763 -764 -765 -766 -767 -768 -769 208 -772 -776 214 -1624 -789 -788 -787 -786 -1648 213 -774 -771 -1448											
207	2	0.00	201 -1500 -718 -719 -720 -721 -1568 202 -1369 -732 -740 -751 -755 -1403 206 -759 -758 205 -754 -750 -748 -746 -744 -742 -738 -734 -730											
208	2	0.00	203 -1590 -726 -727 -728 -729 -1485 204 -731 -735 -739 -743 -745 -747 -749 -753 -757 208 -769 -768 -767 -766 -765 -764 -763 -762 207 -1435 -756 -752 -737 -733 -1419											
209	2	90.00	215 -1545 -794 -795 -796 -797 216 219 218 -1353 -804 -803 -802											
300	3	90.00	305 -1193 -1194 -1195 -1196 306 -1379 -1209 -1213 311 -1222 -1221 310 -1220 -1219 -1218 -1217 309 -1535 -1216 -1211											
301	3	0.00	309 -1217 -1218 -1219 -1220 310 -1234 -1239 316 -1248 -1252 319 318 -1358 -1253 -1251 -1246 315 -1241 -1236											
302	3	90.00	313 -1653 -1227 -1228 -1229 -1230 -1231 -1232 -1233 -1234 314 -1215 -1212 308 -1208 -1207 -1206 -1205 -1204 -1203 -1202 -1201 307 -1443 -1210 -1214											
303	3	0.00	316 -1244 -1245 317 -1240 -1238 -1237 -1235 312 -1683 -1224 -1223 311 -1222 -1221 310 -1234 -1239											
304	3	0.00	316 -1244 -1245 317 -1247 -1249 -1250 -1254 320 -1265 -1264 -1263 -1262 -1261 -1260 -1259 -1258 319 -1252 -1248											
305	3	90.00	302 -1614 -1153 -1154 -1155 -1156 -1157 -1158 -1617 303 -1425 -1168 -1172 -1187 -1191 -1441 307 -1200 -1199 -1198 -1197 306 -1409 -1190 -1186 -1175 -1167 -1375											
306	3	90.00	306 -1379 -1209 -1213 311 -1223 -1224 -1683 312 -1688 -1225 -1226 -1647 313 -1214 -1210 -1443 307 -1200 -1199 -1198 -1197											
307	3	90.00	308 -1208 -1207 -1206 -1205 -1204 -1203 -1202 -1201 307 -1441 -1191 -1187 -1172 -1168 -1425 303 -1615 -1159 -1160 -1161 -1162 -1163 -1164 -1490 304 -1166 -1170 -1174 -1178 -1180 -1182 -1184 -1188 -1192											
308	3	90.00	305 -1193 -1194 -1195 -1196 306 -1409 -1190 -1186 -1175 -1167 -1375 302 -1616 -1152 -1151 -1150 -1149 -1148 -1147 -1505 301 -1165 -1169 -1173 -1177 -1179 -1181 -1183 -1185 -1189											
400	4	0.00	312 -1314 401 405											
401	4	0.00	312 -1235 -1237 -1238 -1240 317 -1247 -1249 -1250 -1254 320 -1267 -1292 -1300 -1313 -1321 -1329 -1334 406 405											
402	4	90.00	402 401 -1314											
403	4	0.00	318 -1331 406 405 309 -1236 -1241 315 -1246 -1251 -1253 -1358											
404	4	90.00	403 402 -1314 312 -1688 -1225 -1226 -1647 313											
405	4	90.00	302 402 403 303 -1617 -1158 -1157 -1156 -1155 -1154 -1153 -1614											
406	4	90.00	403 404 -1332 -1323 -1315 -1303 -1293 -1278 -1266 304 -1490 -1164 -1163 -1162 -1161 -1160 -1159 -1615 303											
407	4	90.00	314 -1322 -1330 404 403 313 -1653 -1227 -1228 -1229 -1230 -1231 -1232 -1620											
408	4	0.00	309 405 401 301 -1165 -1169 -1173 -1177 -1179 -1181 -1183 -1185 -1189 305 -1211 -1216 -1535											
409	4	90.00	301 401 402 302 -1616 -1152 -1151 -1150 -1149 -1148 -1147 -1505											

Elenco tipi tamponature

Simbologia

Tt = Numero del tipo tamponatura
 Comm. = Commento
 Qpn = Carico permanente non strutturale
 P = Puntoni equivalenti
 S = Genera i puntoni equivalenti
 N = Non genera i puntoni equivalenti
 Tipo = Tipologia
 C = Area di carico
 V = Area di carico e verifica
 Crit. = Criterio di progetto

Tt	Comm.	Qpn <daN/mq>	P	Tipo	Crit.	Tt	Comm.	Qpn <daN/mq>	P	Tipo	Crit.
1	Tamponamento esterno	250.00	N	C	--	2	Tamponamenti interni	200.00	N	C	--

Elenco tamponature

Simbologia

Tam. = Numero della tamponatura
 Tt = Numero del tipo tamponatura
 Nodi = Nodi della tamponatura

Tam.	Tt	Nodi																						
101	1	-2	-105	-194	-289	-290	-262	-106	-5	-4	-3													
102	1	-8	-110	-266	-293	-294	-267	-111	-11	-10	-9													
103	1	-14	-115	-271	-297	-298	-195	-116	-17	-16	-15													
104	1	10	-65	-66	-67	11	-68	-69	-70	-71	-1689	12	-163	-232	112	-1664	-353	-352	111	-351	-350	110	-228	-159
105	1	12	-1662	-72	-73	-1634	13	-166	-235	113	-1639	-355	-354	-1671	112	-232	-163							
106	1	13	-1632	-74	-75	-1343	-77	-1631	14	-170	-239	114	-1629	-359	-358	-357	-356	-1638	113	-235	-166			
107	1	-143	-216	105	-347	-1525	109	-227	-158	9	-1537	-62	-57	5										
108	1	109	-1511	-360	-363	115	-241	-172	15	-81	-78	-1536	9	-158	-227									
109	1	15	-172	-241	115	-372	-373	-248	-178	-89	-88	-86												
111	1	112	117	-247	-177	17	-80	-79	12	-163	-232													
112	1	117	120	-261	-191	20	-91	-87	17	-177	-247													
113	2	-303	-399	-478	-557	-624	-664	-733	-737	-752	-756	-685	-626	-574	-495	-416	-326	-322	-311	-307				
201	1	-288	-387	-466	-545	-651	-718	-719	-720	-721	-652	-617	-546	-467	-388	-291	-290	-289						
202	1	-292	-390	-469	-548	-619	-654	-722	-723	-724	-725	-655	-620	-549	-470	-391	-295	-294	-293					
203	1	-296	-393	-472	-551	-622	-657	-726	-727	-728	-729	-659	-552	-473	-394	-299	-298	-297						
204	1	110	-350	-351	111	-352	-353	-1664	112	-438	-517	-596	-644	212	-1666	-783	-782	211	-781	-780	210	-640	-592	
		-513	-434																					
205	1	212	-1679	-784	-785	-1642	213	-647	-599	-520	-441	113	-1639	-355	-354	-1671	112	-438	-517	-596	-644			
206	1	113	-1638	-356	-357	-358	-359	-1629	114	-445	-524	-603	-705	214	-1624	-789	-788	-787	-786	-1648	213	-647		
		-599	-520	-441																				
207	1	-418	-497	-576	-687	205	-777	-1530	209	-639	-591	-512	-433	109	-1525	-347	105							
208	1	109	-1511	-360	-363	115	-459	-538	-631	215	-793	-790	-1516	209	-639	-591	-512	-433						
209	1	115	-459	-538	-631	215	-802	-803	-804	-706	-605	-526	-447	-1344	-373	-372								
211	1	212	217	-637	-543	-464	117	112	-438	-517	-596	-644												
212	1	117	120	-458	-537	-616	-717	220	217	-637	-543	-464												
213	2	-302	-1359	-477	-556	-623	-663	-732	-740	-751	-755	-684	-625	-573	-494	-415	-325	-321	-310	-306				
213	2	-733	-829	-908	-987	-1054	-1093	-1168	-1172	-1187	-1191	-1114	-1056	-1004	-925	-846	-756	-752	-737					
213	2	-732	-828	-907	-986	-1053	-1092	-1167	-1175	-1186	-1190	-1113	-1055	-1003	-924	-845	-755	-751	-740					
301	1	-718	-817	-896	-975	-1081	-1147	-1148	-1149	-1150	-1151	-1152	-1082	-1047	-976	-897	-818	-721	-720	-719				
302	1	-722	-820	-899	-978	-1049	-1084	-1153	-1154	-1155	-1156	-1157	-1158	-1085	-1050	-979	-900	-821	-725	-724				
		-723																						
303	1	-726	-823	-902	-981	-1052	-1087	-1159	-1160	-1161	-1162	-1163	-1164	-1088	-982	-903	-824	-729	-728	-727				
304	1	210	-780	-781	211	-782	-783	-1666	212	-868	-947	-1026	-1074	312	-1683	-1224	-1223	311	-1222	-1221	310	-1070		
		-1022	-943	-864																				
305	1	312	-1688	-1225	-1226	-1647	313	-1077	-1029	-950	-871	213	-1642	-785	-784	-1679	212	-868	-947	-1026	-1074			
306	1	213	-1648	-786	-787	-788	-789	-1624	214	-875	-954	-1033	-1134	314	-1620	-1232	-1231	-1230	-1229	-1228	-1227			
		-1653	313	-1077	-1029	-950	-871																	
307	1	-848	-927	-1006	-1116	305	-1211	-1216	-1535	309	-1069	-1021	-942	-863	209	-1530	-777	205						
308	1	209	-1516	-790	-793	215	-889	-968	-1061	315	-1241	-1236	309	-1069	-1021	-942	-863							
309	1	215	-889	-968	-1061	315	-1246	-1251	-1253	-1135	-1035	-956	-877	-804	-803	-802								
311	1	312	-1235	-1237	-1238	-1240	317	-1067	-973	-894	217	212	-868	-947	-1026	-1074								
312	1	217	220	-888	-967	-1046	-1146	320	-1254	-1250	-1249	-1247	317	-1067	-973	-894								

Carichi

Condizioni di carico elementari

Simbologia

CCE = Numero della condizione di carico elementare
 Comm. = Commento
 Mx = Moltiplicatore della massa in dir. X
 My = Moltiplicatore della massa in dir. Y
 Mz = Moltiplicatore della massa in dir. Z

Relazione di calcolo

Jpx = Moltiplicatore del momento d'inerzia intorno all'asse X
 Jpy = Moltiplicatore del momento d'inerzia intorno all'asse Y
 Jpz = Moltiplicatore del momento d'inerzia intorno all'asse Z
 Tipo CCE = Tipo di CCE per calcolo agli stati limite
 Sicurezza = Contributo alla sicurezza
 F = a favore
 S = a sfavore
 A = ambigua
 Variabilità = Tipo di variabilità
 B = di base
 I = indipendente
 A = ambigua

CCE	Comm.	Mx	My	Mz	Jpx	Jpy	Jpz	Tipo CCE	Sicurezza	Variabilità
1	Peso Proprio	1.00	1.00	0.00	0.00	0.00	1.00	1 D.M. 08 Permanenti strutturali	S	--
2	Accidentale scuole	1.00	1.00	0.00	0.00	0.00	1.00	5 D.M. 08 Variabili Categoria C Ambienti suscettibili di affollamento	S	B
3	Accidentale neve	1.00	1.00	0.00	0.00	0.00	1.00	11 D.M. 08 Variabili Neve (a quota <= 1000 m s.l.m.)	S	B
4	Tamponamenti	1.00	1.00	0.00	0.00	0.00	1.00	2 D.M. 08 Permanenti non strutturali	S	--
5	Permanente strutturale	1.00	1.00	0.00	0.00	0.00	1.00	1 D.M. 08 Permanenti strutturali	S	--
6	Permanente non strutturale	1.00	1.00	0.00	0.00	0.00	1.00	2 D.M. 08 Permanenti non strutturali	S	--

Elenco carichi aste

Condizione di carico n. 1: Peso Proprio

Carichi distribuiti

Simbologia

Asta = Numero dell'asta
 N1 = Nodo iniziale
 N2 = Nodo finale
 E = Elemento provenienza del carico
 S = Solaio
 T = Tamponatura
 NE = Numero elemento di provenienza del carico
 T = Tipo di carico
 QA = Primo carico accidentale
 QA2 = Secondo carico accidentale
 QA3 = Terzo carico accidentale
 QPS = Carico permanente strutturale
 QPN = Carico permanente non strutturale
 PP = Peso proprio
 M = Manuale
 DC = Direzione del carico
 XG,YG,ZG = secondo gli assi globali
 XL,YL,ZL = secondo gli assi locali
 Xi = Distanza iniziale
 Qi = Carico iniziale
 Xf = Distanza finale
 Qf = Carico finale

Asta	N1	N2	E	NE	T	DC	Xi <m>	Qi <daN/m>	Xf <m>	Qf <daN/m>
0	-300	101	S	--	PP	ZG	0.00	390.00	0.63	390.00
0	-816	-895	S	--	PP	ZG	0.00	487.50	0.68	487.50
0	18	-93	S	--	PP	ZG	0.00	1925.00	0.41	1925.00
1	1	-103	S	--	PP	ZG	0.00	487.50	0.60	487.50
1	-103	-192	S	--	PP	ZG	0.00	487.50	0.60	487.50
1	-192	101	S	--	PP	ZG	0.00	487.50	0.60	487.50
1	101	-386	S	--	PP	ZG	0.00	487.50	0.68	487.50
1	-386	-465	S	--	PP	ZG	0.00	487.50	0.68	487.50
1	-465	-544	S	--	PP	ZG	0.00	487.50	0.68	487.50
1	-544	-650	S	--	PP	ZG	0.00	487.50	0.86	487.50
1	-650	201	S	--	PP	ZG	0.00	487.50	0.50	487.50
1	201	-816	S	--	PP	ZG	0.00	487.50	0.68	487.50
1	-895	-974	S	--	PP	ZG	0.00	487.50	0.68	487.50
1	-974	-1080	S	--	PP	ZG	0.00	487.50	0.86	487.50
1	-1080	301	S	--	PP	ZG	0.00	487.50	0.50	487.50
2	2	-108	S	--	PP	ZG	0.00	487.50	0.60	487.50
2	-108	-264	S	--	PP	ZG	0.00	487.50	0.70	487.50
2	-264	102	S	--	PP	ZG	0.00	487.50	0.50	487.50
2	102	-389	S	--	PP	ZG	0.00	487.50	0.68	487.50
2	-389	-468	S	--	PP	ZG	0.00	487.50	0.68	487.50
2	-468	-547	S	--	PP	ZG	0.00	487.50	0.68	487.50
2	-547	-618	S	--	PP	ZG	0.00	487.50	0.43	487.50
2	-618	-653	S	--	PP	ZG	0.00	487.50	0.43	487.50
2	-653	202	S	--	PP	ZG	0.00	487.50	0.50	487.50
2	202	-819	S	--	PP	ZG	0.00	487.50	0.68	487.50
2	-819	-898	S	--	PP	ZG	0.00	487.50	0.68	487.50
2	-898	-977	S	--	PP	ZG	0.00	487.50	0.68	487.50
2	-977	-1048	S	--	PP	ZG	0.00	487.50	0.43	487.50
2	-1048	-1083	S	--	PP	ZG	0.00	487.50	0.43	487.50

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2	-1083	302	S	--	PP	ZG	0.00	487.50	0.50	487.50
3	3	-113	S	--	PP	ZG	0.00	487.50	0.60	487.50
3	-113	-269	S	--	PP	ZG	0.00	487.50	0.70	487.50
3	-269	103	S	--	PP	ZG	0.00	487.50	0.50	487.50
3	103	-392	S	--	PP	ZG	0.00	487.50	0.68	487.50
3	-392	-471	S	--	PP	ZG	0.00	487.50	0.68	487.50
3	-471	-550	S	--	PP	ZG	0.00	487.50	0.68	487.50
3	-550	-621	S	--	PP	ZG	0.00	487.50	0.43	487.50
3	-621	-656	S	--	PP	ZG	0.00	487.50	0.43	487.50
3	-656	203	S	--	PP	ZG	0.00	487.50	0.50	487.50
3	203	-822	S	--	PP	ZG	0.00	487.50	0.68	487.50
3	-822	-901	S	--	PP	ZG	0.00	487.50	0.68	487.50
3	-901	-980	S	--	PP	ZG	0.00	487.50	0.68	487.50
3	-980	-1051	S	--	PP	ZG	0.00	487.50	0.43	487.50
3	-1051	-1086	S	--	PP	ZG	0.00	487.50	0.43	487.50
3	-1086	303	S	--	PP	ZG	0.00	487.50	0.50	487.50
5	5	-143	S	--	PP	ZG	0.00	325.00	0.60	325.00
5	-143	-216	S	--	PP	ZG	0.00	325.00	0.60	325.00
5	-216	105	S	--	PP	ZG	0.00	325.00	0.60	325.00
5	105	-418	S	--	PP	ZG	0.00	325.00	0.68	325.00
5	-418	-497	S	--	PP	ZG	0.00	325.00	0.68	325.00
5	-497	-576	S	--	PP	ZG	0.00	325.00	0.68	325.00
5	-576	-687	S	--	PP	ZG	0.00	325.00	0.86	325.00
5	-687	205	S	--	PP	ZG	0.00	325.00	0.50	325.00
5	205	-848	S	--	PP	ZG	0.00	325.00	0.68	325.00
5	-848	-927	S	--	PP	ZG	0.00	325.00	0.68	325.00
5	-927	-1006	S	--	PP	ZG	0.00	325.00	0.68	325.00
5	-1006	-1116	S	--	PP	ZG	0.00	325.00	0.86	325.00
5	-1116	305	S	--	PP	ZG	0.00	325.00	0.50	325.00
6	6	-144	S	--	PP	ZG	0.00	325.00	0.60	325.00
6	-144	-282	S	--	PP	ZG	0.00	325.00	0.70	325.00
6	-282	106	S	--	PP	ZG	0.00	325.00	0.50	325.00
6	106	-419	S	--	PP	ZG	0.00	325.00	0.68	325.00
6	-419	-498	S	--	PP	ZG	0.00	325.00	0.68	325.00
6	-498	-577	S	--	PP	ZG	0.00	325.00	0.68	325.00
6	-577	-627	S	--	PP	ZG	0.00	325.00	0.43	325.00
6	-627	-688	S	--	PP	ZG	0.00	325.00	0.43	325.00
6	-688	206	S	--	PP	ZG	0.00	325.00	0.50	325.00
6	206	-849	S	--	PP	ZG	0.00	325.00	0.68	325.00
6	-849	-928	S	--	PP	ZG	0.00	325.00	0.68	325.00
6	-928	-1007	S	--	PP	ZG	0.00	325.00	0.68	325.00
6	-1007	-1057	S	--	PP	ZG	0.00	325.00	0.43	325.00
6	-1057	-1117	S	--	PP	ZG	0.00	325.00	0.43	325.00
6	-1117	306	S	--	PP	ZG	0.00	325.00	0.50	325.00
7	7	-145	S	--	PP	ZG	0.00	325.00	0.60	325.00
7	-145	-283	S	--	PP	ZG	0.00	325.00	0.70	325.00
7	-283	107	S	--	PP	ZG	0.00	325.00	0.50	325.00
7	107	-420	S	--	PP	ZG	0.00	325.00	0.68	325.00
7	-420	-499	S	--	PP	ZG	0.00	325.00	0.68	325.00
7	-499	-578	S	--	PP	ZG	0.00	325.00	0.68	325.00
7	-578	-628	S	--	PP	ZG	0.00	325.00	0.43	325.00
7	-628	-689	S	--	PP	ZG	0.00	325.00	0.43	325.00
7	-689	207	S	--	PP	ZG	0.00	325.00	0.50	325.00
7	207	-850	S	--	PP	ZG	0.00	325.00	0.68	325.00
7	-850	-929	S	--	PP	ZG	0.00	325.00	0.68	325.00
7	-929	-1008	S	--	PP	ZG	0.00	325.00	0.68	325.00
7	-1008	-1058	S	--	PP	ZG	0.00	325.00	0.43	325.00
7	-1058	-1118	S	--	PP	ZG	0.00	325.00	0.43	325.00
7	-1118	307	S	--	PP	ZG	0.00	325.00	0.50	325.00
9	9	-158	S	--	PP	ZG	0.00	200.00	0.60	200.00
9	-158	-227	S	--	PP	ZG	0.00	200.00	0.60	200.00
9	-227	109	S	--	PP	ZG	0.00	200.00	0.60	200.00
9	109	-433	S	--	PP	ZG	0.00	200.00	0.68	200.00
9	-433	-512	S	--	PP	ZG	0.00	200.00	0.68	200.00
9	-512	-591	S	--	PP	ZG	0.00	200.00	0.68	200.00
9	-591	-639	S	--	PP	ZG	0.00	200.00	0.68	200.00
9	-639	209	S	--	PP	ZG	0.00	200.00	0.68	200.00
9	209	-863	S	--	PP	ZG	0.00	200.00	0.68	200.00
9	-863	-942	S	--	PP	ZG	0.00	200.00	0.68	200.00
9	-942	-1021	S	--	PP	ZG	0.00	200.00	0.68	200.00
9	-1021	-1069	S	--	PP	ZG	0.00	200.00	0.68	200.00
9	-1069	309	S	--	PP	ZG	0.00	200.00	0.68	200.00
10	10	-159	S	--	PP	ZG	0.00	260.00	0.60	260.00
10	-159	-228	S	--	PP	ZG	0.00	260.00	0.60	260.00
10	-228	110	S	--	PP	ZG	0.00	260.00	0.60	260.00
10	110	-434	S	--	PP	ZG	0.00	260.00	0.68	260.00
10	-434	-513	S	--	PP	ZG	0.00	260.00	0.68	260.00
10	-513	-592	S	--	PP	ZG	0.00	260.00	0.68	260.00
10	-592	-640	S	--	PP	ZG	0.00	260.00	0.68	260.00

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10	-640	210	S	--	PP	ZG	0.00	260.00	0.68	260.00
10	210	-864	S	--	PP	ZG	0.00	260.00	0.68	260.00
10	-864	-943	S	--	PP	ZG	0.00	260.00	0.68	260.00
10	-943	-1022	S	--	PP	ZG	0.00	260.00	0.68	260.00
10	-1022	-1070	S	--	PP	ZG	0.00	260.00	0.68	260.00
10	-1070	310	S	--	PP	ZG	0.00	260.00	0.68	260.00
11	11	111	S	--	PP	ZG	0.00	42.59	1.80	42.59
11	111	211	S	--	PP	ZG	0.00	42.59	3.40	42.59
11	211	311	S	--	PP	ZG	0.00	42.59	3.40	42.59
12	12	-163	S	--	PP	ZG	0.00	260.00	0.60	260.00
12	-163	-232	S	--	PP	ZG	0.00	260.00	0.60	260.00
12	-232	112	S	--	PP	ZG	0.00	260.00	0.60	260.00
12	112	-438	S	--	PP	ZG	0.00	260.00	0.68	260.00
12	-438	-517	S	--	PP	ZG	0.00	260.00	0.68	260.00
12	-517	-596	S	--	PP	ZG	0.00	260.00	0.68	260.00
12	-596	-644	S	--	PP	ZG	0.00	260.00	0.68	260.00
12	-644	212	S	--	PP	ZG	0.00	260.00	0.68	260.00
12	212	-868	S	--	PP	ZG	0.00	260.00	0.68	260.00
12	-868	-947	S	--	PP	ZG	0.00	260.00	0.68	260.00
12	-947	-1026	S	--	PP	ZG	0.00	260.00	0.68	260.00
12	-1026	-1074	S	--	PP	ZG	0.00	260.00	0.68	260.00
12	-1074	312	S	--	PP	ZG	0.00	260.00	0.68	260.00
13	13	-166	S	--	PP	ZG	0.00	260.00	0.60	260.00
13	-166	-235	S	--	PP	ZG	0.00	260.00	0.60	260.00
13	-235	113	S	--	PP	ZG	0.00	260.00	0.60	260.00
13	113	-441	S	--	PP	ZG	0.00	260.00	0.68	260.00
13	-441	-520	S	--	PP	ZG	0.00	260.00	0.68	260.00
13	-520	-599	S	--	PP	ZG	0.00	260.00	0.68	260.00
13	-599	-647	S	--	PP	ZG	0.00	260.00	0.68	260.00
13	-647	213	S	--	PP	ZG	0.00	260.00	0.68	260.00
13	213	-871	S	--	PP	ZG	0.00	260.00	0.68	260.00
13	-871	-950	S	--	PP	ZG	0.00	260.00	0.68	260.00
13	-950	-1029	S	--	PP	ZG	0.00	260.00	0.68	260.00
13	-1029	-1077	S	--	PP	ZG	0.00	260.00	0.68	260.00
13	-1077	313	S	--	PP	ZG	0.00	260.00	0.68	260.00
15	15	-172	S	--	PP	ZG	0.00	200.00	0.60	200.00
15	-172	-241	S	--	PP	ZG	0.00	200.00	0.60	200.00
15	-241	115	S	--	PP	ZG	0.00	200.00	0.60	200.00
15	115	-459	S	--	PP	ZG	0.00	200.00	0.85	200.00
15	-459	-538	S	--	PP	ZG	0.00	200.00	0.85	200.00
15	-538	-631	S	--	PP	ZG	0.00	200.00	0.85	200.00
15	-631	215	S	--	PP	ZG	0.00	200.00	0.85	200.00
15	215	-889	S	--	PP	ZG	0.00	200.00	0.85	200.00
15	-889	-968	S	--	PP	ZG	0.00	200.00	0.85	200.00
15	-968	-1061	S	--	PP	ZG	0.00	200.00	0.85	200.00
15	-1061	315	S	--	PP	ZG	0.00	200.00	0.85	200.00
16	16	-174	S	--	PP	ZG	0.00	260.00	0.60	260.00
16	-174	-244	S	--	PP	ZG	0.00	260.00	0.60	260.00
16	-244	116	S	--	PP	ZG	0.00	260.00	0.60	260.00
16	116	-461	S	--	PP	ZG	0.00	260.00	0.85	260.00
16	-461	-540	S	--	PP	ZG	0.00	260.00	0.85	260.00
16	-540	-634	S	--	PP	ZG	0.00	260.00	0.85	260.00
16	-634	216	S	--	PP	ZG	0.00	260.00	0.85	260.00
16	216	-891	S	--	PP	ZG	0.00	260.00	0.85	260.00
16	-891	-970	S	--	PP	ZG	0.00	260.00	0.85	260.00
16	-970	-1064	S	--	PP	ZG	0.00	260.00	0.85	260.00
16	-1064	316	S	--	PP	ZG	0.00	260.00	0.85	260.00
17	17	-177	S	--	PP	ZG	0.00	260.00	0.60	260.00
17	-177	-247	S	--	PP	ZG	0.00	260.00	0.60	260.00
17	-247	117	S	--	PP	ZG	0.00	260.00	0.60	260.00
17	117	-464	S	--	PP	ZG	0.00	260.00	0.85	260.00
17	-464	-543	S	--	PP	ZG	0.00	260.00	0.85	260.00
17	-543	-637	S	--	PP	ZG	0.00	260.00	0.85	260.00
17	-637	217	S	--	PP	ZG	0.00	260.00	0.85	260.00
17	217	-894	S	--	PP	ZG	0.00	260.00	0.85	260.00
17	-894	-973	S	--	PP	ZG	0.00	260.00	0.85	260.00
17	-973	-1067	S	--	PP	ZG	0.00	260.00	0.85	260.00
17	-1067	317	S	--	PP	ZG	0.00	260.00	0.85	260.00
101	101	-1495	S	--	PP	ZG	0.00	480.00	0.26	480.00
101	-1495	-288	S	--	PP	ZG	0.00	480.00	0.54	480.00
101	-288	-289	S	--	PP	ZG	0.00	480.00	0.46	480.00
101	-289	-290	S	--	PP	ZG	0.00	480.00	4.76	480.00
101	-290	-291	S	--	PP	ZG	0.00	480.00	0.50	480.00
101	-291	-1556	S	--	PP	ZG	0.00	480.00	0.40	480.00
101	-1556	102	S	--	PP	ZG	0.00	480.00	0.13	480.00
101	102	-1557	S	--	PP	ZG	0.00	480.00	0.13	480.00
101	-1557	-292	S	--	PP	ZG	0.00	480.00	0.40	480.00
101	-292	-293	S	--	PP	ZG	0.00	480.00	0.50	480.00
101	-293	-294	S	--	PP	ZG	0.00	480.00	4.99	480.00

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101	-294	-295	S	--	PP	ZG	0.00	480.00	0.50	480.00
101	-295	-1603	S	--	PP	ZG	0.00	480.00	0.40	480.00
101	-1603	103	S	--	PP	ZG	0.00	480.00	0.13	480.00
101	103	-1596	S	--	PP	ZG	0.00	480.00	0.13	480.00
101	-1596	-296	S	--	PP	ZG	0.00	480.00	0.40	480.00
101	-296	-297	S	--	PP	ZG	0.00	480.00	0.50	480.00
101	-297	-298	S	--	PP	ZG	0.00	480.00	5.54	480.00
101	-298	-299	S	--	PP	ZG	0.00	480.00	0.45	480.00
101	-299	-1480	S	--	PP	ZG	0.00	480.00	0.55	480.00
101	-1480	104	S	--	PP	ZG	0.00	480.00	0.13	480.00
103	105	-328	S	--	PP	ZG	0.00	480.00	1.41	480.00
103	-328	-329	S	--	PP	ZG	0.00	480.00	4.23	480.00
103	-329	106	S	--	PP	ZG	0.00	480.00	1.41	480.00
103	106	-330	S	--	PP	ZG	0.00	480.00	1.41	480.00
103	-330	-331	S	--	PP	ZG	0.00	480.00	4.23	480.00
103	-331	107	S	--	PP	ZG	0.00	480.00	1.41	480.00
103	107	-332	S	--	PP	ZG	0.00	480.00	2.71	480.00
103	-332	-333	S	--	PP	ZG	0.00	480.00	0.63	480.00
103	-333	-334	S	--	PP	ZG	0.00	480.00	0.63	480.00
103	-334	-335	S	--	PP	ZG	0.00	480.00	0.63	480.00
103	-335	-336	S	--	PP	ZG	0.00	480.00	0.63	480.00
103	-336	-337	S	--	PP	ZG	0.00	480.00	0.63	480.00
103	-337	-338	S	--	PP	ZG	0.00	480.00	0.63	480.00
103	-338	-339	S	--	PP	ZG	0.00	480.00	0.63	480.00
103	-339	108	S	--	PP	ZG	0.00	480.00	0.63	480.00
104	109	-348	S	--	PP	ZG	0.00	600.00	0.98	600.00
104	-348	-349	S	--	PP	ZG	0.00	600.00	2.94	600.00
104	-349	110	S	--	PP	ZG	0.00	600.00	0.98	600.00
104	110	-350	S	--	PP	ZG	0.00	420.00	0.47	420.00
104	-350	-351	S	--	PP	ZG	0.00	420.00	0.53	420.00
104	-351	111	S	--	PP	ZG	0.00	420.00	1.15	420.00
104	111	-352	S	--	PP	ZG	0.00	420.00	0.52	420.00
104	-352	-353	S	--	PP	ZG	0.00	420.00	1.55	420.00
104	-353	-1664	S	--	PP	ZG	0.00	420.00	0.43	420.00
104	-1664	112	S	--	PP	ZG	0.00	420.00	0.10	420.00
104	-1671	112	S	--	PP	ZG	0.00	420.00	0.10	420.00
104	-354	-1671	S	--	PP	ZG	0.00	420.00	0.43	420.00
104	-355	-354	S	--	PP	ZG	0.00	420.00	3.39	420.00
104	-1639	-355	S	--	PP	ZG	0.00	420.00	0.40	420.00
104	113	-1639	S	--	PP	ZG	0.00	420.00	0.13	420.00
104	113	-1638	S	--	PP	ZG	0.00	420.00	0.13	420.00
104	-1638	-356	S	--	PP	ZG	0.00	420.00	0.40	420.00
104	-356	-357	S	--	PP	ZG	0.00	420.00	5.63	420.00
104	-357	-358	S	--	PP	ZG	0.00	420.00	0.60	420.00
104	-358	-359	S	--	PP	ZG	0.00	420.00	0.43	420.00
104	-359	-1629	S	--	PP	ZG	0.00	420.00	0.37	420.00
104	-1629	114	S	--	PP	ZG	0.00	420.00	0.14	420.00
105	115	-1541	S	--	PP	ZG	0.00	420.00	0.25	420.00
105	-1541	-364	S	--	PP	ZG	0.00	420.00	0.25	420.00
105	-364	-365	S	--	PP	ZG	0.00	420.00	1.46	420.00
105	-365	-366	S	--	PP	ZG	0.00	420.00	0.98	420.00
105	-366	-367	S	--	PP	ZG	0.00	420.00	1.46	420.00
105	-367	116	S	--	PP	ZG	0.00	420.00	0.50	420.00
105	116	-368	S	--	PP	ZG	0.00	420.00	0.50	420.00
105	-368	-369	S	--	PP	ZG	0.00	420.00	1.40	420.00
105	-369	-370	S	--	PP	ZG	0.00	420.00	0.95	420.00
105	-370	-371	S	--	PP	ZG	0.00	420.00	1.40	420.00
105	-371	117	S	--	PP	ZG	0.00	420.00	0.50	420.00
106	119	118	S	--	PP	ZG	0.00	280.00	4.15	280.00
107	-304	-300	S	--	PP	ZG	0.00	390.00	0.63	390.00
107	-308	-304	S	--	PP	ZG	0.00	390.00	0.63	390.00
107	-312	-308	S	--	PP	ZG	0.00	390.00	0.63	390.00
107	-314	-312	S	--	PP	ZG	0.00	390.00	0.63	390.00
107	-316	-314	S	--	PP	ZG	0.00	390.00	0.63	390.00
107	-318	-316	S	--	PP	ZG	0.00	390.00	0.63	390.00
107	-320	-318	S	--	PP	ZG	0.00	390.00	0.63	390.00
107	-324	-320	S	--	PP	ZG	0.00	390.00	0.63	390.00
107	105	-324	S	--	PP	ZG	0.00	390.00	0.63	390.00
107	-347	105	S	--	PP	ZG	0.00	390.00	2.67	390.00
107	-1525	-347	S	--	PP	ZG	0.00	390.00	0.40	390.00
107	109	-1525	S	--	PP	ZG	0.00	390.00	0.20	390.00
107	109	-1511	S	--	PP	ZG	0.00	390.00	0.20	390.00
107	-1511	-360	S	--	PP	ZG	0.00	390.00	0.40	390.00
107	-360	-363	S	--	PP	ZG	0.00	390.00	2.30	390.00
107	-363	115	S	--	PP	ZG	0.00	390.00	0.40	390.00
107	115	-372	S	--	PP	ZG	0.00	390.00	0.40	390.00
107	-372	-373	S	--	PP	ZG	0.00	390.00	2.06	390.00
107	-373	-1344	S	--	PP	ZG	0.00	390.00	0.81	390.00
107	-1344	-1348	S	--	PP	ZG	0.00	390.00	0.69	390.00

Relazione di calcolo

107	-1348	118	S	--	PP	ZG	0.00	390.00	0.29	390.00
110	-1363	102	S	--	PP	ZG	0.00	390.00	0.72	390.00
110	-302	-1363	S	--	PP	ZG	0.00	390.00	0.70	390.00
110	-306	-302	S	--	PP	ZG	0.00	390.00	0.57	390.00
110	-310	-306	S	--	PP	ZG	0.00	390.00	0.63	390.00
110	-321	-310	S	--	PP	ZG	0.00	390.00	2.17	390.00
110	-325	-321	S	--	PP	ZG	0.00	390.00	0.56	390.00
110	-1397	-325	S	--	PP	ZG	0.00	390.00	0.70	390.00
110	106	-1397	S	--	PP	ZG	0.00	390.00	0.25	390.00
110	-1390	106	S	--	PP	ZG	0.00	312.00	0.25	312.00
110	-340	-1390	S	--	PP	ZG	0.00	312.00	0.70	312.00
110	-343	-340	S	--	PP	ZG	0.00	312.00	0.50	312.00
110	-345	-343	S	--	PP	ZG	0.00	312.00	1.17	312.00
110	111	-345	S	--	PP	ZG	0.00	312.00	0.66	312.00
111	117	112	S	--	PP	ZG	0.00	480.00	3.30	480.00
111	117	120	S	--	PP	ZG	0.00	480.00	4.25	480.00
112	-1413	103	S	--	PP	ZG	0.00	390.00	0.72	390.00
112	-303	-1413	S	--	PP	ZG	0.00	390.00	0.70	390.00
112	-307	-303	S	--	PP	ZG	0.00	390.00	0.57	390.00
112	-311	-307	S	--	PP	ZG	0.00	390.00	0.63	390.00
112	-322	-311	S	--	PP	ZG	0.00	390.00	2.17	390.00
112	-326	-322	S	--	PP	ZG	0.00	390.00	0.56	390.00
112	-1429	-326	S	--	PP	ZG	0.00	390.00	0.70	390.00
112	107	-1429	S	--	PP	ZG	0.00	390.00	0.25	390.00
112	-1454	107	S	--	PP	ZG	0.00	312.00	0.25	312.00
112	-341	-1454	S	--	PP	ZG	0.00	312.00	0.70	312.00
112	-344	-341	S	--	PP	ZG	0.00	312.00	0.49	312.00
112	113	-344	S	--	PP	ZG	0.00	312.00	1.83	312.00
113	-342	108	S	--	PP	ZG	0.00	280.00	0.66	280.00
113	-346	-342	S	--	PP	ZG	0.00	280.00	1.97	280.00
113	114	-346	S	--	PP	ZG	0.00	280.00	0.66	280.00
115	110	-361	S	--	PP	ZG	0.00	480.00	0.66	480.00
115	-362	-361	S	--	PP	ZG	0.00	480.00	1.98	480.00
115	-362	116	S	--	PP	ZG	0.00	480.00	0.66	480.00
115	116	119	S	--	PP	ZG	0.00	480.00	4.32	480.00
201	201	-1500	S	--	PP	ZG	0.00	480.00	0.26	480.00
201	-1500	-718	S	--	PP	ZG	0.00	480.00	0.54	480.00
201	-718	-719	S	--	PP	ZG	0.00	480.00	0.50	480.00
201	-719	-720	S	--	PP	ZG	0.00	480.00	4.72	480.00
201	-720	-721	S	--	PP	ZG	0.00	480.00	0.50	480.00
201	-721	-1568	S	--	PP	ZG	0.00	480.00	0.40	480.00
201	-1568	202	S	--	PP	ZG	0.00	480.00	0.13	480.00
201	202	-1569	S	--	PP	ZG	0.00	480.00	0.13	480.00
201	-1569	-722	S	--	PP	ZG	0.00	480.00	0.40	480.00
201	-722	-723	S	--	PP	ZG	0.00	480.00	0.50	480.00
201	-723	-724	S	--	PP	ZG	0.00	480.00	4.99	480.00
201	-724	-725	S	--	PP	ZG	0.00	480.00	0.50	480.00
201	-725	-1609	S	--	PP	ZG	0.00	480.00	0.40	480.00
201	-1609	203	S	--	PP	ZG	0.00	480.00	0.13	480.00
201	203	-1590	S	--	PP	ZG	0.00	480.00	0.13	480.00
201	-1590	-726	S	--	PP	ZG	0.00	480.00	0.40	480.00
201	-726	-727	S	--	PP	ZG	0.00	480.00	0.50	480.00
201	-727	-728	S	--	PP	ZG	0.00	480.00	5.50	480.00
201	-728	-729	S	--	PP	ZG	0.00	480.00	0.50	480.00
201	-729	-1485	S	--	PP	ZG	0.00	480.00	0.55	480.00
201	-1485	204	S	--	PP	ZG	0.00	480.00	0.13	480.00
203	205	-758	S	--	PP	ZG	0.00	480.00	1.41	480.00
203	-758	-759	S	--	PP	ZG	0.00	480.00	4.23	480.00
203	-759	206	S	--	PP	ZG	0.00	480.00	1.41	480.00
203	206	-760	S	--	PP	ZG	0.00	480.00	1.41	480.00
203	-760	-761	S	--	PP	ZG	0.00	480.00	4.23	480.00
203	-761	207	S	--	PP	ZG	0.00	480.00	1.41	480.00
203	207	-762	S	--	PP	ZG	0.00	480.00	2.71	480.00
203	-762	-763	S	--	PP	ZG	0.00	480.00	0.63	480.00
203	-763	-764	S	--	PP	ZG	0.00	480.00	0.63	480.00
203	-764	-765	S	--	PP	ZG	0.00	480.00	0.63	480.00
203	-765	-766	S	--	PP	ZG	0.00	480.00	0.63	480.00
203	-766	-767	S	--	PP	ZG	0.00	480.00	0.63	480.00
203	-767	-768	S	--	PP	ZG	0.00	480.00	0.63	480.00
203	-768	-769	S	--	PP	ZG	0.00	480.00	0.63	480.00
203	-769	208	S	--	PP	ZG	0.00	480.00	0.63	480.00
204	209	-778	S	--	PP	ZG	0.00	600.00	0.98	600.00
204	-778	-779	S	--	PP	ZG	0.00	600.00	2.94	600.00
204	-779	210	S	--	PP	ZG	0.00	600.00	0.98	600.00
204	210	-780	S	--	PP	ZG	0.00	420.00	0.47	420.00
204	-780	-781	S	--	PP	ZG	0.00	420.00	0.53	420.00
204	-781	211	S	--	PP	ZG	0.00	420.00	1.15	420.00
204	211	-782	S	--	PP	ZG	0.00	420.00	0.52	420.00
204	-782	-783	S	--	PP	ZG	0.00	420.00	1.55	420.00

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204	-783	-1666	S	--	PP	ZG	0.00	420.00	0.43	420.00
204	-1666	212	S	--	PP	ZG	0.00	420.00	0.10	420.00
204	-1679	212	S	--	PP	ZG	0.00	420.00	0.10	420.00
204	-784	-1679	S	--	PP	ZG	0.00	420.00	0.43	420.00
204	-785	-784	S	--	PP	ZG	0.00	420.00	3.39	420.00
204	-1642	-785	S	--	PP	ZG	0.00	420.00	0.40	420.00
204	213	-1642	S	--	PP	ZG	0.00	420.00	0.13	420.00
204	213	-1648	S	--	PP	ZG	0.00	420.00	0.13	420.00
204	-1648	-786	S	--	PP	ZG	0.00	420.00	0.40	420.00
204	-786	-787	S	--	PP	ZG	0.00	420.00	5.63	420.00
204	-787	-788	S	--	PP	ZG	0.00	420.00	0.60	420.00
204	-788	-789	S	--	PP	ZG	0.00	420.00	0.43	420.00
204	-789	-1624	S	--	PP	ZG	0.00	420.00	0.37	420.00
204	-1624	214	S	--	PP	ZG	0.00	420.00	0.14	420.00
205	215	-1545	S	--	PP	ZG	0.00	420.00	0.25	420.00
205	-1545	-794	S	--	PP	ZG	0.00	420.00	0.25	420.00
205	-794	-795	S	--	PP	ZG	0.00	420.00	1.46	420.00
205	-795	-796	S	--	PP	ZG	0.00	420.00	0.98	420.00
205	-796	-797	S	--	PP	ZG	0.00	420.00	1.46	420.00
205	-797	216	S	--	PP	ZG	0.00	420.00	0.50	420.00
205	216	-798	S	--	PP	ZG	0.00	420.00	0.50	420.00
205	-798	-799	S	--	PP	ZG	0.00	420.00	1.40	420.00
205	-799	-800	S	--	PP	ZG	0.00	420.00	0.95	420.00
205	-800	-801	S	--	PP	ZG	0.00	420.00	1.40	420.00
205	-801	217	S	--	PP	ZG	0.00	420.00	0.50	420.00
206	219	218	S	--	PP	ZG	0.00	280.00	4.15	280.00
207	-730	201	S	--	PP	ZG	0.00	390.00	0.63	390.00
207	-734	-730	S	--	PP	ZG	0.00	390.00	0.63	390.00
207	-738	-734	S	--	PP	ZG	0.00	390.00	0.63	390.00
207	-742	-738	S	--	PP	ZG	0.00	390.00	0.63	390.00
207	-744	-742	S	--	PP	ZG	0.00	390.00	0.63	390.00
207	-746	-744	S	--	PP	ZG	0.00	390.00	0.63	390.00
207	-748	-746	S	--	PP	ZG	0.00	390.00	0.63	390.00
207	-750	-748	S	--	PP	ZG	0.00	390.00	0.63	390.00
207	-754	-750	S	--	PP	ZG	0.00	390.00	0.63	390.00
207	205	-754	S	--	PP	ZG	0.00	390.00	0.63	390.00
207	-777	205	S	--	PP	ZG	0.00	390.00	2.67	390.00
207	-1530	-777	S	--	PP	ZG	0.00	390.00	0.40	390.00
207	209	-1530	S	--	PP	ZG	0.00	390.00	0.20	390.00
207	209	-1516	S	--	PP	ZG	0.00	390.00	0.20	390.00
207	-1516	-790	S	--	PP	ZG	0.00	390.00	0.40	390.00
207	-790	-793	S	--	PP	ZG	0.00	390.00	2.30	390.00
207	-793	215	S	--	PP	ZG	0.00	390.00	0.40	390.00
207	215	-802	S	--	PP	ZG	0.00	390.00	0.40	390.00
207	-802	-803	S	--	PP	ZG	0.00	390.00	2.36	390.00
207	-803	-804	S	--	PP	ZG	0.00	390.00	0.51	390.00
207	-804	-1353	S	--	PP	ZG	0.00	390.00	0.69	390.00
207	-1353	218	S	--	PP	ZG	0.00	390.00	0.29	390.00
210	-1369	202	S	--	PP	ZG	0.00	390.00	0.72	390.00
210	-732	-1369	S	--	PP	ZG	0.00	390.00	0.70	390.00
210	-740	-732	S	--	PP	ZG	0.00	390.00	0.70	390.00
210	-751	-740	S	--	PP	ZG	0.00	390.00	2.60	390.00
210	-755	-751	S	--	PP	ZG	0.00	390.00	0.63	390.00
210	-1403	-755	S	--	PP	ZG	0.00	390.00	0.70	390.00
210	206	-1403	S	--	PP	ZG	0.00	390.00	0.25	390.00
210	-1384	206	S	--	PP	ZG	0.00	312.00	0.25	312.00
210	-770	-1384	S	--	PP	ZG	0.00	312.00	0.70	312.00
210	-773	-770	S	--	PP	ZG	0.00	312.00	0.50	312.00
210	-775	-773	S	--	PP	ZG	0.00	312.00	1.17	312.00
210	211	-775	S	--	PP	ZG	0.00	312.00	0.66	312.00
211	217	212	S	--	PP	ZG	0.00	480.00	3.30	480.00
211	217	220	S	--	PP	ZG	0.00	480.00	4.25	480.00
212	-1419	203	S	--	PP	ZG	0.00	390.00	0.72	390.00
212	-733	-1419	S	--	PP	ZG	0.00	390.00	0.70	390.00
212	-737	-733	S	--	PP	ZG	0.00	390.00	0.72	390.00
212	-752	-737	S	--	PP	ZG	0.00	390.00	2.64	390.00
212	-756	-752	S	--	PP	ZG	0.00	390.00	0.56	390.00
212	-1435	-756	S	--	PP	ZG	0.00	390.00	0.70	390.00
212	207	-1435	S	--	PP	ZG	0.00	390.00	0.25	390.00
212	-1448	207	S	--	PP	ZG	0.00	312.00	0.25	312.00
212	-771	-1448	S	--	PP	ZG	0.00	312.00	0.70	312.00
212	-774	-771	S	--	PP	ZG	0.00	312.00	0.49	312.00
212	213	-774	S	--	PP	ZG	0.00	312.00	1.83	312.00
213	-772	208	S	--	PP	ZG	0.00	280.00	0.66	280.00
213	-776	-772	S	--	PP	ZG	0.00	280.00	1.97	280.00
213	214	-776	S	--	PP	ZG	0.00	280.00	0.66	280.00
215	210	-791	S	--	PP	ZG	0.00	480.00	0.66	480.00
215	-791	-792	S	--	PP	ZG	0.00	480.00	1.98	480.00
215	-792	216	S	--	PP	ZG	0.00	480.00	0.66	480.00

Relazione di calcolo

215	216	219	S	--	PP	ZG	0.00	480.00	4.32	480.00
301	301	-1505	S	--	PP	ZG	0.00	390.00	0.26	390.00
301	-1505	-1147	S	--	PP	ZG	0.00	390.00	0.54	390.00
301	-1147	-1148	S	--	PP	ZG	0.00	390.00	0.50	390.00
301	-1148	-1149	S	--	PP	ZG	0.00	390.00	1.63	390.00
301	-1149	-1150	S	--	PP	ZG	0.00	390.00	1.20	390.00
301	-1150	-1151	S	--	PP	ZG	0.00	390.00	1.90	390.00
301	-1151	-1152	S	--	PP	ZG	0.00	390.00	0.50	390.00
301	-1152	-1616	S	--	PP	ZG	0.00	390.00	0.40	390.00
301	-1616	302	S	--	PP	ZG	0.00	390.00	0.13	390.00
301	302	-1614	S	--	PP	ZG	0.00	390.00	0.13	390.00
301	-1614	-1153	S	--	PP	ZG	0.00	390.00	0.40	390.00
301	-1153	-1154	S	--	PP	ZG	0.00	390.00	0.50	390.00
301	-1154	-1155	S	--	PP	ZG	0.00	390.00	1.90	390.00
301	-1155	-1156	S	--	PP	ZG	0.00	390.00	1.20	390.00
301	-1156	-1157	S	--	PP	ZG	0.00	390.00	1.90	390.00
301	-1157	-1158	S	--	PP	ZG	0.00	390.00	0.50	390.00
301	-1158	-1617	S	--	PP	ZG	0.00	390.00	0.40	390.00
301	-1617	303	S	--	PP	ZG	0.00	390.00	0.13	390.00
301	303	-1615	S	--	PP	ZG	0.00	390.00	0.13	390.00
301	-1615	-1159	S	--	PP	ZG	0.00	390.00	0.40	390.00
301	-1159	-1160	S	--	PP	ZG	0.00	390.00	0.50	390.00
301	-1160	-1161	S	--	PP	ZG	0.00	390.00	2.16	390.00
301	-1161	-1162	S	--	PP	ZG	0.00	390.00	1.33	390.00
301	-1162	-1163	S	--	PP	ZG	0.00	390.00	2.01	390.00
301	-1163	-1164	S	--	PP	ZG	0.00	390.00	0.50	390.00
301	-1164	-1490	S	--	PP	ZG	0.00	390.00	0.55	390.00
301	-1490	304	S	--	PP	ZG	0.00	390.00	0.13	390.00
303	305	-1193	S	--	PP	ZG	0.00	390.00	1.41	390.00
303	-1193	-1194	S	--	PP	ZG	0.00	390.00	1.41	390.00
303	-1194	-1195	S	--	PP	ZG	0.00	390.00	1.41	390.00
303	-1195	-1196	S	--	PP	ZG	0.00	390.00	1.41	390.00
303	-1196	306	S	--	PP	ZG	0.00	390.00	1.41	390.00
303	306	-1197	S	--	PP	ZG	0.00	390.00	1.41	390.00
303	-1197	-1198	S	--	PP	ZG	0.00	390.00	1.41	390.00
303	-1198	-1199	S	--	PP	ZG	0.00	390.00	1.41	390.00
303	-1199	-1200	S	--	PP	ZG	0.00	390.00	1.41	390.00
303	-1200	307	S	--	PP	ZG	0.00	390.00	1.41	390.00
303	307	-1201	S	--	PP	ZG	0.00	390.00	2.71	390.00
303	-1201	-1202	S	--	PP	ZG	0.00	390.00	0.63	390.00
303	-1202	-1203	S	--	PP	ZG	0.00	390.00	0.63	390.00
303	-1203	-1204	S	--	PP	ZG	0.00	390.00	0.63	390.00
303	-1204	-1205	S	--	PP	ZG	0.00	390.00	0.63	390.00
303	-1205	-1206	S	--	PP	ZG	0.00	390.00	0.63	390.00
303	-1206	-1207	S	--	PP	ZG	0.00	390.00	0.63	390.00
303	-1207	-1208	S	--	PP	ZG	0.00	390.00	0.63	390.00
303	-1208	308	S	--	PP	ZG	0.00	390.00	0.63	390.00
304	309	-1217	S	--	PP	ZG	0.00	390.00	0.98	390.00
304	-1217	-1218	S	--	PP	ZG	0.00	390.00	0.98	390.00
304	-1218	-1219	S	--	PP	ZG	0.00	390.00	0.98	390.00
304	-1219	-1220	S	--	PP	ZG	0.00	390.00	0.98	390.00
304	-1220	310	S	--	PP	ZG	0.00	390.00	0.98	390.00
304	310	-1221	S	--	PP	ZG	0.00	390.00	0.47	390.00
304	-1221	-1222	S	--	PP	ZG	0.00	390.00	0.53	390.00
304	-1222	311	S	--	PP	ZG	0.00	390.00	1.15	390.00
304	311	-1223	S	--	PP	ZG	0.00	390.00	0.52	390.00
304	-1223	-1224	S	--	PP	ZG	0.00	390.00	1.55	390.00
304	-1224	-1683	S	--	PP	ZG	0.00	390.00	0.43	390.00
304	-1683	312	S	--	PP	ZG	0.00	390.00	0.10	390.00
304	-1688	312	S	--	PP	ZG	0.00	390.00	0.10	390.00
304	-1225	-1688	S	--	PP	ZG	0.00	390.00	0.43	390.00
304	-1226	-1225	S	--	PP	ZG	0.00	390.00	3.39	390.00
304	-1647	-1226	S	--	PP	ZG	0.00	390.00	0.40	390.00
304	313	-1647	S	--	PP	ZG	0.00	390.00	0.13	390.00
304	313	-1653	S	--	PP	ZG	0.00	390.00	0.13	390.00
304	-1653	-1227	S	--	PP	ZG	0.00	390.00	0.40	390.00
304	-1227	-1228	S	--	PP	ZG	0.00	390.00	2.55	390.00
304	-1228	-1229	S	--	PP	ZG	0.00	390.00	1.54	390.00
304	-1229	-1230	S	--	PP	ZG	0.00	390.00	1.54	390.00
304	-1230	-1231	S	--	PP	ZG	0.00	390.00	0.60	390.00
304	-1231	-1232	S	--	PP	ZG	0.00	390.00	0.43	390.00
304	-1232	-1620	S	--	PP	ZG	0.00	390.00	0.37	390.00
304	-1620	314	S	--	PP	ZG	0.00	390.00	0.14	390.00
305	316	-1244	S	--	PP	ZG	0.00	240.00	0.50	240.00
305	-1244	-1245	S	--	PP	ZG	0.00	240.00	3.75	240.00
305	-1245	317	S	--	PP	ZG	0.00	240.00	0.50	240.00
306	319	318	S	--	PP	ZG	0.00	280.00	4.15	280.00
307	-1165	301	S	--	PP	ZG	0.00	390.00	0.63	390.00
307	-1169	-1165	S	--	PP	ZG	0.00	390.00	0.63	390.00

Relazione di calcolo

307	-1173	-1169	S	--	PP	ZG	0.00	390.00	0.63	390.00
307	-1177	-1173	S	--	PP	ZG	0.00	390.00	0.63	390.00
307	-1179	-1177	S	--	PP	ZG	0.00	390.00	0.63	390.00
307	-1181	-1179	S	--	PP	ZG	0.00	390.00	0.63	390.00
307	-1183	-1181	S	--	PP	ZG	0.00	390.00	0.63	390.00
307	-1185	-1183	S	--	PP	ZG	0.00	390.00	0.63	390.00
307	-1189	-1185	S	--	PP	ZG	0.00	390.00	0.63	390.00
307	305	-1189	S	--	PP	ZG	0.00	390.00	0.63	390.00
307	-1211	305	S	--	PP	ZG	0.00	390.00	0.66	390.00
307	-1216	-1211	S	--	PP	ZG	0.00	390.00	2.02	390.00
307	-1535	-1216	S	--	PP	ZG	0.00	390.00	0.40	390.00
307	309	-1535	S	--	PP	ZG	0.00	390.00	0.20	390.00
307	309	-1236	S	--	PP	ZG	0.00	390.00	1.10	390.00
307	-1236	-1241	S	--	PP	ZG	0.00	390.00	1.80	390.00
307	-1241	315	S	--	PP	ZG	0.00	390.00	0.40	390.00
307	315	-1246	S	--	PP	ZG	0.00	390.00	0.40	390.00
307	-1246	-1251	S	--	PP	ZG	0.00	390.00	2.36	390.00
307	-1251	-1253	S	--	PP	ZG	0.00	390.00	0.51	390.00
307	-1253	-1358	S	--	PP	ZG	0.00	390.00	0.69	390.00
307	-1358	318	S	--	PP	ZG	0.00	390.00	0.29	390.00
310	-1375	302	S	--	PP	ZG	0.00	390.00	0.72	390.00
310	-1167	-1375	S	--	PP	ZG	0.00	390.00	0.70	390.00
310	-1175	-1167	S	--	PP	ZG	0.00	390.00	0.70	390.00
310	-1186	-1175	S	--	PP	ZG	0.00	390.00	2.60	390.00
310	-1190	-1186	S	--	PP	ZG	0.00	390.00	0.63	390.00
310	-1409	-1190	S	--	PP	ZG	0.00	390.00	0.70	390.00
310	306	-1409	S	--	PP	ZG	0.00	390.00	0.25	390.00
310	-1379	306	S	--	PP	ZG	0.00	390.00	0.25	390.00
310	-1209	-1379	S	--	PP	ZG	0.00	390.00	0.70	390.00
310	-1213	-1209	S	--	PP	ZG	0.00	390.00	0.50	390.00
310	311	-1213	S	--	PP	ZG	0.00	390.00	1.82	390.00
311	-1235	312	S	--	PP	ZG	0.00	390.00	0.66	390.00
311	-1237	-1235	S	--	PP	ZG	0.00	390.00	0.66	390.00
311	-1238	-1237	S	--	PP	ZG	0.00	390.00	0.66	390.00
311	-1240	-1238	S	--	PP	ZG	0.00	390.00	0.82	390.00
311	317	-1240	S	--	PP	ZG	0.00	390.00	0.50	390.00
311	317	-1247	S	--	PP	ZG	0.00	390.00	0.85	390.00
311	-1247	-1249	S	--	PP	ZG	0.00	390.00	0.85	390.00
311	-1249	-1250	S	--	PP	ZG	0.00	390.00	0.85	390.00
311	-1250	-1254	S	--	PP	ZG	0.00	390.00	0.85	390.00
311	-1254	320	S	--	PP	ZG	0.00	390.00	0.85	390.00
312	-1187	-1172	S	--	PP	ZG	0.00	6.00	2.64	6.00
312	313	-1191	S	--	PP	ZG	0.00	6.00	4.22	6.00
313	-1212	308	S	--	PP	ZG	0.00	200.00	0.66	200.00
313	-1215	-1212	S	--	PP	ZG	0.00	200.00	1.97	200.00
313	314	-1215	S	--	PP	ZG	0.00	200.00	0.66	200.00
314	301	312	S	--	PP	ZG	0.00	5.96	13.59	5.96
315	310	-1234	S	--	PP	ZG	0.00	390.00	0.66	390.00
315	-1234	-1239	S	--	PP	ZG	0.00	390.00	1.98	390.00
315	-1239	316	S	--	PP	ZG	0.00	390.00	0.66	390.00
315	316	-1248	S	--	PP	ZG	0.00	390.00	1.44	390.00
315	-1248	-1252	S	--	PP	ZG	0.00	390.00	1.44	390.00
315	-1252	319	S	--	PP	ZG	0.00	390.00	1.44	390.00
325	-1167	-1190	S	--	PP	ZG	0.00	6.00	3.92	6.00
325	-1190	311	S	--	PP	ZG	0.00	6.00	4.22	6.00
327	-1425	303	S	--	PP	ZG	0.00	390.00	0.72	390.00
327	-1168	-1425	S	--	PP	ZG	0.00	390.00	0.70	390.00
327	-1172	-1168	S	--	PP	ZG	0.00	390.00	0.72	390.00
327	-1191	-1187	S	--	PP	ZG	0.00	390.00	0.56	390.00
327	-1441	-1191	S	--	PP	ZG	0.00	390.00	0.70	390.00
327	307	-1441	S	--	PP	ZG	0.00	390.00	0.25	390.00
327	-1443	307	S	--	PP	ZG	0.00	390.00	0.25	390.00
327	-1210	-1443	S	--	PP	ZG	0.00	390.00	0.70	390.00
327	-1214	-1210	S	--	PP	ZG	0.00	390.00	0.49	390.00
327	313	-1214	S	--	PP	ZG	0.00	390.00	1.83	390.00
402	402	401	S	--	PP	ZG	0.00	325.00	2.23	325.00
402	403	402	S	--	PP	ZG	0.00	325.00	7.05	325.00
402	404	403	S	--	PP	ZG	0.00	325.00	7.71	325.00
404	405	309	S	--	PP	ZG	0.00	225.00	5.68	225.00
404	312	405	S	--	PP	ZG	0.00	225.00	5.68	225.00
406	318	-1331	S	--	PP	ZG	0.00	300.00	4.85	300.00
406	-1331	406	S	--	PP	ZG	0.00	300.00	0.83	300.00
408	405	401	S	--	PP	ZG	0.00	325.00	4.79	325.00
408	406	405	S	--	PP	ZG	0.00	325.00	7.55	325.00
409	-1314	402	S	--	PP	ZG	0.00	225.00	2.60	225.00
409	311	-1314	S	--	PP	ZG	0.00	225.00	3.05	225.00
410	302	402	S	--	PP	ZG	0.00	225.00	5.65	225.00
412	303	403	S	--	PP	ZG	0.00	225.00	5.65	225.00
412	403	313	S	--	PP	ZG	0.00	225.00	5.65	225.00

Relazione di calcolo

413	404	-1330	S	--	PP	ZG	0.00	300.00	0.94	300.00
413	-1330	-1322	S	--	PP	ZG	0.00	300.00	0.94	300.00
413	-1322	314	S	--	PP	ZG	0.00	300.00	3.77	300.00
414	301	401	S	--	PP	ZG	0.00	390.00	7.43	390.00
414	401	-1314	S	--	PP	ZG	0.00	390.00	3.42	390.00
414	-1314	312	S	--	PP	ZG	0.00	390.00	4.01	390.00
601	1	-1506	S	--	PP	ZG	0.00	1925.00	0.26	1925.00
601	-1506	-1	S	--	PP	ZG	0.00	1925.00	0.54	1925.00
601	-1	-2	S	--	PP	ZG	0.00	1925.00	0.46	1925.00
601	-2	-3	S	--	PP	ZG	0.00	1925.00	0.75	1925.00
601	-3	-4	S	--	PP	ZG	0.00	1925.00	3.02	1925.00
601	-4	-5	S	--	PP	ZG	0.00	1925.00	0.98	1925.00
601	-5	-6	S	--	PP	ZG	0.00	1925.00	0.50	1925.00
601	-6	-1550	S	--	PP	ZG	0.00	1925.00	0.40	1925.00
601	-1550	2	S	--	PP	ZG	0.00	1925.00	0.13	1925.00
601	2	-1552	S	--	PP	ZG	0.00	1925.00	0.13	1925.00
601	-1552	-7	S	--	PP	ZG	0.00	1925.00	0.40	1925.00
601	-7	-8	S	--	PP	ZG	0.00	1925.00	0.50	1925.00
601	-8	-9	S	--	PP	ZG	0.00	1925.00	0.98	1925.00
601	-9	-10	S	--	PP	ZG	0.00	1925.00	3.02	1925.00
601	-10	-11	S	--	PP	ZG	0.00	1925.00	0.98	1925.00
601	-11	-12	S	--	PP	ZG	0.00	1925.00	0.50	1925.00
601	-12	-1600	S	--	PP	ZG	0.00	1925.00	0.40	1925.00
601	-1600	3	S	--	PP	ZG	0.00	1925.00	0.13	1925.00
601	3	-1599	S	--	PP	ZG	0.00	1925.00	0.13	1925.00
601	-1599	-13	S	--	PP	ZG	0.00	1925.00	0.40	1925.00
601	-13	-14	S	--	PP	ZG	0.00	1925.00	0.50	1925.00
601	-14	-15	S	--	PP	ZG	0.00	1925.00	1.17	1925.00
601	-15	-16	S	--	PP	ZG	0.00	1925.00	3.30	1925.00
601	-16	-17	S	--	PP	ZG	0.00	1925.00	1.07	1925.00
601	-17	-18	S	--	PP	ZG	0.00	1925.00	0.45	1925.00
601	-18	-1477	S	--	PP	ZG	0.00	1925.00	0.55	1925.00
601	-1477	4	S	--	PP	ZG	0.00	1925.00	0.13	1925.00
603	-45	7	S	--	PP	ZG	0.00	1650.00	0.68	1650.00
603	-46	-45	S	--	PP	ZG	0.00	1650.00	1.35	1650.00
603	-47	-46	S	--	PP	ZG	0.00	1650.00	0.68	1650.00
603	-48	-47	S	--	PP	ZG	0.00	1650.00	0.63	1650.00
603	-49	-48	S	--	PP	ZG	0.00	1650.00	0.63	1650.00
603	-50	-49	S	--	PP	ZG	0.00	1650.00	0.63	1650.00
603	-51	-50	S	--	PP	ZG	0.00	1650.00	0.63	1650.00
603	-52	-51	S	--	PP	ZG	0.00	1650.00	0.63	1650.00
603	-53	-52	S	--	PP	ZG	0.00	1650.00	0.63	1650.00
603	-54	-53	S	--	PP	ZG	0.00	1650.00	0.63	1650.00
603	8	-54	S	--	PP	ZG	0.00	1650.00	0.63	1650.00
604	9	-63	S	--	PP	ZG	0.00	1925.00	0.98	1925.00
604	-63	-64	S	--	PP	ZG	0.00	1925.00	2.94	1925.00
604	-64	10	S	--	PP	ZG	0.00	1925.00	0.98	1925.00
604	10	-65	S	--	PP	ZG	0.00	1925.00	0.47	1925.00
604	-65	-66	S	--	PP	ZG	0.00	1925.00	0.53	1925.00
604	-66	-67	S	--	PP	ZG	0.00	1925.00	0.72	1925.00
604	-67	11	S	--	PP	ZG	0.00	1925.00	0.43	1925.00
604	11	-68	S	--	PP	ZG	0.00	1925.00	0.52	1925.00
604	-68	-69	S	--	PP	ZG	0.00	1925.00	0.52	1925.00
604	-69	-70	S	--	PP	ZG	0.00	1925.00	0.52	1925.00
604	-70	-71	S	--	PP	ZG	0.00	1925.00	0.51	1925.00
604	-71	-1689	S	--	PP	ZG	0.00	1925.00	0.43	1925.00
604	-1689	12	S	--	PP	ZG	0.00	1925.00	0.10	1925.00
604	12	-1662	S	--	PP	ZG	0.00	1925.00	0.10	1925.00
604	-1662	-72	S	--	PP	ZG	0.00	1925.00	0.43	1925.00
604	-72	-73	S	--	PP	ZG	0.00	1925.00	3.39	1925.00
604	-73	-1634	S	--	PP	ZG	0.00	1925.00	0.40	1925.00
604	-1634	13	S	--	PP	ZG	0.00	1925.00	0.13	1925.00
604	13	-1632	S	--	PP	ZG	0.00	1925.00	0.13	1925.00
604	-1632	-74	S	--	PP	ZG	0.00	1925.00	0.40	1925.00
604	-74	-75	S	--	PP	ZG	0.00	1925.00	4.97	1925.00
604	-75	-1343	S	--	PP	ZG	0.00	1925.00	1.26	1925.00
604	-1343	-77	S	--	PP	ZG	0.00	1925.00	0.43	1925.00
604	-77	-1631	S	--	PP	ZG	0.00	1925.00	0.37	1925.00
604	-1631	14	S	--	PP	ZG	0.00	1925.00	0.14	1925.00
605	-1538	15	S	--	PP	ZG	0.00	1925.00	0.25	1925.00
605	-82	-1538	S	--	PP	ZG	0.00	1925.00	0.25	1925.00
605	-82	-83	S	--	PP	ZG	0.00	1925.00	3.42	1925.00
605	16	-83	S	--	PP	ZG	0.00	1925.00	0.98	1925.00
605	16	-84	S	--	PP	ZG	0.00	1925.00	0.50	1925.00
605	-84	-85	S	--	PP	ZG	0.00	1925.00	3.75	1925.00
605	-85	17	S	--	PP	ZG	0.00	1925.00	0.50	1925.00
606	-93	-94	S	--	PP	ZG	0.00	1925.00	3.32	1925.00
606	-94	19	S	--	PP	ZG	0.00	1925.00	0.41	1925.00
606	19	-95	S	--	PP	ZG	0.00	1925.00	0.61	1925.00

Relazione di calcolo

606	-95	-96	S	--	PP	ZG	0.00	1925.00	0.61	1925.00
606	-96	-97	S	--	PP	ZG	0.00	1925.00	0.61	1925.00
606	-97	-98	S	--	PP	ZG	0.00	1925.00	0.61	1925.00
606	-98	-99	S	--	PP	ZG	0.00	1925.00	0.61	1925.00
606	-99	-100	S	--	PP	ZG	0.00	1925.00	0.61	1925.00
606	-100	-101	S	--	PP	ZG	0.00	1925.00	0.61	1925.00
606	-101	-102	S	--	PP	ZG	0.00	1925.00	0.61	1925.00
606	-102	20	S	--	PP	ZG	0.00	1925.00	0.61	1925.00
607	-19	1	S	--	PP	ZG	0.00	1925.00	0.63	1925.00
607	-23	-19	S	--	PP	ZG	0.00	1925.00	0.63	1925.00
607	-23	-27	S	--	PP	ZG	0.00	1925.00	0.63	1925.00
607	-27	-29	S	--	PP	ZG	0.00	1925.00	0.63	1925.00
607	-29	-31	S	--	PP	ZG	0.00	1925.00	0.63	1925.00
607	-31	-33	S	--	PP	ZG	0.00	1925.00	0.63	1925.00
607	-33	-35	S	--	PP	ZG	0.00	1925.00	0.63	1925.00
607	-35	-37	S	--	PP	ZG	0.00	1925.00	0.63	1925.00
607	-41	-37	S	--	PP	ZG	0.00	1925.00	0.63	1925.00
607	5	-41	S	--	PP	ZG	0.00	1925.00	0.63	1925.00
607	-57	5	S	--	PP	ZG	0.00	1925.00	0.66	1925.00
607	-57	-62	S	--	PP	ZG	0.00	1925.00	2.02	1925.00
607	-1537	-62	S	--	PP	ZG	0.00	1925.00	0.40	1925.00
607	9	-1537	S	--	PP	ZG	0.00	1925.00	0.20	1925.00
607	-1536	9	S	--	PP	ZG	0.00	1925.00	0.20	1925.00
607	-78	-1536	S	--	PP	ZG	0.00	1925.00	0.40	1925.00
607	-81	-78	S	--	PP	ZG	0.00	1925.00	2.30	1925.00
607	15	-81	S	--	PP	ZG	0.00	1925.00	0.40	1925.00
607	-86	15	S	--	PP	ZG	0.00	1925.00	0.42	1925.00
607	-88	-86	S	--	PP	ZG	0.00	1925.00	1.70	1925.00
607	-89	-88	S	--	PP	ZG	0.00	1925.00	0.34	1925.00
607	-90	-89	S	--	PP	ZG	0.00	1925.00	0.81	1925.00
607	-1507	-90	S	--	PP	ZG	0.00	1925.00	0.69	1925.00
607	18	-1507	S	--	PP	ZG	0.00	1925.00	0.29	1925.00
610	2	-1360	S	--	PP	ZG	0.00	1925.00	0.72	1925.00
610	-1360	-21	S	--	PP	ZG	0.00	1925.00	0.70	1925.00
610	-21	-25	S	--	PP	ZG	0.00	1925.00	0.57	1925.00
610	-1335	-25	S	--	PP	ZG	0.00	1925.00	0.63	1925.00
610	-1376	-1335	S	--	PP	ZG	0.00	1925.00	2.17	1925.00
610	-1376	-42	S	--	PP	ZG	0.00	1925.00	0.56	1925.00
610	-42	-1693	S	--	PP	ZG	0.00	1925.00	0.70	1925.00
610	-1693	6	S	--	PP	ZG	0.00	1925.00	0.25	1925.00
610	6	-1692	S	--	PP	ZG	0.00	1925.00	0.25	1925.00
610	-1692	-55	S	--	PP	ZG	0.00	1925.00	0.70	1925.00
610	-59	-55	S	--	PP	ZG	0.00	1925.00	0.23	1925.00
610	-59	11	S	--	PP	ZG	0.00	1925.00	2.10	1925.00
611	-79	12	S	--	PP	ZG	0.00	1925.00	0.66	1925.00
611	-80	-79	S	--	PP	ZG	0.00	1925.00	2.14	1925.00
611	17	-80	S	--	PP	ZG	0.00	1925.00	0.50	1925.00
611	-87	17	S	--	PP	ZG	0.00	1925.00	0.85	1925.00
611	-91	-87	S	--	PP	ZG	0.00	1925.00	2.55	1925.00
611	20	-91	S	--	PP	ZG	0.00	1925.00	0.85	1925.00
612	-1410	3	S	--	PP	ZG	0.00	1925.00	0.72	1925.00
612	-22	-1410	S	--	PP	ZG	0.00	1925.00	0.70	1925.00
612	-26	-22	S	--	PP	ZG	0.00	1925.00	0.57	1925.00
612	-26	-1338	S	--	PP	ZG	0.00	1925.00	0.63	1925.00
612	-1338	-39	S	--	PP	ZG	0.00	1925.00	2.17	1925.00
612	-43	-39	S	--	PP	ZG	0.00	1925.00	0.56	1925.00
612	-1426	-43	S	--	PP	ZG	0.00	1925.00	0.70	1925.00
612	7	-1426	S	--	PP	ZG	0.00	1925.00	0.25	1925.00
612	-1457	7	S	--	PP	ZG	0.00	1925.00	0.25	1925.00
612	-56	-1457	S	--	PP	ZG	0.00	1925.00	0.70	1925.00
612	-56	-60	S	--	PP	ZG	0.00	1925.00	1.67	1925.00
612	13	-60	S	--	PP	ZG	0.00	1925.00	0.66	1925.00
613	-20	4	S	--	PP	ZG	0.00	1925.00	0.63	1925.00
613	-24	-20	S	--	PP	ZG	0.00	1925.00	0.63	1925.00
613	-28	-24	S	--	PP	ZG	0.00	1925.00	0.63	1925.00
613	-30	-28	S	--	PP	ZG	0.00	1925.00	0.63	1925.00
613	-32	-30	S	--	PP	ZG	0.00	1925.00	0.63	1925.00
613	-34	-32	S	--	PP	ZG	0.00	1925.00	0.63	1925.00
613	-36	-34	S	--	PP	ZG	0.00	1925.00	0.63	1925.00
613	-40	-36	S	--	PP	ZG	0.00	1925.00	0.63	1925.00
613	-44	-40	S	--	PP	ZG	0.00	1925.00	0.63	1925.00
613	8	-44	S	--	PP	ZG	0.00	1925.00	0.63	1925.00
613	-58	8	S	--	PP	ZG	0.00	1925.00	0.66	1925.00
613	-61	-58	S	--	PP	ZG	0.00	1925.00	1.97	1925.00
613	14	-61	S	--	PP	ZG	0.00	1925.00	0.66	1925.00

Elenco carichi aste

Condizione di carico n. 2: Accidentale scuole

Carichi distribuiti

Asta	N1	N2	E	NE	T	DC	Xi <m>	Qi <daN/m>	Xf <m>	Qf <daN/m>
0	-300	101	S	107	QA	ZG	0.00	1057.50	0.63	1057.50
0	-301	104	S	108	QA	ZG	0.00	1155.75	0.63	1155.75
0	-305	-301	S	108	QA	ZG	0.00	1155.75	0.63	1155.75
0	-731	204	S	208	QA	ZG	0.00	1155.75	0.63	1155.75
0	-309	-305	S	108	QA	ZG	0.00	1155.75	0.63	1155.75
0	-313	-309	S	108	QA	ZG	0.00	1155.75	0.63	1155.75
0	-315	-313	S	108	QA	ZG	0.00	1155.75	0.63	1155.75
0	-317	-315	S	108	QA	ZG	0.00	1155.75	0.63	1155.75
0	-745	-743	S	208	QA	ZG	0.00	1155.75	0.63	1155.75
0	-735	-731	S	208	QA	ZG	0.00	1155.75	0.63	1155.75
0	-739	-735	S	208	QA	ZG	0.00	1155.75	0.63	1155.75
0	-319	-317	S	108	QA	ZG	0.00	1155.75	0.63	1155.75
0	-327	-323	S	108	QA	ZG	0.00	1155.75	0.63	1155.75
0	-743	-739	S	208	QA	ZG	0.00	1155.75	0.63	1155.75
0	-747	-745	S	208	QA	ZG	0.00	1155.75	0.63	1155.75
0	-323	-319	S	108	QA	ZG	0.00	1155.75	0.63	1155.75
0	-753	-749	S	208	QA	ZG	0.00	1155.75	0.63	1155.75
0	-757	-753	S	208	QA	ZG	0.00	1155.75	0.63	1155.75
0	108	-327	S	108	QA	ZG	0.00	1155.75	0.63	1155.75
0	-749	-747	S	208	QA	ZG	0.00	1155.75	0.63	1155.75
0	208	-757	S	208	QA	ZG	0.00	1155.75	0.63	1155.75
104	109	-348	S	101	QA	ZG	0.00	495.00	0.98	495.00
104	-348	-349	S	101	QA	ZG	0.00	495.00	2.94	495.00
104	-349	110	S	101	QA	ZG	0.00	495.00	0.98	495.00
105	115	-1541	S	101	QA	ZG	0.00	495.00	0.25	495.00
105	115	-1541	S	109	QA	ZG	0.00	637.50	0.25	637.50
105	-1541	-364	S	101	QA	ZG	0.00	495.00	0.25	495.00
105	-1541	-364	S	109	QA	ZG	0.00	637.50	0.25	637.50
105	-364	-365	S	101	QA	ZG	0.00	495.00	1.46	495.00
105	-364	-365	S	109	QA	ZG	0.00	637.50	1.46	637.50
105	-365	-366	S	101	QA	ZG	0.00	495.00	0.98	495.00
105	-365	-366	S	109	QA	ZG	0.00	637.50	0.98	637.50
105	-366	-367	S	101	QA	ZG	0.00	495.00	1.46	495.00
105	-366	-367	S	109	QA	ZG	1.21	637.50	1.46	425.00
105	-366	-367	S	109	QA	ZG	0.00	637.50	1.21	637.50
105	-367	116	S	101	QA	ZG	0.00	495.00	0.50	495.00
105	-367	116	S	109	QA	ZG	0.00	425.00	0.50	0.00
106	119	118	S	109	QA	ZG	0.00	637.50	4.15	637.50
107	-304	-300	S	107	QA	ZG	0.00	1057.50	0.63	1057.50
107	-308	-304	S	107	QA	ZG	0.00	1057.50	0.63	1057.50
107	-312	-308	S	107	QA	ZG	0.00	1057.50	0.63	1057.50
107	-314	-312	S	107	QA	ZG	0.00	1057.50	0.63	1057.50
107	-316	-314	S	107	QA	ZG	0.00	1057.50	0.63	1057.50
107	-318	-316	S	107	QA	ZG	0.00	1057.50	0.63	1057.50
107	-320	-318	S	107	QA	ZG	0.00	1057.50	0.63	1057.50
107	-324	-320	S	107	QA	ZG	0.00	1057.50	0.63	1057.50
107	105	-324	S	107	QA	ZG	0.00	1057.50	0.63	1057.50
107	-347	105	S	105	QA	ZG	0.00	1057.50	2.67	1057.50
107	-1525	-347	S	105	QA	ZG	0.00	1057.50	0.40	1057.50
107	109	-1525	S	105	QA	ZG	0.00	1057.50	0.20	1057.50
110	-1363	102	S	104	QA	ZG	0.00	1057.50	0.72	1057.50
110	-1363	102	S	107	QA	ZG	0.00	1057.50	0.72	1057.50
110	-302	-1363	S	104	QA	ZG	0.00	1057.50	0.70	1057.50
110	-302	-1363	S	107	QA	ZG	0.00	1057.50	0.70	1057.50
110	-306	-302	S	104	QA	ZG	0.00	1057.50	0.57	1057.50
110	-306	-302	S	107	QA	ZG	0.00	1057.50	0.57	1057.50
110	-310	-306	S	104	QA	ZG	0.00	1057.50	0.63	1057.50
110	-310	-306	S	107	QA	ZG	0.00	1057.50	0.63	1057.50
110	-321	-310	S	104	QA	ZG	0.00	1057.50	2.17	1057.50
110	-321	-310	S	107	QA	ZG	0.00	1057.50	2.17	1057.50
110	-325	-321	S	104	QA	ZG	0.00	1057.50	0.56	1057.50
110	-325	-321	S	107	QA	ZG	0.00	1057.50	0.56	1057.50
110	-1397	-325	S	104	QA	ZG	0.00	1057.50	0.70	1057.50
110	-1397	-325	S	107	QA	ZG	0.00	1057.50	0.70	1057.50
110	106	-1397	S	104	QA	ZG	0.00	1057.50	0.25	1057.50
110	106	-1397	S	107	QA	ZG	0.00	1057.50	0.25	1057.50
110	-1390	106	S	103	QA	ZG	0.00	1057.50	0.25	1057.50
110	-1390	106	S	105	QA	ZG	0.00	1057.50	0.25	1057.50
110	-340	-1390	S	103	QA	ZG	0.00	1057.50	0.70	1057.50
110	-340	-1390	S	105	QA	ZG	0.00	1057.50	0.70	1057.50
110	-343	-340	S	103	QA	ZG	0.00	1057.50	0.50	1057.50
110	-343	-340	S	105	QA	ZG	0.00	1057.50	0.50	1057.50
110	-345	-343	S	103	QA	ZG	0.00	1057.50	1.17	1057.50
110	-345	-343	S	105	QA	ZG	0.00	1057.50	1.17	1057.50
110	111	-345	S	103	QA	ZG	0.00	1057.50	0.66	1057.50
110	111	-345	S	105	QA	ZG	0.00	1057.50	0.66	1057.50

Relazione di calcolo

111	117	112	S	100	QA	ZG	0.00	712.50	3.30	712.50
111	117	120	S	102	QA	ZG	0.00	712.50	4.25	825.00
112	-1413	103	S	104	QA	ZG	0.00	1057.50	0.72	1057.50
112	-1413	103	S	108	QA	ZG	0.00	1155.75	0.72	1155.75
112	-303	-1413	S	104	QA	ZG	0.00	1057.50	0.70	1057.50
112	-303	-1413	S	108	QA	ZG	0.00	1155.75	0.70	1155.75
112	-307	-303	S	104	QA	ZG	0.00	1057.50	0.57	1057.50
112	-307	-303	S	108	QA	ZG	0.00	1155.75	0.57	1155.75
112	-311	-307	S	104	QA	ZG	0.00	1057.50	0.63	1057.50
112	-311	-307	S	108	QA	ZG	0.00	1155.75	0.63	1155.75
112	-322	-311	S	104	QA	ZG	0.00	1057.50	2.17	1057.50
112	-322	-311	S	108	QA	ZG	0.00	1155.75	2.17	1155.75
112	-326	-322	S	104	QA	ZG	0.00	1057.50	0.56	1057.50
112	-326	-322	S	108	QA	ZG	0.00	1155.75	0.56	1155.75
112	-1429	-326	S	104	QA	ZG	0.00	1057.50	0.70	1057.50
112	-1429	-326	S	108	QA	ZG	0.00	1155.75	0.70	1155.75
112	107	-1429	S	104	QA	ZG	0.00	1057.50	0.25	1057.50
112	107	-1429	S	108	QA	ZG	0.00	1155.75	0.25	1155.75
112	-1454	107	S	103	QA	ZG	0.00	1057.50	0.25	1057.50
112	-1454	107	S	106	QA	ZG	0.00	1155.75	0.25	1155.75
112	-341	-1454	S	103	QA	ZG	0.00	1057.50	0.70	1057.50
112	-341	-1454	S	106	QA	ZG	0.00	1155.75	0.70	1155.75
112	-344	-341	S	103	QA	ZG	0.00	1057.50	0.49	1057.50
112	-344	-341	S	106	QA	ZG	0.00	1155.75	0.49	1155.75
112	113	-344	S	103	QA	ZG	0.00	1057.50	1.83	1057.50
112	113	-344	S	106	QA	ZG	0.00	1155.75	1.83	1155.75
113	-342	108	S	106	QA	ZG	0.00	1155.75	0.66	1155.75
113	-346	-342	S	106	QA	ZG	0.00	1155.75	1.97	1155.75
113	114	-346	S	106	QA	ZG	0.00	1155.75	0.66	1155.75
115	110	-361	S	100	QA	ZG	0.00	712.50	0.66	712.50
115	-362	-361	S	100	QA	ZG	0.00	712.50	1.98	712.50
115	-362	116	S	100	QA	ZG	0.00	712.50	0.66	712.50
115	116	119	S	102	QA	ZG	0.00	701.66	4.32	812.45
115	116	119	S	109	QA	ZG	2.88	73.86	4.32	110.79
115	116	119	S	109	QA	ZG	0.00	0.00	2.88	73.86
204	209	-778	S	201	QA	ZG	0.00	495.00	0.98	495.00
204	-778	-779	S	201	QA	ZG	0.00	495.00	2.94	495.00
204	-779	210	S	201	QA	ZG	0.00	495.00	0.98	495.00
205	215	-1545	S	201	QA	ZG	0.00	495.00	0.25	495.00
205	215	-1545	S	209	QA	ZG	0.00	637.50	0.25	637.50
205	-1545	-794	S	201	QA	ZG	0.00	495.00	0.25	495.00
205	-1545	-794	S	209	QA	ZG	0.00	637.50	0.25	637.50
205	-794	-795	S	201	QA	ZG	0.00	495.00	1.46	495.00
205	-794	-795	S	209	QA	ZG	0.00	637.50	1.46	637.50
205	-795	-796	S	201	QA	ZG	0.00	495.00	0.98	495.00
205	-795	-796	S	209	QA	ZG	0.00	637.50	0.98	637.50
205	-796	-797	S	201	QA	ZG	0.00	495.00	1.46	495.00
205	-796	-797	S	209	QA	ZG	1.21	637.50	1.46	425.00
205	-796	-797	S	209	QA	ZG	0.00	637.50	1.21	637.50
205	-797	216	S	201	QA	ZG	0.00	495.00	0.50	495.00
205	-797	216	S	209	QA	ZG	0.00	425.00	0.50	0.00
206	219	218	S	209	QA	ZG	0.00	637.50	4.15	637.50
207	-730	201	S	207	QA	ZG	0.00	1057.50	0.63	1057.50
207	-734	-730	S	207	QA	ZG	0.00	1057.50	0.63	1057.50
207	-738	-734	S	207	QA	ZG	0.00	1057.50	0.63	1057.50
207	-742	-738	S	207	QA	ZG	0.00	1057.50	0.63	1057.50
207	-744	-742	S	207	QA	ZG	0.00	1057.50	0.63	1057.50
207	-746	-744	S	207	QA	ZG	0.00	1057.50	0.63	1057.50
207	-748	-746	S	207	QA	ZG	0.00	1057.50	0.63	1057.50
207	-750	-748	S	207	QA	ZG	0.00	1057.50	0.63	1057.50
207	-754	-750	S	207	QA	ZG	0.00	1057.50	0.63	1057.50
207	205	-754	S	207	QA	ZG	0.00	1057.50	0.63	1057.50
207	-777	205	S	200	QA	ZG	0.00	1057.50	2.67	1057.50
207	-1530	-777	S	200	QA	ZG	0.00	1057.50	0.40	1057.50
207	209	-1530	S	200	QA	ZG	0.00	1057.50	0.20	1057.50
210	-1369	202	S	207	QA	ZG	0.00	1057.50	0.72	1057.50
210	-1369	202	S	204	QA	ZG	0.00	1057.50	0.72	1057.50
210	-732	-1369	S	207	QA	ZG	0.00	1057.50	0.70	1057.50
210	-732	-1369	S	204	QA	ZG	0.00	1057.50	0.70	1057.50
210	-740	-732	S	207	QA	ZG	0.00	1057.50	0.70	1057.50
210	-740	-732	S	204	QA	ZG	0.00	1057.50	0.70	1057.50
210	-751	-740	S	207	QA	ZG	0.00	1057.50	2.60	1057.50
210	-751	-740	S	204	QA	ZG	0.00	1057.50	2.60	1057.50
210	-755	-751	S	207	QA	ZG	0.00	1057.50	0.63	1057.50
210	-755	-751	S	204	QA	ZG	0.00	1057.50	0.63	1057.50
210	-1403	-755	S	207	QA	ZG	0.00	1057.50	0.70	1057.50
210	-1403	-755	S	204	QA	ZG	0.00	1057.50	0.70	1057.50
210	206	-1403	S	207	QA	ZG	0.00	1057.50	0.25	1057.50
210	206	-1403	S	204	QA	ZG	0.00	1057.50	0.25	1057.50

Relazione di calcolo

210	-1384	206	S	200	QA	ZG	0.00	1057.50	0.25	1057.50
210	-1384	206	S	205	QA	ZG	0.00	1057.50	0.25	1057.50
210	-770	-1384	S	200	QA	ZG	0.00	1057.50	0.70	1057.50
210	-770	-1384	S	205	QA	ZG	0.00	1057.50	0.70	1057.50
210	-773	-770	S	200	QA	ZG	0.00	1057.50	0.50	1057.50
210	-773	-770	S	205	QA	ZG	0.00	1057.50	0.50	1057.50
210	-775	-773	S	200	QA	ZG	0.00	1057.50	1.17	1057.50
210	-775	-773	S	205	QA	ZG	0.00	1057.50	1.17	1057.50
210	211	-775	S	200	QA	ZG	0.00	1057.50	0.66	1057.50
210	211	-775	S	205	QA	ZG	0.00	1057.50	0.66	1057.50
211	217	212	S	203	QA	ZG	0.00	712.50	3.30	712.50
211	217	220	S	202	QA	ZG	0.00	712.50	4.25	825.00
212	-1419	203	S	208	QA	ZG	0.00	1155.75	0.72	1155.75
212	-1419	203	S	204	QA	ZG	0.00	1057.50	0.72	1057.50
212	-733	-1419	S	208	QA	ZG	0.00	1155.75	0.70	1155.75
212	-733	-1419	S	204	QA	ZG	0.00	1057.50	0.70	1057.50
212	-737	-733	S	208	QA	ZG	0.00	1155.75	0.72	1155.75
212	-737	-733	S	204	QA	ZG	0.00	1057.50	0.72	1057.50
212	-752	-737	S	208	QA	ZG	0.00	1155.75	2.64	1155.75
212	-752	-737	S	204	QA	ZG	0.00	1057.50	2.64	1057.50
212	-756	-752	S	208	QA	ZG	0.00	1155.75	0.56	1155.75
212	-756	-752	S	204	QA	ZG	0.00	1057.50	0.56	1057.50
212	-1435	-756	S	208	QA	ZG	0.00	1155.75	0.70	1155.75
212	-1435	-756	S	204	QA	ZG	0.00	1057.50	0.70	1057.50
212	207	-1435	S	208	QA	ZG	0.00	1155.75	0.25	1155.75
212	207	-1435	S	204	QA	ZG	0.00	1057.50	0.25	1057.50
212	-1448	207	S	205	QA	ZG	0.00	1057.50	0.25	1057.50
212	-1448	207	S	206	QA	ZG	0.00	1155.75	0.25	1155.75
212	-771	-1448	S	205	QA	ZG	0.00	1057.50	0.70	1057.50
212	-771	-1448	S	206	QA	ZG	0.00	1155.75	0.70	1155.75
212	-774	-771	S	205	QA	ZG	0.00	1057.50	0.49	1057.50
212	-774	-771	S	206	QA	ZG	0.00	1155.75	0.49	1155.75
212	213	-774	S	205	QA	ZG	0.00	1057.50	1.83	1057.50
212	213	-774	S	206	QA	ZG	0.00	1155.75	1.83	1155.75
213	-772	208	S	206	QA	ZG	0.00	1155.75	0.66	1155.75
213	-776	-772	S	206	QA	ZG	0.00	1155.75	1.97	1155.75
213	214	-776	S	206	QA	ZG	0.00	1155.75	0.66	1155.75
215	210	-791	S	203	QA	ZG	0.00	712.50	0.66	712.50
215	-791	-792	S	203	QA	ZG	0.00	712.50	1.98	712.50
215	-792	216	S	203	QA	ZG	0.00	712.50	0.66	712.50
215	216	219	S	202	QA	ZG	0.00	701.66	4.32	812.45
215	216	219	S	209	QA	ZG	2.88	73.86	4.32	110.79
215	216	219	S	209	QA	ZG	0.00	0.00	2.88	73.86
301	301	-1505	S	308	QA	ZG	0.00	157.50	0.26	157.50
301	-1505	-1147	S	308	QA	ZG	0.00	157.50	0.54	157.50
301	-1147	-1148	S	308	QA	ZG	0.00	157.50	0.50	157.50
301	-1148	-1149	S	308	QA	ZG	0.00	157.50	1.63	157.50
301	-1149	-1150	S	308	QA	ZG	0.00	157.50	1.20	157.50
301	-1150	-1151	S	308	QA	ZG	0.00	157.50	1.90	157.50
301	-1151	-1152	S	308	QA	ZG	0.00	157.50	0.50	157.50
301	-1152	-1616	S	308	QA	ZG	0.00	157.50	0.40	157.50
301	-1616	302	S	308	QA	ZG	0.00	157.50	0.13	157.50
301	302	-1614	S	305	QA	ZG	0.00	157.50	0.13	157.50
301	-1614	-1153	S	305	QA	ZG	0.00	157.50	0.40	157.50
301	-1153	-1154	S	305	QA	ZG	0.00	157.50	0.50	157.50
301	-1154	-1155	S	305	QA	ZG	0.00	157.50	1.90	157.50
301	-1155	-1156	S	305	QA	ZG	0.00	157.50	1.20	157.50
301	-1156	-1157	S	305	QA	ZG	0.00	157.50	1.90	157.50
301	-1157	-1158	S	305	QA	ZG	0.00	157.50	0.50	157.50
301	-1158	-1617	S	305	QA	ZG	0.00	157.50	0.40	157.50
301	-1617	303	S	305	QA	ZG	0.00	157.50	0.13	157.50
301	303	-1615	S	307	QA	ZG	0.00	157.50	0.13	157.50
301	-1615	-1159	S	307	QA	ZG	0.00	157.50	0.40	157.50
301	-1159	-1160	S	307	QA	ZG	0.00	157.50	0.50	157.50
301	-1160	-1161	S	307	QA	ZG	0.00	157.50	2.16	157.50
301	-1161	-1162	S	307	QA	ZG	0.00	157.50	1.33	157.50
301	-1162	-1163	S	307	QA	ZG	0.00	157.50	2.01	157.50
301	-1163	-1164	S	307	QA	ZG	0.00	157.50	0.50	157.50
301	-1164	-1490	S	307	QA	ZG	0.00	157.50	0.55	157.50
301	-1490	304	S	307	QA	ZG	0.00	157.50	0.13	157.50
303	305	-1193	S	300	QA	ZG	0.00	81.88	1.41	81.88
303	305	-1193	S	308	QA	ZG	0.00	157.50	1.41	157.50
303	-1193	-1194	S	300	QA	ZG	0.00	81.88	1.41	81.88
303	-1193	-1194	S	308	QA	ZG	0.00	157.50	1.41	157.50
303	-1194	-1195	S	300	QA	ZG	0.00	81.88	1.41	81.88
303	-1194	-1195	S	308	QA	ZG	0.00	157.50	1.41	157.50
303	-1195	-1196	S	300	QA	ZG	0.00	81.88	1.41	81.88
303	-1195	-1196	S	308	QA	ZG	0.00	157.50	1.41	157.50
303	-1196	306	S	300	QA	ZG	0.00	81.88	1.41	81.88

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303	-1196	306	S	308	QA	ZG	0.00	157.50	1.41	157.50
303	306	-1197	S	306	QA	ZG	0.00	81.88	1.41	81.88
303	306	-1197	S	305	QA	ZG	0.00	157.50	1.41	157.50
303	-1197	-1198	S	306	QA	ZG	0.00	81.88	1.41	81.88
303	-1197	-1198	S	305	QA	ZG	0.00	157.50	1.41	157.50
303	-1198	-1199	S	306	QA	ZG	0.00	81.88	1.41	81.88
303	-1198	-1199	S	305	QA	ZG	0.00	157.50	1.41	157.50
303	-1199	-1200	S	306	QA	ZG	0.00	81.88	1.41	81.88
303	-1199	-1200	S	305	QA	ZG	0.00	157.50	1.41	157.50
303	-1200	307	S	306	QA	ZG	0.00	81.88	1.41	81.88
303	-1200	307	S	305	QA	ZG	0.00	157.50	1.41	157.50
303	307	-1201	S	302	QA	ZG	0.00	81.88	2.71	81.88
303	307	-1201	S	307	QA	ZG	0.00	157.50	2.71	157.50
303	-1201	-1202	S	302	QA	ZG	0.00	81.88	0.63	81.88
303	-1201	-1202	S	307	QA	ZG	0.00	157.50	0.63	157.50
303	-1202	-1203	S	302	QA	ZG	0.00	81.88	0.63	81.88
303	-1202	-1203	S	307	QA	ZG	0.00	157.50	0.63	157.50
303	-1203	-1204	S	302	QA	ZG	0.00	81.88	0.63	81.88
303	-1203	-1204	S	307	QA	ZG	0.00	157.50	0.63	157.50
303	-1204	-1205	S	302	QA	ZG	0.00	81.88	0.63	81.88
303	-1204	-1205	S	307	QA	ZG	0.00	157.50	0.63	157.50
303	-1205	-1206	S	302	QA	ZG	0.00	81.88	0.63	81.88
303	-1205	-1206	S	307	QA	ZG	0.00	157.50	0.63	157.50
303	-1206	-1207	S	302	QA	ZG	0.00	81.88	0.63	81.88
303	-1206	-1207	S	307	QA	ZG	0.00	157.50	0.63	157.50
303	-1207	-1208	S	302	QA	ZG	0.00	81.88	0.63	81.88
303	-1207	-1208	S	307	QA	ZG	0.00	157.50	0.63	157.50
303	-1208	308	S	302	QA	ZG	0.00	81.88	0.63	81.88
303	-1208	308	S	307	QA	ZG	0.00	157.50	0.63	157.50
304	309	-1217	S	300	QA	ZG	0.00	81.88	0.98	81.88
304	-1217	-1218	S	300	QA	ZG	0.00	81.88	0.98	81.88
304	-1218	-1219	S	300	QA	ZG	0.00	81.88	0.98	81.88
304	-1219	-1220	S	300	QA	ZG	0.00	81.88	0.98	81.88
304	-1220	310	S	300	QA	ZG	0.00	81.88	0.98	81.88
304	310	-1221	S	300	QA	ZG	0.00	81.88	0.47	81.88
304	-1221	-1222	S	300	QA	ZG	0.00	81.88	0.53	81.88
304	-1222	311	S	300	QA	ZG	0.00	81.88	1.15	81.88
304	311	-1223	S	306	QA	ZG	0.00	81.88	0.52	81.88
304	-1223	-1224	S	306	QA	ZG	0.00	81.88	1.55	81.88
304	-1224	-1683	S	306	QA	ZG	0.00	81.88	0.43	81.88
304	-1683	312	S	306	QA	ZG	0.00	81.88	0.10	81.88
304	-1688	312	S	306	QA	ZG	0.00	81.88	0.10	81.88
304	-1225	-1688	S	306	QA	ZG	0.00	81.88	0.43	81.88
304	-1226	-1225	S	306	QA	ZG	0.00	81.88	3.39	81.88
304	-1647	-1226	S	306	QA	ZG	0.00	81.88	0.40	81.88
304	313	-1647	S	306	QA	ZG	0.00	81.88	0.13	81.88
304	313	-1653	S	302	QA	ZG	0.00	81.88	0.13	81.88
304	-1653	-1227	S	302	QA	ZG	0.00	81.88	0.40	81.88
304	-1227	-1228	S	302	QA	ZG	0.00	81.88	2.55	81.88
304	-1228	-1229	S	302	QA	ZG	0.00	81.88	1.54	81.88
304	-1229	-1230	S	302	QA	ZG	0.00	81.88	1.54	81.88
304	-1230	-1231	S	302	QA	ZG	0.00	81.88	0.60	81.88
304	-1231	-1232	S	302	QA	ZG	0.00	81.88	0.43	81.88
304	-1232	-1620	S	302	QA	ZG	0.00	81.88	0.37	81.88
304	-1620	314	S	302	QA	ZG	0.00	81.88	0.14	81.88
307	309	-1236	S	301	QA	ZG	0.00	122.50	1.10	122.50
307	-1236	-1241	S	301	QA	ZG	0.00	122.50	1.80	122.50
307	-1241	315	S	301	QA	ZG	0.00	122.50	0.40	122.50
307	315	-1246	S	301	QA	ZG	0.00	122.50	0.40	120.73
307	-1246	-1251	S	301	QA	ZG	0.00	120.73	2.36	110.31
307	-1251	-1253	S	301	QA	ZG	0.00	110.31	0.51	108.07
307	-1253	-1358	S	301	QA	ZG	0.00	108.07	0.69	105.02
307	-1358	318	S	301	QA	ZG	0.00	105.02	0.29	103.75
311	-1235	312	S	303	QA	ZG	0.00	118.75	0.66	118.75
311	-1237	-1235	S	303	QA	ZG	0.00	118.75	0.66	118.75
311	-1238	-1237	S	303	QA	ZG	0.00	118.75	0.66	118.75
311	-1240	-1238	S	303	QA	ZG	0.00	118.75	0.82	118.75
311	317	-1240	S	303	QA	ZG	0.00	118.75	0.50	118.75
311	317	-1247	S	304	QA	ZG	0.00	118.75	0.85	122.50
311	-1247	-1249	S	304	QA	ZG	0.00	122.50	0.85	126.25
311	-1249	-1250	S	304	QA	ZG	0.00	126.25	0.85	130.00
311	-1250	-1254	S	304	QA	ZG	0.00	130.00	0.85	133.75
311	-1254	320	S	304	QA	ZG	0.00	133.75	0.85	137.50
315	310	-1234	S	303	QA	ZG	0.00	118.75	0.66	118.75
315	310	-1234	S	301	QA	ZG	0.00	122.50	0.66	122.50
315	-1234	-1239	S	303	QA	ZG	0.00	118.75	1.98	118.75
315	-1234	-1239	S	301	QA	ZG	0.00	122.50	1.98	122.50
315	-1239	316	S	303	QA	ZG	0.00	118.75	0.66	118.75
315	-1239	316	S	301	QA	ZG	0.00	122.50	0.66	122.50

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315	316	-1248	S	304	QA	ZG	0.00	116.94	1.44	123.10
315	316	-1248	S	301	QA	ZG	0.41	118.90	1.44	114.48
315	316	-1248	S	301	QA	ZG	0.00	120.64	0.41	118.90
315	-1248	-1252	S	304	QA	ZG	0.00	123.10	0.29	124.33
315	-1248	-1252	S	301	QA	ZG	1.37	108.63	1.44	108.33
315	-1248	-1252	S	301	QA	ZG	0.00	114.48	1.37	108.63
315	-1248	-1252	S	304	QA	ZG	1.15	128.02	1.44	129.25
315	-1248	-1252	S	304	QA	ZG	0.29	124.33	1.15	128.02
315	-1252	319	S	304	QA	ZG	0.00	129.25	1.44	135.41
315	-1252	319	S	301	QA	ZG	1.15	103.42	1.44	102.17
315	-1252	319	S	301	QA	ZG	0.44	106.43	1.15	103.42
315	-1252	319	S	301	QA	ZG	0.00	108.33	0.44	106.43

Elenco carichi aste

Condizione di carico n. 3: Accidentale neve

Carichi distribuiti

Asta	N1	N2	E	NE	T	DC	Xi <m>	Qi <daN/m>	Xf <m>	Qf <daN/m>
301	301	-1505	S	409	QA2	ZG	0.00	0.00	0.26	19.35
301	-1505	-1147	S	409	QA2	ZG	0.00	19.35	0.54	59.53
301	-1147	-1148	S	409	QA2	ZG	0.00	59.53	0.50	96.74
301	-1148	-1149	S	409	QA2	ZG	0.00	96.74	1.63	217.75
301	-1149	-1150	S	409	QA2	ZG	0.00	217.75	1.20	306.90
301	-1150	-1151	S	409	QA2	ZG	0.00	306.90	0.70	359.06
301	-1150	-1151	S	409	QA2	ZG	0.70	359.06	1.90	359.06
301	-1151	-1152	S	409	QA2	ZG	0.00	359.06	0.50	359.06
301	-1152	-1616	S	409	QA2	ZG	0.00	359.06	0.40	359.06
301	-1616	302	S	409	QA2	ZG	0.00	359.06	0.13	359.06
301	302	-1614	S	405	QA2	ZG	0.00	359.06	0.13	359.06
301	-1614	-1153	S	405	QA2	ZG	0.00	359.06	0.40	359.06
301	-1153	-1154	S	405	QA2	ZG	0.00	359.06	0.50	359.06
301	-1154	-1155	S	405	QA2	ZG	0.00	359.06	1.90	359.06
301	-1155	-1156	S	405	QA2	ZG	0.00	359.06	1.20	359.06
301	-1156	-1157	S	405	QA2	ZG	0.00	359.06	1.90	359.06
301	-1157	-1158	S	405	QA2	ZG	0.00	359.06	0.50	359.06
301	-1158	-1617	S	405	QA2	ZG	0.00	359.06	0.40	359.06
301	-1617	303	S	405	QA2	ZG	0.00	359.06	0.13	359.06
301	303	-1615	S	406	QA2	ZG	0.00	359.06	0.13	359.06
301	-1615	-1159	S	406	QA2	ZG	0.00	359.06	0.40	359.06
301	-1159	-1160	S	406	QA2	ZG	0.00	359.06	0.50	359.06
301	-1160	-1161	S	406	QA2	ZG	0.00	359.06	2.16	359.06
301	-1161	-1162	S	406	QA2	ZG	0.00	359.06	1.33	359.06
301	-1162	-1163	S	406	QA2	ZG	0.00	359.06	2.01	359.06
301	-1163	-1164	S	406	QA2	ZG	0.00	359.06	0.50	359.06
301	-1164	-1490	S	406	QA2	ZG	0.00	359.06	0.55	359.06
301	-1490	304	S	406	QA2	ZG	0.00	359.06	0.13	359.06
304	-1688	312	S	404	QA2	ZG	0.00	359.06	0.10	359.06
304	-1225	-1688	S	404	QA2	ZG	0.00	359.06	0.43	359.06
304	-1226	-1225	S	404	QA2	ZG	0.00	359.06	3.39	359.06
304	-1647	-1226	S	404	QA2	ZG	0.00	359.06	0.40	359.06
304	313	-1647	S	404	QA2	ZG	0.00	359.06	0.13	359.06
304	313	-1653	S	407	QA2	ZG	0.00	359.06	0.13	359.06
304	-1653	-1227	S	407	QA2	ZG	0.00	359.06	0.40	359.06
304	-1227	-1228	S	407	QA2	ZG	0.00	359.06	2.55	359.06
304	-1228	-1229	S	407	QA2	ZG	0.00	359.06	1.54	359.06
304	-1229	-1230	S	407	QA2	ZG	0.00	359.06	1.54	359.06
304	-1230	-1231	S	407	QA2	ZG	0.00	359.06	0.60	359.06
304	-1231	-1232	S	407	QA2	ZG	0.00	359.06	0.43	359.06
304	-1232	-1620	S	407	QA2	ZG	0.00	359.06	0.37	359.06
304	-1620	314	S	407	QA2	ZG	0.00	359.06	0.14	359.06
307	-1165	301	S	408	QA2	ZG	0.00	47.62	0.63	0.00
307	-1169	-1165	S	408	QA2	ZG	0.00	95.24	0.63	47.62
307	-1173	-1169	S	408	QA2	ZG	0.00	142.86	0.63	95.24
307	-1177	-1173	S	408	QA2	ZG	0.00	190.48	0.63	142.86
307	-1179	-1177	S	408	QA2	ZG	0.00	238.10	0.63	190.48
307	-1181	-1179	S	408	QA2	ZG	0.00	285.72	0.63	238.10
307	-1183	-1181	S	408	QA2	ZG	0.00	333.34	0.63	285.72
307	-1185	-1183	S	408	QA2	ZG	0.00	361.88	0.25	361.88
307	-1185	-1183	S	408	QA2	ZG	0.25	361.88	0.63	333.34
307	-1189	-1185	S	408	QA2	ZG	0.00	361.88	0.63	361.88
307	305	-1189	S	408	QA2	ZG	0.00	361.88	0.63	361.88
307	-1211	305	S	408	QA2	ZG	0.00	361.88	0.66	361.88
307	-1216	-1211	S	408	QA2	ZG	0.00	361.88	2.02	361.88
307	-1535	-1216	S	408	QA2	ZG	0.00	361.88	0.40	361.88
307	309	-1535	S	408	QA2	ZG	0.00	361.88	0.20	361.88
307	309	-1236	S	403	QA2	ZG	0.00	361.88	1.10	361.88
307	-1236	-1241	S	403	QA2	ZG	0.00	361.88	1.80	361.88
307	-1241	315	S	403	QA2	ZG	0.00	361.88	0.40	361.88

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307	315	-1246	S	403	QA2	ZG	0.00	361.88	0.40	361.88
307	-1246	-1251	S	403	QA2	ZG	0.00	361.88	2.36	361.88
307	-1251	-1253	S	403	QA2	ZG	0.00	361.88	0.51	361.88
307	-1253	-1358	S	403	QA2	ZG	0.00	361.88	0.69	361.88
307	-1358	318	S	403	QA2	ZG	0.00	361.88	0.29	361.88
311	-1235	312	S	401	QA2	ZG	0.00	361.88	0.66	361.88
311	-1237	-1235	S	401	QA2	ZG	0.00	361.88	0.66	361.88
311	-1238	-1237	S	401	QA2	ZG	0.00	361.88	0.66	361.88
311	-1240	-1238	S	401	QA2	ZG	0.00	361.88	0.82	361.88
311	317	-1240	S	401	QA2	ZG	0.00	361.88	0.50	361.88
311	317	-1247	S	401	QA2	ZG	0.00	361.88	0.85	361.88
311	-1247	-1249	S	401	QA2	ZG	0.00	361.88	0.85	361.88
311	-1249	-1250	S	401	QA2	ZG	0.00	361.88	0.85	361.88
311	-1250	-1254	S	401	QA2	ZG	0.00	361.88	0.85	361.88
311	-1254	320	S	401	QA2	ZG	0.00	361.88	0.85	361.88
402	402	401	S	402	QA2	ZG	0.00	0.00	0.01	165.17
402	402	401	S	409	QA2	ZG	0.00	359.06	2.23	359.06
402	402	401	S	402	QA2	ZG	0.01	165.17	2.23	0.00
402	403	402	S	404	QA2	ZG	0.00	359.06	4.45	359.06
402	403	402	S	405	QA2	ZG	0.13	359.06	7.05	359.06
402	403	402	S	405	QA2	ZG	0.00	359.06	0.13	359.06
402	403	402	S	404	QA2	ZG	4.45	359.06	7.05	165.58
402	404	403	S	407	QA2	ZG	0.00	359.06	7.71	359.06
402	404	403	S	406	QA2	ZG	0.00	359.06	7.71	359.06
408	405	401	S	400	QA2	ZG	0.00	361.88	4.79	0.00
408	405	401	S	408	QA2	ZG	0.00	361.88	4.79	361.88
408	406	405	S	403	QA2	ZG	0.00	361.88	3.85	361.88
408	406	405	S	401	QA2	ZG	0.00	361.88	7.55	361.88
408	406	405	S	403	QA2	ZG	4.25	361.88	7.55	361.88
408	406	405	S	403	QA2	ZG	3.85	361.88	4.25	361.88
409	-1314	402	S	402	QA2	ZG	0.00	0.35	2.60	0.00
409	-1314	402	S	404	QA2	ZG	0.00	0.00	2.60	0.35
414	301	401	S	409	QA2	ZG	0.00	0.00	6.35	199.30
414	301	401	S	408	QA2	ZG	6.84	214.79	7.43	233.18
414	301	401	S	408	QA2	ZG	0.00	0.00	6.84	214.79
414	301	401	S	409	QA2	ZG	6.35	199.30	7.43	233.18
414	401	-1314	S	400	QA2	ZG	0.00	0.00	3.42	107.26
414	401	-1314	S	402	QA2	ZG	0.00	0.00	3.42	107.26
414	-1314	312	S	400	QA2	ZG	0.00	107.26	4.01	233.18
414	-1314	312	S	404	QA2	ZG	0.01	107.53	4.01	233.18
414	-1314	312	S	404	QA2	ZG	0.00	0.00	0.01	107.53

Elenco carichi aste

Condizione di carico n. 4: Tamponamenti

Carichi distribuiti

Asta	N1	N2	E	NE	T	DC	Xi <m>	Qi <daN/m>	Xf <m>	Qf <daN/m>
101	-288	-289	T	201	QPN	ZG	0.00	850.00	0.46	850.00
101	-289	-290	T	201	QPN	ZG	0.00	850.00	4.76	850.00
101	-290	-291	T	201	QPN	ZG	0.00	850.00	0.50	850.00
101	-292	-293	T	202	QPN	ZG	0.00	850.00	0.50	850.00
101	-293	-294	T	202	QPN	ZG	0.00	850.00	4.99	850.00
101	-294	-295	T	202	QPN	ZG	0.00	850.00	0.50	850.00
101	-296	-297	T	203	QPN	ZG	0.00	850.00	0.50	850.00
101	-297	-298	T	203	QPN	ZG	0.00	850.00	5.54	850.00
101	-298	-299	T	203	QPN	ZG	0.00	850.00	0.45	850.00
104	110	-350	T	204	QPN	ZG	0.00	850.00	0.47	850.00
104	-350	-351	T	204	QPN	ZG	0.00	850.00	0.53	850.00
104	-351	111	T	204	QPN	ZG	0.00	850.00	1.15	850.00
104	111	-352	T	204	QPN	ZG	0.00	850.00	0.52	850.00
104	-352	-353	T	204	QPN	ZG	0.00	850.00	1.55	850.00
104	-353	-1664	T	204	QPN	ZG	0.00	850.00	0.43	850.00
104	-1664	112	T	204	QPN	ZG	0.00	850.00	0.10	850.00
104	-1671	112	T	205	QPN	ZG	0.00	850.00	0.10	850.00
104	-354	-1671	T	205	QPN	ZG	0.00	850.00	0.43	850.00
104	-355	-354	T	205	QPN	ZG	0.00	850.00	3.39	850.00
104	-1639	-355	T	205	QPN	ZG	0.00	850.00	0.40	850.00
104	113	-1639	T	205	QPN	ZG	0.00	850.00	0.13	850.00
104	113	-1638	T	206	QPN	ZG	0.00	850.00	0.13	850.00
104	-1638	-356	T	206	QPN	ZG	0.00	850.00	0.40	850.00
104	-356	-357	T	206	QPN	ZG	0.00	850.00	5.63	850.00
104	-357	-358	T	206	QPN	ZG	0.00	850.00	0.60	850.00
104	-358	-359	T	206	QPN	ZG	0.00	850.00	0.43	850.00
104	-359	-1629	T	206	QPN	ZG	0.00	850.00	0.37	850.00
104	-1629	114	T	206	QPN	ZG	0.00	850.00	0.14	850.00
107	-347	105	T	207	QPN	ZG	0.00	850.00	2.67	850.00
107	-1525	-347	T	207	QPN	ZG	0.00	850.00	0.40	850.00
107	109	-1525	T	207	QPN	ZG	0.00	850.00	0.20	850.00

Relazione di calcolo

107	109	-1511	T	208	QPN	ZG	0.00	850.00	0.20	850.00
107	-1511	-360	T	208	QPN	ZG	0.00	850.00	0.40	850.00
107	-360	-363	T	208	QPN	ZG	0.00	850.00	2.30	850.00
107	-363	115	T	208	QPN	ZG	0.00	850.00	0.40	850.00
107	115	-372	T	209	QPN	ZG	0.00	850.00	0.40	850.00
107	-372	-373	T	209	QPN	ZG	0.00	850.00	2.06	850.00
107	-373	-1344	T	209	QPN	ZG	0.00	850.00	0.81	850.00
110	-306	-302	T	213	QPN	ZG	0.00	680.00	0.57	680.00
110	-310	-306	T	213	QPN	ZG	0.00	680.00	0.63	680.00
110	-321	-310	T	213	QPN	ZG	0.00	680.00	2.17	680.00
110	-325	-321	T	213	QPN	ZG	0.00	680.00	0.56	680.00
111	117	112	T	211	QPN	ZG	0.00	850.00	3.30	850.00
111	117	120	T	212	QPN	ZG	0.00	850.00	4.25	850.00
112	-307	-303	T	113	QPN	ZG	0.00	680.00	0.57	680.00
112	-311	-307	T	113	QPN	ZG	0.00	680.00	0.63	680.00
112	-322	-311	T	113	QPN	ZG	0.00	680.00	2.17	680.00
112	-326	-322	T	113	QPN	ZG	0.00	680.00	0.56	680.00
201	-718	-719	T	301	QPN	ZG	0.00	850.00	0.50	850.00
201	-719	-720	T	301	QPN	ZG	0.00	850.00	4.72	850.00
201	-720	-721	T	301	QPN	ZG	0.00	850.00	0.50	850.00
201	-722	-723	T	302	QPN	ZG	0.00	850.00	0.50	850.00
201	-723	-724	T	302	QPN	ZG	0.00	850.00	4.99	850.00
201	-724	-725	T	302	QPN	ZG	0.00	850.00	0.50	850.00
201	-726	-727	T	303	QPN	ZG	0.00	850.00	0.50	850.00
201	-727	-728	T	303	QPN	ZG	0.00	850.00	5.50	850.00
201	-728	-729	T	303	QPN	ZG	0.00	850.00	0.50	850.00
204	210	-780	T	304	QPN	ZG	0.00	850.00	0.47	850.00
204	-780	-781	T	304	QPN	ZG	0.00	850.00	0.53	850.00
204	-781	211	T	304	QPN	ZG	0.00	850.00	1.15	850.00
204	211	-782	T	304	QPN	ZG	0.00	850.00	0.52	850.00
204	-782	-783	T	304	QPN	ZG	0.00	850.00	1.55	850.00
204	-783	-1666	T	304	QPN	ZG	0.00	850.00	0.43	850.00
204	-1666	212	T	304	QPN	ZG	0.00	850.00	0.10	850.00
204	-1679	212	T	305	QPN	ZG	0.00	850.00	0.10	850.00
204	-784	-1679	T	305	QPN	ZG	0.00	850.00	0.43	850.00
204	-785	-784	T	305	QPN	ZG	0.00	850.00	3.39	850.00
204	-1642	-785	T	305	QPN	ZG	0.00	850.00	0.40	850.00
204	213	-1642	T	305	QPN	ZG	0.00	850.00	0.13	850.00
204	213	-1648	T	306	QPN	ZG	0.00	850.00	0.13	850.00
204	-1648	-786	T	306	QPN	ZG	0.00	850.00	0.40	850.00
204	-786	-787	T	306	QPN	ZG	0.00	850.00	5.63	850.00
204	-787	-788	T	306	QPN	ZG	0.00	850.00	0.60	850.00
204	-788	-789	T	306	QPN	ZG	0.00	850.00	0.43	850.00
204	-789	-1624	T	306	QPN	ZG	0.00	850.00	0.37	850.00
204	-1624	214	T	306	QPN	ZG	0.00	850.00	0.14	850.00
207	-777	205	T	307	QPN	ZG	0.00	850.00	2.67	850.00
207	-1530	-777	T	307	QPN	ZG	0.00	850.00	0.40	850.00
207	209	-1530	T	307	QPN	ZG	0.00	850.00	0.20	850.00
207	209	-1516	T	308	QPN	ZG	0.00	850.00	0.20	850.00
207	-1516	-790	T	308	QPN	ZG	0.00	850.00	0.40	850.00
207	-790	-793	T	308	QPN	ZG	0.00	850.00	2.30	850.00
207	-793	215	T	308	QPN	ZG	0.00	850.00	0.40	850.00
207	215	-802	T	309	QPN	ZG	0.00	850.00	0.40	850.00
207	-802	-803	T	309	QPN	ZG	0.00	850.00	2.36	850.00
207	-803	-804	T	309	QPN	ZG	0.00	850.00	0.51	850.00
210	-740	-732	T	213	QPN	ZG	0.00	680.00	0.70	680.00
210	-751	-740	T	213	QPN	ZG	0.00	680.00	2.60	680.00
210	-755	-751	T	213	QPN	ZG	0.00	680.00	0.63	680.00
211	217	212	T	311	QPN	ZG	0.00	850.00	3.30	850.00
211	217	220	T	312	QPN	ZG	0.00	850.00	4.25	850.00
212	-737	-733	T	213	QPN	ZG	0.00	680.00	0.72	680.00
212	-752	-737	T	213	QPN	ZG	0.00	680.00	2.64	680.00
212	-756	-752	T	213	QPN	ZG	0.00	680.00	0.56	680.00
601	-2	-3	T	101	QPN	ZG	0.00	450.00	0.75	450.00
601	-3	-4	T	101	QPN	ZG	0.00	450.00	3.02	450.00
601	-4	-5	T	101	QPN	ZG	0.00	450.00	0.98	450.00
601	-8	-9	T	102	QPN	ZG	0.00	450.00	0.98	450.00
601	-9	-10	T	102	QPN	ZG	0.00	450.00	3.02	450.00
601	-10	-11	T	102	QPN	ZG	0.00	450.00	0.98	450.00
601	-14	-15	T	103	QPN	ZG	0.00	450.00	1.17	450.00
601	-15	-16	T	103	QPN	ZG	0.00	450.00	3.30	450.00
601	-16	-17	T	103	QPN	ZG	0.00	450.00	1.07	450.00
604	10	-65	T	104	QPN	ZG	0.00	450.00	0.47	450.00
604	-65	-66	T	104	QPN	ZG	0.00	450.00	0.53	450.00
604	-66	-67	T	104	QPN	ZG	0.00	450.00	0.72	450.00
604	-67	11	T	104	QPN	ZG	0.00	450.00	0.43	450.00
604	11	-68	T	104	QPN	ZG	0.00	450.00	0.52	450.00
604	-68	-69	T	104	QPN	ZG	0.00	450.00	0.52	450.00
604	-69	-70	T	104	QPN	ZG	0.00	450.00	0.52	450.00

Relazione di calcolo

604	-70	-71	T	104	QPN	ZG	0.00	450.00	0.51	450.00
604	-71	-1689	T	104	QPN	ZG	0.00	450.00	0.43	450.00
604	-1689	12	T	104	QPN	ZG	0.00	450.00	0.10	450.00
604	12	-1662	T	105	QPN	ZG	0.00	450.00	0.10	450.00
604	-1662	-72	T	105	QPN	ZG	0.00	450.00	0.43	450.00
604	-72	-73	T	105	QPN	ZG	0.00	450.00	3.39	450.00
604	-73	-1634	T	105	QPN	ZG	0.00	450.00	0.40	450.00
604	-1634	13	T	105	QPN	ZG	0.00	450.00	0.13	450.00
604	13	-1632	T	106	QPN	ZG	0.00	450.00	0.13	450.00
604	-1632	-74	T	106	QPN	ZG	0.00	450.00	0.40	450.00
604	-74	-75	T	106	QPN	ZG	0.00	450.00	4.97	450.00
604	-75	-1343	T	106	QPN	ZG	0.00	450.00	1.26	450.00
604	-1343	-77	T	106	QPN	ZG	0.00	450.00	0.43	450.00
604	-77	-1631	T	106	QPN	ZG	0.00	450.00	0.37	450.00
604	-1631	14	T	106	QPN	ZG	0.00	450.00	0.14	450.00
607	-57	5	T	107	QPN	ZG	0.00	450.00	0.66	450.00
607	-57	-62	T	107	QPN	ZG	0.00	450.00	2.02	450.00
607	-1537	-62	T	107	QPN	ZG	0.00	450.00	0.40	450.00
607	9	-1537	T	107	QPN	ZG	0.00	450.00	0.20	450.00
607	-1536	9	T	108	QPN	ZG	0.00	450.00	0.20	450.00
607	-78	-1536	T	108	QPN	ZG	0.00	450.00	0.40	450.00
607	-81	-78	T	108	QPN	ZG	0.00	450.00	2.30	450.00
607	15	-81	T	108	QPN	ZG	0.00	450.00	0.40	450.00
607	-86	15	T	109	QPN	ZG	0.00	450.00	0.42	450.00
607	-88	-86	T	109	QPN	ZG	0.00	450.00	1.70	450.00
607	-89	-88	T	109	QPN	ZG	0.00	450.00	0.34	450.00
611	-79	12	T	111	QPN	ZG	0.00	450.00	0.66	450.00
611	-80	-79	T	111	QPN	ZG	0.00	450.00	2.14	450.00
611	17	-80	T	111	QPN	ZG	0.00	450.00	0.50	450.00
611	-87	17	T	112	QPN	ZG	0.00	450.00	0.85	450.00
611	-91	-87	T	112	QPN	ZG	0.00	450.00	2.55	450.00
611	20	-91	T	112	QPN	ZG	0.00	450.00	0.85	450.00

Elenco carichi aste

Condizione di carico n. 5: Permanente strutturale

Carichi distribuiti

Asta	N1	N2	E	NE	T	DC	Xi <m>	Qi <daN/m>	Xf <m>	Qf <daN/m>
0	-300	101	S	107	QPS	ZG	0.00	1057.50	0.63	1057.50
0	-301	104	S	108	QPS	ZG	0.00	1155.75	0.63	1155.75
0	-305	-301	S	108	QPS	ZG	0.00	1155.75	0.63	1155.75
0	-731	204	S	208	QPS	ZG	0.00	1155.75	0.63	1155.75
0	-309	-305	S	108	QPS	ZG	0.00	1155.75	0.63	1155.75
0	-313	-309	S	108	QPS	ZG	0.00	1155.75	0.63	1155.75
0	-315	-313	S	108	QPS	ZG	0.00	1155.75	0.63	1155.75
0	-317	-315	S	108	QPS	ZG	0.00	1155.75	0.63	1155.75
0	-745	-743	S	208	QPS	ZG	0.00	1155.75	0.63	1155.75
0	-735	-731	S	208	QPS	ZG	0.00	1155.75	0.63	1155.75
0	-739	-735	S	208	QPS	ZG	0.00	1155.75	0.63	1155.75
0	-319	-317	S	108	QPS	ZG	0.00	1155.75	0.63	1155.75
0	-327	-323	S	108	QPS	ZG	0.00	1155.75	0.63	1155.75
0	-743	-739	S	208	QPS	ZG	0.00	1155.75	0.63	1155.75
0	-747	-745	S	208	QPS	ZG	0.00	1155.75	0.63	1155.75
0	-323	-319	S	108	QPS	ZG	0.00	1155.75	0.63	1155.75
0	-753	-749	S	208	QPS	ZG	0.00	1155.75	0.63	1155.75
0	-757	-753	S	208	QPS	ZG	0.00	1155.75	0.63	1155.75
0	108	-327	S	108	QPS	ZG	0.00	1155.75	0.63	1155.75
0	-749	-747	S	208	QPS	ZG	0.00	1155.75	0.63	1155.75
0	208	-757	S	208	QPS	ZG	0.00	1155.75	0.63	1155.75
104	109	-348	S	101	QPS	ZG	0.00	495.00	0.98	495.00
104	-348	-349	S	101	QPS	ZG	0.00	495.00	2.94	495.00
104	-349	110	S	101	QPS	ZG	0.00	495.00	0.98	495.00
105	115	-1541	S	101	QPS	ZG	0.00	495.00	0.25	495.00
105	115	-1541	S	109	QPS	ZG	0.00	637.50	0.25	637.50
105	-1541	-364	S	101	QPS	ZG	0.00	495.00	0.25	495.00
105	-1541	-364	S	109	QPS	ZG	0.00	637.50	0.25	637.50
105	-364	-365	S	101	QPS	ZG	0.00	495.00	1.46	495.00
105	-364	-365	S	109	QPS	ZG	0.00	637.50	1.46	637.50
105	-365	-366	S	101	QPS	ZG	0.00	495.00	0.98	495.00
105	-365	-366	S	109	QPS	ZG	0.00	637.50	0.98	637.50
105	-366	-367	S	101	QPS	ZG	0.00	495.00	1.46	495.00
105	-366	-367	S	109	QPS	ZG	1.21	637.50	1.46	425.00
105	-366	-367	S	109	QPS	ZG	0.00	637.50	1.21	637.50
105	-367	116	S	101	QPS	ZG	0.00	495.00	0.50	495.00
105	-367	116	S	109	QPS	ZG	0.00	425.00	0.50	0.00
106	119	118	S	109	QPS	ZG	0.00	637.50	4.15	637.50
107	-304	-300	S	107	QPS	ZG	0.00	1057.50	0.63	1057.50
107	-308	-304	S	107	QPS	ZG	0.00	1057.50	0.63	1057.50

Relazione di calcolo

107	-312	-308	S	107	QPS	ZG	0.00	1057.50	0.63	1057.50
107	-314	-312	S	107	QPS	ZG	0.00	1057.50	0.63	1057.50
107	-316	-314	S	107	QPS	ZG	0.00	1057.50	0.63	1057.50
107	-318	-316	S	107	QPS	ZG	0.00	1057.50	0.63	1057.50
107	-320	-318	S	107	QPS	ZG	0.00	1057.50	0.63	1057.50
107	-324	-320	S	107	QPS	ZG	0.00	1057.50	0.63	1057.50
107	105	-324	S	107	QPS	ZG	0.00	1057.50	0.63	1057.50
107	-347	105	S	105	QPS	ZG	0.00	1057.50	2.67	1057.50
107	-1525	-347	S	105	QPS	ZG	0.00	1057.50	0.40	1057.50
107	109	-1525	S	105	QPS	ZG	0.00	1057.50	0.20	1057.50
110	-1363	102	S	104	QPS	ZG	0.00	1057.50	0.72	1057.50
110	-1363	102	S	107	QPS	ZG	0.00	1057.50	0.72	1057.50
110	-302	-1363	S	104	QPS	ZG	0.00	1057.50	0.70	1057.50
110	-302	-1363	S	107	QPS	ZG	0.00	1057.50	0.70	1057.50
110	-306	-302	S	104	QPS	ZG	0.00	1057.50	0.57	1057.50
110	-306	-302	S	107	QPS	ZG	0.00	1057.50	0.57	1057.50
110	-310	-306	S	104	QPS	ZG	0.00	1057.50	0.63	1057.50
110	-310	-306	S	107	QPS	ZG	0.00	1057.50	0.63	1057.50
110	-321	-310	S	104	QPS	ZG	0.00	1057.50	2.17	1057.50
110	-321	-310	S	107	QPS	ZG	0.00	1057.50	2.17	1057.50
110	-325	-321	S	104	QPS	ZG	0.00	1057.50	0.56	1057.50
110	-325	-321	S	107	QPS	ZG	0.00	1057.50	0.56	1057.50
110	-1397	-325	S	104	QPS	ZG	0.00	1057.50	0.70	1057.50
110	-1397	-325	S	107	QPS	ZG	0.00	1057.50	0.70	1057.50
110	106	-1397	S	104	QPS	ZG	0.00	1057.50	0.25	1057.50
110	106	-1397	S	107	QPS	ZG	0.00	1057.50	0.25	1057.50
110	-1390	106	S	103	QPS	ZG	0.00	1057.50	0.25	1057.50
110	-1390	106	S	105	QPS	ZG	0.00	1057.50	0.25	1057.50
110	-340	-1390	S	103	QPS	ZG	0.00	1057.50	0.70	1057.50
110	-340	-1390	S	105	QPS	ZG	0.00	1057.50	0.70	1057.50
110	-343	-340	S	103	QPS	ZG	0.00	1057.50	0.50	1057.50
110	-343	-340	S	105	QPS	ZG	0.00	1057.50	0.50	1057.50
110	-345	-343	S	103	QPS	ZG	0.00	1057.50	1.17	1057.50
110	-345	-343	S	105	QPS	ZG	0.00	1057.50	1.17	1057.50
110	111	-345	S	103	QPS	ZG	0.00	1057.50	0.66	1057.50
110	111	-345	S	105	QPS	ZG	0.00	1057.50	0.66	1057.50
111	117	112	S	100	QPS	ZG	0.00	712.50	3.30	712.50
111	117	120	S	102	QPS	ZG	0.00	712.50	4.25	825.00
112	-1413	103	S	104	QPS	ZG	0.00	1057.50	0.72	1057.50
112	-1413	103	S	108	QPS	ZG	0.00	1155.75	0.72	1155.75
112	-303	-1413	S	104	QPS	ZG	0.00	1057.50	0.70	1057.50
112	-303	-1413	S	108	QPS	ZG	0.00	1155.75	0.70	1155.75
112	-307	-303	S	104	QPS	ZG	0.00	1057.50	0.57	1057.50
112	-307	-303	S	108	QPS	ZG	0.00	1155.75	0.57	1155.75
112	-311	-307	S	104	QPS	ZG	0.00	1057.50	0.63	1057.50
112	-311	-307	S	108	QPS	ZG	0.00	1155.75	0.63	1155.75
112	-322	-311	S	104	QPS	ZG	0.00	1057.50	2.17	1057.50
112	-322	-311	S	108	QPS	ZG	0.00	1155.75	2.17	1155.75
112	-326	-322	S	104	QPS	ZG	0.00	1057.50	0.56	1057.50
112	-326	-322	S	108	QPS	ZG	0.00	1155.75	0.56	1155.75
112	-1429	-326	S	104	QPS	ZG	0.00	1057.50	0.70	1057.50
112	-1429	-326	S	108	QPS	ZG	0.00	1155.75	0.70	1155.75
112	107	-1429	S	104	QPS	ZG	0.00	1057.50	0.25	1057.50
112	107	-1429	S	108	QPS	ZG	0.00	1155.75	0.25	1155.75
112	-1454	107	S	103	QPS	ZG	0.00	1057.50	0.25	1057.50
112	-1454	107	S	106	QPS	ZG	0.00	1155.75	0.25	1155.75
112	-341	-1454	S	103	QPS	ZG	0.00	1057.50	0.70	1057.50
112	-341	-1454	S	106	QPS	ZG	0.00	1155.75	0.70	1155.75
112	-344	-341	S	103	QPS	ZG	0.00	1057.50	0.49	1057.50
112	-344	-341	S	106	QPS	ZG	0.00	1155.75	0.49	1155.75
112	113	-344	S	103	QPS	ZG	0.00	1057.50	1.83	1057.50
112	113	-344	S	106	QPS	ZG	0.00	1155.75	1.83	1155.75
113	-342	108	S	106	QPS	ZG	0.00	1155.75	0.66	1155.75
113	-346	-342	S	106	QPS	ZG	0.00	1155.75	1.97	1155.75
113	114	-346	S	106	QPS	ZG	0.00	1155.75	0.66	1155.75
115	110	-361	S	100	QPS	ZG	0.00	712.50	0.66	712.50
115	-362	-361	S	100	QPS	ZG	0.00	712.50	1.98	712.50
115	-362	116	S	100	QPS	ZG	0.00	712.50	0.66	712.50
115	116	119	S	102	QPS	ZG	0.00	701.66	4.32	812.45
115	116	119	S	109	QPS	ZG	2.88	73.86	4.32	110.79
115	116	119	S	109	QPS	ZG	0.00	0.00	2.88	73.86
204	209	-778	S	201	QPS	ZG	0.00	495.00	0.98	495.00
204	-778	-779	S	201	QPS	ZG	0.00	495.00	2.94	495.00
204	-779	210	S	201	QPS	ZG	0.00	495.00	0.98	495.00
205	215	-1545	S	201	QPS	ZG	0.00	495.00	0.25	495.00
205	215	-1545	S	209	QPS	ZG	0.00	637.50	0.25	637.50
205	-1545	-794	S	201	QPS	ZG	0.00	495.00	0.25	495.00
205	-1545	-794	S	209	QPS	ZG	0.00	637.50	0.25	637.50
205	-794	-795	S	201	QPS	ZG	0.00	495.00	1.46	495.00

Relazione di calcolo

205	-794	-795	S	209	QPS	ZG	0.00	637.50	1.46	637.50
205	-795	-796	S	201	QPS	ZG	0.00	495.00	0.98	495.00
205	-795	-796	S	209	QPS	ZG	0.00	637.50	0.98	637.50
205	-796	-797	S	201	QPS	ZG	0.00	495.00	1.46	495.00
205	-796	-797	S	209	QPS	ZG	1.21	637.50	1.46	425.00
205	-796	-797	S	209	QPS	ZG	0.00	637.50	1.21	637.50
205	-797	216	S	201	QPS	ZG	0.00	495.00	0.50	495.00
205	-797	216	S	209	QPS	ZG	0.00	425.00	0.50	0.00
206	219	218	S	209	QPS	ZG	0.00	637.50	4.15	637.50
207	-730	201	S	207	QPS	ZG	0.00	1057.50	0.63	1057.50
207	-734	-730	S	207	QPS	ZG	0.00	1057.50	0.63	1057.50
207	-738	-734	S	207	QPS	ZG	0.00	1057.50	0.63	1057.50
207	-742	-738	S	207	QPS	ZG	0.00	1057.50	0.63	1057.50
207	-744	-742	S	207	QPS	ZG	0.00	1057.50	0.63	1057.50
207	-746	-744	S	207	QPS	ZG	0.00	1057.50	0.63	1057.50
207	-748	-746	S	207	QPS	ZG	0.00	1057.50	0.63	1057.50
207	-750	-748	S	207	QPS	ZG	0.00	1057.50	0.63	1057.50
207	-754	-750	S	207	QPS	ZG	0.00	1057.50	0.63	1057.50
207	205	-754	S	207	QPS	ZG	0.00	1057.50	0.63	1057.50
207	-777	205	S	200	QPS	ZG	0.00	1057.50	2.67	1057.50
207	-1530	-777	S	200	QPS	ZG	0.00	1057.50	0.40	1057.50
207	209	-1530	S	200	QPS	ZG	0.00	1057.50	0.20	1057.50
210	-1369	202	S	207	QPS	ZG	0.00	1057.50	0.72	1057.50
210	-1369	202	S	204	QPS	ZG	0.00	1057.50	0.72	1057.50
210	-732	-1369	S	207	QPS	ZG	0.00	1057.50	0.70	1057.50
210	-732	-1369	S	204	QPS	ZG	0.00	1057.50	0.70	1057.50
210	-740	-732	S	207	QPS	ZG	0.00	1057.50	0.70	1057.50
210	-740	-732	S	204	QPS	ZG	0.00	1057.50	0.70	1057.50
210	-751	-740	S	207	QPS	ZG	0.00	1057.50	2.60	1057.50
210	-751	-740	S	204	QPS	ZG	0.00	1057.50	2.60	1057.50
210	-755	-751	S	207	QPS	ZG	0.00	1057.50	0.63	1057.50
210	-755	-751	S	204	QPS	ZG	0.00	1057.50	0.63	1057.50
210	-1403	-755	S	207	QPS	ZG	0.00	1057.50	0.70	1057.50
210	-1403	-755	S	204	QPS	ZG	0.00	1057.50	0.70	1057.50
210	206	-1403	S	207	QPS	ZG	0.00	1057.50	0.25	1057.50
210	206	-1403	S	204	QPS	ZG	0.00	1057.50	0.25	1057.50
210	-1384	206	S	200	QPS	ZG	0.00	1057.50	0.25	1057.50
210	-1384	206	S	205	QPS	ZG	0.00	1057.50	0.25	1057.50
210	-770	-1384	S	200	QPS	ZG	0.00	1057.50	0.70	1057.50
210	-770	-1384	S	205	QPS	ZG	0.00	1057.50	0.70	1057.50
210	-773	-770	S	200	QPS	ZG	0.00	1057.50	0.50	1057.50
210	-773	-770	S	205	QPS	ZG	0.00	1057.50	0.50	1057.50
210	-775	-773	S	200	QPS	ZG	0.00	1057.50	1.17	1057.50
210	-775	-773	S	205	QPS	ZG	0.00	1057.50	1.17	1057.50
210	211	-775	S	200	QPS	ZG	0.00	1057.50	0.66	1057.50
210	211	-775	S	205	QPS	ZG	0.00	1057.50	0.66	1057.50
211	217	212	S	203	QPS	ZG	0.00	712.50	3.30	712.50
211	217	220	S	202	QPS	ZG	0.00	712.50	4.25	825.00
212	-1419	203	S	208	QPS	ZG	0.00	1155.75	0.72	1155.75
212	-1419	203	S	204	QPS	ZG	0.00	1057.50	0.72	1057.50
212	-733	-1419	S	208	QPS	ZG	0.00	1155.75	0.70	1155.75
212	-733	-1419	S	204	QPS	ZG	0.00	1057.50	0.70	1057.50
212	-737	-733	S	208	QPS	ZG	0.00	1155.75	0.72	1155.75
212	-737	-733	S	204	QPS	ZG	0.00	1057.50	0.72	1057.50
212	-752	-737	S	208	QPS	ZG	0.00	1155.75	2.64	1155.75
212	-752	-737	S	204	QPS	ZG	0.00	1057.50	2.64	1057.50
212	-756	-752	S	208	QPS	ZG	0.00	1155.75	0.56	1155.75
212	-756	-752	S	204	QPS	ZG	0.00	1057.50	0.56	1057.50
212	-1435	-756	S	208	QPS	ZG	0.00	1155.75	0.70	1155.75
212	-1435	-756	S	204	QPS	ZG	0.00	1057.50	0.70	1057.50
212	207	-1435	S	208	QPS	ZG	0.00	1155.75	0.25	1155.75
212	207	-1435	S	204	QPS	ZG	0.00	1057.50	0.25	1057.50
212	-1448	207	S	205	QPS	ZG	0.00	1057.50	0.25	1057.50
212	-1448	207	S	206	QPS	ZG	0.00	1155.75	0.25	1155.75
212	-771	-1448	S	205	QPS	ZG	0.00	1057.50	0.70	1057.50
212	-771	-1448	S	206	QPS	ZG	0.00	1155.75	0.70	1155.75
212	-774	-771	S	205	QPS	ZG	0.00	1057.50	0.49	1057.50
212	-774	-771	S	206	QPS	ZG	0.00	1155.75	0.49	1155.75
212	213	-774	S	205	QPS	ZG	0.00	1057.50	1.83	1057.50
212	213	-774	S	206	QPS	ZG	0.00	1155.75	1.83	1155.75
213	-772	208	S	206	QPS	ZG	0.00	1155.75	0.66	1155.75
213	-776	-772	S	206	QPS	ZG	0.00	1155.75	1.97	1155.75
213	214	-776	S	206	QPS	ZG	0.00	1155.75	0.66	1155.75
215	210	-791	S	203	QPS	ZG	0.00	712.50	0.66	712.50
215	-791	-792	S	203	QPS	ZG	0.00	712.50	1.98	712.50
215	-792	216	S	203	QPS	ZG	0.00	712.50	0.66	712.50
215	216	219	S	202	QPS	ZG	0.00	701.66	4.32	812.45
215	216	219	S	209	QPS	ZG	2.88	73.86	4.32	110.79
215	216	219	S	209	QPS	ZG	0.00	0.00	2.88	73.86

Relazione di calcolo

301	301	-1505	S	409	QPS	ZG	0.00	0.00	0.26	15.22
301	301	-1505	S	308	QPS	ZG	0.00	945.00	0.26	945.00
301	-1505	-1147	S	409	QPS	ZG	0.00	15.22	0.54	46.84
301	-1505	-1147	S	308	QPS	ZG	0.00	945.00	0.54	945.00
301	-1147	-1148	S	409	QPS	ZG	0.00	46.84	0.50	76.11
301	-1147	-1148	S	308	QPS	ZG	0.00	945.00	0.50	945.00
301	-1148	-1149	S	409	QPS	ZG	0.00	76.11	1.63	171.31
301	-1148	-1149	S	308	QPS	ZG	0.00	945.00	1.63	945.00
301	-1149	-1150	S	409	QPS	ZG	0.00	171.31	1.20	241.45
301	-1149	-1150	S	308	QPS	ZG	0.00	945.00	1.20	945.00
301	-1150	-1151	S	409	QPS	ZG	0.00	241.45	0.70	282.49
301	-1150	-1151	S	308	QPS	ZG	0.00	945.00	1.90	945.00
301	-1150	-1151	S	409	QPS	ZG	0.70	282.49	1.90	282.49
301	-1151	-1152	S	409	QPS	ZG	0.00	282.49	0.50	282.49
301	-1151	-1152	S	308	QPS	ZG	0.00	945.00	0.50	945.00
301	-1152	-1616	S	409	QPS	ZG	0.00	282.49	0.40	282.49
301	-1152	-1616	S	308	QPS	ZG	0.00	945.00	0.40	945.00
301	-1616	302	S	409	QPS	ZG	0.00	282.49	0.13	282.49
301	-1616	302	S	308	QPS	ZG	0.00	945.00	0.13	945.00
301	302	-1614	S	405	QPS	ZG	0.00	282.49	0.13	282.49
301	302	-1614	S	305	QPS	ZG	0.00	945.00	0.13	945.00
301	-1614	-1153	S	405	QPS	ZG	0.00	282.49	0.40	282.49
301	-1614	-1153	S	305	QPS	ZG	0.00	945.00	0.40	945.00
301	-1153	-1154	S	405	QPS	ZG	0.00	282.49	0.50	282.49
301	-1153	-1154	S	305	QPS	ZG	0.00	945.00	0.50	945.00
301	-1154	-1155	S	405	QPS	ZG	0.00	282.49	1.90	282.49
301	-1154	-1155	S	305	QPS	ZG	0.00	945.00	1.90	945.00
301	-1155	-1156	S	405	QPS	ZG	0.00	282.49	1.20	282.49
301	-1155	-1156	S	305	QPS	ZG	0.00	945.00	1.20	945.00
301	-1156	-1157	S	405	QPS	ZG	0.00	282.49	1.90	282.49
301	-1156	-1157	S	305	QPS	ZG	0.00	945.00	1.90	945.00
301	-1157	-1158	S	405	QPS	ZG	0.00	282.49	0.50	282.49
301	-1157	-1158	S	305	QPS	ZG	0.00	945.00	0.50	945.00
301	-1158	-1617	S	405	QPS	ZG	0.00	282.49	0.40	282.49
301	-1158	-1617	S	305	QPS	ZG	0.00	945.00	0.40	945.00
301	-1617	303	S	405	QPS	ZG	0.00	282.49	0.13	282.49
301	-1617	303	S	305	QPS	ZG	0.00	945.00	0.13	945.00
301	303	-1615	S	307	QPS	ZG	0.00	945.00	0.13	945.00
301	303	-1615	S	406	QPS	ZG	0.00	282.49	0.13	282.49
301	-1615	-1159	S	307	QPS	ZG	0.00	945.00	0.40	945.00
301	-1615	-1159	S	406	QPS	ZG	0.00	282.49	0.40	282.49
301	-1159	-1160	S	307	QPS	ZG	0.00	945.00	0.50	945.00
301	-1159	-1160	S	406	QPS	ZG	0.00	282.49	0.50	282.49
301	-1160	-1161	S	307	QPS	ZG	0.00	945.00	2.16	945.00
301	-1160	-1161	S	406	QPS	ZG	0.00	282.49	2.16	282.49
301	-1161	-1162	S	307	QPS	ZG	0.00	945.00	1.33	945.00
301	-1161	-1162	S	406	QPS	ZG	0.00	282.49	1.33	282.49
301	-1162	-1163	S	307	QPS	ZG	0.00	945.00	2.01	945.00
301	-1162	-1163	S	406	QPS	ZG	0.00	282.49	2.01	282.49
301	-1163	-1164	S	307	QPS	ZG	0.00	945.00	0.50	945.00
301	-1163	-1164	S	406	QPS	ZG	0.00	282.49	0.50	282.49
301	-1164	-1490	S	307	QPS	ZG	0.00	945.00	0.55	945.00
301	-1164	-1490	S	406	QPS	ZG	0.00	282.49	0.55	282.49
301	-1490	304	S	307	QPS	ZG	0.00	945.00	0.13	945.00
301	-1490	304	S	406	QPS	ZG	0.00	282.49	0.13	282.49
303	305	-1193	S	300	QPS	ZG	0.00	491.25	1.41	491.25
303	305	-1193	S	308	QPS	ZG	0.00	945.00	1.41	945.00
303	-1193	-1194	S	300	QPS	ZG	0.00	491.25	1.41	491.25
303	-1193	-1194	S	308	QPS	ZG	0.00	945.00	1.41	945.00
303	-1194	-1195	S	300	QPS	ZG	0.00	491.25	1.41	491.25
303	-1194	-1195	S	308	QPS	ZG	0.00	945.00	1.41	945.00
303	-1195	-1196	S	300	QPS	ZG	0.00	491.25	1.41	491.25
303	-1195	-1196	S	308	QPS	ZG	0.00	945.00	1.41	945.00
303	-1196	306	S	300	QPS	ZG	0.00	491.25	1.41	491.25
303	-1196	306	S	308	QPS	ZG	0.00	945.00	1.41	945.00
303	306	-1197	S	306	QPS	ZG	0.00	491.25	1.41	491.25
303	306	-1197	S	305	QPS	ZG	0.00	945.00	1.41	945.00
303	-1197	-1198	S	306	QPS	ZG	0.00	491.25	1.41	491.25
303	-1197	-1198	S	305	QPS	ZG	0.00	945.00	1.41	945.00
303	-1198	-1199	S	306	QPS	ZG	0.00	491.25	1.41	491.25
303	-1198	-1199	S	305	QPS	ZG	0.00	945.00	1.41	945.00
303	-1199	-1200	S	306	QPS	ZG	0.00	491.25	1.41	491.25
303	-1199	-1200	S	305	QPS	ZG	0.00	945.00	1.41	945.00
303	-1200	307	S	306	QPS	ZG	0.00	491.25	1.41	491.25
303	-1200	307	S	305	QPS	ZG	0.00	945.00	1.41	945.00
303	307	-1201	S	302	QPS	ZG	0.00	491.25	2.71	491.25
303	307	-1201	S	307	QPS	ZG	0.00	945.00	2.71	945.00
303	-1201	-1202	S	302	QPS	ZG	0.00	491.25	0.63	491.25
303	-1201	-1202	S	307	QPS	ZG	0.00	945.00	0.63	945.00

Relazione di calcolo

303	-1202	-1203	S	302	QPS	ZG	0.00	491.25	0.63	491.25
303	-1202	-1203	S	307	QPS	ZG	0.00	945.00	0.63	945.00
303	-1203	-1204	S	302	QPS	ZG	0.00	491.25	0.63	491.25
303	-1203	-1204	S	307	QPS	ZG	0.00	945.00	0.63	945.00
303	-1204	-1205	S	302	QPS	ZG	0.00	491.25	0.63	491.25
303	-1204	-1205	S	307	QPS	ZG	0.00	945.00	0.63	945.00
303	-1205	-1206	S	302	QPS	ZG	0.00	491.25	0.63	491.25
303	-1205	-1206	S	307	QPS	ZG	0.00	945.00	0.63	945.00
303	-1206	-1207	S	302	QPS	ZG	0.00	491.25	0.63	491.25
303	-1206	-1207	S	307	QPS	ZG	0.00	945.00	0.63	945.00
303	-1207	-1208	S	302	QPS	ZG	0.00	491.25	0.63	491.25
303	-1207	-1208	S	307	QPS	ZG	0.00	945.00	0.63	945.00
303	-1208	308	S	302	QPS	ZG	0.00	491.25	0.63	491.25
303	-1208	308	S	307	QPS	ZG	0.00	945.00	0.63	945.00
304	309	-1217	S	300	QPS	ZG	0.00	491.25	0.98	491.25
304	-1217	-1218	S	300	QPS	ZG	0.00	491.25	0.98	491.25
304	-1218	-1219	S	300	QPS	ZG	0.00	491.25	0.98	491.25
304	-1219	-1220	S	300	QPS	ZG	0.00	491.25	0.98	491.25
304	-1220	310	S	300	QPS	ZG	0.00	491.25	0.98	491.25
304	310	-1221	S	300	QPS	ZG	0.00	491.25	0.47	491.25
304	-1221	-1222	S	300	QPS	ZG	0.00	491.25	0.53	491.25
304	-1222	311	S	300	QPS	ZG	0.00	491.25	1.15	491.25
304	311	-1223	S	306	QPS	ZG	0.00	491.25	0.52	491.25
304	-1223	-1224	S	306	QPS	ZG	0.00	491.25	1.55	491.25
304	-1224	-1683	S	306	QPS	ZG	0.00	491.25	0.43	491.25
304	-1683	312	S	306	QPS	ZG	0.00	491.25	0.10	491.25
304	-1688	312	S	404	QPS	ZG	0.00	282.49	0.10	282.49
304	-1688	312	S	306	QPS	ZG	0.00	491.25	0.10	491.25
304	-1225	-1688	S	404	QPS	ZG	0.00	282.49	0.43	282.49
304	-1225	-1688	S	306	QPS	ZG	0.00	491.25	0.43	491.25
304	-1226	-1225	S	404	QPS	ZG	0.00	282.49	3.39	282.49
304	-1226	-1225	S	306	QPS	ZG	0.00	491.25	3.39	491.25
304	-1647	-1226	S	404	QPS	ZG	0.00	282.49	0.40	282.49
304	-1647	-1226	S	306	QPS	ZG	0.00	491.25	0.40	491.25
304	313	-1647	S	404	QPS	ZG	0.00	282.49	0.13	282.49
304	313	-1647	S	306	QPS	ZG	0.00	491.25	0.13	491.25
304	313	-1653	S	302	QPS	ZG	0.00	491.25	0.13	491.25
304	313	-1653	S	407	QPS	ZG	0.00	282.49	0.13	282.49
304	-1653	-1227	S	302	QPS	ZG	0.00	491.25	0.40	491.25
304	-1653	-1227	S	407	QPS	ZG	0.00	282.49	0.40	282.49
304	-1227	-1228	S	302	QPS	ZG	0.00	491.25	2.55	491.25
304	-1227	-1228	S	407	QPS	ZG	0.00	282.49	2.55	282.49
304	-1228	-1229	S	302	QPS	ZG	0.00	491.25	1.54	491.25
304	-1228	-1229	S	407	QPS	ZG	0.00	282.49	1.54	282.49
304	-1229	-1230	S	302	QPS	ZG	0.00	491.25	1.54	491.25
304	-1229	-1230	S	407	QPS	ZG	0.00	282.49	1.54	282.49
304	-1230	-1231	S	302	QPS	ZG	0.00	491.25	0.60	491.25
304	-1230	-1231	S	407	QPS	ZG	0.00	282.49	0.60	282.49
304	-1231	-1232	S	302	QPS	ZG	0.00	491.25	0.43	491.25
304	-1231	-1232	S	407	QPS	ZG	0.00	282.49	0.43	282.49
304	-1232	-1620	S	302	QPS	ZG	0.00	491.25	0.37	491.25
304	-1232	-1620	S	407	QPS	ZG	0.00	282.49	0.37	282.49
304	-1620	314	S	302	QPS	ZG	0.00	491.25	0.14	491.25
304	-1620	314	S	407	QPS	ZG	0.00	282.49	0.14	282.49
307	-1165	301	S	408	QPS	ZG	0.00	37.38	0.63	0.00
307	-1169	-1165	S	408	QPS	ZG	0.00	74.77	0.63	37.38
307	-1173	-1169	S	408	QPS	ZG	0.00	112.15	0.63	74.77
307	-1177	-1173	S	408	QPS	ZG	0.00	149.53	0.63	112.15
307	-1179	-1177	S	408	QPS	ZG	0.00	186.91	0.63	149.53
307	-1181	-1179	S	408	QPS	ZG	0.00	224.30	0.63	186.91
307	-1183	-1181	S	408	QPS	ZG	0.00	261.68	0.63	224.30
307	-1185	-1183	S	408	QPS	ZG	0.00	284.08	0.25	284.08
307	-1185	-1183	S	408	QPS	ZG	0.25	284.08	0.63	261.68
307	-1189	-1185	S	408	QPS	ZG	0.00	284.08	0.63	284.08
307	305	-1189	S	408	QPS	ZG	0.00	284.08	0.63	284.08
307	-1211	305	S	408	QPS	ZG	0.00	284.08	0.66	284.08
307	-1216	-1211	S	408	QPS	ZG	0.00	284.08	2.02	284.08
307	-1535	-1216	S	408	QPS	ZG	0.00	284.08	0.40	284.08
307	309	-1535	S	408	QPS	ZG	0.00	284.08	0.20	284.08
307	309	-1236	S	403	QPS	ZG	0.00	284.08	1.10	284.08
307	309	-1236	S	301	QPS	ZG	0.00	735.00	1.10	735.00
307	-1236	-1241	S	403	QPS	ZG	0.00	284.08	1.80	284.08
307	-1236	-1241	S	301	QPS	ZG	0.00	735.00	1.80	735.00
307	-1241	315	S	403	QPS	ZG	0.00	284.08	0.40	284.08
307	-1241	315	S	301	QPS	ZG	0.00	735.00	0.40	735.00
307	315	-1246	S	403	QPS	ZG	0.00	284.08	0.40	284.08
307	315	-1246	S	301	QPS	ZG	0.00	735.00	0.40	724.41
307	-1246	-1251	S	403	QPS	ZG	0.00	284.08	2.36	284.08
307	-1246	-1251	S	301	QPS	ZG	0.00	724.41	2.36	661.88

Relazione di calcolo

307	-1251	-1253	S	403	QPS	ZG	0.00	284.08	0.51	284.08
307	-1251	-1253	S	301	QPS	ZG	0.00	661.88	0.51	648.44
307	-1253	-1358	S	403	QPS	ZG	0.00	284.08	0.69	284.08
307	-1253	-1358	S	301	QPS	ZG	0.00	648.44	0.69	630.11
307	-1358	318	S	403	QPS	ZG	0.00	284.08	0.29	284.08
307	-1358	318	S	301	QPS	ZG	0.00	630.11	0.29	622.50
311	-1235	312	S	401	QPS	ZG	0.00	284.08	0.66	284.08
311	-1235	312	S	303	QPS	ZG	0.00	712.50	0.66	712.50
311	-1237	-1235	S	401	QPS	ZG	0.00	284.08	0.66	284.08
311	-1237	-1235	S	303	QPS	ZG	0.00	712.50	0.66	712.50
311	-1238	-1237	S	401	QPS	ZG	0.00	284.08	0.66	284.08
311	-1238	-1237	S	303	QPS	ZG	0.00	712.50	0.66	712.50
311	-1240	-1238	S	401	QPS	ZG	0.00	284.08	0.82	284.08
311	-1240	-1238	S	303	QPS	ZG	0.00	712.50	0.82	712.50
311	317	-1240	S	401	QPS	ZG	0.00	284.08	0.50	284.08
311	317	-1240	S	303	QPS	ZG	0.00	712.50	0.50	712.50
311	317	-1247	S	401	QPS	ZG	0.00	284.08	0.85	284.08
311	317	-1247	S	304	QPS	ZG	0.00	712.50	0.85	735.00
311	-1247	-1249	S	401	QPS	ZG	0.00	284.08	0.85	284.08
311	-1247	-1249	S	304	QPS	ZG	0.00	735.00	0.85	757.50
311	-1249	-1250	S	401	QPS	ZG	0.00	284.08	0.85	284.08
311	-1249	-1250	S	304	QPS	ZG	0.00	757.50	0.85	780.00
311	-1250	-1254	S	401	QPS	ZG	0.00	284.08	0.85	284.08
311	-1250	-1254	S	304	QPS	ZG	0.00	780.00	0.85	802.50
311	-1254	320	S	401	QPS	ZG	0.00	284.08	0.85	284.08
311	-1254	320	S	304	QPS	ZG	0.00	802.50	0.85	825.00
315	310	-1234	S	303	QPS	ZG	0.00	712.50	0.66	712.50
315	310	-1234	S	301	QPS	ZG	0.00	735.00	0.66	735.00
315	-1234	-1239	S	303	QPS	ZG	0.00	712.50	1.98	712.50
315	-1234	-1239	S	301	QPS	ZG	0.00	735.00	1.98	735.00
315	-1239	316	S	303	QPS	ZG	0.00	712.50	0.66	712.50
315	-1239	316	S	301	QPS	ZG	0.00	735.00	0.66	735.00
315	316	-1248	S	304	QPS	ZG	0.00	701.66	1.44	738.59
315	316	-1248	S	301	QPS	ZG	0.41	713.39	1.44	686.89
315	316	-1248	S	301	QPS	ZG	0.00	723.82	0.41	713.39
315	-1248	-1252	S	304	QPS	ZG	0.00	738.59	0.29	745.97
315	-1248	-1252	S	301	QPS	ZG	1.37	651.80	1.44	649.96
315	-1248	-1252	S	301	QPS	ZG	0.00	686.89	1.37	651.80
315	-1248	-1252	S	304	QPS	ZG	1.15	768.13	1.44	775.52
315	-1248	-1252	S	304	QPS	ZG	0.29	745.97	1.15	768.13
315	-1252	319	S	304	QPS	ZG	0.00	775.52	1.44	812.45
315	-1252	319	S	301	QPS	ZG	1.15	620.52	1.44	613.03
315	-1252	319	S	301	QPS	ZG	0.44	638.57	1.15	620.52
315	-1252	319	S	301	QPS	ZG	0.00	649.96	0.44	638.57
402	402	401	S	402	QPS	ZG	0.00	0.00	0.01	129.94
402	402	401	S	409	QPS	ZG	0.00	282.49	2.23	282.49
402	402	401	S	402	QPS	ZG	0.01	129.94	2.23	0.00
402	403	402	S	404	QPS	ZG	0.00	282.49	4.45	282.49
402	403	402	S	405	QPS	ZG	0.13	282.49	7.05	282.49
402	403	402	S	405	QPS	ZG	0.00	282.49	0.13	282.49
402	403	402	S	404	QPS	ZG	4.45	282.49	7.05	130.27
402	404	403	S	407	QPS	ZG	0.00	282.49	7.71	282.49
402	404	403	S	406	QPS	ZG	0.00	282.49	7.71	282.49
408	405	401	S	400	QPS	ZG	0.00	284.08	4.79	0.00
408	405	401	S	408	QPS	ZG	0.00	284.08	4.79	284.08
408	406	405	S	403	QPS	ZG	0.00	284.08	7.55	284.08
408	406	405	S	401	QPS	ZG	0.00	284.08	7.55	284.08
409	-1314	402	S	402	QPS	ZG	0.00	0.28	2.60	0.00
409	-1314	402	S	404	QPS	ZG	0.00	0.00	2.60	0.28
414	301	401	S	409	QPS	ZG	0.00	0.00	6.35	156.80
414	301	401	S	408	QPS	ZG	6.84	168.62	7.43	183.05
414	301	401	S	408	QPS	ZG	0.00	0.00	6.84	168.62
414	301	401	S	409	QPS	ZG	6.35	156.80	7.43	183.45
414	401	-1314	S	400	QPS	ZG	0.00	0.00	3.42	84.20
414	401	-1314	S	402	QPS	ZG	0.00	0.00	3.42	84.39
414	-1314	312	S	400	QPS	ZG	0.00	84.20	4.01	183.05
414	-1314	312	S	404	QPS	ZG	0.01	84.60	4.01	183.45
414	-1314	312	S	404	QPS	ZG	0.00	0.00	0.01	84.59

Elenco carichi aste

Condizione di carico n. 6: Permanente non strutturale

Carichi distribuiti

Asta	N1	N2	E	NE	T	DC	Xi <m>	Qi <daN/m>	Xf <m>	Qf <daN/m>
0	-300	101	S	107	QPN	ZG	0.00	705.00	0.63	705.00
0	-301	104	S	108	QPN	ZG	0.00	770.50	0.63	770.50
0	-305	-301	S	108	QPN	ZG	0.00	770.50	0.63	770.50
0	-731	204	S	208	QPN	ZG	0.00	770.50	0.63	770.50

Relazione di calcolo

0	-309	-305	S	108	QPN	ZG	0.00	770.50	0.63	770.50
0	-313	-309	S	108	QPN	ZG	0.00	770.50	0.63	770.50
0	-315	-313	S	108	QPN	ZG	0.00	770.50	0.63	770.50
0	-317	-315	S	108	QPN	ZG	0.00	770.50	0.63	770.50
0	-745	-743	S	208	QPN	ZG	0.00	770.50	0.63	770.50
0	-735	-731	S	208	QPN	ZG	0.00	770.50	0.63	770.50
0	-739	-735	S	208	QPN	ZG	0.00	770.50	0.63	770.50
0	-319	-317	S	108	QPN	ZG	0.00	770.50	0.63	770.50
0	-327	-323	S	108	QPN	ZG	0.00	770.50	0.63	770.50
0	-743	-739	S	208	QPN	ZG	0.00	770.50	0.63	770.50
0	-747	-745	S	208	QPN	ZG	0.00	770.50	0.63	770.50
0	-323	-319	S	108	QPN	ZG	0.00	770.50	0.63	770.50
0	-753	-749	S	208	QPN	ZG	0.00	770.50	0.63	770.50
0	-757	-753	S	208	QPN	ZG	0.00	770.50	0.63	770.50
0	108	-327	S	108	QPN	ZG	0.00	770.50	0.63	770.50
0	-749	-747	S	208	QPN	ZG	0.00	770.50	0.63	770.50
0	208	-757	S	208	QPN	ZG	0.00	770.50	0.63	770.50
104	109	-348	S	101	QPN	ZG	0.00	330.00	0.98	330.00
104	-348	-349	S	101	QPN	ZG	0.00	330.00	2.94	330.00
104	-349	110	S	101	QPN	ZG	0.00	330.00	0.98	330.00
105	115	-1541	S	101	QPN	ZG	0.00	330.00	0.25	330.00
105	115	-1541	S	109	QPN	ZG	0.00	425.00	0.25	425.00
105	-1541	-364	S	101	QPN	ZG	0.00	330.00	0.25	330.00
105	-1541	-364	S	109	QPN	ZG	0.00	425.00	0.25	425.00
105	-364	-365	S	101	QPN	ZG	0.00	330.00	1.46	330.00
105	-364	-365	S	109	QPN	ZG	0.00	425.00	1.46	425.00
105	-365	-366	S	101	QPN	ZG	0.00	330.00	0.98	330.00
105	-365	-366	S	109	QPN	ZG	0.00	425.00	0.98	425.00
105	-366	-367	S	101	QPN	ZG	0.00	330.00	1.46	330.00
105	-366	-367	S	109	QPN	ZG	1.21	425.00	1.46	283.33
105	-366	-367	S	109	QPN	ZG	0.00	425.00	1.21	425.00
105	-367	116	S	101	QPN	ZG	0.00	330.00	0.50	330.00
105	-367	116	S	109	QPN	ZG	0.00	283.33	0.50	0.00
106	119	118	S	109	QPN	ZG	0.00	425.00	4.15	425.00
107	-304	-300	S	107	QPN	ZG	0.00	705.00	0.63	705.00
107	-308	-304	S	107	QPN	ZG	0.00	705.00	0.63	705.00
107	-312	-308	S	107	QPN	ZG	0.00	705.00	0.63	705.00
107	-314	-312	S	107	QPN	ZG	0.00	705.00	0.63	705.00
107	-316	-314	S	107	QPN	ZG	0.00	705.00	0.63	705.00
107	-318	-316	S	107	QPN	ZG	0.00	705.00	0.63	705.00
107	-320	-318	S	107	QPN	ZG	0.00	705.00	0.63	705.00
107	-324	-320	S	107	QPN	ZG	0.00	705.00	0.63	705.00
107	105	-324	S	107	QPN	ZG	0.00	705.00	0.63	705.00
107	-347	105	S	105	QPN	ZG	0.00	705.00	2.67	705.00
107	-1525	-347	S	105	QPN	ZG	0.00	705.00	0.40	705.00
107	109	-1525	S	105	QPN	ZG	0.00	705.00	0.20	705.00
110	-1363	102	S	104	QPN	ZG	0.00	705.00	0.72	705.00
110	-1363	102	S	107	QPN	ZG	0.00	705.00	0.72	705.00
110	-302	-1363	S	104	QPN	ZG	0.00	705.00	0.70	705.00
110	-302	-1363	S	107	QPN	ZG	0.00	705.00	0.70	705.00
110	-306	-302	S	104	QPN	ZG	0.00	705.00	0.57	705.00
110	-306	-302	S	107	QPN	ZG	0.00	705.00	0.57	705.00
110	-310	-306	S	104	QPN	ZG	0.00	705.00	0.63	705.00
110	-310	-306	S	107	QPN	ZG	0.00	705.00	0.63	705.00
110	-321	-310	S	104	QPN	ZG	0.00	705.00	2.17	705.00
110	-321	-310	S	107	QPN	ZG	0.00	705.00	2.17	705.00
110	-325	-321	S	104	QPN	ZG	0.00	705.00	0.56	705.00
110	-325	-321	S	107	QPN	ZG	0.00	705.00	0.56	705.00
110	-1397	-325	S	104	QPN	ZG	0.00	705.00	0.70	705.00
110	-1397	-325	S	107	QPN	ZG	0.00	705.00	0.70	705.00
110	106	-1397	S	104	QPN	ZG	0.00	705.00	0.25	705.00
110	106	-1397	S	107	QPN	ZG	0.00	705.00	0.25	705.00
110	-1390	106	S	103	QPN	ZG	0.00	705.00	0.25	705.00
110	-1390	106	S	105	QPN	ZG	0.00	705.00	0.25	705.00
110	-340	-1390	S	103	QPN	ZG	0.00	705.00	0.70	705.00
110	-340	-1390	S	105	QPN	ZG	0.00	705.00	0.70	705.00
110	-343	-340	S	103	QPN	ZG	0.00	705.00	0.50	705.00
110	-343	-340	S	105	QPN	ZG	0.00	705.00	0.50	705.00
110	-345	-343	S	103	QPN	ZG	0.00	705.00	1.17	705.00
110	-345	-343	S	105	QPN	ZG	0.00	705.00	1.17	705.00
110	111	-345	S	103	QPN	ZG	0.00	705.00	0.66	705.00
110	111	-345	S	105	QPN	ZG	0.00	705.00	0.66	705.00
111	117	112	S	100	QPN	ZG	0.00	475.00	3.30	475.00
111	117	120	S	102	QPN	ZG	0.00	475.00	4.25	550.00
112	-1413	103	S	104	QPN	ZG	0.00	705.00	0.72	705.00
112	-1413	103	S	108	QPN	ZG	0.00	770.50	0.72	770.50
112	-303	-1413	S	104	QPN	ZG	0.00	705.00	0.70	705.00
112	-303	-1413	S	108	QPN	ZG	0.00	770.50	0.70	770.50
112	-307	-303	S	104	QPN	ZG	0.00	705.00	0.57	705.00

Relazione di calcolo

112	-307	-303	S	108	QPN	ZG	0.00	770.50	0.57	770.50
112	-311	-307	S	104	QPN	ZG	0.00	705.00	0.63	705.00
112	-311	-307	S	108	QPN	ZG	0.00	770.50	0.63	770.50
112	-322	-311	S	104	QPN	ZG	0.00	705.00	2.17	705.00
112	-322	-311	S	108	QPN	ZG	0.00	770.50	2.17	770.50
112	-326	-322	S	104	QPN	ZG	0.00	705.00	0.56	705.00
112	-326	-322	S	108	QPN	ZG	0.00	770.50	0.56	770.50
112	-1429	-326	S	104	QPN	ZG	0.00	705.00	0.70	705.00
112	-1429	-326	S	108	QPN	ZG	0.00	770.50	0.70	770.50
112	107	-1429	S	104	QPN	ZG	0.00	705.00	0.25	705.00
112	107	-1429	S	108	QPN	ZG	0.00	770.50	0.25	770.50
112	-1454	107	S	103	QPN	ZG	0.00	705.00	0.25	705.00
112	-1454	107	S	106	QPN	ZG	0.00	770.50	0.25	770.50
112	-341	-1454	S	103	QPN	ZG	0.00	705.00	0.70	705.00
112	-341	-1454	S	106	QPN	ZG	0.00	770.50	0.70	770.50
112	-344	-341	S	103	QPN	ZG	0.00	705.00	0.49	705.00
112	-344	-341	S	106	QPN	ZG	0.00	770.50	0.49	770.50
112	113	-344	S	103	QPN	ZG	0.00	705.00	1.83	705.00
112	113	-344	S	106	QPN	ZG	0.00	770.50	1.83	770.50
113	-342	108	S	106	QPN	ZG	0.00	770.50	0.66	770.50
113	-346	-342	S	106	QPN	ZG	0.00	770.50	1.97	770.50
113	114	-346	S	106	QPN	ZG	0.00	770.50	0.66	770.50
115	110	-361	S	100	QPN	ZG	0.00	475.00	0.66	475.00
115	-362	-361	S	100	QPN	ZG	0.00	475.00	1.98	475.00
115	-362	116	S	100	QPN	ZG	0.00	475.00	0.66	475.00
115	116	119	S	102	QPN	ZG	0.00	467.77	4.32	541.63
115	116	119	S	109	QPN	ZG	2.88	49.24	4.32	73.86
115	116	119	S	109	QPN	ZG	0.00	0.00	2.88	49.24
204	209	-778	S	201	QPN	ZG	0.00	330.00	0.98	330.00
204	-778	-779	S	201	QPN	ZG	0.00	330.00	2.94	330.00
204	-779	210	S	201	QPN	ZG	0.00	330.00	0.98	330.00
205	215	-1545	S	201	QPN	ZG	0.00	330.00	0.25	330.00
205	215	-1545	S	209	QPN	ZG	0.00	425.00	0.25	425.00
205	-1545	-794	S	201	QPN	ZG	0.00	330.00	0.25	330.00
205	-1545	-794	S	209	QPN	ZG	0.00	425.00	0.25	425.00
205	-794	-795	S	201	QPN	ZG	0.00	330.00	1.46	330.00
205	-794	-795	S	209	QPN	ZG	0.00	425.00	1.46	425.00
205	-795	-796	S	201	QPN	ZG	0.00	330.00	0.98	330.00
205	-795	-796	S	209	QPN	ZG	0.00	425.00	0.98	425.00
205	-796	-797	S	201	QPN	ZG	0.00	330.00	1.46	330.00
205	-796	-797	S	209	QPN	ZG	1.21	425.00	1.46	283.33
205	-796	-797	S	209	QPN	ZG	0.00	425.00	1.21	425.00
205	-797	216	S	201	QPN	ZG	0.00	330.00	0.50	330.00
205	-797	216	S	209	QPN	ZG	0.00	283.33	0.50	0.00
206	219	218	S	209	QPN	ZG	0.00	425.00	4.15	425.00
207	-730	201	S	207	QPN	ZG	0.00	705.00	0.63	705.00
207	-734	-730	S	207	QPN	ZG	0.00	705.00	0.63	705.00
207	-738	-734	S	207	QPN	ZG	0.00	705.00	0.63	705.00
207	-742	-738	S	207	QPN	ZG	0.00	705.00	0.63	705.00
207	-744	-742	S	207	QPN	ZG	0.00	705.00	0.63	705.00
207	-746	-744	S	207	QPN	ZG	0.00	705.00	0.63	705.00
207	-748	-746	S	207	QPN	ZG	0.00	705.00	0.63	705.00
207	-750	-748	S	207	QPN	ZG	0.00	705.00	0.63	705.00
207	-754	-750	S	207	QPN	ZG	0.00	705.00	0.63	705.00
207	205	-754	S	207	QPN	ZG	0.00	705.00	0.63	705.00
207	-777	205	S	200	QPN	ZG	0.00	705.00	2.67	705.00
207	-1530	-777	S	200	QPN	ZG	0.00	705.00	0.40	705.00
207	209	-1530	S	200	QPN	ZG	0.00	705.00	0.20	705.00
210	-1369	202	S	207	QPN	ZG	0.00	705.00	0.72	705.00
210	-1369	202	S	204	QPN	ZG	0.00	705.00	0.72	705.00
210	-732	-1369	S	207	QPN	ZG	0.00	705.00	0.70	705.00
210	-732	-1369	S	204	QPN	ZG	0.00	705.00	0.70	705.00
210	-740	-732	S	207	QPN	ZG	0.00	705.00	0.70	705.00
210	-740	-732	S	204	QPN	ZG	0.00	705.00	0.70	705.00
210	-751	-740	S	207	QPN	ZG	0.00	705.00	2.60	705.00
210	-751	-740	S	204	QPN	ZG	0.00	705.00	2.60	705.00
210	-755	-751	S	207	QPN	ZG	0.00	705.00	0.63	705.00
210	-755	-751	S	204	QPN	ZG	0.00	705.00	0.63	705.00
210	-1403	-755	S	207	QPN	ZG	0.00	705.00	0.70	705.00
210	-1403	-755	S	204	QPN	ZG	0.00	705.00	0.70	705.00
210	206	-1403	S	207	QPN	ZG	0.00	705.00	0.25	705.00
210	206	-1403	S	204	QPN	ZG	0.00	705.00	0.25	705.00
210	-1384	206	S	200	QPN	ZG	0.00	705.00	0.25	705.00
210	-1384	206	S	205	QPN	ZG	0.00	705.00	0.25	705.00
210	-770	-1384	S	200	QPN	ZG	0.00	705.00	0.70	705.00
210	-770	-1384	S	205	QPN	ZG	0.00	705.00	0.70	705.00
210	-773	-770	S	200	QPN	ZG	0.00	705.00	0.50	705.00
210	-773	-770	S	205	QPN	ZG	0.00	705.00	0.50	705.00
210	-775	-773	S	200	QPN	ZG	0.00	705.00	1.17	705.00

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210	-775	-773	S	205	QPN	ZG	0.00	705.00	1.17	705.00
210	211	-775	S	200	QPN	ZG	0.00	705.00	0.66	705.00
210	211	-775	S	205	QPN	ZG	0.00	705.00	0.66	705.00
211	217	212	S	203	QPN	ZG	0.00	475.00	3.30	475.00
211	217	220	S	202	QPN	ZG	0.00	475.00	4.25	550.00
212	-1419	203	S	208	QPN	ZG	0.00	770.50	0.72	770.50
212	-1419	203	S	204	QPN	ZG	0.00	705.00	0.72	705.00
212	-733	-1419	S	208	QPN	ZG	0.00	770.50	0.70	770.50
212	-733	-1419	S	204	QPN	ZG	0.00	705.00	0.70	705.00
212	-737	-733	S	208	QPN	ZG	0.00	770.50	0.72	770.50
212	-737	-733	S	204	QPN	ZG	0.00	705.00	0.72	705.00
212	-752	-737	S	208	QPN	ZG	0.00	770.50	2.64	770.50
212	-752	-737	S	204	QPN	ZG	0.00	705.00	2.64	705.00
212	-756	-752	S	208	QPN	ZG	0.00	770.50	0.56	770.50
212	-756	-752	S	204	QPN	ZG	0.00	705.00	0.56	705.00
212	-1435	-756	S	208	QPN	ZG	0.00	770.50	0.70	770.50
212	-1435	-756	S	204	QPN	ZG	0.00	705.00	0.70	705.00
212	207	-1435	S	208	QPN	ZG	0.00	770.50	0.25	770.50
212	207	-1435	S	204	QPN	ZG	0.00	705.00	0.25	705.00
212	-1448	207	S	205	QPN	ZG	0.00	705.00	0.25	705.00
212	-1448	207	S	206	QPN	ZG	0.00	770.50	0.25	770.50
212	-771	-1448	S	205	QPN	ZG	0.00	705.00	0.70	705.00
212	-771	-1448	S	206	QPN	ZG	0.00	770.50	0.70	770.50
212	-774	-771	S	205	QPN	ZG	0.00	705.00	0.49	705.00
212	-774	-771	S	206	QPN	ZG	0.00	770.50	0.49	770.50
212	213	-774	S	205	QPN	ZG	0.00	705.00	1.83	705.00
212	213	-774	S	206	QPN	ZG	0.00	770.50	1.83	770.50
213	-772	208	S	206	QPN	ZG	0.00	770.50	0.66	770.50
213	-776	-772	S	206	QPN	ZG	0.00	770.50	1.97	770.50
213	214	-776	S	206	QPN	ZG	0.00	770.50	0.66	770.50
215	210	-791	S	203	QPN	ZG	0.00	475.00	0.66	475.00
215	-791	-792	S	203	QPN	ZG	0.00	475.00	1.98	475.00
215	-792	216	S	203	QPN	ZG	0.00	475.00	0.66	475.00
215	216	219	S	202	QPN	ZG	0.00	467.77	4.32	541.63
215	216	219	S	209	QPN	ZG	2.88	49.24	4.32	73.86
215	216	219	S	209	QPN	ZG	0.00	0.00	2.88	49.24
301	301	-1505	S	409	QPN	ZG	0.00	0.00	0.26	13.70
301	301	-1505	S	308	QPN	ZG	0.00	157.50	0.26	157.50
301	-1505	-1147	S	409	QPN	ZG	0.00	13.70	0.54	42.15
301	-1505	-1147	S	308	QPN	ZG	0.00	157.50	0.54	157.50
301	-1147	-1148	S	409	QPN	ZG	0.00	42.15	0.50	68.50
301	-1147	-1148	S	308	QPN	ZG	0.00	157.50	0.50	157.50
301	-1148	-1149	S	409	QPN	ZG	0.00	68.50	1.63	154.18
301	-1148	-1149	S	308	QPN	ZG	0.00	157.50	1.63	157.50
301	-1149	-1150	S	409	QPN	ZG	0.00	154.18	1.20	217.30
301	-1149	-1150	S	308	QPN	ZG	0.00	157.50	1.20	157.50
301	-1150	-1151	S	409	QPN	ZG	0.00	217.30	0.70	254.24
301	-1150	-1151	S	308	QPN	ZG	0.00	157.50	1.90	157.50
301	-1150	-1151	S	409	QPN	ZG	0.70	254.24	1.90	254.24
301	-1151	-1152	S	409	QPN	ZG	0.00	254.24	0.50	254.24
301	-1151	-1152	S	308	QPN	ZG	0.00	157.50	0.50	157.50
301	-1152	-1616	S	409	QPN	ZG	0.00	254.24	0.40	254.24
301	-1152	-1616	S	308	QPN	ZG	0.00	157.50	0.40	157.50
301	-1616	302	S	409	QPN	ZG	0.00	254.24	0.13	254.24
301	-1616	302	S	308	QPN	ZG	0.00	157.50	0.13	157.50
301	302	-1614	S	405	QPN	ZG	0.00	254.24	0.13	254.24
301	302	-1614	S	305	QPN	ZG	0.00	157.50	0.13	157.50
301	-1614	-1153	S	405	QPN	ZG	0.00	254.24	0.40	254.24
301	-1614	-1153	S	305	QPN	ZG	0.00	157.50	0.40	157.50
301	-1153	-1154	S	405	QPN	ZG	0.00	254.24	0.50	254.24
301	-1153	-1154	S	305	QPN	ZG	0.00	157.50	0.50	157.50
301	-1154	-1155	S	405	QPN	ZG	0.00	254.24	1.90	254.24
301	-1154	-1155	S	305	QPN	ZG	0.00	157.50	1.90	157.50
301	-1155	-1156	S	405	QPN	ZG	0.00	254.24	1.20	254.24
301	-1155	-1156	S	305	QPN	ZG	0.00	157.50	1.20	157.50
301	-1156	-1157	S	405	QPN	ZG	0.00	254.24	1.90	254.24
301	-1156	-1157	S	305	QPN	ZG	0.00	157.50	1.90	157.50
301	-1157	-1158	S	405	QPN	ZG	0.00	254.24	0.50	254.24
301	-1157	-1158	S	305	QPN	ZG	0.00	157.50	0.50	157.50
301	-1158	-1617	S	405	QPN	ZG	0.00	254.24	0.40	254.24
301	-1158	-1617	S	305	QPN	ZG	0.00	157.50	0.40	157.50
301	-1617	303	S	405	QPN	ZG	0.00	254.24	0.13	254.24
301	-1617	303	S	305	QPN	ZG	0.00	157.50	0.13	157.50
301	303	-1615	S	307	QPN	ZG	0.00	157.50	0.13	157.50
301	303	-1615	S	406	QPN	ZG	0.00	254.24	0.13	254.24
301	-1615	-1159	S	307	QPN	ZG	0.00	157.50	0.40	157.50
301	-1615	-1159	S	406	QPN	ZG	0.00	254.24	0.40	254.24
301	-1159	-1160	S	307	QPN	ZG	0.00	157.50	0.50	157.50
301	-1159	-1160	S	406	QPN	ZG	0.00	254.24	0.50	254.24

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301	-1160	-1161	S	307	QPN	ZG	0.00	157.50	2.16	157.50
301	-1160	-1161	S	406	QPN	ZG	0.00	254.24	2.16	254.24
301	-1161	-1162	S	307	QPN	ZG	0.00	157.50	1.33	157.50
301	-1161	-1162	S	406	QPN	ZG	0.00	254.24	1.33	254.24
301	-1162	-1163	S	307	QPN	ZG	0.00	157.50	2.01	157.50
301	-1162	-1163	S	406	QPN	ZG	0.00	254.24	2.01	254.24
301	-1163	-1164	S	307	QPN	ZG	0.00	157.50	0.50	157.50
301	-1163	-1164	S	406	QPN	ZG	0.00	254.24	0.50	254.24
301	-1164	-1490	S	307	QPN	ZG	0.00	157.50	0.55	157.50
301	-1164	-1490	S	406	QPN	ZG	0.00	254.24	0.55	254.24
301	-1490	304	S	307	QPN	ZG	0.00	157.50	0.13	157.50
301	-1490	304	S	406	QPN	ZG	0.00	254.24	0.13	254.24
303	305	-1193	S	300	QPN	ZG	0.00	81.88	1.41	81.88
303	305	-1193	S	308	QPN	ZG	0.00	157.50	1.41	157.50
303	-1193	-1194	S	300	QPN	ZG	0.00	81.88	1.41	81.88
303	-1193	-1194	S	308	QPN	ZG	0.00	157.50	1.41	157.50
303	-1194	-1195	S	300	QPN	ZG	0.00	81.88	1.41	81.88
303	-1194	-1195	S	308	QPN	ZG	0.00	157.50	1.41	157.50
303	-1195	-1196	S	300	QPN	ZG	0.00	81.88	1.41	81.88
303	-1195	-1196	S	308	QPN	ZG	0.00	157.50	1.41	157.50
303	-1196	306	S	300	QPN	ZG	0.00	81.88	1.41	81.88
303	-1196	306	S	308	QPN	ZG	0.00	157.50	1.41	157.50
303	306	-1197	S	306	QPN	ZG	0.00	81.88	1.41	81.88
303	306	-1197	S	305	QPN	ZG	0.00	157.50	1.41	157.50
303	-1197	-1198	S	306	QPN	ZG	0.00	81.88	1.41	81.88
303	-1197	-1198	S	305	QPN	ZG	0.00	157.50	1.41	157.50
303	-1198	-1199	S	306	QPN	ZG	0.00	81.88	1.41	81.88
303	-1198	-1199	S	305	QPN	ZG	0.00	157.50	1.41	157.50
303	-1199	-1200	S	306	QPN	ZG	0.00	81.88	1.41	81.88
303	-1199	-1200	S	305	QPN	ZG	0.00	157.50	1.41	157.50
303	-1200	307	S	306	QPN	ZG	0.00	81.88	1.41	81.88
303	-1200	307	S	305	QPN	ZG	0.00	157.50	1.41	157.50
303	307	-1201	S	302	QPN	ZG	0.00	81.88	2.71	81.88
303	307	-1201	S	307	QPN	ZG	0.00	157.50	2.71	157.50
303	-1201	-1202	S	302	QPN	ZG	0.00	81.88	0.63	81.88
303	-1201	-1202	S	307	QPN	ZG	0.00	157.50	0.63	157.50
303	-1202	-1203	S	302	QPN	ZG	0.00	81.88	0.63	81.88
303	-1202	-1203	S	307	QPN	ZG	0.00	157.50	0.63	157.50
303	-1203	-1204	S	302	QPN	ZG	0.00	81.88	0.63	81.88
303	-1203	-1204	S	307	QPN	ZG	0.00	157.50	0.63	157.50
303	-1204	-1205	S	302	QPN	ZG	0.00	81.88	0.63	81.88
303	-1204	-1205	S	307	QPN	ZG	0.00	157.50	0.63	157.50
303	-1205	-1206	S	302	QPN	ZG	0.00	81.88	0.63	81.88
303	-1205	-1206	S	307	QPN	ZG	0.00	157.50	0.63	157.50
303	-1206	-1207	S	302	QPN	ZG	0.00	81.88	0.63	81.88
303	-1206	-1207	S	307	QPN	ZG	0.00	157.50	0.63	157.50
303	-1207	-1208	S	302	QPN	ZG	0.00	81.88	0.63	81.88
303	-1207	-1208	S	307	QPN	ZG	0.00	157.50	0.63	157.50
303	-1208	308	S	302	QPN	ZG	0.00	81.88	0.63	81.88
303	-1208	308	S	307	QPN	ZG	0.00	157.50	0.63	157.50
304	309	-1217	S	300	QPN	ZG	0.00	81.88	0.98	81.88
304	-1217	-1218	S	300	QPN	ZG	0.00	81.88	0.98	81.88
304	-1218	-1219	S	300	QPN	ZG	0.00	81.88	0.98	81.88
304	-1219	-1220	S	300	QPN	ZG	0.00	81.88	0.98	81.88
304	-1220	310	S	300	QPN	ZG	0.00	81.88	0.98	81.88
304	310	-1221	S	300	QPN	ZG	0.00	81.88	0.47	81.88
304	-1221	-1222	S	300	QPN	ZG	0.00	81.88	0.53	81.88
304	-1222	311	S	300	QPN	ZG	0.00	81.88	1.15	81.88
304	311	-1223	S	306	QPN	ZG	0.00	81.88	0.52	81.88
304	-1223	-1224	S	306	QPN	ZG	0.00	81.88	1.55	81.88
304	-1224	-1683	S	306	QPN	ZG	0.00	81.88	0.43	81.88
304	-1683	312	S	306	QPN	ZG	0.00	81.88	0.10	81.88
304	-1688	312	S	404	QPN	ZG	0.00	254.24	0.10	254.24
304	-1688	312	S	306	QPN	ZG	0.00	81.88	0.10	81.88
304	-1225	-1688	S	404	QPN	ZG	0.00	254.24	0.43	254.24
304	-1225	-1688	S	306	QPN	ZG	0.00	81.88	0.43	81.88
304	-1226	-1225	S	404	QPN	ZG	0.00	254.24	3.39	254.24
304	-1226	-1225	S	306	QPN	ZG	0.00	81.88	3.39	81.88
304	-1647	-1226	S	404	QPN	ZG	0.00	254.24	0.40	254.24
304	-1647	-1226	S	306	QPN	ZG	0.00	81.88	0.40	81.88
304	313	-1647	S	404	QPN	ZG	0.00	254.24	0.13	254.24
304	313	-1647	S	306	QPN	ZG	0.00	81.88	0.13	81.88
304	313	-1653	S	302	QPN	ZG	0.00	81.88	0.13	81.88
304	313	-1653	S	407	QPN	ZG	0.00	254.24	0.13	254.24
304	-1653	-1227	S	302	QPN	ZG	0.00	81.88	0.40	81.88
304	-1653	-1227	S	407	QPN	ZG	0.00	254.24	0.40	254.24
304	-1227	-1228	S	302	QPN	ZG	0.00	81.88	2.55	81.88
304	-1227	-1228	S	407	QPN	ZG	0.00	254.24	2.55	254.24
304	-1228	-1229	S	302	QPN	ZG	0.00	81.88	1.54	81.88

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304	-1228	-1229	S	407	QPN	ZG	0.00	254.24	1.54	254.24
304	-1229	-1230	S	302	QPN	ZG	0.00	81.88	1.54	81.88
304	-1229	-1230	S	407	QPN	ZG	0.00	254.24	1.54	254.24
304	-1230	-1231	S	302	QPN	ZG	0.00	81.88	0.60	81.88
304	-1230	-1231	S	407	QPN	ZG	0.00	254.24	0.60	254.24
304	-1231	-1232	S	302	QPN	ZG	0.00	81.88	0.43	81.88
304	-1231	-1232	S	407	QPN	ZG	0.00	254.24	0.43	254.24
304	-1232	-1620	S	302	QPN	ZG	0.00	81.88	0.37	81.88
304	-1232	-1620	S	407	QPN	ZG	0.00	254.24	0.37	254.24
304	-1620	314	S	302	QPN	ZG	0.00	81.88	0.14	81.88
304	-1620	314	S	407	QPN	ZG	0.00	254.24	0.14	254.24
307	-1165	301	S	408	QPN	ZG	0.00	33.64	0.63	0.00
307	-1169	-1165	S	408	QPN	ZG	0.00	67.29	0.63	33.64
307	-1173	-1169	S	408	QPN	ZG	0.00	100.93	0.63	67.29
307	-1177	-1173	S	408	QPN	ZG	0.00	134.58	0.63	100.93
307	-1179	-1177	S	408	QPN	ZG	0.00	168.22	0.63	134.58
307	-1181	-1179	S	408	QPN	ZG	0.00	201.87	0.63	168.22
307	-1183	-1181	S	408	QPN	ZG	0.00	235.51	0.63	201.87
307	-1185	-1183	S	408	QPN	ZG	0.00	255.67	0.25	255.67
307	-1185	-1183	S	408	QPN	ZG	0.25	255.67	0.63	235.51
307	-1189	-1185	S	408	QPN	ZG	0.00	255.67	0.63	255.67
307	305	-1189	S	408	QPN	ZG	0.00	255.67	0.63	255.67
307	-1211	305	S	408	QPN	ZG	0.00	255.67	0.66	255.67
307	-1216	-1211	S	408	QPN	ZG	0.00	255.67	2.02	255.67
307	-1535	-1216	S	408	QPN	ZG	0.00	255.67	0.40	255.67
307	309	-1535	S	408	QPN	ZG	0.00	255.67	0.20	255.67
307	309	-1236	S	403	QPN	ZG	0.00	255.67	1.10	255.67
307	309	-1236	S	301	QPN	ZG	0.00	122.50	1.10	122.50
307	-1236	-1241	S	403	QPN	ZG	0.00	255.67	1.80	255.67
307	-1236	-1241	S	301	QPN	ZG	0.00	122.50	1.80	122.50
307	-1241	315	S	403	QPN	ZG	0.00	255.67	0.40	255.67
307	-1241	315	S	301	QPN	ZG	0.00	122.50	0.40	122.50
307	315	-1246	S	403	QPN	ZG	0.00	255.67	0.40	255.67
307	315	-1246	S	301	QPN	ZG	0.00	122.50	0.40	120.73
307	-1246	-1251	S	403	QPN	ZG	0.00	255.67	2.36	255.67
307	-1246	-1251	S	301	QPN	ZG	0.00	120.73	2.36	110.31
307	-1251	-1253	S	403	QPN	ZG	0.00	255.67	0.51	255.67
307	-1251	-1253	S	301	QPN	ZG	0.00	110.31	0.51	108.07
307	-1253	-1358	S	403	QPN	ZG	0.00	255.67	0.69	255.67
307	-1253	-1358	S	301	QPN	ZG	0.00	108.07	0.69	105.02
307	-1358	318	S	403	QPN	ZG	0.00	255.67	0.29	255.67
307	-1358	318	S	301	QPN	ZG	0.00	105.02	0.29	103.75
311	-1235	312	S	401	QPN	ZG	0.00	255.67	0.66	255.67
311	-1235	312	S	303	QPN	ZG	0.00	118.75	0.66	118.75
311	-1237	-1235	S	401	QPN	ZG	0.00	255.67	0.66	255.67
311	-1237	-1235	S	303	QPN	ZG	0.00	118.75	0.66	118.75
311	-1238	-1237	S	401	QPN	ZG	0.00	255.67	0.66	255.67
311	-1238	-1237	S	303	QPN	ZG	0.00	118.75	0.66	118.75
311	-1240	-1238	S	401	QPN	ZG	0.00	255.67	0.82	255.67
311	-1240	-1238	S	303	QPN	ZG	0.00	118.75	0.82	118.75
311	317	-1240	S	401	QPN	ZG	0.00	255.67	0.50	255.67
311	317	-1240	S	303	QPN	ZG	0.00	118.75	0.50	118.75
311	317	-1247	S	401	QPN	ZG	0.00	255.67	0.85	255.67
311	317	-1247	S	304	QPN	ZG	0.00	118.75	0.85	122.50
311	-1247	-1249	S	401	QPN	ZG	0.00	255.67	0.85	255.67
311	-1247	-1249	S	304	QPN	ZG	0.00	122.50	0.85	126.25
311	-1249	-1250	S	401	QPN	ZG	0.00	255.67	0.85	255.67
311	-1249	-1250	S	304	QPN	ZG	0.00	126.25	0.85	130.00
311	-1250	-1254	S	401	QPN	ZG	0.00	255.67	0.85	255.67
311	-1250	-1254	S	304	QPN	ZG	0.00	130.00	0.85	133.75
311	-1254	320	S	401	QPN	ZG	0.00	255.67	0.85	255.67
311	-1254	320	S	304	QPN	ZG	0.00	133.75	0.85	137.50
315	310	-1234	S	303	QPN	ZG	0.00	118.75	0.66	118.75
315	310	-1234	S	301	QPN	ZG	0.00	122.50	0.66	122.50
315	-1234	-1239	S	303	QPN	ZG	0.00	118.75	1.98	118.75
315	-1234	-1239	S	301	QPN	ZG	0.00	122.50	1.98	122.50
315	-1239	316	S	303	QPN	ZG	0.00	118.75	0.66	118.75
315	-1239	316	S	301	QPN	ZG	0.00	122.50	0.66	122.50
315	316	-1248	S	304	QPN	ZG	0.00	116.94	1.44	123.10
315	316	-1248	S	301	QPN	ZG	0.41	118.90	1.44	114.48
315	316	-1248	S	301	QPN	ZG	0.00	120.64	0.41	118.90
315	-1248	-1252	S	304	QPN	ZG	0.00	123.10	0.29	124.33
315	-1248	-1252	S	301	QPN	ZG	1.37	108.63	1.44	108.33
315	-1248	-1252	S	301	QPN	ZG	0.00	114.48	1.37	108.63
315	-1248	-1252	S	304	QPN	ZG	1.15	128.02	1.44	129.25
315	-1248	-1252	S	304	QPN	ZG	0.29	124.33	1.15	128.02
315	-1252	319	S	304	QPN	ZG	0.00	129.25	1.44	135.41
315	-1252	319	S	301	QPN	ZG	1.15	103.42	1.44	102.17
315	-1252	319	S	301	QPN	ZG	0.44	106.43	1.15	103.42

Relazione di calcolo

315	-1252	319	S	301	QPN	ZG	0.00	108.33	0.44	106.43
402	402	401	S	402	QPN	ZG	0.00	0.00	0.01	116.95
402	402	401	S	409	QPN	ZG	0.00	254.24	2.23	254.24
402	402	401	S	402	QPN	ZG	0.01	116.95	2.23	0.00
402	403	402	S	404	QPN	ZG	0.00	254.24	4.45	254.24
402	403	402	S	405	QPN	ZG	0.13	254.24	7.05	254.24
402	403	402	S	405	QPN	ZG	0.00	254.24	0.13	254.24
402	403	402	S	404	QPN	ZG	4.45	254.24	7.05	117.24
402	404	403	S	407	QPN	ZG	0.00	254.24	7.71	254.24
402	404	403	S	406	QPN	ZG	0.00	254.24	7.71	254.24
408	405	401	S	400	QPN	ZG	0.00	255.67	4.79	0.00
408	405	401	S	408	QPN	ZG	0.00	255.67	4.79	255.67
408	406	405	S	403	QPN	ZG	0.00	255.67	7.55	255.67
408	406	405	S	401	QPN	ZG	0.00	255.67	7.55	255.67
409	-1314	402	S	402	QPN	ZG	0.00	0.25	2.60	0.00
409	-1314	402	S	404	QPN	ZG	0.00	0.00	2.60	0.25
414	301	401	S	409	QPN	ZG	0.00	0.00	6.35	141.12
414	301	401	S	408	QPN	ZG	0.00	0.00	7.43	164.75
414	301	401	S	409	QPN	ZG	6.35	141.12	7.43	165.11
414	401	-1314	S	400	QPN	ZG	0.00	0.00	3.42	75.78
414	401	-1314	S	402	QPN	ZG	0.00	0.00	3.42	75.95
414	-1314	312	S	400	QPN	ZG	0.00	75.78	4.01	164.75
414	-1314	312	S	404	QPN	ZG	0.01	76.14	4.01	165.11
414	-1314	312	S	404	QPN	ZG	0.00	0.00	0.01	76.13

Elenco carichi elementi bidimensionali
Condizione di carico n. 1: Peso Proprio
Carichi uniformi

Simbologia

Bid. = Numero del muro/elemento bidimensionale

N1 = Nodo1

N2 = Nodo2

N3 = Nodo3

N4 = Nodo4

T = Tipo di carico

PP = Peso proprio

M = Manuale

DC = Direzione del carico

G = secondo gli assi globali

L = secondo gli assi locali

Qx = Carico in dir. X

Qy = Carico in dir. Y

Qz = Carico in dir. Z

Bid.	N1	N2	N3	N4	T	DC	Qx <daN/mq>	Qy <daN/mq>	Qz <daN/mq>
0	-644	-1678	-1679	212	PP	G	0.00	0.00	500.00
0	101	-1495	-1496	-386	PP	G	0.00	0.00	625.00
0	201	-1500	-1501	-816	PP	G	0.00	0.00	625.00
0	-144	-1392	-1391	-282	PP	G	0.00	0.00	500.00
0	106	-1390	-1389	-419	PP	G	0.00	0.00	500.00
0	212	-1679	-1684	-868	PP	G	0.00	0.00	500.00
0	2	-1552	-1553	-108	PP	G	0.00	0.00	625.00
0	102	-1557	-1558	-389	PP	G	0.00	0.00	625.00
0	202	-1569	-1570	-819	PP	G	0.00	0.00	625.00
0	-1074	-1687	-1688	312	PP	G	0.00	0.00	500.00
0	-577	-1387	-1386	-627	PP	G	0.00	0.00	500.00
0	-627	-1386	-1385	-688	PP	G	0.00	0.00	500.00
0	3	-1599	-1598	-113	PP	G	0.00	0.00	625.00
0	103	-1596	-1595	-392	PP	G	0.00	0.00	625.00
0	203	-1590	-1589	-822	PP	G	0.00	0.00	625.00
0	-1491	-118	-197	-1479	PP	G	0.00	0.00	625.00
0	-950	-1650	-1651	-1029	PP	G	0.00	0.00	500.00
0	-1029	-1651	-1652	-1077	PP	G	0.00	0.00	500.00
0	-103	-1493	-1494	-192	PP	G	0.00	0.00	625.00
0	-192	-1494	-1495	101	PP	G	0.00	0.00	625.00
0	-386	-1496	-1497	-465	PP	G	0.00	0.00	625.00
0	-465	-1497	-1498	-544	PP	G	0.00	0.00	625.00
0	-544	-1498	-1499	-650	PP	G	0.00	0.00	625.00
0	-650	-1499	-1500	201	PP	G	0.00	0.00	625.00
0	-816	-1501	-1502	-895	PP	G	0.00	0.00	625.00
0	-895	-1502	-1503	-974	PP	G	0.00	0.00	625.00
0	-974	-1503	-1504	-1080	PP	G	0.00	0.00	625.00
0	-1080	-1504	-1505	301	PP	G	0.00	0.00	625.00
0	-1634	13	-166	-1661	PP	G	0.00	0.00	500.00
0	-547	-1366	-1367	-618	PP	G	0.00	0.00	500.00
0	3	-1410	-1411	-113	PP	G	0.00	0.00	500.00
0	-1578	-1083	302	-1616	PP	G	0.00	0.00	625.00

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0	-819	-1570	-1573	-898	PP	G	0.00	0.00	625.00
0	-898	-1573	-1574	-977	PP	G	0.00	0.00	625.00
0	-977	-1574	-1576	-1048	PP	G	0.00	0.00	625.00
0	-663	-667	-740	-732	PP	G	0.00	0.00	500.00
0	109	-1511	-1512	-433	PP	G	0.00	0.00	650.00
0	-1551	-108	-264	-1555	PP	G	0.00	0.00	625.00
0	-720	-652	-721	-721	PP	G	0.00	0.00	500.00
0	-621	-1417	-1418	-656	PP	G	0.00	0.00	500.00
0	-389	-1558	-1561	-468	PP	G	0.00	0.00	625.00
0	-468	-1561	-1562	-547	PP	G	0.00	0.00	625.00
0	-547	-1562	-1565	-618	PP	G	0.00	0.00	625.00
0	-653	-1566	-1569	202	PP	G	0.00	0.00	625.00
0	203	-1419	-1420	-822	PP	G	0.00	0.00	500.00
0	-822	-1420	-1421	-901	PP	G	0.00	0.00	500.00
0	-108	-1553	-1554	-264	PP	G	0.00	0.00	625.00
0	-264	-1554	-1557	102	PP	G	0.00	0.00	625.00
0	-269	-1597	-1596	103	PP	G	0.00	0.00	625.00
0	-113	-1598	-1597	-269	PP	G	0.00	0.00	625.00
0	-512	-1513	-1514	-591	PP	G	0.00	0.00	650.00
0	-591	-1514	-1515	-639	PP	G	0.00	0.00	650.00
0	-392	-1595	-1594	-471	PP	G	0.00	0.00	625.00
0	-471	-1594	-1593	-550	PP	G	0.00	0.00	625.00
0	-657	-727	-726	-726	PP	G	0.00	0.00	500.00
0	-656	-1591	-1590	203	PP	G	0.00	0.00	625.00
0	-285	-287	-344	-341	PP	G	0.00	0.00	500.00
0	-1482	-474	-553	-1483	PP	G	0.00	0.00	625.00
0	-664	-1476	-737	-733	PP	G	0.00	0.00	500.00
0	-1008	-1445	-1444	-1058	PP	G	0.00	0.00	500.00
0	-929	-1446	-1445	-1008	PP	G	0.00	0.00	500.00
0	-863	-1517	-1518	-942	PP	G	0.00	0.00	650.00
0	-942	-1518	-1519	-1021	PP	G	0.00	0.00	650.00
0	-1582	-1086	303	-1617	PP	G	0.00	0.00	625.00
0	-822	-1589	-1588	-901	PP	G	0.00	0.00	625.00
0	-901	-1588	-1587	-980	PP	G	0.00	0.00	625.00
0	-980	-1587	-1586	-1051	PP	G	0.00	0.00	625.00
0	-1484	-660	204	-1485	PP	G	0.00	0.00	625.00
0	-1093	-1472	-1172	-1168	PP	G	0.00	0.00	500.00
0	-633	-634	216	-797	PP	G	0.00	0.00	500.00
0	207	-1448	-1447	-850	PP	G	0.00	0.00	500.00
0	107	-1454	-1453	-420	PP	G	0.00	0.00	500.00
0	7	-1457	-1456	-145	PP	G	0.00	0.00	500.00
0	-1407	-1057	-1117	-1408	PP	G	0.00	0.00	500.00
0	-1036	-1356	-1357	-1136	PP	G	0.00	0.00	650.00
0	-680	-684	-755	-751	PP	G	0.00	0.00	500.00
0	-1477	4	-118	-1491	PP	G	0.00	0.00	625.00
0	-1693	6	-144	-1395	PP	G	0.00	0.00	500.00
0	-596	-1677	-1678	-644	PP	G	0.00	0.00	500.00
0	-681	-685	-756	-752	PP	G	0.00	0.00	500.00
0	-654	-723	-722	-722	PP	G	0.00	0.00	500.00
0	-1395	-144	-282	-1396	PP	G	0.00	0.00	500.00
0	-550	-1593	-1592	-621	PP	G	0.00	0.00	625.00
0	-1396	-282	106	-1397	PP	G	0.00	0.00	500.00
0	-243	-244	116	-367	PP	G	0.00	0.00	500.00
0	-658	-659	-729	-728	PP	G	0.00	0.00	500.00
0	-1606	-550	-621	-1607	PP	G	0.00	0.00	625.00
0	-1398	-419	-498	-1399	PP	G	0.00	0.00	500.00
0	-239	-1630	-1629	114	PP	G	0.00	0.00	500.00
0	-1609	203	-822	-1610	PP	G	0.00	0.00	625.00
0	-1110	-1114	-1191	-1187	PP	G	0.00	0.00	500.00
0	-1611	-901	-980	-1612	PP	G	0.00	0.00	625.00
0	-1612	-980	-1051	-1613	PP	G	0.00	0.00	625.00
0	-445	-1628	-1627	-524	PP	G	0.00	0.00	500.00
0	-928	-1382	-1380	-1007	PP	G	0.00	0.00	500.00
0	-108	-1361	-1362	-264	PP	G	0.00	0.00	500.00
0	-524	-1627	-1626	-603	PP	G	0.00	0.00	500.00
0	6	-1692	-1392	-144	PP	G	0.00	0.00	500.00
0	-850	-1447	-1446	-929	PP	G	0.00	0.00	500.00
0	-1426	7	-145	-1427	PP	G	0.00	0.00	500.00
0	-1427	-145	-283	-1428	PP	G	0.00	0.00	500.00
0	-1428	-283	107	-1429	PP	G	0.00	0.00	500.00
0	-389	-1364	-1365	-468	PP	G	0.00	0.00	500.00
0	-1088	-1164	-1163	-1163	PP	G	0.00	0.00	500.00
0	-1087	-1159	-1160	-1160	PP	G	0.00	0.00	500.00
0	-1151	-1082	-1152	-1152	PP	G	0.00	0.00	500.00
0	-1433	-628	-689	-1434	PP	G	0.00	0.00	500.00
0	-1434	-689	207	-1435	PP	G	0.00	0.00	500.00
0	-1435	207	-850	-1436	PP	G	0.00	0.00	500.00
0	-1436	-850	-929	-1437	PP	G	0.00	0.00	500.00
0	-618	-1367	-1368	-653	PP	G	0.00	0.00	500.00

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0	-1438	-1008	-1058	-1439	PP	G	0.00	0.00	500.00
0	-653	-1368	-1369	202	PP	G	0.00	0.00	500.00
0	-392	-1414	-1415	-471	PP	G	0.00	0.00	500.00
0	103	-1413	-1414	-392	PP	G	0.00	0.00	500.00
0	-819	-1370	-1371	-898	PP	G	0.00	0.00	500.00
0	-1134	-1619	-1620	314	PP	G	0.00	0.00	500.00
0	-898	-1371	-1372	-977	PP	G	0.00	0.00	500.00
0	102	-1363	-1364	-389	PP	G	0.00	0.00	500.00
0	-977	-1372	-1373	-1048	PP	G	0.00	0.00	500.00
0	-1481	-395	-474	-1482	PP	G	0.00	0.00	625.00
0	-1048	-1373	-1374	-1083	PP	G	0.00	0.00	500.00
0	-181	-1346	-1347	-251	PP	G	0.00	0.00	650.00
0	-1083	-1374	-1375	302	PP	G	0.00	0.00	500.00
0	-251	-1347	-1348	118	PP	G	0.00	0.00	650.00
0	18	-1507	-1346	-181	PP	G	0.00	0.00	650.00
0	-1048	-1576	-1579	-1083	PP	G	0.00	0.00	625.00
0	-618	-1565	-1566	-653	PP	G	0.00	0.00	625.00
0	-1656	-647	213	-1642	PP	G	0.00	0.00	500.00
0	-1485	204	-825	-1486	PP	G	0.00	0.00	625.00
0	-1406	-1007	-1057	-1407	PP	G	0.00	0.00	500.00
0	-1479	-197	104	-1480	PP	G	0.00	0.00	625.00
0	-448	-1349	-1350	-527	PP	G	0.00	0.00	650.00
0	-849	-1383	-1382	-928	PP	G	0.00	0.00	500.00
0	-1405	-928	-1007	-1406	PP	G	0.00	0.00	500.00
0	-527	-1350	-1351	-606	PP	G	0.00	0.00	650.00
0	-1118	-1442	-1443	307	PP	G	0.00	0.00	500.00
0	-1404	-849	-928	-1405	PP	G	0.00	0.00	500.00
0	-606	-1351	-1352	-707	PP	G	0.00	0.00	650.00
0	-1403	206	-849	-1404	PP	G	0.00	0.00	500.00
0	-1488	-983	-1089	-1489	PP	G	0.00	0.00	625.00
0	-1402	-688	206	-1403	PP	G	0.00	0.00	500.00
0	1	-1506	-1493	-103	PP	G	0.00	0.00	625.00
0	-1109	-1113	-1190	-1186	PP	G	0.00	0.00	500.00
0	-578	-1451	-1450	-628	PP	G	0.00	0.00	500.00
0	-1691	-163	-232	-1669	PP	G	0.00	0.00	500.00
0	-878	-1354	-1355	-957	PP	G	0.00	0.00	650.00
0	-283	-1455	-1454	107	PP	G	0.00	0.00	500.00
0	-145	-1456	-1455	-283	PP	G	0.00	0.00	500.00
0	-232	-1670	-1671	112	PP	G	0.00	0.00	500.00
0	-1408	-1117	306	-1409	PP	G	0.00	0.00	500.00
0	-1681	-1026	-1074	-1682	PP	G	0.00	0.00	500.00
0	-1437	-929	-1008	-1438	PP	G	0.00	0.00	500.00
0	-1682	-1074	312	-1683	PP	G	0.00	0.00	500.00
0	112	-1671	-1675	-438	PP	G	0.00	0.00	500.00
0	9	-1536	-1509	-158	PP	G	0.00	0.00	650.00
0	-517	-1676	-1677	-596	PP	G	0.00	0.00	500.00
0	-1555	-264	102	-1556	PP	G	0.00	0.00	625.00
0	-1645	-1029	-1077	-1646	PP	G	0.00	0.00	500.00
0	14	-1631	-1618	-170	PP	G	0.00	0.00	500.00
0	114	-1629	-1628	-445	PP	G	0.00	0.00	500.00
0	214	-1624	-1623	-875	PP	G	0.00	0.00	500.00
0	-1603	103	-392	-1604	PP	G	0.00	0.00	625.00
0	206	-1384	-1383	-849	PP	G	0.00	0.00	500.00
0	-868	-1684	-1685	-947	PP	G	0.00	0.00	500.00
0	-282	-1391	-1390	106	PP	G	0.00	0.00	500.00
0	-419	-1389	-1388	-498	PP	G	0.00	0.00	500.00
0	-498	-1388	-1387	-577	PP	G	0.00	0.00	500.00
0	-980	-1422	-1423	-1051	PP	G	0.00	0.00	500.00
0	-1523	-158	-227	-1524	PP	G	0.00	0.00	650.00
0	-688	-1385	-1384	206	PP	G	0.00	0.00	500.00
0	-1525	109	-433	-1526	PP	G	0.00	0.00	650.00
0	-1526	-433	-512	-1527	PP	G	0.00	0.00	650.00
0	-871	-1649	-1650	-950	PP	G	0.00	0.00	500.00
0	-1007	-1380	-1381	-1057	PP	G	0.00	0.00	500.00
0	-1057	-1381	-1378	-1117	PP	G	0.00	0.00	500.00
0	-1117	-1378	-1379	306	PP	G	0.00	0.00	500.00
0	-1531	-863	-942	-1532	PP	G	0.00	0.00	650.00
0	-284	-286	-343	-340	PP	G	0.00	0.00	500.00
0	-1533	-1021	-1069	-1534	PP	G	0.00	0.00	650.00
0	-1534	-1069	309	-1535	PP	G	0.00	0.00	650.00
0	113	-1638	-1641	-441	PP	G	0.00	0.00	500.00
0	-441	-1641	-1657	-520	PP	G	0.00	0.00	500.00
0	-550	-1416	-1417	-621	PP	G	0.00	0.00	500.00
0	-269	-1412	-1413	103	PP	G	0.00	0.00	500.00
0	-113	-1411	-1412	-269	PP	G	0.00	0.00	500.00
0	-621	-1592	-1591	-656	PP	G	0.00	0.00	625.00
0	-875	-1623	-1622	-954	PP	G	0.00	0.00	500.00
0	2	-1360	-1361	-108	PP	G	0.00	0.00	500.00
0	-1128	-1130	-1213	-1209	PP	G	0.00	0.00	500.00

Relazione di calcolo

0	-235	-1637	-1638	113	PP	G	0.00	0.00	500.00
0	-1051	-1423	-1424	-1086	PP	G	0.00	0.00	500.00
0	-1636	-235	113	-1639	PP	G	0.00	0.00	500.00
0	-1033	-1621	-1619	-1134	PP	G	0.00	0.00	500.00
0	-471	-1415	-1416	-550	PP	G	0.00	0.00	500.00
0	-1643	-871	-950	-1644	PP	G	0.00	0.00	500.00
0	-438	-1675	-1676	-517	PP	G	0.00	0.00	500.00
0	-1644	-950	-1029	-1645	PP	G	0.00	0.00	500.00
0	-656	-1418	-1419	203	PP	G	0.00	0.00	500.00
0	-1556	102	-389	-1559	PP	G	0.00	0.00	625.00
0	-1559	-389	-468	-1560	PP	G	0.00	0.00	625.00
0	-1602	-269	103	-1603	PP	G	0.00	0.00	625.00
0	-689	-1449	-1448	207	PP	G	0.00	0.00	500.00
0	-1560	-468	-547	-1563	PP	G	0.00	0.00	625.00
0	-1563	-547	-618	-1564	PP	G	0.00	0.00	625.00
0	-158	-1509	-1510	-227	PP	G	0.00	0.00	650.00
0	-901	-1421	-1422	-980	PP	G	0.00	0.00	500.00
0	-1608	-656	203	-1609	PP	G	0.00	0.00	625.00
0	-1567	-653	202	-1568	PP	G	0.00	0.00	625.00
0	-1610	-822	-901	-1611	PP	G	0.00	0.00	625.00
0	-1680	-947	-1026	-1681	PP	G	0.00	0.00	500.00
0	-1086	-1424	-1425	303	PP	G	0.00	0.00	500.00
0	-1480	104	-395	-1481	PP	G	0.00	0.00	625.00
0	-1129	-1131	-1214	-1210	PP	G	0.00	0.00	500.00
0	-1666	212	-868	-1667	PP	G	0.00	0.00	500.00
0	-1572	-898	-977	-1575	PP	G	0.00	0.00	625.00
0	-1058	-1444	-1442	-1118	PP	G	0.00	0.00	500.00
0	-1575	-977	-1048	-1577	PP	G	0.00	0.00	625.00
0	-1577	-1048	-1083	-1578	PP	G	0.00	0.00	625.00
0	-1665	-438	-517	-1672	PP	G	0.00	0.00	500.00
0	-1083	-1579	-1614	302	PP	G	0.00	0.00	625.00
0	-707	-1352	-1353	218	PP	G	0.00	0.00	650.00
0	-628	-1450	-1449	-689	PP	G	0.00	0.00	500.00
0	-1086	-1584	-1615	303	PP	G	0.00	0.00	625.00
0	-499	-1452	-1451	-578	PP	G	0.00	0.00	500.00
0	-420	-1453	-1452	-499	PP	G	0.00	0.00	500.00
0	-647	-1659	-1648	213	PP	G	0.00	0.00	500.00
0	-166	-1660	-1637	-235	PP	G	0.00	0.00	500.00
0	-957	-1355	-1356	-1036	PP	G	0.00	0.00	650.00
0	118	-1348	-1349	-448	PP	G	0.00	0.00	650.00
0	-1524	-227	109	-1525	PP	G	0.00	0.00	650.00
0	-954	-1622	-1621	-1033	PP	G	0.00	0.00	500.00
0	-1537	9	-158	-1523	PP	G	0.00	0.00	650.00
0	-1550	2	-108	-1551	PP	G	0.00	0.00	625.00
0	-1400	-577	-627	-1401	PP	G	0.00	0.00	500.00
0	-1639	113	-441	-1640	PP	G	0.00	0.00	500.00
0	-1136	-1357	-1358	318	PP	G	0.00	0.00	650.00
0	209	-1516	-1517	-863	PP	G	0.00	0.00	650.00
0	-1600	3	-113	-1601	PP	G	0.00	0.00	625.00
0	-1601	-113	-269	-1602	PP	G	0.00	0.00	625.00
0	-1487	-904	-983	-1488	PP	G	0.00	0.00	625.00
0	-1401	-627	-688	-1402	PP	G	0.00	0.00	500.00
0	202	-1369	-1370	-819	PP	G	0.00	0.00	500.00
0	-1397	106	-419	-1398	PP	G	0.00	0.00	500.00
0	-947	-1685	-1686	-1026	PP	G	0.00	0.00	500.00
0	-264	-1362	-1363	102	PP	G	0.00	0.00	500.00
0	-1655	-599	-647	-1656	PP	G	0.00	0.00	500.00
0	-433	-1512	-1513	-512	PP	G	0.00	0.00	650.00
0	-227	-1510	-1511	109	PP	G	0.00	0.00	650.00
0	-699	-701	-773	-770	PP	G	0.00	0.00	500.00
0	-639	-1515	-1516	209	PP	G	0.00	0.00	650.00
0	-1613	-1051	-1086	-1582	PP	G	0.00	0.00	625.00
0	-1527	-512	-591	-1528	PP	G	0.00	0.00	650.00
0	-1528	-591	-639	-1529	PP	G	0.00	0.00	650.00
0	-1529	-639	209	-1530	PP	G	0.00	0.00	650.00
0	-1077	-1652	-1653	313	PP	G	0.00	0.00	500.00
0	-468	-1365	-1366	-547	PP	G	0.00	0.00	500.00
0	-603	-1626	-1625	-705	PP	G	0.00	0.00	500.00
0	-1689	12	-163	-1691	PP	G	0.00	0.00	500.00
0	-1532	-942	-1021	-1533	PP	G	0.00	0.00	650.00
0	-1483	-553	-660	-1484	PP	G	0.00	0.00	625.00
0	-1430	-420	-499	-1431	PP	G	0.00	0.00	500.00
0	-1399	-498	-577	-1400	PP	G	0.00	0.00	500.00
0	-700	-702	-774	-771	PP	G	0.00	0.00	500.00
0	-1051	-1586	-1584	-1086	PP	G	0.00	0.00	625.00
0	-1432	-578	-628	-1433	PP	G	0.00	0.00	500.00
0	-1085	-1158	-1157	-1157	PP	G	0.00	0.00	500.00
0	-1431	-499	-578	-1432	PP	G	0.00	0.00	500.00
0	-1564	-618	-653	-1567	PP	G	0.00	0.00	625.00

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0	-1667	-868	-947	-1680	PP	G	0.00	0.00	500.00
0	-1530	209	-863	-1531	PP	G	0.00	0.00	650.00
0	13	-1632	-1660	-166	PP	G	0.00	0.00	500.00
0	-1439	-1058	-1118	-1440	PP	G	0.00	0.00	500.00
0	-1642	213	-871	-1643	PP	G	0.00	0.00	500.00
0	-1486	-825	-904	-1487	PP	G	0.00	0.00	625.00
0	-1654	-520	-599	-1655	PP	G	0.00	0.00	500.00
0	-1669	-232	112	-1664	PP	G	0.00	0.00	500.00
0	-1646	-1077	313	-1647	PP	G	0.00	0.00	500.00
0	-724	-655	-725	-725	PP	G	0.00	0.00	500.00
0	-599	-1658	-1659	-647	PP	G	0.00	0.00	500.00
0	218	-1353	-1354	-878	PP	G	0.00	0.00	650.00
0	-1661	-166	-235	-1636	PP	G	0.00	0.00	500.00
0	-1604	-392	-471	-1605	PP	G	0.00	0.00	625.00
0	-1640	-441	-520	-1654	PP	G	0.00	0.00	500.00
0	-1440	-1118	307	-1441	PP	G	0.00	0.00	500.00
0	-1026	-1686	-1687	-1074	PP	G	0.00	0.00	500.00
0	-1084	-1154	-1153	-1153	PP	G	0.00	0.00	500.00
0	-1607	-621	-656	-1608	PP	G	0.00	0.00	625.00
0	-705	-1625	-1624	214	PP	G	0.00	0.00	500.00
0	-1673	-596	-644	-1674	PP	G	0.00	0.00	500.00
0	-1659	-648	-786	-1648	PP	G	0.00	0.00	500.00
0	-163	-1690	-1670	-232	PP	G	0.00	0.00	500.00
0	-1664	112	-438	-1665	PP	G	0.00	0.00	500.00
0	-520	-1657	-1658	-599	PP	G	0.00	0.00	500.00
0	-1063	-1064	316	-1243	PP	G	0.00	0.00	500.00
0	-170	-1618	-1630	-239	PP	G	0.00	0.00	500.00
0	12	-1662	-1690	-163	PP	G	0.00	0.00	500.00
0	-1674	-644	212	-1666	PP	G	0.00	0.00	500.00
0	213	-1648	-1649	-871	PP	G	0.00	0.00	500.00
0	-1672	-517	-596	-1673	PP	G	0.00	0.00	500.00
0	-1568	202	-819	-1571	PP	G	0.00	0.00	625.00
0	-1605	-471	-550	-1606	PP	G	0.00	0.00	625.00
0	-1069	-1520	-1521	309	PP	G	0.00	0.00	650.00
0	-1571	-819	-898	-1572	PP	G	0.00	0.00	625.00
0	-1021	-1519	-1520	-1069	PP	G	0.00	0.00	650.00
0	-1489	-1089	304	-1490	PP	G	0.00	0.00	625.00
0	-1429	107	-420	-1430	PP	G	0.00	0.00	500.00
101	-192	-198	-300	101	PP	G	0.00	0.00	500.00
101	-103	-119	-198	-192	PP	G	0.00	0.00	500.00
101	-119	-123	-200	-198	PP	G	0.00	0.00	500.00
101	-19	-23	-123	-119	PP	G	0.00	0.00	500.00
101	-33	-35	-135	-133	PP	G	0.00	0.00	500.00
101	-137	-139	-214	-212	PP	G	0.00	0.00	500.00
101	-139	-143	-216	-214	PP	G	0.00	0.00	500.00
101	-133	-135	-210	-208	PP	G	0.00	0.00	500.00
101	-41	5	-143	-139	PP	G	0.00	0.00	500.00
101	-202	-204	-312	-308	PP	G	0.00	0.00	500.00
101	-135	-137	-212	-210	PP	G	0.00	0.00	500.00
101	-35	-37	-137	-135	PP	G	0.00	0.00	500.00
101	-200	-202	-308	-304	PP	G	0.00	0.00	500.00
101	-27	-29	-129	-127	PP	G	0.00	0.00	500.00
101	-131	-133	-208	-206	PP	G	0.00	0.00	500.00
101	-212	-214	-324	-320	PP	G	0.00	0.00	500.00
101	-204	-206	-314	-312	PP	G	0.00	0.00	500.00
101	-23	-27	-127	-123	PP	G	0.00	0.00	500.00
101	-210	-212	-320	-318	PP	G	0.00	0.00	500.00
101	-206	-208	-316	-314	PP	G	0.00	0.00	500.00
101	-198	-200	-304	-300	PP	G	0.00	0.00	500.00
101	-127	-129	-204	-202	PP	G	0.00	0.00	500.00
101	-208	-210	-318	-316	PP	G	0.00	0.00	500.00
101	-214	-216	105	-324	PP	G	0.00	0.00	500.00
101	-123	-127	-202	-200	PP	G	0.00	0.00	500.00
101	1	-19	-119	-103	PP	G	0.00	0.00	500.00
101	-29	-31	-131	-129	PP	G	0.00	0.00	500.00
101	-37	-41	-139	-137	PP	G	0.00	0.00	500.00
101	-129	-131	-206	-204	PP	G	0.00	0.00	500.00
101	-31	-33	-133	-131	PP	G	0.00	0.00	500.00
102	20	-102	-190	-191	PP	G	0.00	0.00	500.00
102	-95	19	-182	-183	PP	G	0.00	0.00	500.00
102	-98	-97	-185	-186	PP	G	0.00	0.00	500.00
102	-183	-182	-252	-253	PP	G	0.00	0.00	500.00
102	-253	-252	119	-378	PP	G	0.00	0.00	500.00
102	-97	-96	-184	-185	PP	G	0.00	0.00	500.00
102	-256	-255	-380	-381	PP	G	0.00	0.00	500.00
102	-259	-258	-383	-384	PP	G	0.00	0.00	500.00
102	-96	-95	-183	-184	PP	G	0.00	0.00	500.00
102	-261	-260	-385	120	PP	G	0.00	0.00	500.00
102	-184	-183	-253	-254	PP	G	0.00	0.00	500.00

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102	-186	-185	-255	-256	PP	G	0.00	0.00	500.00
102	-190	-189	-259	-260	PP	G	0.00	0.00	500.00
102	-254	-253	-378	-379	PP	G	0.00	0.00	500.00
102	-99	-98	-186	-187	PP	G	0.00	0.00	500.00
102	-100	-99	-187	-188	PP	G	0.00	0.00	500.00
102	-187	-186	-256	-257	PP	G	0.00	0.00	500.00
102	-260	-259	-384	-385	PP	G	0.00	0.00	500.00
102	-185	-184	-254	-255	PP	G	0.00	0.00	500.00
102	-189	-188	-258	-259	PP	G	0.00	0.00	500.00
102	-188	-187	-257	-258	PP	G	0.00	0.00	500.00
102	-102	-101	-189	-190	PP	G	0.00	0.00	500.00
102	-191	-190	-260	-261	PP	G	0.00	0.00	500.00
102	-255	-254	-379	-380	PP	G	0.00	0.00	500.00
102	-258	-257	-382	-383	PP	G	0.00	0.00	500.00
102	-101	-100	-188	-189	PP	G	0.00	0.00	500.00
102	-257	-256	-381	-382	PP	G	0.00	0.00	500.00
104	-130	-132	-207	-205	PP	G	0.00	0.00	500.00
104	-134	-136	-211	-209	PP	G	0.00	0.00	500.00
104	-132	-134	-209	-207	PP	G	0.00	0.00	500.00
104	-32	-34	-134	-132	PP	G	0.00	0.00	500.00
104	-24	-28	-128	-124	PP	G	0.00	0.00	500.00
104	-211	-213	-323	-319	PP	G	0.00	0.00	500.00
104	-142	-154	-225	-215	PP	G	0.00	0.00	500.00
104	-203	-205	-313	-309	PP	G	0.00	0.00	500.00
104	-138	-142	-215	-213	PP	G	0.00	0.00	500.00
104	-128	-130	-205	-203	PP	G	0.00	0.00	500.00
104	-120	-124	-201	-199	PP	G	0.00	0.00	500.00
104	-40	-44	-142	-138	PP	G	0.00	0.00	500.00
104	-118	-120	-199	-197	PP	G	0.00	0.00	500.00
104	-36	-40	-138	-136	PP	G	0.00	0.00	500.00
104	-28	-30	-130	-128	PP	G	0.00	0.00	500.00
104	-30	-32	-132	-130	PP	G	0.00	0.00	500.00
104	-201	-203	-309	-305	PP	G	0.00	0.00	500.00
104	-209	-211	-319	-317	PP	G	0.00	0.00	500.00
104	-197	-199	-301	104	PP	G	0.00	0.00	500.00
104	-207	-209	-317	-315	PP	G	0.00	0.00	500.00
104	-205	-207	-315	-313	PP	G	0.00	0.00	500.00
104	-34	-36	-136	-134	PP	G	0.00	0.00	500.00
104	-20	-24	-124	-120	PP	G	0.00	0.00	500.00
104	-199	-201	-305	-301	PP	G	0.00	0.00	500.00
104	-215	-225	108	-327	PP	G	0.00	0.00	500.00
104	-136	-138	-213	-211	PP	G	0.00	0.00	500.00
104	-44	8	-154	-142	PP	G	0.00	0.00	500.00
104	-213	-215	-327	-323	PP	G	0.00	0.00	500.00
104	-124	-128	-203	-201	PP	G	0.00	0.00	500.00
104	4	-20	-120	-118	PP	G	0.00	0.00	500.00
106	-153	-154	-225	-224	PP	G	0.00	0.00	500.00
106	-218	-219	-334	-333	PP	G	0.00	0.00	500.00
106	-148	-149	-220	-219	PP	G	0.00	0.00	500.00
106	-147	-148	-219	-218	PP	G	0.00	0.00	500.00
106	-49	-50	-149	-148	PP	G	0.00	0.00	500.00
106	-149	-150	-221	-220	PP	G	0.00	0.00	500.00
106	-222	-223	-338	-337	PP	G	0.00	0.00	500.00
106	-54	8	-154	-153	PP	G	0.00	0.00	500.00
106	-224	-225	108	-339	PP	G	0.00	0.00	500.00
106	-219	-220	-335	-334	PP	G	0.00	0.00	500.00
106	-150	-151	-222	-221	PP	G	0.00	0.00	500.00
106	-217	-218	-333	-332	PP	G	0.00	0.00	500.00
106	-47	-48	-147	-146	PP	G	0.00	0.00	500.00
106	-53	-54	-153	-152	PP	G	0.00	0.00	500.00
106	-152	-153	-224	-223	PP	G	0.00	0.00	500.00
106	-50	-51	-150	-149	PP	G	0.00	0.00	500.00
106	-51	-52	-151	-150	PP	G	0.00	0.00	500.00
106	-223	-224	-339	-338	PP	G	0.00	0.00	500.00
106	-220	-221	-336	-335	PP	G	0.00	0.00	500.00
106	-52	-53	-152	-151	PP	G	0.00	0.00	500.00
106	-146	-147	-218	-217	PP	G	0.00	0.00	500.00
106	-151	-152	-223	-222	PP	G	0.00	0.00	500.00
106	-48	-49	-148	-147	PP	G	0.00	0.00	500.00
106	-221	-222	-337	-336	PP	G	0.00	0.00	500.00
107	-238	-237	-358	-359	PP	G	0.00	0.00	500.00
107	-1630	-238	-359	-1629	PP	G	0.00	0.00	500.00
107	-169	-168	-237	-238	PP	G	0.00	0.00	500.00
107	-1631	-77	-169	-1618	PP	G	0.00	0.00	500.00
107	-77	-1343	-168	-169	PP	G	0.00	0.00	500.00
107	-1618	-169	-238	-1630	PP	G	0.00	0.00	500.00
108	-125	-1337	-276	-274	PP	G	0.00	0.00	500.00
108	-25	-1335	-1337	-125	PP	G	0.00	0.00	500.00
108	-274	-276	-310	-306	PP	G	0.00	0.00	500.00

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108	-1362	-272	-302	-1363	PP	G	0.00	0.00	500.00
108	-1360	-21	-121	-1361	PP	G	0.00	0.00	500.00
108	-272	-274	-306	-302	PP	G	0.00	0.00	500.00
108	-121	-125	-274	-272	PP	G	0.00	0.00	500.00
108	-1361	-121	-272	-1362	PP	G	0.00	0.00	500.00
108	-21	-25	-125	-121	PP	G	0.00	0.00	500.00
111	-1346	-179	-249	-1347	PP	G	0.00	0.00	650.00
111	-1347	-249	-1344	-1348	PP	G	0.00	0.00	650.00
111	-1507	-90	-179	-1346	PP	G	0.00	0.00	650.00
111	-249	-248	-373	-1344	PP	G	0.00	0.00	650.00
111	-179	-178	-248	-249	PP	G	0.00	0.00	650.00
111	-90	-89	-178	-179	PP	G	0.00	0.00	650.00
112	-104	-105	-194	-193	PP	G	0.00	0.00	625.00
112	-1506	-1	-104	-1493	PP	G	0.00	0.00	625.00
112	-1494	-193	-288	-1495	PP	G	0.00	0.00	625.00
112	-193	-194	-289	-288	PP	G	0.00	0.00	625.00
112	-1493	-104	-193	-1494	PP	G	0.00	0.00	625.00
112	-1	-2	-105	-104	PP	G	0.00	0.00	625.00
113	-116	-117	-196	-195	PP	G	0.00	0.00	625.00
113	-196	-1479	-1480	-299	PP	G	0.00	0.00	625.00
113	-195	-196	-299	-298	PP	G	0.00	0.00	625.00
113	-17	-18	-117	-116	PP	G	0.00	0.00	625.00
113	-18	-1477	-1491	-117	PP	G	0.00	0.00	625.00
113	-117	-1491	-1479	-196	PP	G	0.00	0.00	625.00
114	-244	-245	-368	116	PP	G	0.00	0.00	500.00
114	-174	-175	-245	-244	PP	G	0.00	0.00	500.00
114	16	-84	-175	-174	PP	G	0.00	0.00	500.00
116	-22	-26	-126	-122	PP	G	0.00	0.00	500.00
116	-275	-277	-311	-307	PP	G	0.00	0.00	500.00
116	-273	-275	-307	-303	PP	G	0.00	0.00	500.00
116	-1411	-122	-273	-1412	PP	G	0.00	0.00	500.00
116	-126	-1340	-277	-275	PP	G	0.00	0.00	500.00
116	-1410	-22	-122	-1411	PP	G	0.00	0.00	500.00
116	-122	-126	-275	-273	PP	G	0.00	0.00	500.00
116	-1412	-273	-303	-1413	PP	G	0.00	0.00	500.00
116	-26	-1338	-1340	-126	PP	G	0.00	0.00	500.00
118	-159	-160	-229	-228	PP	G	0.00	0.00	500.00
118	-160	-161	-230	-229	PP	G	0.00	0.00	500.00
118	-65	-66	-161	-160	PP	G	0.00	0.00	500.00
118	-228	-229	-350	110	PP	G	0.00	0.00	500.00
118	-229	-230	-351	-350	PP	G	0.00	0.00	500.00
118	10	-65	-160	-159	PP	G	0.00	0.00	500.00
122	-85	17	-177	-176	PP	G	0.00	0.00	500.00
122	-246	-247	117	-371	PP	G	0.00	0.00	500.00
122	-176	-177	-247	-246	PP	G	0.00	0.00	500.00
123	-1539	-173	-242	-1540	PP	G	0.00	0.00	500.00
123	-241	-1540	-1541	115	PP	G	0.00	0.00	500.00
123	15	-1538	-1539	-172	PP	G	0.00	0.00	500.00
123	-1538	-82	-173	-1539	PP	G	0.00	0.00	500.00
123	-172	-1539	-1540	-241	PP	G	0.00	0.00	500.00
123	-1540	-242	-364	-1541	PP	G	0.00	0.00	500.00
191	-107	-1551	-1555	-263	PP	G	0.00	0.00	625.00
191	-106	-107	-263	-262	PP	G	0.00	0.00	625.00
191	-263	-1555	-1556	-291	PP	G	0.00	0.00	625.00
191	-262	-263	-291	-290	PP	G	0.00	0.00	625.00
191	-5	-6	-107	-106	PP	G	0.00	0.00	625.00
191	-6	-1550	-1551	-107	PP	G	0.00	0.00	625.00
192	-109	-110	-266	-265	PP	G	0.00	0.00	625.00
192	-7	-8	-110	-109	PP	G	0.00	0.00	625.00
192	-1553	-109	-265	-1554	PP	G	0.00	0.00	625.00
192	-1552	-7	-109	-1553	PP	G	0.00	0.00	625.00
192	-265	-266	-293	-292	PP	G	0.00	0.00	625.00
192	-1554	-265	-292	-1557	PP	G	0.00	0.00	625.00
201	-687	-683	-754	205	PP	G	0.00	0.00	500.00
201	-661	-650	201	-730	PP	G	0.00	0.00	500.00
201	-677	-675	-746	-748	PP	G	0.00	0.00	500.00
201	-683	-679	-750	-754	PP	G	0.00	0.00	500.00
201	-412	-410	-489	-491	PP	G	0.00	0.00	500.00
201	-665	-661	-730	-734	PP	G	0.00	0.00	500.00
201	-410	-408	-487	-489	PP	G	0.00	0.00	500.00
201	-679	-677	-748	-750	PP	G	0.00	0.00	500.00
201	-479	-481	-1470	-558	PP	G	0.00	0.00	500.00
201	-669	-665	-734	-738	PP	G	0.00	0.00	500.00
201	-304	-300	-396	-400	PP	G	0.00	0.00	500.00
201	-414	-412	-491	-493	PP	G	0.00	0.00	500.00
201	-408	-406	-485	-487	PP	G	0.00	0.00	500.00
201	105	-324	-414	-418	PP	G	0.00	0.00	500.00
201	-493	-491	-570	-572	PP	G	0.00	0.00	500.00
201	-566	-564	-673	-675	PP	G	0.00	0.00	500.00

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201	-568	-566	-675	-677	PP	G	0.00	0.00	500.00
201	-554	-544	-650	-661	PP	G	0.00	0.00	500.00
201	-320	-318	-410	-412	PP	G	0.00	0.00	500.00
201	-485	-483	-562	-564	PP	G	0.00	0.00	500.00
201	-1470	-562	-671	-669	PP	G	0.00	0.00	500.00
201	-418	-414	-493	-497	PP	G	0.00	0.00	500.00
201	-673	-671	-742	-744	PP	G	0.00	0.00	500.00
201	-396	-386	-465	-475	PP	G	0.00	0.00	500.00
201	-558	-554	-661	-665	PP	G	0.00	0.00	500.00
201	-572	-570	-679	-683	PP	G	0.00	0.00	500.00
201	-406	-404	-483	-485	PP	G	0.00	0.00	500.00
201	-576	-572	-683	-687	PP	G	0.00	0.00	500.00
201	-312	-308	-402	-404	PP	G	0.00	0.00	500.00
201	-314	-312	-404	-406	PP	G	0.00	0.00	500.00
201	-300	101	-386	-396	PP	G	0.00	0.00	500.00
201	-671	-669	-738	-742	PP	G	0.00	0.00	500.00
201	-489	-487	-566	-568	PP	G	0.00	0.00	500.00
201	-324	-320	-412	-414	PP	G	0.00	0.00	500.00
201	-564	-562	-671	-673	PP	G	0.00	0.00	500.00
201	-570	-568	-677	-679	PP	G	0.00	0.00	500.00
201	-316	-314	-406	-408	PP	G	0.00	0.00	500.00
201	-491	-489	-568	-570	PP	G	0.00	0.00	500.00
201	-487	-485	-564	-566	PP	G	0.00	0.00	500.00
201	-308	-304	-400	-402	PP	G	0.00	0.00	500.00
201	-479	-475	-554	-558	PP	G	0.00	0.00	500.00
201	-497	-493	-572	-576	PP	G	0.00	0.00	500.00
201	-318	-316	-408	-410	PP	G	0.00	0.00	500.00
201	-400	-396	-475	-479	PP	G	0.00	0.00	500.00
201	-675	-673	-744	-746	PP	G	0.00	0.00	500.00
201	-558	-1470	-669	-665	PP	G	0.00	0.00	500.00
201	-481	-483	-562	-1470	PP	G	0.00	0.00	500.00
201	-475	-465	-544	-554	PP	G	0.00	0.00	500.00
201	-404	-402	-481	-483	PP	G	0.00	0.00	500.00
201	-402	-400	-479	-481	PP	G	0.00	0.00	500.00
202	-612	-611	-712	-713	PP	G	0.00	0.00	500.00
202	-384	-383	-455	-456	PP	G	0.00	0.00	500.00
202	-385	-384	-456	-457	PP	G	0.00	0.00	500.00
202	-382	-381	-453	-454	PP	G	0.00	0.00	500.00
202	-709	-708	219	-808	PP	G	0.00	0.00	500.00
202	-455	-454	-533	-534	PP	G	0.00	0.00	500.00
202	-529	-528	-607	-608	PP	G	0.00	0.00	500.00
202	-450	-449	-528	-529	PP	G	0.00	0.00	500.00
202	-454	-453	-532	-533	PP	G	0.00	0.00	500.00
202	-613	-612	-713	-714	PP	G	0.00	0.00	500.00
202	-711	-710	-809	-810	PP	G	0.00	0.00	500.00
202	-534	-533	-612	-613	PP	G	0.00	0.00	500.00
202	-714	-713	-812	-813	PP	G	0.00	0.00	500.00
202	-713	-712	-811	-812	PP	G	0.00	0.00	500.00
202	-712	-711	-810	-811	PP	G	0.00	0.00	500.00
202	-383	-382	-454	-455	PP	G	0.00	0.00	500.00
202	-715	-714	-813	-814	PP	G	0.00	0.00	500.00
202	-610	-609	-710	-711	PP	G	0.00	0.00	500.00
202	-710	-709	-808	-809	PP	G	0.00	0.00	500.00
202	-536	-535	-614	-615	PP	G	0.00	0.00	500.00
202	-614	-613	-714	-715	PP	G	0.00	0.00	500.00
202	-456	-455	-534	-535	PP	G	0.00	0.00	500.00
202	-608	-607	-708	-709	PP	G	0.00	0.00	500.00
202	-611	-610	-711	-712	PP	G	0.00	0.00	500.00
202	-451	-450	-529	-530	PP	G	0.00	0.00	500.00
202	-537	-536	-615	-616	PP	G	0.00	0.00	500.00
202	-717	-716	-815	220	PP	G	0.00	0.00	500.00
202	-453	-452	-531	-532	PP	G	0.00	0.00	500.00
202	-535	-534	-613	-614	PP	G	0.00	0.00	500.00
202	-532	-531	-610	-611	PP	G	0.00	0.00	500.00
202	-457	-456	-535	-536	PP	G	0.00	0.00	500.00
202	-609	-608	-709	-710	PP	G	0.00	0.00	500.00
202	-533	-532	-611	-612	PP	G	0.00	0.00	500.00
202	-531	-530	-609	-610	PP	G	0.00	0.00	500.00
202	-379	-378	-450	-451	PP	G	0.00	0.00	500.00
202	-615	-614	-715	-716	PP	G	0.00	0.00	500.00
202	-616	-615	-716	-717	PP	G	0.00	0.00	500.00
202	-530	-529	-608	-609	PP	G	0.00	0.00	500.00
202	-380	-379	-451	-452	PP	G	0.00	0.00	500.00
202	120	-385	-457	-458	PP	G	0.00	0.00	500.00
202	-716	-715	-814	-815	PP	G	0.00	0.00	500.00
202	-378	119	-449	-450	PP	G	0.00	0.00	500.00
202	-452	-451	-530	-531	PP	G	0.00	0.00	500.00
202	-458	-457	-536	-537	PP	G	0.00	0.00	500.00
202	-381	-380	-452	-453	PP	G	0.00	0.00	500.00

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204	-486	-488	-567	-565	PP	G	0.00	0.00	500.00
204	-319	-323	-413	-411	PP	G	0.00	0.00	500.00
204	-575	-587	-698	-686	PP	G	0.00	0.00	500.00
204	-496	-508	-587	-575	PP	G	0.00	0.00	500.00
204	-317	-319	-411	-409	PP	G	0.00	0.00	500.00
204	-567	-569	-678	-676	PP	G	0.00	0.00	500.00
204	-676	-678	-749	-747	PP	G	0.00	0.00	500.00
204	-561	-563	-672	-670	PP	G	0.00	0.00	500.00
204	-488	-490	-569	-567	PP	G	0.00	0.00	500.00
204	-660	-662	-731	204	PP	G	0.00	0.00	500.00
204	-569	-571	-682	-678	PP	G	0.00	0.00	500.00
204	-571	-575	-686	-682	PP	G	0.00	0.00	500.00
204	-563	-565	-674	-672	PP	G	0.00	0.00	500.00
204	-565	-567	-676	-674	PP	G	0.00	0.00	500.00
204	-482	-484	-563	-561	PP	G	0.00	0.00	500.00
204	-559	-561	-670	-666	PP	G	0.00	0.00	500.00
204	-315	-317	-409	-407	PP	G	0.00	0.00	500.00
204	-672	-674	-745	-743	PP	G	0.00	0.00	500.00
204	-411	-413	-492	-490	PP	G	0.00	0.00	500.00
204	-405	-407	-486	-484	PP	G	0.00	0.00	500.00
204	-301	-305	-401	-397	PP	G	0.00	0.00	500.00
204	-409	-411	-490	-488	PP	G	0.00	0.00	500.00
204	-686	-698	208	-757	PP	G	0.00	0.00	500.00
204	-401	-403	-482	-480	PP	G	0.00	0.00	500.00
204	-674	-676	-747	-745	PP	G	0.00	0.00	500.00
204	104	-301	-397	-395	PP	G	0.00	0.00	500.00
204	-403	-405	-484	-482	PP	G	0.00	0.00	500.00
204	-407	-409	-488	-486	PP	G	0.00	0.00	500.00
204	-474	-476	-555	-553	PP	G	0.00	0.00	500.00
204	-484	-486	-565	-563	PP	G	0.00	0.00	500.00
204	-662	-666	-735	-731	PP	G	0.00	0.00	500.00
204	-670	-672	-743	-739	PP	G	0.00	0.00	500.00
204	-397	-401	-480	-476	PP	G	0.00	0.00	500.00
204	-555	-559	-666	-662	PP	G	0.00	0.00	500.00
204	-480	-482	-561	-559	PP	G	0.00	0.00	500.00
204	-682	-686	-757	-753	PP	G	0.00	0.00	500.00
204	-417	-429	-508	-496	PP	G	0.00	0.00	500.00
204	-305	-309	-403	-401	PP	G	0.00	0.00	500.00
204	-490	-492	-571	-569	PP	G	0.00	0.00	500.00
204	-327	108	-429	-417	PP	G	0.00	0.00	500.00
204	-553	-555	-662	-660	PP	G	0.00	0.00	500.00
204	-492	-496	-575	-571	PP	G	0.00	0.00	500.00
204	-476	-480	-559	-555	PP	G	0.00	0.00	500.00
204	-413	-417	-496	-492	PP	G	0.00	0.00	500.00
204	-313	-315	-407	-405	PP	G	0.00	0.00	500.00
204	-666	-670	-739	-735	PP	G	0.00	0.00	500.00
204	-395	-397	-476	-474	PP	G	0.00	0.00	500.00
204	-323	-327	-417	-413	PP	G	0.00	0.00	500.00
204	-309	-313	-405	-403	PP	G	0.00	0.00	500.00
204	-678	-682	-753	-749	PP	G	0.00	0.00	500.00
206	-506	-507	-586	-585	PP	G	0.00	0.00	500.00
206	-505	-506	-585	-584	PP	G	0.00	0.00	500.00
206	-334	-335	-424	-423	PP	G	0.00	0.00	500.00
206	-585	-586	-697	-696	PP	G	0.00	0.00	500.00
206	-424	-425	-504	-503	PP	G	0.00	0.00	500.00
206	-335	-336	-425	-424	PP	G	0.00	0.00	500.00
206	-333	-334	-423	-422	PP	G	0.00	0.00	500.00
206	-425	-426	-505	-504	PP	G	0.00	0.00	500.00
206	-503	-504	-583	-582	PP	G	0.00	0.00	500.00
206	-504	-505	-584	-583	PP	G	0.00	0.00	500.00
206	-586	-587	-698	-697	PP	G	0.00	0.00	500.00
206	-502	-503	-582	-581	PP	G	0.00	0.00	500.00
206	-579	-580	-691	-690	PP	G	0.00	0.00	500.00
206	-692	-693	-765	-764	PP	G	0.00	0.00	500.00
206	-337	-338	-427	-426	PP	G	0.00	0.00	500.00
206	-423	-424	-503	-502	PP	G	0.00	0.00	500.00
206	-691	-692	-764	-763	PP	G	0.00	0.00	500.00
206	-697	-698	208	-769	PP	G	0.00	0.00	500.00
206	-695	-696	-768	-767	PP	G	0.00	0.00	500.00
206	-696	-697	-769	-768	PP	G	0.00	0.00	500.00
206	-581	-582	-693	-692	PP	G	0.00	0.00	500.00
206	-427	-428	-507	-506	PP	G	0.00	0.00	500.00
206	-580	-581	-692	-691	PP	G	0.00	0.00	500.00
206	-583	-584	-695	-694	PP	G	0.00	0.00	500.00
206	-507	-508	-587	-586	PP	G	0.00	0.00	500.00
206	-339	108	-429	-428	PP	G	0.00	0.00	500.00
206	-584	-585	-696	-695	PP	G	0.00	0.00	500.00
206	-694	-695	-767	-766	PP	G	0.00	0.00	500.00
206	-500	-501	-580	-579	PP	G	0.00	0.00	500.00

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206	-501	-502	-581	-580	PP	G	0.00	0.00	500.00
206	-693	-694	-766	-765	PP	G	0.00	0.00	500.00
206	-338	-339	-428	-427	PP	G	0.00	0.00	500.00
206	-421	-422	-501	-500	PP	G	0.00	0.00	500.00
206	-336	-337	-426	-425	PP	G	0.00	0.00	500.00
206	-332	-333	-422	-421	PP	G	0.00	0.00	500.00
206	-428	-429	-508	-507	PP	G	0.00	0.00	500.00
206	-422	-423	-502	-501	PP	G	0.00	0.00	500.00
206	-582	-583	-694	-693	PP	G	0.00	0.00	500.00
206	-426	-427	-506	-505	PP	G	0.00	0.00	500.00
206	-690	-691	-763	-762	PP	G	0.00	0.00	500.00
207	-359	-358	-443	-444	PP	G	0.00	0.00	500.00
207	-523	-522	-601	-602	PP	G	0.00	0.00	500.00
207	-1628	-444	-523	-1627	PP	G	0.00	0.00	500.00
207	-1626	-602	-704	-1625	PP	G	0.00	0.00	500.00
207	-1625	-704	-789	-1624	PP	G	0.00	0.00	500.00
207	-1629	-359	-444	-1628	PP	G	0.00	0.00	500.00
207	-602	-601	-703	-704	PP	G	0.00	0.00	500.00
207	-704	-703	-788	-789	PP	G	0.00	0.00	500.00
207	-1627	-523	-602	-1626	PP	G	0.00	0.00	500.00
207	-444	-443	-522	-523	PP	G	0.00	0.00	500.00
208	-1363	-302	-1359	-1364	PP	G	0.00	0.00	500.00
208	-1367	-623	-663	-1368	PP	G	0.00	0.00	500.00
208	-1364	-1359	-477	-1365	PP	G	0.00	0.00	500.00
208	-1366	-556	-623	-1367	PP	G	0.00	0.00	500.00
208	-1368	-663	-732	-1369	PP	G	0.00	0.00	500.00
208	-1365	-477	-556	-1366	PP	G	0.00	0.00	500.00
211	-1348	-1344	-447	-1349	PP	G	0.00	0.00	650.00
211	-1352	-706	-804	-1353	PP	G	0.00	0.00	650.00
211	-1350	-526	-605	-1351	PP	G	0.00	0.00	650.00
211	-1349	-447	-526	-1350	PP	G	0.00	0.00	650.00
211	-1351	-605	-706	-1352	PP	G	0.00	0.00	650.00
212	-1496	-387	-466	-1497	PP	G	0.00	0.00	625.00
212	-1498	-545	-651	-1499	PP	G	0.00	0.00	625.00
212	-1497	-466	-545	-1498	PP	G	0.00	0.00	625.00
212	-1495	-288	-387	-1496	PP	G	0.00	0.00	625.00
212	-1499	-651	-718	-1500	PP	G	0.00	0.00	625.00
213	-394	-1481	-1482	-473	PP	G	0.00	0.00	625.00
213	-552	-1483	-1484	-659	PP	G	0.00	0.00	625.00
213	-473	-1482	-1483	-552	PP	G	0.00	0.00	625.00
213	-659	-1484	-1485	-729	PP	G	0.00	0.00	625.00
213	-299	-1480	-1481	-394	PP	G	0.00	0.00	625.00
214	116	-368	-462	-461	PP	G	0.00	0.00	500.00
214	-540	-541	-635	-634	PP	G	0.00	0.00	500.00
214	-461	-462	-541	-540	PP	G	0.00	0.00	500.00
214	-634	-635	-798	216	PP	G	0.00	0.00	500.00
216	-1416	-557	-624	-1417	PP	G	0.00	0.00	500.00
216	-1418	-664	-733	-1419	PP	G	0.00	0.00	500.00
216	-1414	-399	-478	-1415	PP	G	0.00	0.00	500.00
216	-1413	-303	-399	-1414	PP	G	0.00	0.00	500.00
216	-1415	-478	-557	-1416	PP	G	0.00	0.00	500.00
216	-1417	-624	-664	-1418	PP	G	0.00	0.00	500.00
218	-435	-436	-515	-514	PP	G	0.00	0.00	500.00
218	-434	-435	-514	-513	PP	G	0.00	0.00	500.00
218	-592	-593	-641	-640	PP	G	0.00	0.00	500.00
218	110	-350	-435	-434	PP	G	0.00	0.00	500.00
218	-513	-514	-593	-592	PP	G	0.00	0.00	500.00
218	-640	-641	-780	210	PP	G	0.00	0.00	500.00
218	-350	-351	-436	-435	PP	G	0.00	0.00	500.00
218	-641	-642	-781	-780	PP	G	0.00	0.00	500.00
218	-514	-515	-594	-593	PP	G	0.00	0.00	500.00
218	-593	-594	-642	-641	PP	G	0.00	0.00	500.00
220	-651	-719	-718	-718	PP	G	0.00	0.00	500.00
222	-636	-637	217	-801	PP	G	0.00	0.00	500.00
222	-463	-464	-543	-542	PP	G	0.00	0.00	500.00
222	-371	117	-464	-463	PP	G	0.00	0.00	500.00
222	-542	-543	-637	-636	PP	G	0.00	0.00	500.00
223	-1543	-539	-632	-1544	PP	G	0.00	0.00	500.00
223	-1544	-632	-794	-1545	PP	G	0.00	0.00	500.00
223	-459	-1542	-1543	-538	PP	G	0.00	0.00	500.00
223	115	-1541	-1542	-459	PP	G	0.00	0.00	500.00
223	-1541	-364	-460	-1542	PP	G	0.00	0.00	500.00
223	-631	-1544	-1545	215	PP	G	0.00	0.00	500.00
223	-538	-1543	-1544	-631	PP	G	0.00	0.00	500.00
223	-1542	-460	-539	-1543	PP	G	0.00	0.00	500.00
291	-291	-1556	-1559	-388	PP	G	0.00	0.00	625.00
291	-652	-1567	-1568	-721	PP	G	0.00	0.00	625.00
291	-388	-1559	-1560	-467	PP	G	0.00	0.00	625.00
291	-546	-1563	-1564	-617	PP	G	0.00	0.00	625.00

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291	-617	-1564	-1567	-652	PP	G	0.00	0.00	625.00
291	-467	-1560	-1563	-546	PP	G	0.00	0.00	625.00
292	-1565	-619	-654	-1566	PP	G	0.00	0.00	625.00
292	-1557	-292	-390	-1558	PP	G	0.00	0.00	625.00
292	-1558	-390	-469	-1561	PP	G	0.00	0.00	625.00
292	-1566	-654	-722	-1569	PP	G	0.00	0.00	625.00
292	-1562	-548	-619	-1565	PP	G	0.00	0.00	625.00
292	-1561	-469	-548	-1562	PP	G	0.00	0.00	625.00
301	-1106	-1104	-1181	-1183	PP	G	0.00	0.00	500.00
301	-1006	-1002	-1112	-1116	PP	G	0.00	0.00	500.00
301	-848	-844	-923	-927	PP	G	0.00	0.00	500.00
301	-842	-840	-919	-921	PP	G	0.00	0.00	500.00
301	-984	-974	-1080	-1090	PP	G	0.00	0.00	500.00
301	-754	-750	-842	-844	PP	G	0.00	0.00	500.00
301	-996	-994	-1102	-1104	PP	G	0.00	0.00	500.00
301	-1102	-1100	-1177	-1179	PP	G	0.00	0.00	500.00
301	-746	-744	-836	-838	PP	G	0.00	0.00	500.00
301	-1002	-1000	-1108	-1112	PP	G	0.00	0.00	500.00
301	205	-754	-844	-848	PP	G	0.00	0.00	500.00
301	-748	-746	-838	-840	PP	G	0.00	0.00	500.00
301	-1112	-1108	-1185	-1189	PP	G	0.00	0.00	500.00
301	-988	-984	-1090	-1094	PP	G	0.00	0.00	500.00
301	-1094	-1090	-1165	-1169	PP	G	0.00	0.00	500.00
301	-913	-911	-990	-992	PP	G	0.00	0.00	500.00
301	-844	-842	-921	-923	PP	G	0.00	0.00	500.00
301	-1090	-1080	301	-1165	PP	G	0.00	0.00	500.00
301	-826	-816	-895	-905	PP	G	0.00	0.00	500.00
301	-992	-990	-1098	-1100	PP	G	0.00	0.00	500.00
301	-750	-748	-840	-842	PP	G	0.00	0.00	500.00
301	-1116	-1112	-1189	305	PP	G	0.00	0.00	500.00
301	-909	-905	-984	-988	PP	G	0.00	0.00	500.00
301	-923	-921	-1000	-1002	PP	G	0.00	0.00	500.00
301	-832	-830	-909	-911	PP	G	0.00	0.00	500.00
301	-1104	-1102	-1179	-1181	PP	G	0.00	0.00	500.00
301	-1108	-1106	-1183	-1185	PP	G	0.00	0.00	500.00
301	-911	-909	-988	-990	PP	G	0.00	0.00	500.00
301	-1098	-1094	-1169	-1173	PP	G	0.00	0.00	500.00
301	-917	-915	-994	-996	PP	G	0.00	0.00	500.00
301	-738	-734	-830	-832	PP	G	0.00	0.00	500.00
301	-919	-917	-996	-998	PP	G	0.00	0.00	500.00
301	-744	-742	-834	-836	PP	G	0.00	0.00	500.00
301	-921	-919	-998	-1000	PP	G	0.00	0.00	500.00
301	-836	-834	-913	-915	PP	G	0.00	0.00	500.00
301	-998	-996	-1104	-1106	PP	G	0.00	0.00	500.00
301	-990	-988	-1094	-1098	PP	G	0.00	0.00	500.00
301	-830	-826	-905	-909	PP	G	0.00	0.00	500.00
301	-840	-838	-917	-919	PP	G	0.00	0.00	500.00
301	-994	-992	-1100	-1102	PP	G	0.00	0.00	500.00
301	-838	-836	-915	-917	PP	G	0.00	0.00	500.00
301	-915	-913	-992	-994	PP	G	0.00	0.00	500.00
301	-730	201	-816	-826	PP	G	0.00	0.00	500.00
301	-927	-923	-1002	-1006	PP	G	0.00	0.00	500.00
301	-742	-738	-832	-834	PP	G	0.00	0.00	500.00
301	-1100	-1098	-1173	-1177	PP	G	0.00	0.00	500.00
301	-834	-832	-911	-913	PP	G	0.00	0.00	500.00
301	-905	-895	-974	-984	PP	G	0.00	0.00	500.00
301	-734	-730	-826	-830	PP	G	0.00	0.00	500.00
301	-1000	-998	-1106	-1108	PP	G	0.00	0.00	500.00
302	-1044	-1043	-1143	-1144	PP	G	0.00	0.00	500.00
302	-811	-810	-882	-883	PP	G	0.00	0.00	500.00
302	-810	-809	-881	-882	PP	G	0.00	0.00	500.00
302	-808	219	-879	-880	PP	G	0.00	0.00	500.00
302	-815	-814	-886	-887	PP	G	0.00	0.00	500.00
302	-1045	-1044	-1144	-1145	PP	G	0.00	0.00	500.00
302	-1043	-1042	-1142	-1143	PP	G	0.00	0.00	500.00
302	-1042	-1041	-1141	-1142	PP	G	0.00	0.00	500.00
302	-1145	-1144	-1264	-1265	PP	G	0.00	0.00	500.00
302	-814	-813	-885	-886	PP	G	0.00	0.00	500.00
302	-959	-958	-1037	-1038	PP	G	0.00	0.00	500.00
302	-1141	-1140	-1260	-1261	PP	G	0.00	0.00	500.00
302	-1143	-1142	-1262	-1263	PP	G	0.00	0.00	500.00
302	-809	-808	-880	-881	PP	G	0.00	0.00	500.00
302	-886	-885	-964	-965	PP	G	0.00	0.00	500.00
302	-881	-880	-959	-960	PP	G	0.00	0.00	500.00
302	-1046	-1045	-1145	-1146	PP	G	0.00	0.00	500.00
302	220	-815	-887	-888	PP	G	0.00	0.00	500.00
302	-882	-881	-960	-961	PP	G	0.00	0.00	500.00
302	-812	-811	-883	-884	PP	G	0.00	0.00	500.00
302	-963	-962	-1041	-1042	PP	G	0.00	0.00	500.00

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302	-1139	-1138	-1258	-1259	PP	G	0.00	0.00	500.00
302	-1144	-1143	-1263	-1264	PP	G	0.00	0.00	500.00
302	-888	-887	-966	-967	PP	G	0.00	0.00	500.00
302	-884	-883	-962	-963	PP	G	0.00	0.00	500.00
302	-1146	-1145	-1265	320	PP	G	0.00	0.00	500.00
302	-883	-882	-961	-962	PP	G	0.00	0.00	500.00
302	-1140	-1139	-1259	-1260	PP	G	0.00	0.00	500.00
302	-1039	-1038	-1138	-1139	PP	G	0.00	0.00	500.00
302	-961	-960	-1039	-1040	PP	G	0.00	0.00	500.00
302	-965	-964	-1043	-1044	PP	G	0.00	0.00	500.00
302	-960	-959	-1038	-1039	PP	G	0.00	0.00	500.00
302	-1038	-1037	-1137	-1138	PP	G	0.00	0.00	500.00
302	-1142	-1141	-1261	-1262	PP	G	0.00	0.00	500.00
302	-1041	-1040	-1140	-1141	PP	G	0.00	0.00	500.00
302	-966	-965	-1044	-1045	PP	G	0.00	0.00	500.00
302	-880	-879	-958	-959	PP	G	0.00	0.00	500.00
302	-813	-812	-884	-885	PP	G	0.00	0.00	500.00
302	-967	-966	-1045	-1046	PP	G	0.00	0.00	500.00
302	-1040	-1039	-1139	-1140	PP	G	0.00	0.00	500.00
302	-964	-963	-1042	-1043	PP	G	0.00	0.00	500.00
302	-1138	-1137	319	-1258	PP	G	0.00	0.00	500.00
302	-962	-961	-1040	-1041	PP	G	0.00	0.00	500.00
302	-885	-884	-963	-964	PP	G	0.00	0.00	500.00
302	-887	-886	-965	-966	PP	G	0.00	0.00	500.00
303	-1289	-1288	-1297	-1298	PP	G	0.00	0.00	500.00
303	-1320	-1319	-1328	-1329	PP	G	0.00	0.00	500.00
303	-1299	-1298	-1312	-1313	PP	G	0.00	0.00	500.00
303	-1334	-1333	406	406	PP	G	0.00	0.00	500.00
303	-1327	-1326	-1331	-1333	PP	G	0.00	0.00	500.00
303	-1264	-1263	-1274	-1275	PP	G	0.00	0.00	500.00
303	-1321	-1320	-1329	-1329	PP	G	0.00	0.00	500.00
303	-1309	-1308	-1317	-1318	PP	G	0.00	0.00	500.00
303	-1288	-1287	-1296	-1297	PP	G	0.00	0.00	500.00
303	-1312	-1311	-1320	-1321	PP	G	0.00	0.00	500.00
303	-1310	-1309	-1318	-1319	PP	G	0.00	0.00	500.00
303	-1295	-1294	-1308	-1309	PP	G	0.00	0.00	500.00
303	-1263	-1262	-1273	-1274	PP	G	0.00	0.00	500.00
303	-1258	319	-1268	-1269	PP	G	0.00	0.00	500.00
303	-1269	-1268	-1285	-1286	PP	G	0.00	0.00	500.00
303	-1265	-1264	-1275	-1267	PP	G	0.00	0.00	500.00
303	-1328	-1327	-1333	-1334	PP	G	0.00	0.00	500.00
303	-1318	-1317	-1326	-1327	PP	G	0.00	0.00	500.00
303	-1260	-1259	-1270	-1271	PP	G	0.00	0.00	500.00
303	-1286	-1285	-1294	-1295	PP	G	0.00	0.00	500.00
303	-1275	-1274	-1291	-1292	PP	G	0.00	0.00	500.00
303	-1311	-1310	-1319	-1320	PP	G	0.00	0.00	500.00
303	-1291	-1290	-1299	-1300	PP	G	0.00	0.00	500.00
303	-1313	-1312	-1321	-1321	PP	G	0.00	0.00	500.00
303	-1329	-1328	-1334	-1334	PP	G	0.00	0.00	500.00
303	-1296	-1295	-1309	-1310	PP	G	0.00	0.00	500.00
303	-1274	-1273	-1290	-1291	PP	G	0.00	0.00	500.00
303	-1292	-1291	-1300	-1300	PP	G	0.00	0.00	500.00
303	-1261	-1260	-1271	-1272	PP	G	0.00	0.00	500.00
303	-1297	-1296	-1310	-1311	PP	G	0.00	0.00	500.00
303	-1298	-1297	-1311	-1312	PP	G	0.00	0.00	500.00
303	-1262	-1261	-1272	-1273	PP	G	0.00	0.00	500.00
303	-1271	-1270	-1287	-1288	PP	G	0.00	0.00	500.00
303	320	-1265	-1267	-1267	PP	G	0.00	0.00	500.00
303	-1319	-1318	-1327	-1328	PP	G	0.00	0.00	500.00
303	-1273	-1272	-1289	-1290	PP	G	0.00	0.00	500.00
303	-1270	-1269	-1286	-1287	PP	G	0.00	0.00	500.00
303	-1290	-1289	-1298	-1299	PP	G	0.00	0.00	500.00
303	-1259	-1258	-1269	-1270	PP	G	0.00	0.00	500.00
303	-1267	-1275	-1292	-1292	PP	G	0.00	0.00	500.00
303	-1333	-1331	406	406	PP	G	0.00	0.00	500.00
303	-1300	-1299	-1313	-1313	PP	G	0.00	0.00	500.00
303	-1272	-1271	-1288	-1289	PP	G	0.00	0.00	500.00
303	-1287	-1286	-1295	-1296	PP	G	0.00	0.00	500.00
304	-999	-1001	-1111	-1107	PP	G	0.00	0.00	500.00
304	-904	-906	-985	-983	PP	G	0.00	0.00	500.00
304	-922	-926	-1005	-1001	PP	G	0.00	0.00	500.00
304	-837	-839	-918	-916	PP	G	0.00	0.00	500.00
304	-843	-847	-926	-922	PP	G	0.00	0.00	500.00
304	-745	-747	-839	-837	PP	G	0.00	0.00	500.00
304	-847	-859	-938	-926	PP	G	0.00	0.00	500.00
304	-918	-920	-999	-997	PP	G	0.00	0.00	500.00
304	-743	-745	-837	-835	PP	G	0.00	0.00	500.00
304	-1101	-1103	-1180	-1178	PP	G	0.00	0.00	500.00
304	-1095	-1099	-1174	-1170	PP	G	0.00	0.00	500.00

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304	-995	-997	-1105	-1103	PP	G	0.00	0.00	500.00
304	-997	-999	-1107	-1105	PP	G	0.00	0.00	500.00
304	204	-731	-827	-825	PP	G	0.00	0.00	500.00
304	-735	-739	-833	-831	PP	G	0.00	0.00	500.00
304	-916	-918	-997	-995	PP	G	0.00	0.00	500.00
304	-839	-841	-920	-918	PP	G	0.00	0.00	500.00
304	-1115	-1127	308	-1192	PP	G	0.00	0.00	500.00
304	-841	-843	-922	-920	PP	G	0.00	0.00	500.00
304	-985	-989	-1095	-1091	PP	G	0.00	0.00	500.00
304	-989	-991	-1099	-1095	PP	G	0.00	0.00	500.00
304	-920	-922	-1001	-999	PP	G	0.00	0.00	500.00
304	-757	208	-859	-847	PP	G	0.00	0.00	500.00
304	-926	-938	-1017	-1005	PP	G	0.00	0.00	500.00
304	-1089	-1091	-1166	304	PP	G	0.00	0.00	500.00
304	-1099	-1101	-1178	-1174	PP	G	0.00	0.00	500.00
304	-914	-916	-995	-993	PP	G	0.00	0.00	500.00
304	-739	-743	-835	-833	PP	G	0.00	0.00	500.00
304	-912	-914	-993	-991	PP	G	0.00	0.00	500.00
304	-983	-985	-1091	-1089	PP	G	0.00	0.00	500.00
304	-1107	-1111	-1188	-1184	PP	G	0.00	0.00	500.00
304	-753	-757	-847	-843	PP	G	0.00	0.00	500.00
304	-993	-995	-1103	-1101	PP	G	0.00	0.00	500.00
304	-910	-912	-991	-989	PP	G	0.00	0.00	500.00
304	-747	-749	-841	-839	PP	G	0.00	0.00	500.00
304	-835	-837	-916	-914	PP	G	0.00	0.00	500.00
304	-1005	-1017	-1127	-1115	PP	G	0.00	0.00	500.00
304	-991	-993	-1101	-1099	PP	G	0.00	0.00	500.00
304	-1111	-1115	-1192	-1188	PP	G	0.00	0.00	500.00
304	-827	-831	-910	-906	PP	G	0.00	0.00	500.00
304	-1105	-1107	-1184	-1182	PP	G	0.00	0.00	500.00
304	-1001	-1005	-1115	-1111	PP	G	0.00	0.00	500.00
304	-833	-835	-914	-912	PP	G	0.00	0.00	500.00
304	-906	-910	-989	-985	PP	G	0.00	0.00	500.00
304	-831	-833	-912	-910	PP	G	0.00	0.00	500.00
304	-1091	-1095	-1170	-1166	PP	G	0.00	0.00	500.00
304	-1103	-1105	-1182	-1180	PP	G	0.00	0.00	500.00
304	-825	-827	-906	-904	PP	G	0.00	0.00	500.00
304	-749	-753	-843	-841	PP	G	0.00	0.00	500.00
304	-731	-735	-831	-827	PP	G	0.00	0.00	500.00
305	-1192	308	-1277	-1276	PP	G	0.00	0.00	500.00
305	-1325	-1330	404	404	PP	G	0.00	0.00	500.00
305	-1182	-1184	-1283	-1282	PP	G	0.00	0.00	500.00
305	-1279	-1280	-1303	-1293	PP	G	0.00	0.00	500.00
305	-1307	-1284	-1276	-1301	PP	G	0.00	0.00	500.00
305	-1324	-1332	404	-1325	PP	G	0.00	0.00	500.00
305	-1323	-1324	-1332	-1332	PP	G	0.00	0.00	500.00
305	-1180	-1182	-1282	-1281	PP	G	0.00	0.00	500.00
305	-1316	-1322	-1330	-1330	PP	G	0.00	0.00	500.00
305	-1307	-1301	-1316	-1325	PP	G	0.00	0.00	500.00
305	-1278	-1279	-1293	-1293	PP	G	0.00	0.00	500.00
305	-1280	-1281	-1304	-1303	PP	G	0.00	0.00	500.00
305	-1305	-1306	-1324	-1323	PP	G	0.00	0.00	500.00
305	-1316	-1330	-1325	-1325	PP	G	0.00	0.00	500.00
305	-1282	-1283	-1306	-1305	PP	G	0.00	0.00	500.00
305	-1303	-1304	-1315	-1315	PP	G	0.00	0.00	500.00
305	-1174	-1178	-1280	-1279	PP	G	0.00	0.00	500.00
305	-1184	-1283	-1284	-1188	PP	G	0.00	0.00	500.00
305	-1166	-1170	-1278	-1266	PP	G	0.00	0.00	500.00
305	-1276	-1284	-1188	-1192	PP	G	0.00	0.00	500.00
305	-1283	-1306	-1307	-1284	PP	G	0.00	0.00	500.00
305	-1301	-1302	-1322	-1316	PP	G	0.00	0.00	500.00
305	-1170	-1174	-1279	-1278	PP	G	0.00	0.00	500.00
305	-1304	-1305	-1323	-1315	PP	G	0.00	0.00	500.00
305	-1178	-1180	-1281	-1280	PP	G	0.00	0.00	500.00
305	-1276	-1277	-1302	-1301	PP	G	0.00	0.00	500.00
305	304	-1166	-1266	-1266	PP	G	0.00	0.00	500.00
305	-1306	-1324	-1325	-1307	PP	G	0.00	0.00	500.00
305	-1281	-1282	-1305	-1304	PP	G	0.00	0.00	500.00
306	-855	-856	-935	-934	PP	G	0.00	0.00	500.00
306	-1122	-1123	-1205	-1204	PP	G	0.00	0.00	500.00
306	-768	-769	-858	-857	PP	G	0.00	0.00	500.00
306	-763	-764	-853	-852	PP	G	0.00	0.00	500.00
306	-1120	-1121	-1203	-1202	PP	G	0.00	0.00	500.00
306	-934	-935	-1014	-1013	PP	G	0.00	0.00	500.00
306	-1121	-1122	-1204	-1203	PP	G	0.00	0.00	500.00
306	-765	-766	-855	-854	PP	G	0.00	0.00	500.00
306	-933	-934	-1013	-1012	PP	G	0.00	0.00	500.00
306	-764	-765	-854	-853	PP	G	0.00	0.00	500.00
306	-1015	-1016	-1126	-1125	PP	G	0.00	0.00	500.00

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306	-854	-855	-934	-933	PP	G	0.00	0.00	500.00
306	-853	-854	-933	-932	PP	G	0.00	0.00	500.00
306	-762	-763	-852	-851	PP	G	0.00	0.00	500.00
306	-931	-932	-1011	-1010	PP	G	0.00	0.00	500.00
306	-932	-933	-1012	-1011	PP	G	0.00	0.00	500.00
306	-1016	-1017	-1127	-1126	PP	G	0.00	0.00	500.00
306	-769	208	-859	-858	PP	G	0.00	0.00	500.00
306	-1119	-1120	-1202	-1201	PP	G	0.00	0.00	500.00
306	-1009	-1010	-1120	-1119	PP	G	0.00	0.00	500.00
306	-1010	-1011	-1121	-1120	PP	G	0.00	0.00	500.00
306	-767	-768	-857	-856	PP	G	0.00	0.00	500.00
306	-766	-767	-856	-855	PP	G	0.00	0.00	500.00
306	-852	-853	-932	-931	PP	G	0.00	0.00	500.00
306	-930	-931	-1010	-1009	PP	G	0.00	0.00	500.00
306	-1126	-1127	308	-1208	PP	G	0.00	0.00	500.00
306	-1014	-1015	-1125	-1124	PP	G	0.00	0.00	500.00
306	-1125	-1126	-1208	-1207	PP	G	0.00	0.00	500.00
306	-937	-938	-1017	-1016	PP	G	0.00	0.00	500.00
306	-1124	-1125	-1207	-1206	PP	G	0.00	0.00	500.00
306	-935	-936	-1015	-1014	PP	G	0.00	0.00	500.00
306	-851	-852	-931	-930	PP	G	0.00	0.00	500.00
306	-1011	-1012	-1122	-1121	PP	G	0.00	0.00	500.00
306	-1013	-1014	-1124	-1123	PP	G	0.00	0.00	500.00
306	-936	-937	-1016	-1015	PP	G	0.00	0.00	500.00
306	-857	-858	-937	-936	PP	G	0.00	0.00	500.00
306	-858	-859	-938	-937	PP	G	0.00	0.00	500.00
306	-1012	-1013	-1123	-1122	PP	G	0.00	0.00	500.00
306	-856	-857	-936	-935	PP	G	0.00	0.00	500.00
306	-1123	-1124	-1206	-1205	PP	G	0.00	0.00	500.00
307	-1624	-789	-874	-1623	PP	G	0.00	0.00	500.00
307	-953	-952	-1031	-1032	PP	G	0.00	0.00	500.00
307	-1032	-1031	-1132	-1133	PP	G	0.00	0.00	500.00
307	-874	-873	-952	-953	PP	G	0.00	0.00	500.00
307	-789	-788	-873	-874	PP	G	0.00	0.00	500.00
307	-1133	-1132	-1231	-1232	PP	G	0.00	0.00	500.00
307	-1621	-1032	-1133	-1619	PP	G	0.00	0.00	500.00
307	-1623	-874	-953	-1622	PP	G	0.00	0.00	500.00
307	-1622	-953	-1032	-1621	PP	G	0.00	0.00	500.00
307	-1619	-1133	-1232	-1620	PP	G	0.00	0.00	500.00
308	-1092	-1096	-1175	-1167	PP	G	0.00	0.00	500.00
308	-1374	-1092	-1167	-1375	PP	G	0.00	0.00	500.00
308	-1369	-732	-828	-1370	PP	G	0.00	0.00	500.00
308	-1370	-828	-907	-1371	PP	G	0.00	0.00	500.00
308	-1373	-1053	-1092	-1374	PP	G	0.00	0.00	500.00
308	-1371	-907	-986	-1372	PP	G	0.00	0.00	500.00
308	-1372	-986	-1053	-1373	PP	G	0.00	0.00	500.00
311	-1354	-877	-956	-1355	PP	G	0.00	0.00	650.00
311	-1353	-804	-877	-1354	PP	G	0.00	0.00	650.00
311	-1357	-1135	-1253	-1358	PP	G	0.00	0.00	650.00
311	-1355	-956	-1035	-1356	PP	G	0.00	0.00	650.00
311	-1356	-1035	-1135	-1357	PP	G	0.00	0.00	650.00
312	-1503	-975	-1081	-1504	PP	G	0.00	0.00	625.00
312	-1500	-718	-817	-1501	PP	G	0.00	0.00	625.00
312	-1502	-896	-975	-1503	PP	G	0.00	0.00	625.00
312	-1501	-817	-896	-1502	PP	G	0.00	0.00	625.00
312	-1504	-1081	-1147	-1505	PP	G	0.00	0.00	625.00
313	-903	-1487	-1488	-982	PP	G	0.00	0.00	625.00
313	-824	-1486	-1487	-903	PP	G	0.00	0.00	625.00
313	-729	-1485	-1486	-824	PP	G	0.00	0.00	625.00
313	-1088	-1489	-1490	-1164	PP	G	0.00	0.00	625.00
313	-982	-1488	-1489	-1088	PP	G	0.00	0.00	625.00
314	-1064	-1065	-1244	316	PP	G	0.00	0.00	500.00
314	216	-798	-892	-891	PP	G	0.00	0.00	500.00
314	-970	-971	-1065	-1064	PP	G	0.00	0.00	500.00
314	-891	-892	-971	-970	PP	G	0.00	0.00	500.00
316	-1424	-1093	-1168	-1425	PP	G	0.00	0.00	500.00
316	-1421	-908	-987	-1422	PP	G	0.00	0.00	500.00
316	-1423	-1054	-1093	-1424	PP	G	0.00	0.00	500.00
316	-1419	-733	-829	-1420	PP	G	0.00	0.00	500.00
316	-1420	-829	-908	-1421	PP	G	0.00	0.00	500.00
316	-1422	-987	-1054	-1423	PP	G	0.00	0.00	500.00
318	-943	-944	-1023	-1022	PP	G	0.00	0.00	500.00
318	210	-780	-865	-864	PP	G	0.00	0.00	500.00
318	-780	-781	-866	-865	PP	G	0.00	0.00	500.00
318	-864	-865	-944	-943	PP	G	0.00	0.00	500.00
318	-944	-945	-1024	-1023	PP	G	0.00	0.00	500.00
318	-1023	-1024	-1072	-1071	PP	G	0.00	0.00	500.00
318	-1022	-1023	-1071	-1070	PP	G	0.00	0.00	500.00
318	-865	-866	-945	-944	PP	G	0.00	0.00	500.00

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318	-1070	-1071	-1221	310	PP	G	0.00	0.00	500.00
318	-1071	-1072	-1222	-1221	PP	G	0.00	0.00	500.00
322	-1066	-1067	317	-1245	PP	G	0.00	0.00	500.00
322	-801	217	-894	-893	PP	G	0.00	0.00	500.00
322	-972	-973	-1067	-1066	PP	G	0.00	0.00	500.00
322	-893	-894	-973	-972	PP	G	0.00	0.00	500.00
323	-1545	-794	-890	-1546	PP	G	0.00	0.00	500.00
323	-968	-1547	-1548	-1061	PP	G	0.00	0.00	500.00
323	-1546	-890	-969	-1547	PP	G	0.00	0.00	500.00
323	-1548	-1062	-1242	-1549	PP	G	0.00	0.00	500.00
323	-1547	-969	-1062	-1548	PP	G	0.00	0.00	500.00
323	-1061	-1548	-1549	315	PP	G	0.00	0.00	500.00
323	215	-1545	-1546	-889	PP	G	0.00	0.00	500.00
323	-889	-1546	-1547	-968	PP	G	0.00	0.00	500.00
325	-1081	-1147	-1148	-1148	PP	G	0.00	0.00	500.00
391	-897	-1572	-1575	-976	PP	G	0.00	0.00	625.00
391	-818	-1571	-1572	-897	PP	G	0.00	0.00	625.00
391	-1047	-1577	-1578	-1082	PP	G	0.00	0.00	625.00
391	-976	-1575	-1577	-1047	PP	G	0.00	0.00	625.00
391	-1082	-1578	-1616	-1152	PP	G	0.00	0.00	625.00
391	-721	-1568	-1571	-818	PP	G	0.00	0.00	625.00
392	-1570	-820	-899	-1573	PP	G	0.00	0.00	625.00
392	-1574	-978	-1049	-1576	PP	G	0.00	0.00	625.00
392	-1576	-1049	-1084	-1579	PP	G	0.00	0.00	625.00
392	-1573	-899	-978	-1574	PP	G	0.00	0.00	625.00
392	-1569	-722	-820	-1570	PP	G	0.00	0.00	625.00
392	-1579	-1084	-1153	-1614	PP	G	0.00	0.00	625.00
1101	-12	-1600	-1601	-112	PP	G	0.00	0.00	625.00
1101	-111	-112	-268	-267	PP	G	0.00	0.00	625.00
1101	-11	-12	-112	-111	PP	G	0.00	0.00	625.00
1101	-268	-1602	-1603	-295	PP	G	0.00	0.00	625.00
1101	-112	-1601	-1602	-268	PP	G	0.00	0.00	625.00
1101	-267	-268	-295	-294	PP	G	0.00	0.00	625.00
1102	-1599	-13	-114	-1598	PP	G	0.00	0.00	625.00
1102	-114	-115	-271	-270	PP	G	0.00	0.00	625.00
1102	-270	-271	-297	-296	PP	G	0.00	0.00	625.00
1102	-13	-14	-115	-114	PP	G	0.00	0.00	625.00
1102	-1598	-114	-270	-1597	PP	G	0.00	0.00	625.00
1102	-1597	-270	-296	-1596	PP	G	0.00	0.00	625.00
1151	-140	-1395	-1396	-280	PP	G	0.00	0.00	500.00
1151	-42	-1693	-1395	-140	PP	G	0.00	0.00	500.00
1151	-1376	-42	-140	-1342	PP	G	0.00	0.00	500.00
1151	-1342	-140	-280	-278	PP	G	0.00	0.00	500.00
1151	-280	-1396	-1397	-325	PP	G	0.00	0.00	500.00
1151	-278	-280	-325	-321	PP	G	0.00	0.00	500.00
1152	-1391	-284	-340	-1390	PP	G	0.00	0.00	500.00
1152	-1692	-55	-1377	-1392	PP	G	0.00	0.00	500.00
1152	-1392	-1377	-284	-1391	PP	G	0.00	0.00	500.00
1171	-281	-1428	-1429	-326	PP	G	0.00	0.00	500.00
1171	-43	-1426	-1427	-141	PP	G	0.00	0.00	500.00
1171	-279	-281	-326	-322	PP	G	0.00	0.00	500.00
1171	-1341	-141	-281	-279	PP	G	0.00	0.00	500.00
1171	-39	-43	-141	-1341	PP	G	0.00	0.00	500.00
1171	-141	-1427	-1428	-281	PP	G	0.00	0.00	500.00
1172	-1457	-56	-156	-1456	PP	G	0.00	0.00	500.00
1172	-1455	-285	-341	-1454	PP	G	0.00	0.00	500.00
1172	-1456	-156	-285	-1455	PP	G	0.00	0.00	500.00
1191	-71	-1689	-1691	-162	PP	G	0.00	0.00	500.00
1191	-231	-1669	-1664	-353	PP	G	0.00	0.00	500.00
1191	-162	-1691	-1669	-231	PP	G	0.00	0.00	500.00
1192	-1662	-72	-164	-1690	PP	G	0.00	0.00	500.00
1192	-1670	-233	-354	-1671	PP	G	0.00	0.00	500.00
1192	-1690	-164	-233	-1670	PP	G	0.00	0.00	500.00
1201	-234	-1636	-1639	-355	PP	G	0.00	0.00	500.00
1201	-73	-1634	-1661	-165	PP	G	0.00	0.00	500.00
1201	-165	-1661	-1636	-234	PP	G	0.00	0.00	500.00
1202	-1632	-74	-167	-1660	PP	G	0.00	0.00	500.00
1202	-1637	-236	-356	-1638	PP	G	0.00	0.00	500.00
1202	-1660	-167	-236	-1637	PP	G	0.00	0.00	500.00
1211	-226	-1524	-1525	-347	PP	G	0.00	0.00	500.00
1211	-157	-1523	-1524	-226	PP	G	0.00	0.00	500.00
1211	-62	-1537	-1523	-157	PP	G	0.00	0.00	500.00
1212	-1510	-240	-360	-1511	PP	G	0.00	0.00	500.00
1212	-1509	-171	-240	-1510	PP	G	0.00	0.00	500.00
1212	-1536	-78	-171	-1509	PP	G	0.00	0.00	500.00
2101	-391	-1604	-1605	-470	PP	G	0.00	0.00	625.00
2101	-295	-1603	-1604	-391	PP	G	0.00	0.00	625.00
2101	-655	-1608	-1609	-725	PP	G	0.00	0.00	625.00
2101	-549	-1606	-1607	-620	PP	G	0.00	0.00	625.00

Relazione di calcolo

2101	-470	-1605	-1606	-549	PP	G	0.00	0.00	625.00
2101	-620	-1607	-1608	-655	PP	G	0.00	0.00	625.00
2102	-1593	-551	-622	-1592	PP	G	0.00	0.00	625.00
2102	-1596	-296	-393	-1595	PP	G	0.00	0.00	625.00
2102	-1594	-472	-551	-1593	PP	G	0.00	0.00	625.00
2102	-1591	-657	-726	-1590	PP	G	0.00	0.00	625.00
2102	-1592	-622	-657	-1591	PP	G	0.00	0.00	625.00
2102	-1595	-393	-472	-1594	PP	G	0.00	0.00	625.00
2151	-684	-1402	-1403	-755	PP	G	0.00	0.00	500.00
2151	-415	-1398	-1399	-494	PP	G	0.00	0.00	500.00
2151	-573	-1400	-1401	-625	PP	G	0.00	0.00	500.00
2151	-325	-1397	-1398	-415	PP	G	0.00	0.00	500.00
2151	-625	-1401	-1402	-684	PP	G	0.00	0.00	500.00
2151	-494	-1399	-1400	-573	PP	G	0.00	0.00	500.00
2152	-1389	-430	-509	-1388	PP	G	0.00	0.00	500.00
2152	-1385	-699	-770	-1384	PP	G	0.00	0.00	500.00
2152	-1388	-509	-588	-1387	PP	G	0.00	0.00	500.00
2152	-1390	-340	-430	-1389	PP	G	0.00	0.00	500.00
2152	-1386	-629	-699	-1385	PP	G	0.00	0.00	500.00
2152	-1387	-588	-629	-1386	PP	G	0.00	0.00	500.00
2171	-626	-1433	-1434	-685	PP	G	0.00	0.00	500.00
2171	-685	-1434	-1435	-756	PP	G	0.00	0.00	500.00
2171	-495	-1431	-1432	-574	PP	G	0.00	0.00	500.00
2171	-326	-1429	-1430	-416	PP	G	0.00	0.00	500.00
2171	-416	-1430	-1431	-495	PP	G	0.00	0.00	500.00
2171	-574	-1432	-1433	-626	PP	G	0.00	0.00	500.00
2172	-1451	-589	-630	-1450	PP	G	0.00	0.00	500.00
2172	-1454	-341	-431	-1453	PP	G	0.00	0.00	500.00
2172	-1452	-510	-589	-1451	PP	G	0.00	0.00	500.00
2172	-1450	-630	-700	-1449	PP	G	0.00	0.00	500.00
2172	-1449	-700	-771	-1448	PP	G	0.00	0.00	500.00
2172	-1453	-431	-510	-1452	PP	G	0.00	0.00	500.00
2191	-595	-1673	-1674	-643	PP	G	0.00	0.00	500.00
2191	-353	-1664	-1665	-437	PP	G	0.00	0.00	500.00
2191	-516	-1672	-1673	-595	PP	G	0.00	0.00	500.00
2191	-437	-1665	-1672	-516	PP	G	0.00	0.00	500.00
2191	-643	-1674	-1666	-783	PP	G	0.00	0.00	500.00
2192	-1671	-354	-439	-1675	PP	G	0.00	0.00	500.00
2192	-1676	-518	-597	-1677	PP	G	0.00	0.00	500.00
2192	-1675	-439	-518	-1676	PP	G	0.00	0.00	500.00
2192	-1677	-597	-645	-1678	PP	G	0.00	0.00	500.00
2192	-1678	-645	-784	-1679	PP	G	0.00	0.00	500.00
2201	-598	-1655	-1656	-646	PP	G	0.00	0.00	500.00
2201	-519	-1654	-1655	-598	PP	G	0.00	0.00	500.00
2201	-440	-1640	-1654	-519	PP	G	0.00	0.00	500.00
2201	-646	-1656	-1642	-785	PP	G	0.00	0.00	500.00
2201	-355	-1639	-1640	-440	PP	G	0.00	0.00	500.00
2202	-1641	-442	-521	-1657	PP	G	0.00	0.00	500.00
2202	-1638	-356	-442	-1641	PP	G	0.00	0.00	500.00
2202	-1657	-521	-600	-1658	PP	G	0.00	0.00	500.00
2202	-1658	-600	-648	-1659	PP	G	0.00	0.00	500.00
2211	-638	-1529	-1530	-777	PP	G	0.00	0.00	500.00
2211	-560	-1528	-1529	-638	PP	G	0.00	0.00	500.00
2211	-432	-1526	-1527	-511	PP	G	0.00	0.00	500.00
2211	-511	-1527	-1528	-560	PP	G	0.00	0.00	500.00
2211	-347	-1525	-1526	-432	PP	G	0.00	0.00	500.00
2212	-1511	-360	-446	-1512	PP	G	0.00	0.00	500.00
2212	-1514	-604	-649	-1515	PP	G	0.00	0.00	500.00
2212	-1515	-649	-790	-1516	PP	G	0.00	0.00	500.00
2212	-1513	-525	-604	-1514	PP	G	0.00	0.00	500.00
2212	-1512	-446	-525	-1513	PP	G	0.00	0.00	500.00
3101	-979	-1612	-1613	-1050	PP	G	0.00	0.00	625.00
3101	-1050	-1613	-1582	-1085	PP	G	0.00	0.00	625.00
3101	-1085	-1582	-1617	-1158	PP	G	0.00	0.00	625.00
3101	-821	-1610	-1611	-900	PP	G	0.00	0.00	625.00
3101	-725	-1609	-1610	-821	PP	G	0.00	0.00	625.00
3101	-900	-1611	-1612	-979	PP	G	0.00	0.00	625.00
3102	-1588	-902	-981	-1587	PP	G	0.00	0.00	625.00
3102	-1586	-1052	-1087	-1584	PP	G	0.00	0.00	625.00
3102	-1584	-1087	-1159	-1615	PP	G	0.00	0.00	625.00
3102	-1587	-981	-1052	-1586	PP	G	0.00	0.00	625.00
3102	-1589	-823	-902	-1588	PP	G	0.00	0.00	625.00
3102	-1590	-726	-823	-1589	PP	G	0.00	0.00	625.00
3151	-845	-1404	-1405	-924	PP	G	0.00	0.00	500.00
3151	-924	-1405	-1406	-1003	PP	G	0.00	0.00	500.00
3151	-1055	-1407	-1408	-1113	PP	G	0.00	0.00	500.00
3151	-1113	-1408	-1409	-1190	PP	G	0.00	0.00	500.00
3151	-1003	-1406	-1407	-1055	PP	G	0.00	0.00	500.00
3151	-755	-1403	-1404	-845	PP	G	0.00	0.00	500.00

Relazione di calcolo

3152	-1383	-860	-939	-1382	PP	G	0.00	0.00	500.00
3152	-1380	-1018	-1059	-1381	PP	G	0.00	0.00	500.00
3152	-1381	-1059	-1128	-1378	PP	G	0.00	0.00	500.00
3152	-1382	-939	-1018	-1380	PP	G	0.00	0.00	500.00
3152	-1378	-1128	-1209	-1379	PP	G	0.00	0.00	500.00
3152	-1384	-770	-860	-1383	PP	G	0.00	0.00	500.00
3171	-756	-1435	-1436	-846	PP	G	0.00	0.00	500.00
3171	-1056	-1439	-1440	-1114	PP	G	0.00	0.00	500.00
3171	-1114	-1440	-1441	-1191	PP	G	0.00	0.00	500.00
3171	-846	-1436	-1437	-925	PP	G	0.00	0.00	500.00
3171	-1004	-1438	-1439	-1056	PP	G	0.00	0.00	500.00
3171	-925	-1437	-1438	-1004	PP	G	0.00	0.00	500.00
3172	-1447	-861	-940	-1446	PP	G	0.00	0.00	500.00
3172	-1448	-771	-861	-1447	PP	G	0.00	0.00	500.00
3172	-1444	-1060	-1129	-1442	PP	G	0.00	0.00	500.00
3172	-1446	-940	-1019	-1445	PP	G	0.00	0.00	500.00
3172	-1442	-1129	-1210	-1443	PP	G	0.00	0.00	500.00
3172	-1445	-1019	-1060	-1444	PP	G	0.00	0.00	500.00
3191	-1025	-1681	-1682	-1073	PP	G	0.00	0.00	500.00
3191	-783	-1666	-1667	-867	PP	G	0.00	0.00	500.00
3191	-867	-1667	-1680	-946	PP	G	0.00	0.00	500.00
3191	-946	-1680	-1681	-1025	PP	G	0.00	0.00	500.00
3191	-1073	-1682	-1683	-1224	PP	G	0.00	0.00	500.00
3192	-1685	-948	-1027	-1686	PP	G	0.00	0.00	500.00
3192	-1686	-1027	-1075	-1687	PP	G	0.00	0.00	500.00
3192	-1684	-869	-948	-1685	PP	G	0.00	0.00	500.00
3192	-1679	-784	-869	-1684	PP	G	0.00	0.00	500.00
3192	-1687	-1075	-1225	-1688	PP	G	0.00	0.00	500.00
3201	-1028	-1645	-1646	-1076	PP	G	0.00	0.00	500.00
3201	-949	-1644	-1645	-1028	PP	G	0.00	0.00	500.00
3201	-785	-1642	-1643	-870	PP	G	0.00	0.00	500.00
3201	-1076	-1646	-1647	-1226	PP	G	0.00	0.00	500.00
3201	-870	-1643	-1644	-949	PP	G	0.00	0.00	500.00
3202	-1651	-1030	-1078	-1652	PP	G	0.00	0.00	500.00
3202	-1652	-1078	-1227	-1653	PP	G	0.00	0.00	500.00
3202	-1650	-951	-1030	-1651	PP	G	0.00	0.00	500.00
3202	-1649	-872	-951	-1650	PP	G	0.00	0.00	500.00
3202	-1648	-786	-872	-1649	PP	G	0.00	0.00	500.00
3211	-862	-1531	-1532	-941	PP	G	0.00	0.00	500.00
3211	-777	-1530	-1531	-862	PP	G	0.00	0.00	500.00
3211	-1020	-1533	-1534	-1068	PP	G	0.00	0.00	500.00
3211	-941	-1532	-1533	-1020	PP	G	0.00	0.00	500.00
3211	-1068	-1534	-1535	-1216	PP	G	0.00	0.00	500.00
3212	-1516	-790	-876	-1517	PP	G	0.00	0.00	500.00
3212	-1520	-1079	-1233	-1521	PP	G	0.00	0.00	500.00
3212	-1517	-876	-955	-1518	PP	G	0.00	0.00	500.00
3212	-1518	-955	-1034	-1519	PP	G	0.00	0.00	500.00
3212	-1519	-1034	-1079	-1520	PP	G	0.00	0.00	500.00

Risultati del calcolo

Parametri di calcolo fatte di struttura q=1.5

La modellazione della struttura e la rielaborazione dei risultati del calcolo sono stati effettuati con: ModeSt ver. 8.11, prodotto da Tecnisoft s.a.s. - Prato

La struttura è stata calcolata utilizzando come solutore agli elementi finiti: SAP2000 ver. 10.0, prodotto da Computers & Structures Inc. - Berkeley, CA

Tipo di normativa: stati limite D.M. 08

Tipo di calcolo: analisi sismica dinamica

Vincoli esterni: Considera sempre vincoli assegnati in modellazione

Schematizzazione piani rigidi: metodo Master-Slave

Modalità di recupero masse secondarie: trasferire all'impalcato più vicino con modifica XY baricentro

Generazione combinazioni

- Lineari: si
- Valuta spostamenti e non sollecitazioni: no
- Buckling: no

Opzioni di calcolo

- Sono state considerate infinitamente rigide le zone di connessione fra travi, pilastri ed elementi bidimensionali con una riduzione del 20%
- Calcolo con offset rigidi dai nodi: no
- Uniformare i carichi variabili: no
- Massimizzare i carichi variabili: no
- Minimo carico da considerare: 0.00 <daN/m>
- Recupero carichi zone rigide: taglio e momento flettente

Relazione di calcolo

- Modalità di combinazione momento torcente: disaccoppiare le azioni

Opzioni del solutore

Dati struttura

- Zona sismica: zona 2
- Edificio esistente: No
- Tipo di opera: Opera ordinaria
- Vita nominale V_N : 50.00
- Classe d'uso: Classe III
- SL Esercizio: SLO no, SLD no
- SL Ultimi: SLV si, SLC no
- Classe di duttilità: Classe B
- Quota di riferimento: 0.00 <m>
- Altezza della struttura: 11.60 <m>
- Numero piani edificio: 3
- Coefficiente θ : 0.00
- Edificio regolare in altezza: no
- Edificio regolare in pianta: no
- Forze orizzontali convenzionali per stati limite non sismici: 1.00%
- Genera stati limite per verifiche di resistenza al fuoco: no

Dati di piano

Simbologia

Imp. = Numero dell'impalcato
Lx = Dimensione del piano in dir. X
Ly = Dimensione del piano in dir. Y
Ex = Eccentricità in dir. X
Ey = Eccentricità in dir. Y
Ea = Eccentricità complessiva

Imp.	Lx <m>	Ly <m>	Ex <m>	Ey <m>	Ea <m>
1	21.80	17.13	1.09	0.86	1.39
2	21.80	17.13	1.09	0.86	1.39
3	21.80	17.13	1.09	0.86	1.39

Dati di calcolo

- Tipologia edificio: c.a. o prefabbricato a telaio a più piani e più campate
Coeff. C_1 : 0.075
Periodo T_1 : 0.47142
Coeff. λ SLV: 1.00
Rapporto di sovraresistenza (α_u/α_1): 1.15
Valore di riferimento del fattore di struttura (q_0): 3.45
Fattore riduttivo (K_u): 1.00
Fattore riduttivo regolarità in altezza (KR): 0.80
Fattore di struttura (q): 1.50

- Fattore di struttura per sisma verticale (q_v): 1.50
- Modalità di calcolo modi di vibrare: Autovalori
- Numero modi: 9
- Modi da considerare: Tali da movimentare una percentuale di massa pari a 85.00%
- Trascura modi con massa movimentata minore di: no
- Smorzamento spettro: 5.00%

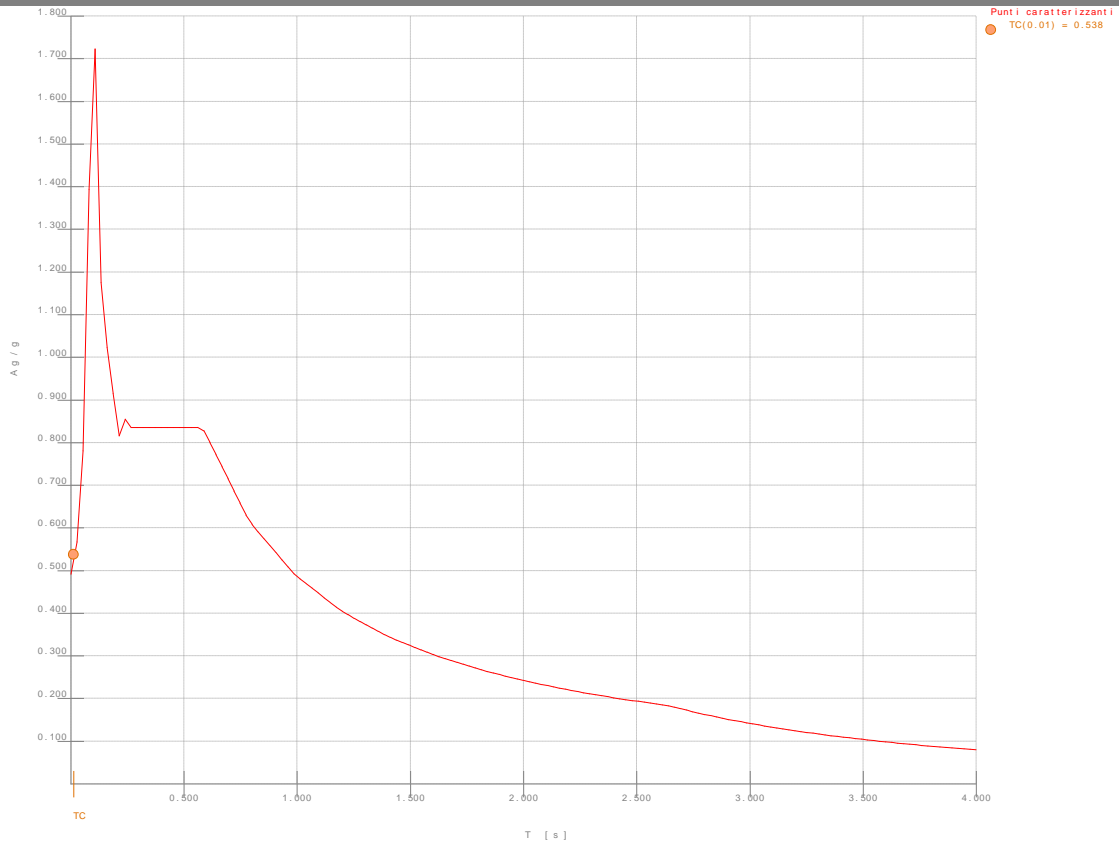


Figura numero 1: Spettro SLV

- Angolo di ingresso del sisma: 0.00 <grad>

Condizioni di carico elementari

Simbologia

- CCE = Numero della condizione di carico elementare
- Comm. = Commento
- Mx = Moltiplicatore della massa in dir. X
- My = Moltiplicatore della massa in dir. Y
- Mz = Moltiplicatore della massa in dir. Z
- Jpx = Moltiplicatore del momento d'inerzia intorno all'asse X
- Jpy = Moltiplicatore del momento d'inerzia intorno all'asse Y
- Jpz = Moltiplicatore del momento d'inerzia intorno all'asse Z
- Tipo CCE = Tipo di CCE per calcolo agli stati limite
- Sicurezza = Contributo alla sicurezza
 - F = a favore
 - S = a sfavore
 - A = ambigua
- Variabilità = Tipo di variabilità
 - B = di base
 - I = indipendente
 - A = ambigua

CCE	Comm.	Mx	My	Mz	Jpx	Jpy	Jpz	Tipo CCE	Sicurezza	Variabilità
1	Peso Proprio	1.00	1.00	0.00	0.00	0.00	1.00	1	S	--
2	Accidentale scuole	1.00	1.00	0.00	0.00	0.00	1.00	5	S	B
3	Accidentale neve	1.00	1.00	0.00	0.00	0.00	1.00	11	S	B
4	Tamponamenti	1.00	1.00	0.00	0.00	0.00	1.00	2	S	--
5	Permanente strutturale	1.00	1.00	0.00	0.00	0.00	1.00	1	S	--
6	Permanente non strutturale	1.00	1.00	0.00	0.00	0.00	1.00	2	S	--

Elenco tipi cce definiti

Simbologia

- Tipo CCE = Tipo condizione di carico elementare
- Comm. = Commento
- Tipo = Tipologia
 - G = Permanente
 - Q = Variabile
 - I = Da ignorare
 - A = Azione eccezionale
 - P = Precompressione
- Durata = Durata del carico

Relazione di calcolo

N = Non definita
 P = Permanente
 L = Lunga
 M = Media
 B = Breve
 I = Istantanea

γ min. = Coeff. γ min.
 γ max = Coeff. γ max
 Ψ_0 = Coeff. Ψ_0
 Ψ_1 = Coeff. Ψ_1
 Ψ_2 = Coeff. Ψ_2
 $\Psi_{0,s}$ = Coeff. Ψ_0 sismico (D.M. 96)

Tipo CCE	Comm.	Tipo	Durata	γ min.	γ max	Ψ_0	Ψ_1	Ψ_2	$\Psi_{0,s}$
1	D.M. 08 Permanenti strutturali	G	N	1.00	1.30				
5	D.M. 08 Variabili Categoria C Ambienti suscettibili di affollamento	Q	N	0.00	1.50	0.70	0.70	0.60	0.00
11	D.M. 08 Variabili Neve (a quota <= 1000 m s.l.m.)	Q	N	0.00	1.50	0.50	0.20	0.00	0.00
2	D.M. 08 Permanenti non strutturali	G	N	0.00	1.50				

Ambienti di carico

Simbologia

N Numero
 Comm. Commento
 1 Peso Proprio
 2 Accidentale scuole
 3 Accidentale neve
 4 Tamponamenti
 5 Permanente strutturale
 6 Permanente non strutturale
 F azioni orizzontali convenzionali
 SLU Stato limite ultimo
 SLR Stato limite per combinazioni rare
 SLF Stato limite per combinazioni frequenti
 SLQ\D Stato limite per combinazioni quasi permanenti o di danno

N	Comm.	1	2	3	4	5	6	S	SLU	SLR	SLF	SLQ
1	Calcolo sismico	si	si	si	si	si	si	si	si	no	no	no
2	Calcolo statico	si	si	si	si	si	no	si	si	si	si	si

Elenco combinazioni di carico simboliche

Simbologia

CC = Numero della combinazione delle condizioni di carico elementari
 Comm. = Commento
 TCC = Tipo di combinazione di carico
 SLU = Stato limite ultimo
 SLU S = Stato limite ultimo (azione sismica)
 SLE R = Stato limite d'esercizio, combinazione rara
 SLE F = Stato limite d'esercizio, combinazione frequente
 SLE Q = Stato limite d'esercizio, combinazione quasi permanente
 SLD = Stato limite di danno
 SLV = Stato limite di salvaguardia della vita
 SLC = Stato limite di prevenzione del collasso
 SLO = Stato limite di operatività
 SLU I = Stato limite di resistenza al fuoco

CC	Comm.	TCC	1	2	3	4	5	6	S
1	Amb. 1 (Sisma)	SLU S	1	Ψ_2	Ψ_2	1	1	1	1
2	Amb. 2 (SLU)	SLU	γ max	γ max	γ max	γ max	γ max	γ max	-----
3	Amb. 2 (SLE R)	SLE R	1	1	1	1	1	1	-----
4	Amb. 2 (SLE F)	SLE F	1	Ψ_1	Ψ_1	1	1	1	-----
5	Amb. 2 (SLE Q)	SLE Q	1	Ψ_2	Ψ_2	1	1	1	-----

Genera le combinazioni con un solo carico di tipo variabile come di base: no

Considera sollecitazioni dinamiche con segno dei modi principali: no

Combinazioni delle cce

Simbologia

CC = Numero della combinazione delle condizioni di carico elementari
 Comm. = Commento
 TCC = Tipo di combinazione di carico
 SLU = Stato limite ultimo
 SLU S = Stato limite ultimo (azione sismica)
 SLE R = Stato limite d'esercizio, combinazione rara
 SLE F = Stato limite d'esercizio, combinazione frequente
 SLE Q = Stato limite d'esercizio, combinazione quasi permanente

Relazione di calcolo

SLD = Stato limite di danno
 SLV = Stato limite di salvaguardia della vita
 SLC = Stato limite di prevenzione del collasso
 SLO = Stato limite di operatività
 SLU I = Stato limite di resistenza al fuoco

An. = Tipo di analisi
 L = Lineare
 NL = Non lineare
 Bk = Buckling
 S = Si
 N = No

CC	Comm.	TCC	An.	Bk	1	2	3	4	5	6	Mt	±S X	±S Y
1	CC 1 - Amb. 1 (SLU S) S Mt+X+0.3Y	SLV	L	N	1.00	0.60	0.00	1.00	1.00	1.00	1.00	1.00	0.30
2	CC 2 - Amb. 1 (SLU S) S Mt+X-0.3Y	SLV	L	N	1.00	0.60	0.00	1.00	1.00	1.00	1.00	1.00	-0.30
3	CC 3 - Amb. 1 (SLU S) S Mt+0.3X+Y	SLV	L	N	1.00	0.60	0.00	1.00	1.00	1.00	1.00	0.30	1.00
4	CC 4 - Amb. 1 (SLU S) S Mt-0.3X+Y	SLV	L	N	1.00	0.60	0.00	1.00	1.00	1.00	1.00	-0.30	1.00
5	CC 5 - Amb. 1 (SLU S) S -Mt+X+0.3Y	SLV	L	N	1.00	0.60	0.00	1.00	1.00	1.00	-1.00	1.00	0.30
6	CC 6 - Amb. 1 (SLU S) S -Mt+X-0.3Y	SLV	L	N	1.00	0.60	0.00	1.00	1.00	1.00	-1.00	1.00	-0.30
7	CC 7 - Amb. 1 (SLU S) S -Mt+0.3X+Y	SLV	L	N	1.00	0.60	0.00	1.00	1.00	1.00	-1.00	0.30	1.00
8	CC 8 - Amb. 1 (SLU S) S -Mt-0.3X+Y	SLV	L	N	1.00	0.60	0.00	1.00	1.00	1.00	-1.00	-0.30	1.00
9	CC 9 - Amb. 2 (SLU)	SLU	L	N	1.30	1.50	1.50	1.30	1.50	1.50	0.00	0.00	0.00
10	CC 10 - Amb. 2 (SLE R)	SLE R	L	N	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00
11	CC 11 - Amb. 2 (SLE F)	SLE F	L	N	1.00	0.70	0.20	1.00	1.00	1.00	0.00	0.00	0.00
12	CC 12 - Amb. 2 (SLE Q)	SLE Q	L	N	1.00	0.60	0.00	1.00	1.00	1.00	0.00	0.00	0.00

Elenco baricentri e masse impalcanti

Simbologia

Imp. = Numero dell'impalcato
 X = Coordinata X
 Y = Coordinata Y
 Z = Coordinata Z
 Mo = Massa orizzontale
 Jpz = Momento d'inerzia polare intorno all'asse Z

Imp.	X <m>	Y <m>	Z <m>	Mo <kg>	Jpz <kg*m ² >
1	9.32	-10.22	1.80	359752.00	23905000.00
3	9.52	-10.10	8.60	339659.00	24107800.00

Totali masse impalcanti

Mo <kg>	Jpz <kg*m ² >
1094270.00	75250400.00

Elenco forze sismiche di impalcato allo SLV

Simbologia

Imp. = Numero dell'impalcato
 cx = Coeff. c in dir. X
 cy = Coeff. c in dir. Y
 Mz = Momento intorno all'asse Z

Imp.	cx	cy	Mz <daNm>
1	0.12	0.12	95499.10
2	0.37	0.37	302808.00
3	0.52	0.52	430792.00

Totali forze sismiche

Mz <daNm>
829099.00

Elenco modi di vibrare, masse partecipanti e coefficienti di partecipazione

Simbologia

Modo = Numero del modo di vibrare
 C = * indica che il modo è stato considerato
 Per. = Periodo
 Diff. = Minima differenza percentuale dagli altri periodi
 Φ_x = Coefficiente di partecipazione in dir. X
 Φ_y = Coefficiente di partecipazione in dir. Y
 Φ_z = Coefficiente di partecipazione in dir. Z
 %M_x = Percentuale massa partecipante in dir. X
 %M_y = Percentuale massa partecipante in dir. Y
 %M_z = Percentuale massa partecipante in dir. Z

Relazione di calcolo

%Jpz = Percentuale momento d'inerzia polare partecipante intorno all'asse Z

Modo	C	Per.	Diff.	Φ_x	Φ_y	Φ_z	%Mx	%My	%Mz	%Jpz
1*	*	0.29	8.05	-275.23	-81.06	0.00	69.23	6.00	0.00	0.26
2*	*	0.27	8.05	82.91	-273.12	0.00	6.28	68.17	0.00	2.51
3*	*	0.17	56.72	7.18	54.38	0.00	0.05	2.70	0.00	74.11
4*	*	0.04	36.57	126.11	10.12	0.00	14.53	0.09	0.00	0.90
5*	*	0.03	34.13	-5.98	127.14	0.00	0.03	14.77	0.00	0.23
6*	*	0.02	6.30	-102.12	3.64	0.00	9.53	0.01	0.00	0.02
7*	*	0.02	6.30	10.79	-15.22	0.00	0.11	0.21	0.00	14.78
8*	*	0.02	18.46	-1.13	-93.47	0.00	0.00	7.98	0.00	0.12
9		0.01	41.07	-16.14	8.33	0.00	0.24	0.06	0.00	7.02
Tot.cons.							99.76	99.95	0.00	92.93

Elenco coefficienti di risposta

Simbologia

Modo = Numero del modo di vibrare

Sx = Coefficiente di risposta (moltiplicato per 100) in dir. X

Sy = Coefficiente di risposta (moltiplicato per 100) in dir. Y

Stato limite di salvaguardia della vita

Modo	Sx	Sy
1	55.71	55.71
2	55.71	55.71
3	63.57	63.57
4	47.43	47.43
5	39.58	39.58
6	36.99	36.99
7	36.50	36.50
8	34.87	34.87
9	35.74	35.74

Parametri di calcolo fattore di struttura q=3

La modellazione della struttura e la rielaborazione dei risultati del calcolo sono stati effettuati con: ModeSt ver. 8.11, prodotto da Tecnisoft s.a.s. - Prato

La struttura è stata calcolata utilizzando come solutore agli elementi finiti: SAP2000 ver. 10.0, prodotto da Computers & Structures Inc. - Berkeley, CA

Tipo di normativa: stati limite D.M. 08

Tipo di calcolo: analisi sismica dinamica

Vincoli esterni: Considera sempre vincoli assegnati in modellazione

Schematizzazione piani rigidi: metodo Master-Slave

Modalità di recupero masse secondarie: trasferire all'impalcato più vicino con modifica XY baricentro

Generazione combinazioni

- Lineari: si
- Valuta spostamenti e non sollecitazioni: no
- Buckling: no

Opzioni di calcolo

- Sono state considerate infinitamente rigide le zone di connessione fra travi, pilastri ed elementi bidimensionali con una riduzione del 20%
- Calcolo con offset rigidi dai nodi: no
- Uniformare i carichi variabili: no
- Massimizzare i carichi variabili: no
- Minimo carico da considerare: 0.00 <daN/m>
- Recupero carichi zone rigide: taglio e momento flettente
- Modalità di combinazione momento torcente: disaccoppiare le azioni

Opzioni del solutore

Dati struttura

- Zona sismica: zona 2
- Edificio esistente: No
- Tipo di opera: Opera ordinaria
- Vita nominale V_N : 50.00
- Classe d'uso: Classe III
- SL Esercizio: SLO no, SLD no
- SL Ultimi: SLV si, SLC no
- Classe di duttilità: Classe B
- Quota di riferimento: 0.00 <m>
- Altezza della struttura: 11.60 <m>
- Numero piani edificio: 3

Relazione di calcolo

- Coefficiente θ : 0.00
- Edificio regolare in altezza: no
- Edificio regolare in pianta: no
- Forze orizzontali convenzionali per stati limite non sismici: 1.00%
- Genera stati limite per verifiche di resistenza al fuoco: no

Dati di piano

Simbologia

- Imp. = Numero dell'impalcato
- Lx = Dimensione del piano in dir. X
- Ly = Dimensione del piano in dir. Y
- Ex = Eccentricità in dir. X
- Ey = Eccentricità in dir. Y
- Ea = Eccentricità complessiva

Imp.	Lx <m>	Ly <m>	Ex <m>	Ey <m>	Ea <m>
1	21.80	17.13	1.09	0.86	1.39
2	21.80	17.13	1.09	0.86	1.39
3	21.80	17.13	1.09	0.86	1.39

Dati di calcolo

- Tipologia edificio: c.a. o prefabbricato a telaio a più piani e più campate
- Coeff. C_1 : 0.075
- Periodo T_1 : 0.47142
- Coeff. λ SLV: 1.00
- Rapporto di sovrarresistenza (α_0/α_1): 1.15
- Valore di riferimento del fattore di struttura (q_0): 3.45
- Fattore riduttivo (K_v): 1.00
- Fattore riduttivo regolarità in altezza (KR): 0.80
- Fattore di struttura (q): 3.00

- Fattore di struttura per sisma verticale (q_v): 1.50
- Modalità di calcolo modi di vibrare: Autovalori
- Numero modi: 9
- Modi da considerare: Tali da movimentare una percentuale di massa pari a 85.00%
- Trascura modi con massa movimentata minore di: no
- Smorzamento spettro: 5.00%

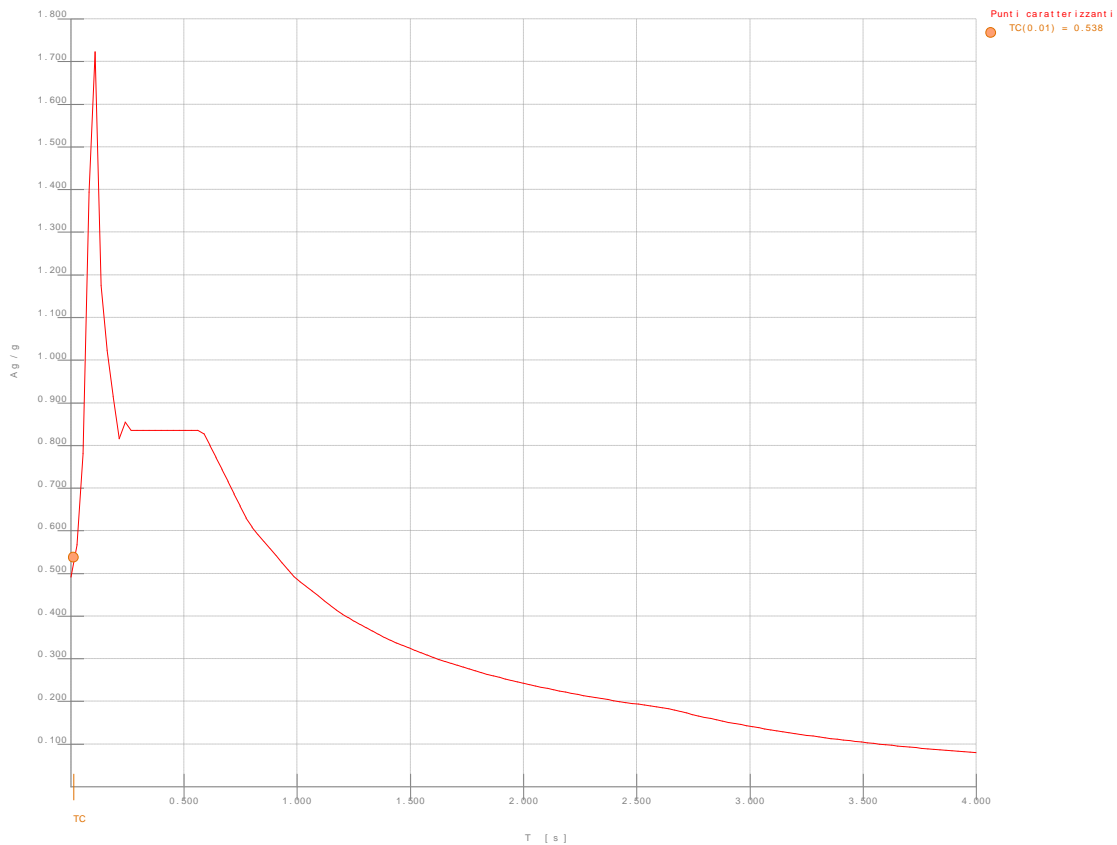


Figura numero 1: Spettro SLV

Relazione di calcolo

- Angolo di ingresso del sisma: 0.00 <grad>

Condizioni di carico elementari

Simbologia

CCE = Numero della condizione di carico elementare
 Comm. = Commento
 Mx = Moltiplicatore della massa in dir. X
 My = Moltiplicatore della massa in dir. Y
 Mz = Moltiplicatore della massa in dir. Z
 Jpx = Moltiplicatore del momento d'inerzia intorno all'asse X
 Jpy = Moltiplicatore del momento d'inerzia intorno all'asse Y
 Jpz = Moltiplicatore del momento d'inerzia intorno all'asse Z
 Tipo CCE = Tipo di CCE per calcolo agli stati limite
 Sicurezza = Contributo alla sicurezza
 F = a favore
 S = a sfavore
 A = ambigua
 Variabilità = Tipo di variabilità
 B = di base
 I = indipendente
 A = ambigua

CCE	Comm.	Mx	My	Mz	Jpx	Jpy	Jpz	Tipo CCE	Sicurezza	Variabilità
1	Peso Proprio	1.00	1.00	0.00	0.00	0.00	1.00	1	S	--
2	Accidentale scuole	1.00	1.00	0.00	0.00	0.00	1.00	5	S	B
3	Accidentale neve	1.00	1.00	0.00	0.00	0.00	1.00	11	S	B
4	Tamponamenti	1.00	1.00	0.00	0.00	0.00	1.00	2	S	--
5	Permanente strutturale	1.00	1.00	0.00	0.00	0.00	1.00	1	S	--
6	Permanente non strutturale	1.00	1.00	0.00	0.00	0.00	1.00	2	S	--

Elenco tipi cce definiti

Simbologia

Tipo CCE = Tipo condizione di carico elementare
 Comm. = Commento
 Tipo = Tipologia
 G = Permanente
 Q = Variabile
 I = Da ignorare
 A = Azione eccezionale
 P = Precompressione
 Durata = Durata del carico
 N = Non definita
 P = Permanente
 L = Lunga
 M = Media
 B = Breve
 I = Istantanea
 γ min. = Coeff. γ_{min} .
 γ max = Coeff. γ_{max}
 Ψ_0 = Coeff. Ψ_0
 Ψ_1 = Coeff. Ψ_1
 Ψ_2 = Coeff. Ψ_2
 $\Psi_{0,s}$ = Coeff. Ψ_0 sismico (D.M. 96)

Tipo CCE	Comm.	Tipo	Durata	γ min.	γ max	Ψ_0	Ψ_1	Ψ_2	$\Psi_{0,s}$
1	D.M. 08 Permanenti strutturali	G	N	1.00	1.30				
5	D.M. 08 Variabili Categoria C Ambienti suscettibili di affollamento	Q	N	0.00	1.50	0.70	0.70	0.60	0.00
11	D.M. 08 Variabili Neve (a quota <= 1000 m s.l.m.)	Q	N	0.00	1.50	0.50	0.20	0.00	0.00
2	D.M. 08 Permanenti non strutturali	G	N	0.00	1.50				

Ambienti di carico

Simbologia

N Numero
 Comm. Commento
 1 Peso Proprio
 2 Accidentale scuole
 3 Accidentale neve
 4 Tamponamenti
 5 Permanente strutturale
 6 Permanente non strutturale
 F azioni orizzontali convenzionali
 SLU Stato limite ultimo
 SLR Stato limite per combinazioni rare
 SLF Stato limite per combinazioni frequenti
 SLQ\D Stato limite per combinazioni quasi permanenti o di danno

N	Comm.	1	2	3	4	5	6	S	SLU	SLR	SLF	SLQ
---	-------	---	---	---	---	---	---	---	-----	-----	-----	-----

Relazione di calcolo

1	Calcolo sismico	si	si	si	si	si	si	si	no	no	no
2	Calcolo statico	si	si	si	si	si	no	si	si	si	si

Elenco combinazioni di carico simboliche

Simbologia

- CC = Numero della combinazione delle condizioni di carico elementari
- Comm. = Commento
- TCC = Tipo di combinazione di carico
- SLU = Stato limite ultimo
- SLU S = Stato limite ultimo (azione sismica)
- SLE R = Stato limite d'esercizio, combinazione rara
- SLE F = Stato limite d'esercizio, combinazione frequente
- SLE Q = Stato limite d'esercizio, combinazione quasi permanente
- SLD = Stato limite di danno
- SLV = Stato limite di salvaguardia della vita
- SLC = Stato limite di prevenzione del collasso
- SLO = Stato limite di operatività
- SLU I = Stato limite di resistenza al fuoco

CC	Comm.	TCC	1	2	3	4	5	6	S
1	Amb. 1 (Sisma)	SLU S	1	Ψ_2	Ψ_2	1	1	1	1
2	Amb. 2 (SLU)	SLU	γ max	γ max	γ max	γ max	γ max	γ max	-----
3	Amb. 2 (SLE R)	SLE R	1	1	1	1	1	1	-----
4	Amb. 2 (SLE F)	SLE F	1	Ψ_1	Ψ_1	1	1	1	-----
5	Amb. 2 (SLE Q)	SLE Q	1	Ψ_2	Ψ_2	1	1	1	-----

Genera le combinazioni con un solo carico di tipo variabile come di base: no

Considera sollecitazioni dinamiche con segno dei modi principali: no

Combinazioni delle cce

Simbologia

- CC = Numero della combinazione delle condizioni di carico elementari
- Comm. = Commento
- TCC = Tipo di combinazione di carico
- SLU = Stato limite ultimo
- SLU S = Stato limite ultimo (azione sismica)
- SLE R = Stato limite d'esercizio, combinazione rara
- SLE F = Stato limite d'esercizio, combinazione frequente
- SLE Q = Stato limite d'esercizio, combinazione quasi permanente
- SLD = Stato limite di danno
- SLV = Stato limite di salvaguardia della vita
- SLC = Stato limite di prevenzione del collasso
- SLO = Stato limite di operatività
- SLU I = Stato limite di resistenza al fuoco
- An. = Tipo di analisi
- L = Lineare
- NL = Non lineare
- Bk = Buckling
- S = Si
- N = No

CC	Comm.	TCC	An.	Bk	1	2	3	4	5	6	Mt	±S X	±S Y
1	CC 1 - Amb. 1 (SLU S) S Mt+X+0.3Y	SLV	L	N	1.00	0.60	0.00	1.00	1.00	1.00	1.00	1.00	0.30
2	CC 2 - Amb. 1 (SLU S) S Mt+X-0.3Y	SLV	L	N	1.00	0.60	0.00	1.00	1.00	1.00	1.00	1.00	-0.30
3	CC 3 - Amb. 1 (SLU S) S Mt+0.3X+Y	SLV	L	N	1.00	0.60	0.00	1.00	1.00	1.00	1.00	0.30	1.00
4	CC 4 - Amb. 1 (SLU S) S Mt-0.3X+Y	SLV	L	N	1.00	0.60	0.00	1.00	1.00	1.00	1.00	-0.30	1.00
5	CC 5 - Amb. 1 (SLU S) S -Mt+X+0.3Y	SLV	L	N	1.00	0.60	0.00	1.00	1.00	1.00	-1.00	1.00	0.30
6	CC 6 - Amb. 1 (SLU S) S -Mt+X-0.3Y	SLV	L	N	1.00	0.60	0.00	1.00	1.00	1.00	-1.00	1.00	-0.30
7	CC 7 - Amb. 1 (SLU S) S -Mt+0.3X+Y	SLV	L	N	1.00	0.60	0.00	1.00	1.00	1.00	-1.00	0.30	1.00
8	CC 8 - Amb. 1 (SLU S) S -Mt-0.3X+Y	SLV	L	N	1.00	0.60	0.00	1.00	1.00	1.00	-1.00	-0.30	1.00
9	CC 9 - Amb. 2 (SLU)	SLU	L	N	1.30	1.50	1.50	1.50	1.30	1.50	0.00	0.00	0.00
10	CC 10 - Amb. 2 (SLE R)	SLE R	L	N	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00
11	CC 11 - Amb. 2 (SLE F)	SLE F	L	N	1.00	0.70	0.20	1.00	1.00	1.00	0.00	0.00	0.00
12	CC 12 - Amb. 2 (SLE Q)	SLE Q	L	N	1.00	0.60	0.00	1.00	1.00	1.00	0.00	0.00	0.00

Elenco baricentri e masse impalcato

Simbologia

- Imp. = Numero dell'impalcato
- X = Coordinata X
- Y = Coordinata Y
- Z = Coordinata Z
- Mo = Massa orizzontale
- Jpz = Momento d'inerzia polare intorno all'asse Z

Imp.	X	Y	Z	Mo	Jpz	Imp.	X	Y	Z	Mo	Jpz
------	---	---	---	----	-----	------	---	---	---	----	-----

Relazione di calcolo

	<m>	<m>	<m>	<kg>	<kg*mq>		<m>	<m>	<m>	<kg>	<kg*mq>
1	9.32	-10.22	1.80	359752.00	23905000.00	2	9.39	-10.21	5.20	394856.00	27237600.00
3	9.52	-10.10	8.60	339659.00	24107800.00						

Totali masse impalcate

Mo <kg>	Jpz <kg*mq>
1094270.00	75250400.00

Elenco forze sismiche di impalcato allo SLV

Simbologia

Imp. = Numero dell'impalcato
 cx = Coeff. c in dir. X
 cy = Coeff. c in dir. Y
 Mz = Momento intorno all'asse Z

Imp.	cx	cy	Mz <daNm>
1	0.12	0.12	47749.50
2	0.37	0.37	151404.00
3	0.52	0.52	215396.00

Totali forze sismiche

Mz <daNm>
414550.00

Elenco modi di vibrare, masse partecipanti e coefficienti di partecipazione

Simbologia

Modo = Numero del modo di vibrare
 C = * indica che il modo è stato considerato
 Per. = Periodo
 Diff. = Minima differenza percentuale dagli altri periodi
 Φ_x = Coefficiente di partecipazione in dir. X
 Φ_y = Coefficiente di partecipazione in dir. Y
 Φ_z = Coefficiente di partecipazione in dir. Z
 %Mx = Percentuale massa partecipante in dir. X
 %My = Percentuale massa partecipante in dir. Y
 %Mz = Percentuale massa partecipante in dir. Z
 %Jpz = Percentuale momento d'inertzia polare partecipante intorno all'asse Z

Modo	C	Per.	Diff.	Φ_x	Φ_y	Φ_z	%Mx	%My	%Mz	%Jpz
1*	0.29	8.05	-275.23	-81.06	0.00	69.23	6.00	0.00	0.26	
2*	0.27	8.05	82.91	-273.12	0.00	6.28	68.17	0.00	2.51	
3*	0.17	56.72	-7.18	-54.38	0.00	0.05	2.70	0.00	74.11	
4*	0.04	36.57	126.11	10.12	0.00	14.53	0.09	0.00	0.90	
5*	0.03	34.13	5.98	-127.14	0.00	0.03	14.77	0.00	0.23	
6*	0.02	6.30	-102.12	3.64	0.00	9.53	0.01	0.00	0.02	
7*	0.02	6.30	10.79	-15.22	0.00	0.11	0.21	0.00	14.78	
8*	0.02	18.46	-1.13	-93.47	0.00	0.00	7.98	0.00	0.12	
9	0.01	41.07	16.14	-8.33	0.00	0.24	0.06	0.00	7.02	
Tot.cons.						99.76	99.95	0.00	92.93	

Elenco coefficienti di risposta

Simbologia

Modo = Numero del modo di vibrare
 Sx = Coefficiente di risposta (moltiplicato per 100) in dir. X
 Sy = Coefficiente di risposta (moltiplicato per 100) in dir. Y

Stato limite di salvaguardia della vita

Modo	Sx	Sy
1	27.86	27.86
2	27.86	27.86
3	31.78	31.78
4	23.72	23.72
5	19.79	19.79
6	18.50	18.50
7	18.25	18.25
8	17.43	17.43
9	17.87	17.87