Capitolo XII

TABELLE DIVERSE

DIAMETRI DA ASSEGNARE AGLI ALBERI PER TRASMISSIONE

Se chiamiamo:

d il diametro degli alberi espresso in m/m;
N il numero dei Cav. o potenza da trasmettere;
n il numero dei giri al minuto primo dell'albero

avremo:

$$d = \sqrt[4]{\frac{N}{n}}$$

In questa formula, Ks a torsione è stato tenuto eguale a kg 1,2 per mm², e l'angolo di torsione < di ¼ di grado.

Gli alberi subiscono delle deformazioni quando il loro numero di giri sorpassa un certo *numero critico di giri* in relazione al loro diametro ed alla loro distanza fra i supporti.

Adottato un coefficiente di sicurezza eguale a 2, la relazione che lega questi tre elementi è data da:

$$l = 1692 \sqrt{\frac{d}{n}}$$

in cui: l è la distanza fra i supporti in cm;
n il numero dei giri al minuto primo;
d il diametro dell'albero pure in cm.

La seguente Tabella 28 a pag. 206, dà il diametro ed il numero di giri da assegnare agli alberi di trasmissione normali secondo la potenza da trasmettere. Per alberi in acciaio i valori indicati in tabella vanno moltiplicati per 0,85.

TABELLA 28

$$d = 120 \sqrt[4]{\frac{N}{n}}$$

N. dei cavalli da trasmettere

N. dei giri al minuto primo n	1	2	3	4	5	6	7	8	9	10	12,5	15	17,5	20	25	30	35	40	45	50	60	70	80	90	100
40	50	60	65	70	75	75	80	85	85	85	90	95	100	105	110	115	120	120	125	130	135	140	145	150	155
50	50	60	65	68	75	75	80	80	80	85	85	90	95	100	105	110	115	115	120	125	130	140	140	145	150
60	45	55	60	65	65	70	75	75	75	80	85	85	90	95	100	105	105	110	115	115	120	125	130	135	140
70	45	55	60	65	65	70	75	75	75	80	85	85	90	90	95	100	105	110	110	115	115	125	125	130	135
80	45	50	55	60	60	65	70	70	70	75	80	80	85	85	90	95	100	105	105	110	115	120	120	125	130
90	45	50	55	60	60	65	70	70	70	75	80	80	85	85	90	95	100	105	105	115	115	115	120	125	125
100	40	50	50	55	60	60	65	65	70	70	75	75	80	85	85	90	95	100	100	105	110	110	115	120	120
110	40	45	50	55	60	60	65	65	70	70	75	75	80	85	85	90	95	100	100	105	110	110	115	120	120
120	40	45	50	55	55	60	60	65	65	65	70	75	80	80	85	85	90	95	95	100	105	105	110	115	115
130	38	45	50	55	55	60	60	65	65	65	70	75	80	80	85	85	90	95	95	95	105	105	110	115	115
140	35	45	50	50	55	55	60	60	65	65	70	70	75	75	80	85	85	90	95	95	100	105	105	115	115
150	35	45	50	50	55	55	60	60	65	65	70	70	75	75	80	85	85	90	95	95	100	105	105	115	115
175	35	45	45	50	50	50	55	60	65	65	65	65	70	75	80	80	85	90	90	90	95	100	105	105	110
200	35	40	45	50	50	50	55	55	60	60	65	65	70	70	75	75	80	85	85	85	90	95	100	100	105
225	35	40	45	45	50	50	55	55	55	55	60	65	70	70	70	75	80	80	85	85	90	90	95	100	100
250	35	40	40	45	50	50	50	55	55	55	60	60	65	65	70	70	75	80	80	85	85	90	95	95	100
275	30	35	40	45	45	50	50	50	55	55	60	60	65	65	70	70	75	75	80	80	85	90	90	95	95
300	30	35	40	45	45	50	50	50	50	55	60	60	65	65	65	70	75	75	75	80	85	85	90	90	95

TABELLA 29

Tabella dei rapporti ottenibili con ingranaggi a catena dei tipi comunemente impiegati

N. denti	15	16	17	18	19	20	21	22	23	24	25	30	38	40	55	57	76	95	114	150
15	1,—	1,07	1,13	1,20	1,27	1,33	1,40	1,47	1,53	1,60	1,70	2,—	2,53	2,67	3,67	3,80	5,07	6;33	7,60	10
16		1,—	1,06	1,13	1,19	1,25	1,31	1,38	1,44	1,50	1,56	1,88	2,38	2,50	3,44	3,56	4,75	5,49	7,13	9,40
17			1,—	1,06	1,12	1,17	1,23	1,29	1,35	1,41	1,47	1,76	2,23	2,35	3,24	3,36	4,48	5,59	6,70	8,82
18				1,—	1,05	1,11	1,17	1,22	1,27	1,33	1,39	1,67	2,11	2,22	3,06	3,16	4,22	5,28	6,33	8,33
19					1,—	1,05	1,11	1,15	1,21	1,26	1,32	1,58	2,—	2,11	2,89	3,—	4,—	5,—	6,—	7,99
20						1,—	1,05	1,10	1,15	1,20	1,25	1,50	1,90	2,—	2,75	2,85	3,80	4,75	5,70	7,50
21							1,—	1,04	1,09	1,14	1,19	1,43	1,80	1,90	2,62	2,71	3,62	4,52	5,43	7,14
22								1,—	1,04	1,09	1,13	1,36	1,73	1,82	2,50	2,59	3,46	4,32	5,18	6,81
23									1,—	1,04	1,08	1,30	1,65	1,74	2,39	2,48	3,30	4,13	4,96	6,52
24										1,—	1,04	1,25	1,58	1,67	2,29	2,38	3,17	3,96	4,75	6,25
25											1,—	1,20	1,52	1,60	2,20	2,28	3,04	3,80	4,56	6,—
30												1,—	1,26	1,33	1,83	1,90	2,53	3,17	3,80	5,—
38													1,—	1,05	1,45	1,50	2,00	2,50	3,00	3,99
40														1,—	1,38	1,43	1,90	2,38	2,85	3,50
55															1,—	1,04	1,38	1,73	2,07	2,72
57																1,—	1,33	1,67	2,00	2,84
76																	1,—	1,25	1,50	1,91
95																		1,—	1,20	1,98
114																			1,—	1,32
150																				1,—

TABELLA 30

Potenze, Radici, Logaritmi, Circonferenze, Aree di cerchi

n	n^2	n^3	$\sqrt{n}$	$\sqrt[3]{n}$	$\ln n$	$\frac{1000}{n}$	πn	$\frac{\pi n^2}{4}$	n
1	1	1	1,0000	1,0000	0,00000	1000,000	3,142	0,7854	1
2	4	8	1,4142	1,2599	0,69315	500,000	6,283	3,1416	2
3	9	27	1,7321	1,4422	1,09861	333,333	9,425	7,0686	3
4	16	64	2,0000	1,5874	1,38629	250,000	12,566	12,5664	4
5	25	125	2,2361	1,7100	1,60944	200,000	15,708	19,6350	5
6	36	216	2,4495	1,8171	1,79176	166,667	18,850	28,2743	6
7	49	343	2,6458	1,9129	1,94591	142,857	21,991	38,4845	7
8	64	512	2,8284	2,0000	2,07944	125,000	25,133	50,2655	8
9	81	729	3,0000	2,0801	2,19722	111,111	28,274	63,6173	9
10	100	1000	3,1623	2,1544	2,30259	100,000	31,416	78,5398	10
11	121	1331	3,3166	2,2240	2,39790	90,9091	34,558	95,0332	11
12	144	1728	3,4641	2,2894	2,48491	83,3333	37,699	113,097	12
13	169	2197	3,6056	2,3513	2,56495	76,9231	40,841	132,732	13
14	196	2744	3,7417	2,4101	2,63906	71,4286	43,982	153,938	14
15	225	3375	3,8730	2,4662	2,70805	66,6667	47,124	176,715	15
16	256	4096	4,0000	2,5198	2,77259	62,5000	50,265	201,062	16
17	289	4913	4,1231	2,5713	2,83321	58,8235	53,407	226,980	17
18	324	5832	4,2426	2,6207	2,89037	55,5556	56,549	254,469	18
19	361	6859	4,3589	2,6684	2,94444	52,6316	59,690	283,529	19
20	400	8000	4,4721	2,7144	2,99573	50,0000	62,832	314,159	20
21	441	9261	4,5826	2,7589	3,04452	47,6190	65,973	346,361	21
22	484	10648	4,6904	2,8020	3,09104	45,4545	69,115	380,133	22
23	529	12167	4,7958	2,8439	3,13549	43,4783	72,257	415,476	23
24	576	13824	4,8990	2,8845	3,17805	41,6667	75,398	452,389	24
25	625	15625	5,0000	2,9240	3,21888	40,0000	78,540	490,874	25
26	676	17576	5,0990	2,9625	3,25810	38,4615	81,681	530,929	26
27	729	19683	5,1962	3,0000	3,29584	37,0370	84,823	572,555	27
28	784	21952	5,2915	3,0366	3,33220	35,7143	87,965	615,752	28
29	841	24389	5,3852	3,0723	3,36730	34,4828	91,106	660,520	29
30	900	27000	5,4772	3,1072	3,40120	33,3333	94,248	706,858	30
31	961	29791	5,5678	3,1414	3,43399	32,2581	97,389	754,768	31
32	1024	32768	5,6569	3,1748	3,46574	31,2500	100,531	804,248	32
33	1089	35937	5,7446	3,2075	3,49651	30,3030	103,673	855,299	33
34	1156	39304	5,8310	3,2396	3,52636	29,4118	106,814	907,920	34
35	1225	42875	5,9161	3,2711	3,55535	28,5714	109,956	962,113	35
36	1296	46656	6,0000	3,3019	3,58352	27,7778	113,097	1017,88	36
37	1369	50653	6,0828	3,3322	3,61092	27,0270	116,239	1075,21	37
38	1444	54872	6,1644	3,3620	3,63759	26,3158	119,381	1134,11	38
39	1521	59319	6,2450	3,3912	3,66356	25,6410	122,522	1194,59	39
40	1600	64000	6,3246	3,4200	3,68888	25,0000	125,66	1256,64	40
41	1681	68921	6,4031	3,4482	3,71357	24,3902	128,81	1320,25	41
42	1764	74088	6,4807	3,4760	3,73767	23,8095	131,95	1385,44	42
43	1849	79507	6,5574	3,5034	3,76120	23,2558	135,09	1452,20	43
44	1936	85184	6,6332	3,5303	3,78419	22,7273	138,23	1520,53	44
45	2025	91125	6,7082	3,5569	3,80666	22,2222	141,37	1590,43	45
46	2116	97336	6,7823	3,5830	3,82864	21,7391	144,51	1661,90	46
47	2209	103823	6,8557	3,6088	3,85015	21,2766	147,65	1734,94	47
48	2304	110592	6,9282	3,6342	3,87120	20,8333	150,80	1809,56	48
49	2401	117649	7,0000	3,6593	3,89182	20‘4082	153,94	1885,74	49
50	2500	125000	7,0711	3,6840	3,91202	20,0000	157,08	1963,50	50

seguito TABELLA 30

Potenze, Radici, Logaritmi, Circonferenze, Aree di cerchi

n	n^2	n^3	$\sqrt{n}$	$\sqrt[3]{n}$	ln n	$\frac{1000}{n}$	$\pi\, n$	$\frac{\pi\, n^2}{4}$	n
51	2601	132651	7,1414	3,7084	3,93183	19,6078	160,22	2042,82	51
52	2704	140608	7,2111	3,7325	3,95124	19,2308	163,36	2123,72	52
53	2809	148877	7,2801	3,7563	3,97029	18,8679	166,50	2206,18	53
54	2916	157464	7,3485	3,7798	3,98898	18,5185	169,65	2290,22	54
55	3025	166375	7,4162	3,8030	4,00733	18,1818	172,79	2375,83	55
56	3136	175616	7,4833	3,8259	4,02535	17,8571	175,93	2463,01	56
57	3249	185193	7,5498	3,8485	4,04305	17,5439	179,07	2551,76	57
58	3364	195112	7,6158	3,8709	4,06044	17,2414	182,21	2642,08	58
59	3481	205379	7,6811	3,8930	4,07754	16,9492	185,35	2733,97	59
60	3600	216000	7,7460	3,9149	4,09434	16,6667	188,50	2827,43	60
61	3721	226981	7,8102	3,9365	4,11087	16,3934	191,64	2922,47	61
62	3844	238328	7,8740	3,9579	4,12713	16,1290	194,78	3019,07	62
63	3969	250047	7,9373	3,9791	4,14313	15,8730	197,92	3117,25	63
64	4096	262144	8,0000	4,0000	4,15888	15,6250	201,06	3216,99	64
65	4225	274625	8,0623	4,0207	4,17439	15,3846	204,20	3318,31	65
66	4356	287496	8,1240	4,0412	4,18965	15,1515	207,35	3421,19	66
67	4489	300763	8,1854	4,0615	4,20469	14,9254	210,49	3525,65	67
68	4624	314432	8,2462	4,0817	4,21951	14,7059	213,63	3631,68	68
69	4761	328509	8,3066	4,1016	4,23411	14,4928	216,77	3739,28	69
70	4900	343000	8,3666	4,1213	4,24850	14,2857	219,91	3848,45	70
71	5041	357911	8,4261	4,1408	4,26268	14,0845	223,05	3959,19	71
72	5184	373248	8,4853	4,1602	4,27667	13,8889	226,19	4071,50	72
73	5329	389017	8,5440	4,1793	4,29046	13,6986	229,34	4185,39	73
74	5476	405224	8,6023	4,1983	4,30407	13,5135	232,48	4300,84	74
75	5625	421875	8,6603	4,2172	4,31749	13,3333	235,62	4417,86	75
76	5776	438976	8,7178	4,2358	4,33073	13,1579	238,76	4536,46	76
77	5929	456533	8,7750	4,2543	4,34381	12,9870	241,90	4656,63	77
78	6084	474552	8,8318	4,2727	4,35671	12,8205	245,04	4778,36	78
79	6241	493039	8,8882	4,2908	4,36945	12,6582	248,19	4901,67	79
80	6400	512000	8,9443	4,3089	4,38203	12,5000	251,33	5026,55	80
81	6561	531441	9,0000	4,3267	4,39445	12,3457	254,47	5153,00	81
82	6724	551368	9,0554	4,3445	4,40672	12,1951	257,61	5281,02	82
83	6889	571787	9,1104	4,3621	4,41884	12,0482	260,75	5410,61	83
84	7056	592704	9,1652	4,3795	4,43082	11,9048	263,89	5541,77	84
85	7225	614125	9,2195	4,3968	4,44265	11,7647	267,04	5674,50	85
86	7396	636056	9,2736	4,4140	4,45435	11,6279	270,18	5808,80	86
87	7569	658503	9,3274	4,4310	4,46591	11,4943	273,32	5944,68	87
88	7744	681472	9,3808	4,4480	4,47734	11,3636	276,46	6082,12	88
89	7921	704969	9,4340	4,4647	4,48864	11,2360	279,60	6221,14	89
90	8100	729000	9,4868	4,4814	4,49981	11,1111	282,74	6361,73	90
91	8281	753571	9,5394	4,4979	4,51086	10,9890	285,88	6503,88	91
92	8464	778688	9,5917	4,5144	4,52179	10,8696	289,03	6647,61	92
93	8649	804357	9,6437	4,5307	4,53260	10,7527	292,17	6792,91	93
94	8836	830584	9,6954	4,5468	4,54329	10,6383	295,31	6939,78	94
95	9025	857375	9,7468	4,5629	4,55388	10,5263	298,45	7088,22	95
96	9216	884736	9,7980	4,5789	4,56435	10,4167	301,59	7238,23	96
97	9409	912673	9,8489	4,5947	4,57471	10,3093	304,73	7389,81	97
98	9604	941192	9,8995	4,6104	4,58497	10,2041	307,88	7542,96	98
99	9801	970299	9,9499	4,6261	4,59512	10,1010	311,02	7697,69	99
100	10000	1000000	10,0000	4,6416	4,60517	10,0000	314,16	7853,98	100

seguito TABELLA 30

Potenze, Radici, Logaritmi, Circonferenze, Aree di cerchi

n	n^2	n^3	$\sqrt{n}$	$\sqrt[3]{n}$	$\ln n$	$\frac{1000}{n}$	$\pi\, n$	$\frac{\pi\, n^2}{4}$	n
101	10201	1030301	10,0499	4,6570	4,61512	9,90099	317,30	8011,85	101
102	10404	1061208	10,0995	4,6723	4,62497	9,80392	320,44	8171,28	102
103	10609	1092727	10,1489	4,6875	4,63473	9,70874	323,58	8332,29	103
104	10816	1124864	10,1980	4,7027	4,64439	9,61538	326,73	8494,87	104
105	11025	1157625	10,2470	4,7177	4,65396	9,52381	329,87	8659,01	105
106	11236	1191016	10,2956	4,7326	4,66344	9,43396	333,01	8824,73	106
107	11449	1225043	10,3441	4,7475	4,67283	9,34579	336,15	8992,02	107
108	11664	1259712	10,3923	4,7622	4,68213	9,25926	339,29	9160,88	108
109	11881	1295029	10,4403	4,7769	4,69135	9,17431	342,43	9331,32	109
110	12100	1331000	10,4881	4,7914	4,70048	9,09019	345,58	9503,32	110
111	12321	1367631	10,5357	4,8059	4,70953	9,00901	348,72	9676,89	111
112	12544	1404928	10,5830	4,8203	4,71850	8,92857	351,85	9852,03	112
113	12769	1442897	10,6301	4,8346	4,72739	8,84956	355,00	10028,7	113
114	12996	1481544	10,6771	4,8488	4,73620	8,77193	358,14	10207,0	114
115	13225	1520875	10,7238	4,8629	4,74493	8,69565	361,28	10386,9	115
116	13456	1560896	10,7703	4,8770	4,75359	8,62069	364,42	10568,3	116
117	13689	1601613	10,8167	4,8910	4,76217	8,54701	367,57	10751,3	117
118	13924	1643032	10,8628	4,9049	4,77068	8,47458	370,71	10935,9	118
119	14161	1685159	10,9087	4,9187	5,77912	8,40336	373,85	11122,0	119
120	14400	1728000	10,9545	4,9324	4,78749	8,33333	376,99	11309,7	120
121	14641	1771561	11,0000	4,9461	4,79579	8,26446	380,13	11499,0	121
122	14884	1815848	11,0454	4,9597	4,80402	8,19672	383,27	11689,9	122
123	15129	1860867	11,0905	4,9732	4,81218	8,13008	386,42	11882,3	123
124	15376	1906624	11,1355	4,9866	4,82028	8,06452	389,56	12076,3	124
125	15625	1953125	11,1803	5,0000	4,82831	8,00000	392,70	12271,8	125
126	15876	2000376	11,2250	5,0133	4,83628	7,93651	395,84	12469,0	126
127	16129	2048383	11,2694	5,0265	4,84419	7,87402	398,98	12667,7	127
128	16384	2097152	11,3137	5,0397	4,85203	7,81250	402,12	12868,0	128
129	16641	2146689	11,3578	5,0528	4,85981	7,75194	405,27	13069,8	129
130	16900	2197000	11,4018	5,0658	4,86753	7,69231	408,41	13273,2	130
131	17161	2248091	11,4455	5,0788	4,87520	7,63359	411,55	13478,2	131
132	17424	2299968	11,4891	5,0916	4,88280	7,57576	414,69	13684,8	132
133	17689	2352637	11,5326	5,1045	4,89035	7,51880	417,83	13892,9	133
134	17956	2406104	11,5758	5,1172	4,89784	7,46269	420,97	14102,6	134
135	18225	2460375	11,6190	5,1299	4,90527	7,40741	424,12	14313,9	135
136	18496	2515456	11,6619	5,1426	4,91265	7,35294	427,26	14526,7	136
137	18769	2571353	11,7047	5,1551	4,91998	7,29927	430,40	14741,1	137
138	19044	2628072	11,7473	5,1676	4,92725	7,24638	433,54	14957,1	138
139	19321	2685619	11,7898	5,1801	4,93447	7,19424	436,68	15174,7	139
140	19600	2744000	11,8322	5,1925	4,94164	7,14286	439,82	15393,8	140
141	19881	2803221	11,8743	5,2048	4,94876	7,09220	442,96	15614,5	141
142	20164	2863288	11,9164	5,2171	4,95583	7,04225	446,11	15836,8	142
143	20449	2924207	11,9583	5,2293	4,96284	6,99301	449,25	16060,6	143
144	20736	2985984	12,0000	5,2415	4,96981	6,94444	452,39	16286,0	144
145	21025	3048625	12,0416	5,2586	4,97673	6,89655	455,53	16513,0	145
146	21316	3112136	12,0830	5,2656	4,98361	6,84932	458,67	16741,5	146
147	21609	3176523	12,1244	5,2776	4,99043	6,80272	461,81	16971,7	147
148	21904	3241792	12,1655	5,2896	4,99721	6,75676	464,96	17203,4	148
149	22201	3307949	12,2066	5,3015	5,00395	6,71141	468,10	17436,6	149
150	22500	3375000	12,2474	5,3133	5,01064	6,66667	471,24	17671,5	150

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Potenze, Radici, Logaritmi, Circonferenze, Aree di cerchi

n	n^2	n^3	$\sqrt{n}$	$\sqrt[3]{n}$	$\ln n$	$\frac{1000}{n}$	πn	$\frac{\pi n^2}{4}$	n
151	22801	3442951	12,2882	5,3251	5,01728	6,62252	474,38	17907,9	151
152	23104	3511808	12,3288	5,3368	5,02388	6,57895	477,52	18145,8	152
153	23409	3581577	12,3693	5,3485	5,03044	6,53595	480,66	18385,4	153
154	23716	3652264	12,4097	5,3601	5,03695	6,49351	483,81	18626,5	154
155	24025	3723875	12,4499	5,3717	5,04343	6,45161	486,95	18869,2	155
156	24336	3796416	12,4900	5,3832	5,04986	6,41026	490,09	19113,4	156
157	24649	3869893	12,5300	5,3947	5,05625	6,36943	493,23	19359,3	157
158	24964	3944312	12,5698	5,4061	5,06260	6,32911	496,37	19606,7	158
159	25281	4019679	12,6095	5,4175	5,06890	6,28931	499,51	19855,7	159
160	25600	4096000	12,6491	5,4288	5,07517	6,25000	502,65	20106,2	160
161	25921	4173281	12,6886	5,4401	5,08140	6,21118	505,80	20358,3	161
162	26244	4251528	12,7279	5,4514	5,08760	6,17284	508,94	20612,0	162
163	26569	4330747	12,7671	5,4626	5,09375	6,13497	512,08	20867,2	163
164	26896	4410944	12,8062	5,4737	5,09987	6,09756	515,22	21124,1	164
165	27225	4492125	12,8452	5,4848	5,10595	6,06061	518,36	21382,5	165
166	27556	4574296	12,8841	5,4959	5,11199	6,02410	521,50	21642,4	166
167	27889	4657463	12,9228	5,5069	5,11799	5,98802	524,65	21904,0	167
168	28224	4741632	12,9615	5,5178	5,12396	5,95238	527,79	22167,1	168
169	28561	4826809	13,0000	5,5288	5,12990	5,91716	530,93	22431,8	169
170	28900	4913000	13,0384	5,5397	5,13580	5,88235	534,07	22698,0	170
171	29241	5000211	13,0767	5,5505	5,14166	5,84795	537,21	22965,8	171
172	29584	5088448	13,1149	5,5613	5,14749	5,81395	540,35	23235,2	172
173	29929	5177717	13,1529	5,5721	5,15329	5,78035	543,50	23506,2	173
174	30276	5268024	13,1909	5,5828	5,15906	5,74713	546,64	23778,7	174
175	30625	5359375	13,2288	5,5934	5,16479	5,71429	549,78	24052,8	175
176	30976	5451776	13,2665	5,6041	5,17048	5,68182	552,92	24328,5	176
177	31329	5545233	13,3041	5,6147	5,17615	5,64972	556,06	24605,7	177
178	31684	5639752	13,3417	5,6252	5,18178	5,61798	559,20	24884,6	178
179	32041	5735339	13,3791	5,6357	5,18739	5,58659	562,35	25164,9	179
180	32400	5832000	13,4164	5,6462	5,19296	5,55556	565,49	25446,9	180
181	32761	5929741	13,4536	5,6567	5,19850	5,52486	568,63	25730,4	181
182	33124	6028568	13,4907	5,6671	5,20401	5,49451	571,77	26015,5	182
183	33489	6128487	13,5277	5,6774	5,20949	5,46448	574,91	26302,2	183
184	33856	6229504	13,5647	5,6877	5,21494	5,43478	578,05	26590,4	184
185	34225	6331625	13,6015	5,6980	5,22036	5,40541	581,19	26880,3	185
186	34596	6434856	13,6382	5,7083	5,22575	5,37634	584,34	27171,6	186
187	34969	6539203	13,6748	5,7185	5,23111	5,34759	587,48	27464,6	187
188	35344	6644672	13,7113	5,7287	5,23644	5,31915	590,62	27759,1	188
189	35721	6751269	13,7477	5,7388	5,24175	5,29101	593,76	28055,2	189
190	36100	6859000	13,7840	5,7489	5,24702	5,26316	596,90	28352,9	190
191	36481	6967871	13,8203	5,7590	5,25227	5,23560	600,04	28652,1	191
192	36864	7077888	13,8564	5,7690	5,25750	5,20833	603,19	28952,9	192
193	37249	7189057	13,8924	5,7790	5,26269	5,18135	606,33	29255,3	193
194	37636	7301384	13,9284	5,7890	5,26786	5,15464	609,47	29559,2	194
195	38025	7414875	13,9642	5,7989	5,27300	5,12821	612,61	29864,8	195
196	38416	7529536	14,0000	5,8088	5,27811	5,10204	615,75	30171,9	196
197	38809	7645373	14,0357	5,8186	5,28320	5,07614	618,89	30480,5	197
198	39204	7762392	14,0712	5,8285	5,28827	5,05051	622,04	30790,7	198
199	39601	7880599	14,1067	5,8383	5,29330	5,02513	625,18	31102,6	199
200	40000	8000000	14,1421	5,8480	5,29832	5,00000	628,32	31415,9	200

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Potenze, Radici, Logaritmi, Circonferenze, Aree di cerchi

n	n^2	n^3	$\sqrt{n}$	$\sqrt[3]{n}$	$\ln n$	$\frac{1000}{n}$	$\pi\, n$	$\frac{\pi\, n^2}{4}$	n
201	40401	8120601	14,1774	5,8578	5,30330	4,97512	631,46	31730,9	201
202	40804	8242408	14,2127	5,8675	5,30827	4,95050	634,60	32047,4	202
203	41209	8365427	14,2478	5,8771	5,31321	4,92611	637,74	32365,5	203
204	41616	8489664	14,2829	5,8868	5,31812	4,90196	640,88	32685,1	204
205	42025	8615125	14,3178	5,8964	5,32301	4,87805	644,03	33006,4	205
206	42436	8741816	14,3527	5,9059	5,32788	4,85437	647,17	33329,2	206
207	42849	8869743	14,3875	5,9155	5,33272	4,83092	650,31	33653,5	207
208	43264	8998912	14,4222	5,9250	5,33754	4,80769	653,45	33979,5	208
209	43681	9129329	14,4568	5,9345	5,34233	4,78469	656,59	34307,0	209
210	44100	9261000	14,4914	5,9439	5,34711	4,76190	659,73	34636,1	210
211	44521	9393931	14,5258	5,9533	5,35186	4,73934	662,88	44966,7	211
212	44944	9528128	14,5602	5,9627	5,35659	4,71698	666,02	35298,9	212
213	45369	9663597	14,5945	5,9721	5,36129	4,69484	669,16	35632,7	213
214	45796	9800344	14,6287	5,9814	5,36598	4,67290	672,30	35968,1	214
215	46225	9938375	14,6629	5,9907	5,37064	4,65116	675,44	36305,0	215
216	46656	10077696	14,6969	6,0000	5,37528	4,62963	678,58	36643,5	216
217	47089	10218313	14,7309	6,0092	5,37990	4,60829	681,73	36983,6	217
218	47524	10360232	14,7648	6,0185	5,38450	4,58716	684,87	37325,3	218
219	47961	10503459	14,7986	6,0277	5,38907	4,56621	688,01	37668,5	219
220	48400	10648000	14,8324	6,0368	5,39363	4,54545	691,15	38013,3	220
221	48841	10793861	14,8661	6,0459	5,39816	4,52489	694,29	38359,6	221
222	49284	10941048	14,8997	6,0550	5,40268	4,50450	697,43	38707,6	222
223	49729	11089567	14,9332	6,0641	5,40717	4,48430	700,58	39057,1	223
224	50176	11239424	14,9666	6,0732	5,41165	4,46429	703,72	39408,1	224
225	50625	11390625	15,0000	6,0822	5,41610	4,44444	706,86	39760,8	225
226	51076	11543176	15,0333	6,0912	5,42053	4,42478	710,00	40115,0	226
227	51529	11697083	15,0665	6,1002	5,42495	4,40529	713,14	40470,8	227
228	51984	11852352	15,0997	6,1091	5,42935	4,38596	716,28	40828,1	228
229	52441	12008989	15,1327	6,1180	5,43372	4,36681	719,42	41187,1	229
230	52900	12167000	15,1658	6,1269	5,43808	4,34783	722,57	41547,6	230
231	53361	12326391	15,1987	6,1358	5,44242	4,32900	725,71	41909,6	231
232	53824	12487168	15,2315	6,1446	5,44674	4,31034	728,85	42273,3	232
233	54289	12649337	15,2643	6,1534	5,45104	4,29185	731,99	42638,5	233
234	54756	12812904	15,2971	6,1622	5,45532	4,27350	735,13	43005,3	234
235	55225	12977875	15,3297	6,1710	5,45959	4,25532	738,27	43373,6	235
236	55696	13144256	15,3623	6,1797	5,46383	4,23729	741,42	43743,5	236
237	56169	13312053	15,3948	6,1885	5,46806	4,21941	744,56	44115,0	237
238	56644	13481272	15,4272	6,1972	5,47227	4,20168	747,70	44488,1	238
239	57121	13651919	15,4596	6,2058	5,47646	4,18410	750,84	44862,7	239
240	57600	13824000	15,4919	6,2145	5,48064	4,16667	753,98	45238,9	240
241	58081	13997521	15,5242	6,2231	5,48480	4,14938	757,12	45616,7	241
242	58564	14172488	15,5563	6,2317	5,48894	4,13223	760,27	45996,1	242
243	59049	14348907	15,5885	6,2403	5,49306	4,11523	763,41	46377,0	243
244	59536	14526784	15,6205	6,2488	5,49717	4,09836	766,55	46759,5	244
245	60025	14706125	15,6525	6,2573	5,50126	4,08163	769,69	47143,5	245
246	60516	14886936	15,6844	6,2658	5,50533	4,06504	772,83	47529,2	246
247	61009	15069223	15,7162	6,2743	5,50939	4,04858	775,97	47916,4	247
248	61504	15252992	15,7480	6,2828	5,51343	4,03226	779,11	48305,1	248
249	62001	15438249	15,7797	6,2912	5,51745	4,01606	782,26	48695,5	249
250	62500	15625000	15,8114	6,2996	5,52146	4,00000	785,40	49087,4	250

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Potenze, Radici, Logaritmi, Circonferenze, Aree di cerchi

n	n^2	n^3	$\sqrt{n}$	$\sqrt[3]{n}$	ln n	$\frac{1000}{n}$	$\pi\, n$	$\frac{\pi\, n^2}{4}$	n
251	63001	15813251	15,8430	6,3080	5,52545	3,98406	788,54	49480,9	251
252	63504	16003008	15,8745	6,3164	5,52943	3,96825	791,68	49875,9	252
253	64009	16194277	15,9060	6,3247	5,53339	3,95257	794,82	50272,6	253
254	64516	16387064	15,9374	6,3330	5,53733	3,93701	797,96	50670,7	254
255	65025	16581375	15,9687	6,3413	5,54126	3,92157	801,11	51070,5	255
256	65536	16777216	16,0000	6,3496	5,54518	3,90625	804,25	51471,9	256
257	66049	16974593	16,0312	6,3579	5,54908	3,89105	807,39	51874,8	257
258	66564	17173512	16,0624	6,3661	5,55296	3,87597	810,53	52279,2	258
259	67081	17373979	16,0935	6,3743	5,55683	3,86100	813,67	52685,3	259
260	67600	17576000	16,1245	6,3825	5,56068	3,84615	816,81	53092,9	260
261	68121	17779581	16,1555	6,3907	5,56452	3,83142	819,96	53502,1	261
262	68644	17984728	16,1864	6,3988	5,56834	3,81679	823,10	53912,9	262
263	69169	18191447	16,2173	6,4070	5,57215	3,80228	826,24	54325,2	263
264	69696	18399744	16,2481	6,4151	5,57595	3,78788	829,38	54739,1	264
265	70225	18609625	16,2788	6,4232	5,57973	3,77358	832,52	55154,6	265
266	70756	18821096	16,3095	6,4312	5,58350	3,75940	835,66	55571,6	266
267	71289	19034163	16,3401	6,4393	5,58725	3,74532	838,81	55990,2	267
268	71824	19248832	16,3707	6,4473	5,59099	3,73134	841,95	56410,4	268
269	72361	19465109	16,4012	6,4553	5,59471	3,71747	845,09	56832,2	269
270	72900	19683000	16,4317	6,4633	5,59842	3,70370	848,23	57255,5	270
271	73441	19902511	16,4621	6,4713	5,60212	3,69004	851,37	57680,4	271
272	73984	20123648	16,4924	6,4792	5,60580	3,67647	854,51	58106,9	272
273	74529	20346417	16,5227	6,4872	5,60947	3,66300	857,65	58534,9	273
274	75076	20570824	16,5529	6,4951	5,61313	3,64964	860,80	58964,6	274
275	75625	20796875	16,5831	6,5030	5,61677	3,63636	863,94	59395,7	275
276	76176	21024576	16,6132	6,5108	5,62040	3,62319	867,08	59828,5	276
277	76729	21253933	16,6433	6,5187	5,62402	3,61011	870,22	60262,8	277
278	77284	21484952	16,6733	6,5265	5,62762	3,59712	873,36	60698,7	278
279	77841	21717639	16,7033	6,5343	5,63121	3,58423	876,50	61136,2	279
280	78400	21952000	16,7332	6,5421	5,63479	3,57143	879,65	61575,2	280
281	78961	22188041	16,7631	6,5499	5,63835	3,55872	882,79	62015,8	281
282	79524	22425768	16,7929	6,5577	5,64191	3,54610	885,93	62458,0	282
283	80089	22665187	16,8226	8,5654	5,64545	3,53357	889,07	62901,8	283
284	80656	22906304	16,8523	6,5731	5,64897	3,52113	892,21	63347,1	284
285	81225	23149125	16,8819	6,5808	5,65249	3,50877	895,35	63794,0	285
286	81796	23393656	16,9115	6,5885	5,65599	3,49650	898,50	64242,4	286
287	82369	23639903	16,9411	6,5962	5,65948	3,48432	901,64	64692,5	287
288	82944	23887872	16,9706	6,6039	5,66296	3,47222	904,78	65144,1	288
289	83521	24137569	17,0000	6,6115	5,66643	3,46021	907,92	65597,2	289
290	84100	24389000	17,0294	6,6191	5,66988	3,44828	911,06	66052,0	290
291	84681	24642171	17,0587	6,6267	5,67332	3,43643	914,20	66508,3	291
292	85264	24897088	17,0880	6,6343	5,67675	3,42466	917,35	66966,2	292
293	85849	25153757	17,1172	6,6419	5,68017	3,41297	920,49	67425,6	293
294	86436	25412184	17,1464	6,6494	5,68358	3,40136	923,63	67886,7	294
295	87025	25672375	17,1756	6,6569	5,68698	3,38983	926,77	68349,3	295
296	87616	25934336	17,2047	6,6644	5,69036	3,37838	929,91	68813,4	296
297	88209	26198073	17,2337	6,6719	5,69373	3,36700	933,05	69279,2	297
298	88804	26463592	17,2627	6,6794	5,69709	3,35570	936,19	69746,5	298
299	89401	26730899	17,2916	6,6869	5,70044	3,34448	939,34	70215,4	299
300	90000	27000000	17,3205	6,6943	5,70378	3,33333	942,48	70685,8	300

seguito TABELLA 30

Potenze, Radici, Logaritmi, Circonferenze, Aree di cerchi

n	n^2	n^3	$\sqrt{n}$	$\sqrt[3]{n}$	$\ln n$	$\frac{1000}{n}$	$\pi\, n$	$\frac{\pi\, n^2}{4}$	n
301	90601	27270901	17,3494	6,7018	5,70711	3,32226	945,62	71157,9	301
302	91204	27543608	17,3781	6,7092	5,71043	3,31126	948,76	71631,5	302
303	91809	27818127	17,4069	6,7166	5,71373	3,30033	951,90	72106,6	303
304	92416	28094464	17,4356	6,7240	5,71703	3,28947	955,04	72583,4	304
305	93025	28372625	17,4642	6,7313	5,72031	3,27869	958,19	73061,7	305
306	93636	28652616	17,4929	6,7387	5,72359	3,26797	961,33	73541,5	306
307	94249	28934443	17,5214	6,7460	5,72685	3,25733	964,47	74023,0	307
308	94864	29218112	17,5499	6,7533	5,73010	3,24675	967,61	74506,0	308
309	95481	29503629	17,5784	6,7606	5,73334	3,23625	970,75	74990,6	309
310	96100	29791000	17,6068	6,7679	5,73657	3,22581	973,89	75476,8	310
311	96721	30080231	17,6352	6,7752	5,73979	3,21543	977,04	75964,5	311
312	97344	30371328	17,6635	6,7824	5,74300	3,20513	980,18	76453,8	312
313	97969	30664297	17,6918	6,7897	5,74620	3,19489	983,32	76944,7	313
314	98596	30959144	17,7200	6,7969	5,74939	3,18471	986,46	77437,1	314
315	99225	31255875	17,7482	6,8041	5,75257	3,17460	989,60	77931,1	315
316	99856	31554496	17,7764	6,8113	5,75574	3,16456	992,74	78426,7	316
317	100489	31855013	17,8045	6,8185	5,75890	3,15457	995,88	78923,9	317
318	101124	32157432	17,8326	6,8256	5,76205	3,14465	999,03	79422,6	318
319	101761	32461759	17,8606	6,8328	5,76519	3,13480	1002,2	79922,9	319
320	102400	32768000	17,8885	6,8399	5,76832	3,12500	1005,3	80424,8	320
321	103041	33076161	17,9165	6,8470	5,77144	3,11526	1008,5	80928,2	321
322	103684	33386248	17,9444	6,8541	5,77455	3,10559	1011,6	81433,2	322
323	104329	33698267	17,9722	6,8612	5,77765	3,09598	1014,7	81939,8	323
324	104976	34012224	18,0000	6,8683	5,78074	3,08642	1017,9	82448,0	324
325	105625	34328125	18,0278	6,8753	5,78383	3,07692	1021,0	82957,7	325
326	106276	34645976	18,0555	6,8824	5,78690	3,06748	1024,2	83469,0	326
327	106929	34965783	18,0831	6,8894	5,78996	3,05810	1027,3	83981,8	327
328	107584	35287552	18,1108	6,8964	5,79301	3,04878	1030,4	84496,3	328
329	108241	35611289	18,1384	6,9034	5,79606	3,03951	1033,6	85012,3	329
330	108900	35937000	18,1659	6,9104	5,79909	3,03030	1036,7	85529,9	330
331	109561	36264691	18,1934	6,9174	5,80212	3,02115	1039,9	86049,0	331
332	110224	36594368	18,2209	6,9244	5,80513	3,01205	1043,0	86569,7	332
333	110889	36926037	18,2483	6,9313	5,80814	3,00300	1046,2	87092,0	333
334	111556	37259704	18,2757	6,9382	5,81114	2,99401	1049,3	87615,9	334
335	112225	37595375	18,3030	6,9451	5,81413	2,98507	1052,4	88141,3	335
336	112896	37933056	18,3303	6,9521	5,81711	2,97619	1055,6	88668,3	336
337	113569	38272753	18,3576	6,9589	5,82008	2,96736	1058,7	89196,9	337
338	114244	38614472	18,3848	6,9658	5,82305	2,95858	1061,9	89727,0	338
339	114921	38958219	18,4120	6,9727	5,82600	2,94985	1065,0	90258,7	339
340	115600	39304000	18,4391	6,9795	5,82895	2,94118	1068,1	90792,0	340
341	116281	39651821	18,4662	6,9864	5,83188	2,93255	1071,3	91326,9	341
342	116964	40001688	18,4932	6,9932	5,83481	2,92398	1074,4	91863,3	342
343	117649	40353607	18,5203	7,0000	5,83773	2,91545	1077,6	92401,3	343
344	118336	40707584	18,5472	7,0068	5,84064	2,90698	1080,7	92940,9	344
345	119025	41063625	18,5742	7,0136	5,84354	2,89855	1083,8	93482,0	345
346	119716	41421736	18,6011	7,0203	5,84644	2,89017	1087,0	94024,7	346
347	120409	41781923	18,6279	7,0271	5,84932	2,88184	1090,1	94569,0	347
348	121104	42144192	18,6548	7,0338	5,85220	2,87356	1093,3	95114,9	348
349	121801	42508549	18,6815	7,0406	4,85507	2,86533	1096,4	95662,3	349
350	122500	42875000	18,7083	7,0473	5,85793	2,85714	1099,6	96211,3	350

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Potenze, Radici, Logaritmi, Circonferenze, Aree di cerchi

n	n^2	n^3	$\sqrt{n}$	$\sqrt[3]{n}$	$\ln n$	$\frac{1000}{n}$	$\pi\, n$	$\frac{\pi\, n^2}{4}$	n
351	123201	43243551	18,7350	7,0540	5,86079	2,84900	1102,7	96761,8	351
352	123904	43614208	18,7617	7,0607	5,86363	2,84091	1105,8	97314,0	352
353	124609	43986977	18,7883	7,0674	5,86647	2,83286	1109,0	97867,7	353
354	125316	44361864	18,8149	7,0740	5,86930	2,82486	1112,1	98423,0	354
355	126025	44738875	18,8414	7,0807	5,87212	2,81690	1115,3	98979,8	355
356	126736	45118016	18,8680	7,0873	5,87493	2,80899	1118,4	99538,2	356
357	127449	45499293	18,8944	7,0940	5,87774	2,80112	1121,5	100098	357
358	128164	45882712	18,9209	7,1006	5,88053	2,79330	1124,7	100660	358
359	128881	46268279	18,9473	7,1072	5,88332	2,78552	1127,8	101223	359
360	129600	46656000	18,9737	7,1138	5,88610	2,77778	1131,0	101788	360
361	130321	47045881	19,0000	7,1204	5,88888	2,77008	1134,1	102354	361
362	131044	47437928	19,0263	7,1269	5,89164	2,76243	1137,3	102922	362
363	131769	47832147	19,0526	7,1335	5,89440	2,75482	1140,4	103491	363
364	132496	48228544	19,0788	7,1400	5,89715	2,74725	1143,5	104062	364
365	133225	48627125	19,1050	7,1466	5,89990	2,73973	1146,7	104635	365
366	133956	49027896	19,1311	7,1531	5,90263	2,73224	1149,8	105209	366
367	134689	49430863	19,1572	7,1596	5,90536	2,72480	1153,0	105785	367
368	135424	49836032	19,1833	7,1661	5,90808	2,71739	1156,1	106362	368
369	136161	50243409	19,2094	7,1726	5,91080	2,71003	1159,2	106941	369
370	136900	50653000	19,2354	7,1791	5,91350	2,70270	1162,4	107521	370
371	137641	51064811	19,2614	7,1855	5,91620	2,69542	1165,5	108103	371
372	138384	51478848	19,2873	7,1920	5,91889	2,68817	1168,7	108687	372
373	139129	51895117	19,3132	7,1984	5,92158	2,68097	1171,8	109272	373
374	139876	52313624	19,3391	7,2048	5,92426	2,67380	1175,0	109858	374
375	140625	52734375	19,3649	7,2112	5,92693	2,66667	1178,1	110447	375
376	141376	53157376	19,3907	7,2177	5,92959	2,65957	1181,2	111036	376
377	142129	53582633	19,4165	7,2240	5,93225	2,65252	1184,4	111628	377
378	142884	54010152	19,4422	7,2304	5,93489	2,64550	1187,5	112221	378
379	143641	54439939	19,4679	7,2368	5,93754	2,63852	1190,7	112815	379
380	144400	54872000	19,4936	7,2432	5,94017	2,63158	1193,8	113411	380
381	145161	55306341	19,5192	7,2495	5,94280	2,62467	1196,9	114009	381
382	145924	55742968	19,5448	7,2558	5,94542	2,61780	1200,1	114608	382
383	146689	56181887	19,5704	7,2622	5,94803	2,61097	1203,2	115209	383
384	147456	56623104	19,5959	7,2685	5,95064	2,60417	1206,4	115812	384
385	148225	57066625	19,6214	7,2748	5,95324	2,59740	1209,5	116416	385
386	148996	57512456	19,6469	7,2811	5,95584	2,59067	1212,7	117021	386
387	149769	57960603	19,6723	7,2874	5,95842	2,58398	1215,8	117628	387
388	150544	58411072	19,6977	7,2936	5,96101	2,57732	1218,9	118237	388
389	151321	58863869	19,7231	7,2999	5,96358	2,57069	1222,1	118847	389
390	152100	59319000	19,7484	7,3061	5,96615	2,56410	1225,2	119459	390
391	152881	59776471	19,7737	7,3124	5,96871	2,55754	1228,4	120072	391
392	153664	60236288	19,7990	7,3186	5,97126	2,55102	1231,5	120687	392
393	154449	60698457	19,8242	7,3248	5,97381	2,54453	1234,6	121304	393
394	155236	61162984	19,8494	7,3310	5,97635	2,53807	1237,8	121922	394
395	156025	61629875	19,8746	7,3372	5,97889	2,53165	1240,9	122542	395
396	156816	62099136	19,8997	7,3434	5,98141	2,52525	1244,1	123163	396
397	157609	62570773	19,9249	7,3496	5,98394	2,51889	1247,2	123786	397
398	158404	63044792	19,9499	7,3558	5,98645	2,51256	1250,4	124410	398
399	159201	63521199	19,9750	7,3619	5,98896	2,50627	1253,5	125036	399
400	160000	64000000	20,0000	7,3681	5,99146	2,50000	1256,6	125664	400

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Potenze, Radici, Logaritmi, Circonferenze, Aree di cerchi

n	n^2	n^3	$\sqrt{n}$	$\sqrt[3]{n}$	$\ln n$	$\frac{1000}{n}$	$\pi\, n$	$\frac{\pi\, n^2}{4}$	n
401	160801	64481201	20,0250	7,3742	5,99396	2,49377	1259,8	126293	401
402	161604	64964808	20,0499	7,3803	5,99645	2,48756	1262,9	126923	402
403	162409	65450827	20,0749	7,3864	5,99894	2,48139	1266,1	127556	403
404	163216	65939264	20,0998	7,3925	6,00141	2,47525	1269,2	128190	404
405	164025	66430125	20,1246	7,3986	6,00389	2,46914	1272,3	128825	405
406	164836	66923416	20,1494	7,4047	6,00635	2,46305	1275,5	129462	406
407	165649	67419143	20,1742	7,4108	6,00881	2,45700	1278,6	130100	407
408	166464	67917312	20,1990	7,4169	6,01127	2,45098	1281,8	130741	408
409	167281	68417929	20,2237	7,4229	6,01372	2,44499	1284,9	131382	409
410	168100	68921000	20,2485	7,4290	6,01616	2,43902	1288,1	132025	410
411	168921	69426531	20,2731	7,4350	6,01859	2,43309	1291,2	132670	411
412	169744	69934528	20,2978	7,4410	6,02102	2,42718	1294,3	133317	412
413	170569	70444997	20,3224	7,4470	6,02345	2,42131	1297,5	133965	413
414	171396	70957944	20,3470	7,4530	6,02587	2,41546	1300,6	134614	414
415	172225	71473375	20,3715	7,4590	6,02828	2,40964	1303,8	135265	415
416	173056	71991296	20,3961	7,4650	6,03069	2,40385	1306,9	135918	416
417	173889	72511713	20,4206	7,4710	6,03309	2,39808	1310,0	136572	417
418	174724	73034632	20,4450	7,4770	6,03548	2,39234	1313,2	137228	418
419	175561	73560059	20,4695	7,4829	6,03787	2,38663	1316,3	137885	419
420	176400	74088000	20,4939	7,4889	6,04025	2,38095	1319,5	138544	420
421	177241	74618461	20,5183	7,4948	6,04263	2,37530	1322,6	139205	421
422	178084	75151448	20,5426	7,5007	6,04501	2,36967	1325,8	139867	422
423	178929	75686967	20,5670	7,5067	6,04737	2,36407	1328,9	140531	423
424	179776	76225024	20,5913	7,5126	6,04973	2,35849	1332,0	141196	424
425	180625	76765625	20,6155	7,5185	6,05209	2,35294	1335,2	141863	425
426	181476	77308776	20,6398	7,5244	6,05444	2,34742	1338,3	142531	426
427	182329	77854483	20,6640	7,5302	6,05678	2,34192	1341,5	143201	427
428	183184	78402752	20,6882	7,5361	6,05912	2,33645	1344,6	143872	428
429	184041	78953589	20,7123	7,5420	6,06146	2,33100	1347,7	144545	429
430	184900	79507000	20,7364	7,5478	6,06379	2,32558	1350,9	145220	430
431	185761	80062991	20,7605	7,5537	6,06611	2,32019	1354,0	145896	431
432	186624	80621568	20,7846	7,5595	6,06843	2,31481	1357,2	146574	432
433	187489	81182737	20,8087	7,5654	6,07074	2,30947	1360,3	147254	433
434	188356	81746504	20,8327	7,5712	6,07304	2,30415	1363,5	147934	434
435	189225	82312875	20,8567	7,5770	6,07535	2,29885	1366,6	148617	435
436	190096	82881856	20,8806	7,5828	6,07764	2,29358	1369,7	149301	436
437	190969	83453453	20,9045	7,5886	6,07993	2,28833	1372,9	149987	437
438	191844	84027672	20,9284	7,5944	6,08222	2,28311	1376,0	150674	438
439	192721	84604519	20,9523	7,6001	6,08450	2,27790	1379,2	151363	439
440	193600	85184000	20,9762	7,6059	6,08677	2,27273	1382,3	152053	440
441	194481	85766121	21,0000	7,6117	6,08904	2,26757	1385,4	152745	441
442	195364	86350888	21,0238	7,6174	6,09131	2,26244	1388,6	153439	442
443	196249	86938307	21,0476	7,6232	6,09357	2,25734	1391,7	154134	443
444	197136	87528384	21,0713	7,6289	6,09582	2,25225	1394,9	154830	444
445	198025	88121125	21,0950	7,6346	6,09807	2,24719	1398,0	155528	445
446	198916	88716536	21,1187	7,6403	6,10032	2,24215	1401,2	156228	446
447	199809	89314623	21,1424	7,6460	6,10256	2,23714	1404,3	156930	447
448	200704	89915392	21,1660	7,6517	6,10479	2,23214	1407,4	157633	448
449	201601	90518849	21,1896	7,6574	6,10702	2,22717	1410,6	158337	449
450	202500	91125000	21,2132	7,6631	6,10925	2,22222	1413,7	159043	450

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Potenze, Radici, Logaritmi, Circonferenze, Aree di cerchi

n	n^2	n^3	$\sqrt{n}$	$\sqrt[3]{n}$	$\ln n$	$\frac{1000}{n}$	$\pi\, n$	$\frac{\pi\, n^2}{4}$	n
451	203401	91733851	21,2368	7,6688	6,11147	2,21729	1416,9	159751	451
452	204304	92345408	21,2603	7,6744	6,11368	2,21239	1420,0	160460	452
453	205209	92959677	21,2838	7,6801	6,11589	2,20751	1423,1	161171	453
454	206116	93576664	21,3073	7,6857	6,11810	2,20264	1426,3	161883	454
455	207025	94196375	21,3307	7,6914	6,12030	2,19780	1429,4	162597	455
456	207936	94818816	21,3542	7,6970	6,12249	2,19298	1432,6	163313	456
457	208849	95443993	21,3776	7,7026	6,12468	2,18818	1435,7	164030	457
458	209764	96071912	21,4009	7,7082	6,12687	2,18341	1438,8	164748	458
459	210681	96702579	21,4243	7,7138	6,12905	2,17865	1442,0	165468	459
460	211600	97336000	21,4476	7,7194	6,13123	2,17391	1445,1	166190	460
461	212521	97972181	21,4709	7,7250	6,13340	2,16920	1448,3	166914	461
462	213444	98611128	21,4942	7,7306	6,13556	2,16450	1451,4	167639	462
463	214369	99252847	21,5174	7,7362	6,13773	2,15983	1454,6	168365	463
464	215296	99897344	21,5407	7,7418	6,13988	2,15517	1457,7	169093	464
465	216225	100544625	21,5639	7,7473	6,14204	2,15054	1460,8	169823	465
466	217156	101194696	21,5870	7,7520	6,14419	2,14592	1464,0	170554	466
467	218089	101847563	21,6102	7,7584	6,14633	2,14133	1467,1	171287	467
468	219024	102503232	21,6333	7,7639	6,14807	2,13575	1470,3	172021	468
469	219961	103161709	21,6564	7,7695	6,15060	2,13220	1473,4	172757	469
470	220900	103823000	21,6795	7,7750	6,15273	2,12766	1476,5	173494	470
471	221841	104487111	21,7025	7,7805	6,15486	2,12314	1479,7	174234	471
472	222784	105154048	21,7256	7,7860	6,15698	2,11864	1482,8	174974	472
472	223729	105823817	21,7486	7,7915	6,15910	2,11416	1486,0	175716	473
474	224676	106496424	21,7715	7,7970	6,16121	2,10970	1489,1	176460	474
475	225625	107171875	21,7945	7,8025	6,16331	2,10526	1492,3	177205	475
476	226576	107850176	21,8174	7,8079	6,16542	2,10084	1495,4	177952	476
477	227529	108531333	21,8403	7,8134	6,16752	2,09644	1498,5	178701	477
478	228484	109215352	21,8632	7,8188	6,16961	2,09205	1501,7	179451	478
479	229441	109902239	21,8861	7,8243	6,17170	2,08768	1504,8	180203	479
480	230400	110592000	21,9089	7,8297	6,17379	2,08333	1508,0	180956	480
481	231361	111284641	21,9317	7,8352	6,17587	2,07900	1511,1	181711	481
482	232324	111980168	21,9545	7,8406	6,17794	2,07469	1514,2	182467	482
483	233289	112678587	21,9773	7,8460	6,18002	2,07039	1517,4	183225	483
484	234256	113379904	22,0000	7,8514	6,18208	2,06612	1520,5	183984	484
485	235225	114084125	22,0227	7,8568	6,18415	2,06186	1523,7	184745	485
486	236196	114791256	22,0454	7,8622	6,18621	2,05761	1526,8	185508	486
487	237169	115501303	22,0681	7,8676	6,18826	2,05339	1530,0	186272	487
488	238144	116214272	22,0907	7,8730	6,19032	2,04918	1533,1	187038	488
489	239121	116930169	22,1133	7,8784	6,19236	2,04499	1536,2	187805	489
490	240100	117649000	22,1359	7,8837	6,19441	2,04082	1539,4	188574	490
491	241081	118370771	22,1585	7,8891	6,19644	2,03666	1542,5	189345	491
492	242064	119095488	22,1811	7,8944	6,19848	2,03252	1545,7	190117	492
493	243049	119823157	22,2036	7,8998	6,20051	2,02840	1548,8	190890	493
494	244036	120553784	22,2261	7,9051	6,20254	2,02429	1551,9	191665	494
495	245025	121287375	22,2486	7,9105	6,20456	2,02020	1555,1	192442	495
496	246016	122023936	22,2711	7,9158	6,20658	2,01613	1558,2	193221	496
497	247009	122763473	22,2935	7,9211	6,20859	2,01207	1561,4	194000	497
498	248004	123505992	22,3159	7,9264	6,21060	2,00803	1564,5	194782	498
499	249001	124251499	22,3383	7,9317	6,21261	2,00401	1567,7	195565	499
500	250000	125000000	22,3607	7,9370	6,21461	2,00000	1570,8	196350	500

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Potenze, Radici, Logaritmi, Circonferenze, Aree di cerchi

n	n^2	n^3	$\sqrt{n}$	$\sqrt[3]{n}$	$\ln n$	$\frac{1000}{n}$	$\pi\, n$	$\frac{\pi\, n^2}{4}$	n
501	251001	125751501	22,3830	7,9423	6,21661	1,99601	1573,9	197136	501
502	252004	126506008	22,4054	7,9476	6,21860	1,99203	1577,1	197923	502
503	253009	127263527	22,4277	7,9528	6,22059	1,98807	1580,2	198713	503
504	254016	128024064	22,4499	7,9581	6,22258	1,98413	1583,4	199504	504
505	255025	128787625	22,4722	7,9634	6,22456	1,98020	1586,5	200296	505
506	256036	129554216	22,4944	7,9686	6,22654	1,97628	1589,6	201090	506
507	257049	130323843	22,5167	7,9739	6,22851	1,97239	1592,8	201886	507
508	258064	131096512	22,5389	7,9791	6,23048	1,96850	1595,9	202683	508
509	259081	131872229	22,5610	7,9843	6,23245	1,96464	1599,1	203482	509
510	260100	132651000	22,5832	7,9896	6,23441	1,96078	1602,2	204282	510
511	261121	133432831	22,6053	7,9948	6,23637	1,95695	1605,4	205084	511
512	262144	134217728	22,6274	8,0000	6,23832	1,95312	1608,5	205887	512
513	263169	135005697	22,6495	8,0052	6,24028	1,94932	1611,6	206692	513
514	264196	135796744	22,6716	8,0104	6,24222	1,94553	1614,8	207499	514
515	265225	136590875	22,6936	8,0156	6,24417	1,94175	1617,9	208307	515
516	266256	137388096	22,7156	8,0208	6,24611	1,93798	1621,1	209117	516
517	267289	138188413	22,7376	8,0260	6,24804	1,93424	1624,2	209928	517
518	268324	138991832	22,7596	8,0311	6,24998	1,93050	1627,3	210741	518
519	269361	139798359	22,7816	8,0363	6,25190	1,92678	1630,5	211556	519
520	270400	140608000	22,8035	8,0415	6,25383	1,92308	1633,6	212372	520
521	271441	141420761	22,8254	8,0466	6,25575	1,91939	1636,8	213189	521
522	272484	142236648	22,8473	8,0517	6,25767	1,91571	1639,9	214008	522
523	273529	143055667	22,8692	8,0569	6,25958	1,91205	1643,1	214829	523
524	274576	143877824	22,8910	8,0620	6,26149	1,90840	1646,2	215651	524
525	275625	144703125	22,9129	8,0671	6,26340	1,90476	1649,3	216475	525
526	276676	145531576	22,9347	8,0723	6,26530	1,90114	1652,5	217301	526
527	277729	146363183	22,9565	8,0774	6,26720	1,89753	1655,6	218128	527
528	278784	147197952	22,9783	8,0825	6,26910	1,89394	1658,8	218956	528
529	279841	148035889	23,0000	8,0876	6,27099	1,89036	1661,9	219787	529
530	280900	148877000	23,0217	8,0927	6,27288	1,88679	1665,0	220618	530
531	281961	149721291	23,0434	8,0978	6,27476	1,88324	1668,2	221452	531
532	283024	150568768	23,0651	8,1028	6,27664	1,87970	1671,3	222287	532
533	284089	151419437	23,0868	8,1079	6,27852	1,87617	1674,5	223123	533
534	285156	152273304	23,1084	8,1130	6,28040	1,87266	1677,6	223961	534
535	286225	153130375	23,1301	8,1180	6,28227	1,86916	1680,8	224801	535
536	287296	153990656	23,1517	8,1231	6,28413	1,86567	1683,9	225642	536
537	288368	154854153	23,1733	8,1281	6,28600	1,86220	1687,0	226484	537
538	289444	155720872	23,1948	8,1332	6,28786	1,85874	1690,2	227329	538
539	290521	156590819	23,2164	8,1382	6,28972	1,85529	1693,3	228175	539
540	291600	152464000	23,2379	8,1433	6,29157	1,85185	1696,5	229022	540
541	292681	158340421	23,2594	8,1483	6,29342	1,84843	1699,6	229871	541
542	293764	159220088	23,2809	8,1533	6,29527	1,84502	1702,7	230722	542
543	294849	160103007	23,3024	8,1583	6,29711	1,84162	1705,9	231574	543
544	295936	160989184	23,3238	8,1633	6,29895	1,83824	1709,0	232428	544
545	297025	161878625	23,3452	8,1683	6,30079	1,83486	1712,2	233283	545
546	298116	162771336	23,3666	8,1733	6,30262	1,83150	1715,3	234140	546
547	299209	163667323	23,3880	8,1783	6,30445	1,82815	1718,5	234998	547
548	300304	164566592	23,4094	8,1833	6,30628	1,82482	1721,6	235858	548
549	301401	165469149	23,4307	8,1882	6,30810	1,82149	1724,7	236720	549
550	302500	166375000	23,4521	8,1932	6,30992	1,81818	1727,9	237583	550

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Potenze, Radici, Logaritmi, Circonferenze, Aree di cerchi

n	n^2	n^3	$\sqrt{n}$	$\sqrt[3]{n}$	$\ln n$	$\frac{1000}{n}$	$\pi\, n$	$\frac{\pi\, n^2}{4}$	n
551	303601	167284151	23,4734	8,1982	6,31173	1,81488	1731,0	238448	551
552	304704	168196608	23,4947	8,2031	6,31355	1,81159	1734,2	239314	552
553	305809	169112377	23,5160	8,2081	6,31536	1,80832	1737,3	240182	553
554	306916	170031464	23,5372	8,2130	6,31716	1,80505	1740,4	241051	554
555	308025	170953875	23,5584	8,2180	6,31897	1,80180	1743,6	241922	555
556	309136	171879616	23,5797	8,2229	6,32077	1,79856	1746,7	242795	556
557	310249	172808693	23,6008	8,2278	6,32257	1,79533	1749,9	243669	557
558	311364	173741112	23,6220	8,2327	6,32436	1,79211	1753,0	244545	558
559	312481	174676879	23,6432	8,2377	6,32615	1,78891	1756,2	245422	559
560	313600	175616000	23,6643	8,2426	6,32794	1,78571	1759,3	246301	560
561	314721	176558481	23,6854	8,2475	6,32972	1,78253	1762,4	247181	561
562	315844	177504328	23,7065	8,2524	6,33150	1,77936	1765,6	248063	562
563	316969	178453547	23,7276	8,2573	6,33328	1,77620	1768,7	248947	563
564	318096	179406144	23,7487	8,2621	6,33505	1,77305	1771,9	249832	564
565	319225	180362125	23,7697	8,2670	6,33683	1,76991	1775,0	250719	565
566	320356	181321496	23,7908	8,2719	6,33859	1,76678	1778,1	251607	566
567	321489	182284263	23,8118	8,2768	6,34036	1,76367	1781,3	252497	567
568	322624	183250432	23,8328	8,2816	6,34212	1,76056	1784,4	253388	568
569	323761	184220009	23,8537	8,2865	6,34388	1,75747	1787,6	254281	569
570	324900	185193000	23,8747	8,2913	6,34564	1,75439	1790,7	255176	570
571	326041	186169411	23,8956	8,2962	6,34739	1,75131	1793,8	256072	571
572	327184	187149248	23,9165	8,3010	6,34914	1,74825	1797,0	256970	572
573	328329	188132517	23,9374	8,3059	6,35089	1,74520	1800,1	257869	573
574	329476	189119224	23,9583	8,3107	6,35263	1,74216	1803,5	258770	574
575	330625	190109375	23,9792	8,3155	6,35437	1,73913	1806,4	259672	575
576	331776	191102976	24,0000	8,3203	6,35611	1,73611	1809,6	260576	576
577	332929	192100033	24,0208	8,3251	6,35784	1,73310	1812,7	261482	577
578	334084	193100552	24,0416	8,3300	6,35957	1,73010	1815,8	262389	578
579	335241	194104539	24,0624	8,3348	6,36130	1,72712	1819,0	262398	579
580	336400	195112000	24,0832	8,3396	6,36303	1,72414	1822,1	264208	580
581	337561	196122941	24,1039	8,3443	6,36475	1,72117	1825,3	265120	581
582	338724	197137368	24,1247	8,3491	6,36647	1,71821	1828,4	266033	582
583	339889	198155287	24,1454	8,3539	6,36819	1,71527	1831,6	266948	583
584	341056	199176704	24,1661	8,3587	6,36990	1,71233	1834,7	267865	584
585	342225	200201625	24,1868	8,3634	6,37161	1,70940	1837,8	268783	585
586	343396	201230056	24,2074	8,3682	6,37332	1,70648	1841,0	269703	586
587	344569	202262003	24,2281	8,3730	6,37502	1,70358	1844,1	270624	587
588	345744	203297472	24,2487	8,3777	6,37673	1,70068	1847,3	271547	588
589	346921	204336469	24,2693	8,3825	6,37843	1,69779	1850,4	272471	589
590	348100	205379000	24,2899	8,3872	6,38012	1,69492	1853,5	273397	590
591	349281	206425071	24,3105	8,3919	6,38182	1,69205	1856,7	274325	591
592	350464	207474688	24,3311	8,3967	6,38351	1,68919	1859,8	275254	592
593	351649	208527857	24,3516	8,4014	6,38519	1,68634	1863,0	276184	593
594	352836	209584584	24,3721	8,4061	6,38688	1,68350	1866,1	277117	594
395	254025	210644875	24,3926	8,4108	6,38856	1,68067	1869,2	278051	595
596	355216	211708736	24,4131	8,4155	6,39024	1,67785	1872,4	278986	596
597	356409	212776173	24,4336	8,4202	6,39192	1,67504	1875,5	279923	597
598	357604	213847192	24,4540	8,4549	6,39359	1,67224	1878,7	280862	598
599	358801	214921799	24,4745	8,4296	6,39526	1,66945	1881,8	281802	599
600	360000	216000000	24,4949	8,4343	6,39693	1,66667	1885,0	282743	600

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Potenze, Radici, Logaritmi, Circonferenze, Aree di cerchi

n	n^2	n^3	$\sqrt{n}$	$\sqrt[3]{n}$	$\ln n$	$\frac{1000}{n}$	$\pi\, n$	$\frac{\pi\, n^2}{4}$	n
601	361201	217081801	24,5153	8,4390	6,39859	1,66389	1888,1	283687	601
602	362404	218167208	24,5357	8,4437	6,40026	1,66113	1891,2	284631	602
603	363609	219256227	24,5561	8,4484	6,40192	1,65837	1894,4	285578	603
604	364816	220348864	24,5764	8,4530	6,40357	1,65563	1897,5	286526	604
605	366025	221445125	24,5967	8,4577	6,40523	1,65289	1900,7	287475	605
606	367236	222545016	24,6171	8,4623	6,40688	1,65017	1903,8	288426	606
607	368449	223648543	24,6374	8,4670	6,40853	1,64745	1906,9	289379	607
608	369664	224755712	24,6577	8,4716	6,41017	1,64474	1910,1	290333	608
609	370881	225866529	24,6779	8,4763	6,41182	1,64204	1913,2	291289	609
610	372100	226981000	24,6982	8,4809	6,41346	1,63934	1916,4	292247	610
611	373321	228099131	24,7184	8,4856	6,41510	1,63666	1919,5	293206	611
612	374544	229220928	24,7386	8,4902	6,41673	1,63399	1922,7	294166	612
613	375769	230346397	24,7588	8,4948	6,41836	1,63132	1925,8	295128	613
614	376996	231475544	24,7790	8,4994	6,41999	1,62866	1928,9	296092	614
615	378225	232608375	24,7992	8,5040	6,42162	1,62602	1932,1	297057	615
616	379456	233744896	24,8193	8,5086	6,42325	1,62338	1935,2	298024	616
617	380689	234885113	24,8395	8,5132	6,42487	1,62075	1938,4	298992	617
618	381924	236029032	24,8596	8,5178	6,42649	1,61812	1941,5	299962	618
619	383161	237176659	24,8797	8,5224	6,42811	1,61551	1944,6	300934	619
620	384400	238328000	24,8998	8,5270	6,42972	1,61290	1947,8	301907	620
621	385641	239483061	24,9199	8,5316	6,43133	1,61031	1950,9	302882	621
622	386884	240641848	24,9399	8,5362	6,43294	1,60772	1954,1	303858	622
623	388129	241804367	24,9600	8,5408	6,43455	1,60514	1957,2	304836	623
624	389376	242970624	24,9800	8,5453	6,43615	1,60256	1960,4	305815	624
625	390625	244140625	25,0000	8,5499	6,43775	1,60000	1963,5	306796	625
626	391876	245314376	25,0200	8,5544	6,43935	1,59744	1966,6	307779	626
627	393129	246491883	25,0400	8,5590	6,44095	1,59490	1969,8	308763	627
628	394384	247673152	25,0599	8,5635	6,44254	1,59236	1972,9	309748	628
629	395641	248858189	25,0799	8,5681	6,44413	1,58983	1976,1	310736	629
630	396900	250047000	25,0998	8,5726	6,44572	1,58730	1979,2	311725	630
631	398161	251239591	25,1197	8,5772	6,44731	1,58479	1982,3	312715	631
632	399424	252435968	25,1396	8,5817	6,44889	1,58228	1985,5	313707	632
633	400689	253636137	25,1595	8,5862	6,45047	1,57978	1988,6	314700	633
634	401956	254840104	25,1794	8,5907	6,45205	1,57729	1991,8	315696	634
635	403225	256047875	25,1999	8,5952	6,45362	1,57480	1994,9	316692	635
636	404496	257259456	25,2190	8,5997	6,45520	1,57233	1998,1	317690	636
637	405769	258474853	25,2389	8,6043	6,45677	1,56986	2001,2	318690	637
638	407044	259694072	25,2587	8,6088	6,45834	1,56740	2004,3	319692	638
639	408321	260917119	25,2784	8,6132	6,45990	1,56495	2007,5	320695	639
640	409600	262144000	25,2982	8,6177	6,46147	1,56250	2010,6	321699	640
641	410881	263374721	25,3180	8,6222	6,46303	1,56006	2013,8	322705	641
642	412164	264609288	25,3377	8,6267	6,46459	1,55763	2016,9	323713	642
643	413449	265847707	25,3574	8,6312	6,46614	1,55521	2020,0	324722	643
644	414736	267089984	25,3772	8,6357	6,46770	1,55280	2023,2	325733	644
645	416025	268336125	25,3969	8,6401	6,46925	1,55039	2026,3	326745	645
646	417316	269566136	25,4165	8,6446	6,47080	1,54799	2029,5	327759	646
647	418609	270840023	25,4362	8,6490	6,47235	1,54560	2032,6	328775	647
648	419904	272097792	25,4558	8,6535	6,47389	1,54321	2035,8	329792	648
649	421201	273359449	25,4755	8,6579	6,47543	1,54083	2038,9	330810	649
650	422500	274625000	25,4951	8,6624	6,47697	1,53846	2042,0	331831	650

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Potenze, Radici, Logaritmi, Circonferenze, Aree di cerchi

n	n^2	n^3	$\sqrt{n}$	$\sqrt[3]{n}$	ln n	$\frac{1000}{n}$	$\pi\, n$	$\pi\, \frac{n^2}{4}$	n
651	423801	275894451	25,5147	8,6668	6,47851	1,53610	2045,2	332853	651
652	425104	277167808	25,5343	8,6713	6,48004	1,53374	2048,3	333876	652
653	426409	278445077	25,5539	8,6757	6,48158	1,53139	2051,5	334901	653
654	427716	279726264	25,5734	8,6801	6,48311	1,52905	2054,6	335927	654
655	429025	281011375	25,5930	8,6843	6,48464	1,52672	2057,7	336955	655
656	430336	282300416	25,6125	8,6890	6,48616	1,52439	2060,9	337985	656
657	431649	283593393	25,6320	8,6934	6,48768	1,52207	2064,0	339016	657
658	432964	284890312	25,6515	8,6978	6,48920	1,51976	2067,2	340049	658
659	434281	286191179	25,6710	8,7022	6,49072	1,51745	2070,3	341084	659
660	435600	287496000	25,6905	7,7066	6,49224	1,51515	2073,5	342119	660
661	436921	288804781	25,7099	8,7110	6,49375	1,51286	2076,6	343157	661
662	438244	290117528	25,7294	8,7154	6,49527	1,51057	2079,7	344196	662
663	439569	291434247	25,7488	8,7198	6,49677	1,50830	2082,9	345237	663
664	440896	292754944	25,7682	8,7241	6,49828	1,50602	2086,0	346279	664
665	442225	294079625	25,7876	8,7285	6,49979	1,50376	2089,2	347323	665
666	443556	295408296	25,8070	8,7329	6,50129	1,50150	2092,3	348368	666
667	444889	296740963	25,8263	8,7373	6,50279	1,49925	2095,4	349415	667
668	446224	298077632	25,8457	8,7416	6,50429	1,49701	2098,6	350464	668
669	446561	299418309	25,8650	8,7460	6,50578	1,49477	2101,7	351514	669
670	448900	300763000	25,8844	8,7503	6,50728	1,49254	2104,9	352565	670
671	450241	302111711	25,9037	8,7547	6,50877	1,49031	2108,0	353618	671
672	451584	303464448	25,9230	8,7590	6,51026	1,48810	2111,2	354673	672
673	452929	304821217	25,9422	8,7634	6,51175	1,48588	2114,3	355730	673
674	454276	306182024	26,9615	8,7677	6,51323	1,48368	2117,4	356788	674
675	455625	307546875	25,9808	8,7721	6,51471	1,48148	2120,6	357847	675
676	456976	308915776	26,0000	8,7764	6,51619	1,47929	2123,7	358908	676
677	458329	310288733	26,0192	8,7807	6,51767	1,47710	2126,9	359971	677
678	459684	311665752	26,0384	8,7850	6,51915	1,47493	2130,0	361035	678
679	461041	313046839	26,0576	8,7893	6,52062	1,47275	2133,1	362101	679
680	462400	314432000	26,0768	8,7937	6,52209	1,47059	2136,3	363168	680
681	463761	315821241	26,0960	8,7980	6,52356	1,46843	2139,4	364237	681
682	465124	317214568	26,1151	8,8023	6,52503	1,46628	2142,6	365308	682
683	466489	318611987	26,1343	8,8066	6,52649	1,46413	2145,7	366380	683
684	467856	320013504	26,1534	8,8109	6,52795	1,46199	2148,8	367453	684
685	469225	321419125	26,1725	8,8152	6,52942	1,45985	2152,0	368528	685
686	470596	322828856	26,1916	8,8194	6,53088	1,45773	2155,1	369605	686
687	471969	324242703	26,2107	8,8237	6,53233	1,45560	2158,3	370684	687
688	473344	325660672	26,2298	8,8280	6,53379	1,45349	2161,4	371764	688
689	474721	327082769	26,2488	8,8323	6,53524	1,45138	2164,6	372845	689
690	476100	328509000	26,2679	8,8366	6,53669	1,44928	2167,7	373928	690
691	477481	329939371	26,2869	8,8408	6,53814	1,44718	2170,8	375013	691
692	478864	331373888	26,3059	8,8451	6,53959	1,44509	2174,0	376099	692
693	480249	332812557	26,3249	8,8493	6,54103	1,44300	2177,1	377187	693
694	481636	334255384	26,3439	8,8536	6,54247	1,44092	2180,3	378276	694
695	483025	335702375	26,3629	8,8578	6,54391	1,43885	2183,4	379367	695
696	484416	337153536	26,3818	8,8621	6,54535	1,43678	2186,5	380459	696
697	485809	338608873	26,4008	8,8663	6,54679	1,43472	2189,7	381553	697
698	487204	3400683 2	26,4197	8,8706	6,54822	1,43266	2192,8	382649	698
699	488601	3415320 9	26,4386	8,8748	6,54965	1,43062	2197,0	383746	699
700	490000	343000000	26,4575	8,8790	6,55108	1,42857	2199,1	384845	700

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Potenze, Radici, Logaritmi, Circonferenze, Aree di cerchi

n	n^2	n^3	$\sqrt{n}$	$\sqrt[3]{n}$	$\ln n$	$\frac{1000}{n}$	πn	$\frac{\pi n^2}{4}$	n
701	491401	344472101	26,4764	8,8833	6,55251	1,42653	2202,3	385945	701
702	492804	345948408	26,4953	8,8875	6,55393	1,42450	2205,4	387047	702
703	494209	347428927	26,5141	8,8917	6,55536	1,42248	2208,5	388151	703
704	495616	348913664	26,5330	8,8959	6,55678	1,42045	2211,7	389256	704
705	497025	350402625	26,5518	8,9001	6,55820	1,41844	2214,8	390363	705
706	498436	351895816	26,5707	8,9043	6,55962	1,41643	2218,0	391471	706
707	499849	353393243	26,5895	8,9085	6,56103	1,41443	2221,1	392580	707
708	501264	354894912	26,6083	8,9127	6,56244	1,41243	2224,2	393692	708
709	502681	356400829	26,6271	8,9169	6,56386	1,41044	2227,4	394805	709
710	504100	357911000	26,6458	8,9211	6,56526	1,40845	2230,5	395919	710
711	505521	359425431	26,6646	8,9253	6,56667	1,40647	2233,7	397035	711
712	506944	360944128	26,6833	8,9295	6,56808	1,40449	2236,8	398153	712
713	508369	362467097	26,7021	8,9337	6,56948	1,40252	2240,0	399272	713
714	509796	363994344	26,7208	8,9378	6,57088	1,40056	2243,1	400393	714
715	511225	365525875	26,7395	8,9420	6,57228	1,39860	2246,2	401515	715
716	512656	367061696	26,7582	8,9462	6,57368	1,39665	2249,4	402639	617
717	514089	368601813	26,7769	8,9503	6,57508	1,39470	2252,5	403765	717
718	515524	370146232	26,7955	8,9545	6,57647	1,39276	2255,7	404892	718
719	516961	371694959	26,8142	8,9587	6,57786	1,39082	2258,8	406020	719
720	518400	373248000	26,8328	8,9628	6,57925	1,38889	2261,9	407150	720
721	519841	374805361	26,8514	8,9670	6,58064	1,38696	2265,1	408282	721
722	521284	376367048	26,8701	8,9711	6,58203	1,38504	2268,2	409415	722
723	522729	377933067	26,8887	8,9752	6,58341	1,38313	2271,4	410550	723
724	524176	379503424	26,9072	8,9794	6,58479	1,38122	2274,5	411687	724
725	525625	381078125	26,9258	8,9835	6,58617	1,37931	2277,1	412825	725
726	527076	382657176	26,9444	8,9876	6,58755	1,37741	2280,8	413965	726
727	528529	384240583	26,9629	8,9918	6,58893	1,37552	2283,9	415106	727
728	529984	385828352	26,9815	8,9959	6,59030	1,37363	2287,1	416248	728
729	531441	387420489	27,0000	9,0000	6,59167	1,37174	2290,1	417393	729
730	532900	389017000	27,0185	9,0041	6,59304	1,36986	2293,4	418539	730
731	534361	390617891	27,0370	9,0082	6,59441	1,36799	2296,5	419686	731
732	535824	392223168	27,0555	9,0123	6,59578	1,36612	2299,6	420835	732
733	537289	393832837	27,0740	9,0164	6,59715	1,36426	2302,8	421986	733
734	538756	395446904	27,0924	9,0205	6,59851	1,36240	2305,9	423138	734
735	540225	397065375	27,1109	9,0246	6,59987	1,36054	2309,1	424293	735
736	541696	398688256	27,1293	9,0287	6,60123	1,35870	2312,2	425447	736
737	543169	400315553	27,1477	9,0328	6,60259	1,35685	2315,4	426604	737
738	544644	401947272	27,1662	9,0369	6,60394	1,35501	2318,5	427762	738
739	546121	403583419	27,1846	9,0410	6,60530	1,35318	2321,6	428922	739
740	547600	405224000	27,2029	9,0450	6,60665	1,35135	2324,8	430084	740
741	549081	406869021	27,2213	9,0491	6,60800	1,34953	2327,9	431247	741
742	550564	408518488	27,2397	9,0532	6,60935	1,34771	2331,1	432412	742
743	552049	410172407	27,2580	9,0572	6,61070	1,34590	2334,2	433578	743
744	553536	411830784	27,2764	9,0613	6,61204	1,34409	2337,3	434746	744
745	555025	413493625	27,2947	9,0654	6,61338	1,34228	2340,5	435916	745
746	556516	415160936	27,3130	9,0694	6,61473	1,34048	2343,6	437087	746
747	558009	416832723	27,3313	9,0735	6,61607	1,33869	2346,8	438259	747
748	559504	418508992	27,3496	9,0775	6,61740	1,33690	2349,9	439433	748
749	561001	420189749	27,3679	9,0816	6,61874	1,33511	2353,1	440609	749
750	562500	421875000	27,3861	9,0856	6,62007	1,33333	2356,2	441786	750

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Potenze, Radici, Logaritmi, Circonferenze, Aree di cerchi

n	n^2	n^3	$\sqrt{n}$	$\sqrt[3]{n}$	$\ln n$	$\frac{1000}{n}$	$\pi\, n$	$\frac{\pi\, n^2}{4}$	n
751	564001	423564751	27,4044	9,0896	6,62141	1,33156	2359,3	442965	751
752	565504	425259008	27,4226	9,0937	6,62274	1,32979	2362,5	444146	752
753	567009	426957777	27,4408	9,0977	6,62407	1,32802	2365,6	445328	753
754	568516	428661064	27,4591	9,1017	6,62539	1,32626	2368,8	446511	754
755	570025	430368875	27,4773	9,1057	6,62672	1,32450	2371,9	447697	755
756	571536	432081216	27,4955	9,1098	6,62804	1,32275	2375,0	448883	756
757	573049	433798093	27,5136	9,1138	6,62936	1,32100	2378,2	450072	757
758	574564	435519512	27,5318	9,1178	6,63068	1,31926	2381,3	451262	758
759	576081	437245479	27,5500	9,1218	6,63200	1,31752	2384,5	452453	759
760	577600	438976000	27,5681	9,1258	6,63332	1,31579	2387,6	453646	760
761	579121	440711081	27,5862	9,1298	6,63463	1,31406	2390,8	454841	761
762	580644	442450728	27,6043	9,1338	6,63595	1,31234	2393,9	456037	762
763	582169	444194947	27,6225	9,1378	6,63726	1,31062	2397,0	457234	763
764	583696	445943744	27,6405	9,1418	6,63857	1,30890	2400,2	458434	764
765	585225	447697125	27,6586	9,1458	6,63988	1,30719	2403,3	459635	765
766	586756	449455096	27,6767	9,1498	6,64118	1,30548	2406,5	460837	766
767	588289	451217663	27,6948	9,1537	6,64249	1,30378	2409,6	462041	767
768	589824	452984832	27,7128	9,1577	6,64379	1,30208	2412,7	463247	768
769	591361	454756609	27,7308	9,1617	6,64509	1,30039	2415,9	464454	769
770	692900	456533000	27,7489	9,1657	6,64639	1,29870	2419,0	465663	770
771	594441	458314011	27,7669	9,1696	6,64769	1,29702	2422,2	466873	771
772	595984	460099648	27,7849	9,1736	6,64898	1,29534	2425,3	468085	772
773	597529	461889917	27,8029	9,1775	6,65028	1,29366	2428,5	469298	773
774	599076	463684824	27,8209	9,1815	6,65157	1,29199	2431,6	470513	774
775	600625	465484375	27,8388	9,1855	6,65286	1,29032	2434,7	471730	775
776	602176	467288576	27,8568	9,1894	6,65415	1,28866	2437,9	472948	776
777	603729	469097433	27,8747	9,1933	6,65544	1,28700	2441,0	474168	777
778	605284	470910952	27,8927	9,1973	6,65673	1,28535	2444,2	475389	778
779	606841	472729139	27,9106	9,2012	6,65801	1,28370	2447,3	476612	779
780	608400	474552000	27,9285	9,2052	6,65929	1,28205	2450,4	477836	780
781	609961	476379541	27,9464	9,2091	6,66058	1,28041	2453,6	479062	781
782	611524	478211768	27,9643	9,2130	6,66185	1,27877	2456,7	480290	782
783	613089	480048687	27,9821	9,2170	6,66313	1,27714	2459,9	481519	783
784	614656	481890304	28,0000	9,2209	6,66441	1,27551	2463,0	482750	784
785	616225	483736625	28,0179	9,2248	6,66568	1,27389	2466,2	483982	785
786	677796	485587656	28,0357	9,2287	6,66696	1,27226	2469,3	485216	786
787	619369	487443403	28,0535	9,2326	6,66823	1,27065	2472,4	486451	787
788	620944	489303872	28,0713	9,2365	6,66950	1,26904	2475,6	487688	788
789	622521	491169069	28,0891	9,2404	6,67077	1,26743	2478,7	488927	789
790	624100	493039000	28,1069	9,2443	6,67203	1,26582	2481,9	490167	790
791	625681	494913671	28,1247	9,2482	6,67330	1,26422	2485,0	491409	791
792	627264	496793088	28,1425	9,2521	6,67456	1,26263	2488,1	492652	792
793	628849	498677257	28,1603	9,2560	6,67582	1,26103	2491,2	493897	793
794	630436	500566184	28,1780	9,2599	6,67708	1,25945	2494,4	495143	794
795	632025	502459875	28,1957	9,2638	6,67834	1,25786	2497,6	496391	795
796	633616	504358336	28,2135	9,2677	6,67960	1,25628	2500,7	497641	796
797	635209	506261573	28,2312	9,2716	6,68085	1,25471	2503,8	498892	797
798	636804	508169592	28,2489	9,2754	6,68211	1,25313	2507,0	500145	798
799	638401	510082399	28,2666	9,2793	6,68336	1,25156	2510,1	501399	799
800	640000	512000000	28,2843	9,2832	6,68461	1,25000	2513,3	502655	800

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Potenze, Radici, Logaritmi, Circonferenze, Aree di cerchi

n	n^2	n^3	$\sqrt{n}$	$\sqrt[3]{n}$	$\ln n$	$\frac{1000}{n}$	$\pi\, n$	$\frac{\pi\, n^2}{4}$	n
801	641601	513922401	28,3019	9,2870	6,68586	1,24844	2516,4	503912	801
802	643204	515849608	28,3196	9,2909	6,68711	1,24688	2519,6	505171	802
803	644809	517781627	28,3373	9,2948	6,68835	1,24533	2522,7	506432	803
804	646416	519718464	28,3549	9,2986	6,68960	1,24378	2525,8	507694	804
805	648025	521660125	28,3725	9,3025	6,69084	1,24224	2529,0	508958	805
806	649636	523606616	28,3901	9,3063	6,69208	1,24069	2532,1	510223	806
807	651249	525557943	28,4077	9,3102	6,69332	1,23916	2535,3	511490	807
808	652864	527514112	28,4253	9,3140	6,69456	1,23762	2538,4	512758	808
809	654481	529475129	28,4429	9,3179	6,69580	1,23609	2541,5	514028	809
810	656100	531441000	28,4605	9,3217	6,69703	1,23457	2544,7	515300	810
811	657721	533411731	28,4781	9,3255	6,69827	1,23305	2547,8	516573	811
812	659344	535387328	28,4956	9,3294	6,69950	1,23153	2551,0	517848	812
813	660969	537367797	28,5132	9,3332	6,70073	1,23001	2554,1	519124	813
814	662596	539353144	28,5307	9,3370	6,70196	1,22850	2557,3	520402	814
815	664225	541343375	28,5482	9,3408	6,70319	1,22699	2560,4	521681	815
816	665856	543338496	28,5657	9,3447	6,70441	1,22549	2563,5	522962	816
817	667489	545338513	28,5832	9,3485	6,70564	1,22399	2566,7	524245	817
818	669124	547343432	28,6007	9,3523	6,70686	1,22249	2569,8	525529	818
819	670761	549353259	28,6182	9,3561	6,70808	1,22100	2573,0	526814	819
820	672400	551368000	28,6356	9,3599	6,70930	1,21951	2576,1	528102	820
821	674041	553387661	28,6531	9,3637	6,71052	1,21803	2579,2	529391	821
822	675684	555412248	28,6705	9,3675	6,71174	1,21655	2582,4	530681	822
823	677329	557441767	28,6880	9,3713	6,71296	1,21507	2585,5	531973	823
824	678976	559476224	28,7054	9,3751	6,71417	1,21359	2588,7	533267	824
825	680625	561515625	28,7228	9,3789	6,71538	1,21212	2591,8	534562	825
826	682276	563559976	28,7402	6,3827	6,71659	1,21065	2595,0	535858	826
827	683929	565609283	28,7576	9,3865	6,71780	1,20919	2598,1	537157	827
828	685584	567663552	28,7750	9,3902	6,71901	1,20773	2601,2	538456	828
829	687241	569722789	28,7924	9,3940	6,72022	1,20627	2604,4	539758	829
830	688900	571787000	28,8097	9,3978	6,72143	1,20482	2607,5	541061	830
831	690561	573856191	28,8271	9,4016	6,72263	1,20337	2610,7	542365	831
832	692224	575930368	28,8444	9,4053	6,72383	1,20192	2613,8	543671	832
833	693889	578009537	28,8617	9,4091	6,72503	1,20048	2616,9	544979	833
834	695556	580093704	28,8791	9,4129	6,72623	1,19904	2620,1	546288	834
835	697225	582182875	28,8964	9,4166	6,72743	1,19760	2623,2	547599	835
836	698896	584277056	28,9137	9,4204	6,72863	1,19617	2626,4	548912	836
837	700569	586376253	28,9310	9,4241	6,72982	1,19474	2629,5	550226	837
838	702244	588480472	28,9482	9,4279	6,73102	1,19332	2632,7	551541	838
839	703921	590589719	28,9655	9,4316	6,73221	1,19190	2635,8	552858	839
840	705600	592704000	28,9828	9,4354	6,73340	1,19048	2638,9	554177	840
841	707281	594823321	29,0000	9,4391	6,73459	1,18906	2642,1	555497	841
842	708964	596947688	29,0172	9,4429	6,73578	1,18765	2645,2	556819	842
843	710649	599077107	29,0345	9,4466	6,73697	1,18624	2648,4	558142	843
844	712336	601211584	29,0517	9,4503	6,73815	1,18483	2651,5	559467	844
845	714025	603351125	29,0689	9,4541	6,73934	1,18343	2654,6	560794	845
846	715716	605495736	29,0861	9,4578	6,74052	1,18203	2657,8	562122	846
847	717409	607645423	29,1033	9,4615	6,74170	1,18064	2660,9	563452	847
848	719104	609800192	29,1204	9,4652	6,74288	1,17925	2664,1	564783	848
849	720801	611960049	29,1376	9,4690	6,74406	1,17786	2667,2	566116	849
850	722500	614125000	29,1548	9,4727	6,74524	1,77647	2670,4	567450	850

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Potenze, Radici, Logaritmi, Circonferenze, Aree di cerchi

n	n^2	n^3	$\sqrt{n}$	$\sqrt[3]{n}$	ln n	$\frac{1000}{n}$	$\pi\, n$	$\frac{\pi\, n^2}{4}$	n
851	724201	616295051	29,1719	9,4764	6,74641	1,17509	2673,5	568786	851
852	725904	618470208	29,1890	9,4801	6,74759	1,17371	2676,6	570124	852
853	727609	620650477	29,2062	9,4838	6,74876	1,17233	2679,8	571463	853
854	729316	622835864	29,2233	9,4875	6,74993	1,17096	2682,9	572803	854
855	731025	625026375	29,2404	9,4912	6,75110	1,16959	2686,1	574146	855
856	732736	627222016	29,2575	9,4949	6,75227	1,16822	2689,2	575490	856
857	734449	629422793	29,2746	9,4986	6,75344	1,16686	2692,3	576835	857
858	736164	631628712	29,2916	9,5023	6,75460	1,16550	2695,5	578182	858
859	737881	633839779	29,3087	9,5060	6,75577	1,16414	2698,6	579530	859
860	739600	636056000	29,3258	9,5097	6,75693	1,16279	2701,8	580880	860
861	741321	638277381	29,3428	9,5134	6,75809	1,16144	2704,9	582232	861
862	743044	640503928	29,3598	9,5171	6,75926	1,16009	2708,1	583585	862
863	744769	642735647	29,3769	9,5207	6,76041	1,15875	2711,2	584940	863
864	746496	644972544	29,3939	9,5244	6,76157	1,15741	2714,3	586297	864
865	748225	647214625	29,4109	9,5281	6,76273	1,15607	2717,5	587655	865
866	749956	649461896	29,4279	9,5317	6,76388	1,15473	2720,6	589014	866
867	751689	651714363	29,4449	9,5354	6,76504	1,15340	2723,8	590375	867
868	753424	653972032	29,4618	9,5391	6,76619	1,15207	2726,9	591738	868
869	755161	656234909	29,4788	9,5427	6,76734	1,15075	2730,0	593102	869
870	756900	658503000	29,4958	9,5464	6,76849	1,14943	2733,2	594468	870
871	758641	660776311	29,5127	9,5501	6,76964	1,14811	2736,3	595835	871
872	760384	663054848	29,5296	9,5537	6,77079	1,14679	2739,5	597204	872
873	762129	665338617	29,5466	9,5574	6,77194	1,14548	2742,6	598575	873
874	763876	667627624	29,5635	9,5610	6,77308	1,14416	2745,8	599947	874
875	765625	669921875	29,5804	9,5647	6,77422	1,14286	2748,9	601320	875
876	767376	672221376	29,5973	9,5683	6,77537	1,14155	2752,0	602696	876
877	769129	674526133	29,6142	9,5719	6,77651	1,14025	2755,2	604073	877
878	770884	676836152	29,6311	9,5756	6,77765	1,13895	2758,3	605451	878
879	772641	679151439	29,6479	9,5792	6,77878	1,13766	2761,5	606831	879
880	774400	681472000	29,6648	9,5828	6,77992	1,13636	2764,6	608212	880
881	776161	683797841	29,6816	9,5865	6,78106	1,13507	2767,7	609595	881
882	777924	686128968	29,6985	9,5901	6,78219	1,13379	2770,9	610980	882
883	779689	688465387	29,7153	9,5937	6,78333	1,13250	2774,0	612366	883
884	781456	690807104	29,7321	9,5973	6,78446	1,13122	2777,2	613754	884
885	783225	693154125	29,7489	9,6010	6,78559	1,12994	2780,3	615143	885
886	784996	695506456	29,7658	9,6046	6,78672	1,12867	2783,5	616534	886
887	786769	697864103	29,7825	9,6082	6,78784	1,12740	2786,6	617927	887
888	788544	700227072	29,7993	9,6118	6,78897	1,12613	2789,7	619321	888
889	790321	702595369	29,8161	9,6154	6,79010	1,12486	2792,9	620717	889
890	792100	704969000	29,8329	9,6190	6,79122	1,12360	2796,0	622114	890
891	793881	707347971	29,8496	9,6226	6,79234	1,12233	2799,2	623513	891
892	795664	709732288	29,8664	9,6262	6,79347	1,12108	2802,3	624913	892
893	797449	712121957	29,8831	9,6298	6,79459	1,11982	2805,4	626315	893
894	799236	714516984	29,8998	9,6334	6,79571	1,11857	2808,6	627718	894
895	801025	716917375	29,9166	9,6370	6,79682	1,11732	2811,7	629124	895
896	802816	719323136	29,9333	9,6406	6,79794	1,11607	2814,9	630530	896
897	804609	721734273	29,9500	9,6442	6,79906	1,11483	2818,0	631938	897
898	806404	724150792	29,9666	9,6477	6,80017	1,11359	2821,2	633348	898
899	808201	726572699	29,9833	9,6513	6,80128	1,11235	2824,3	634760	899
900	810000	729000000	30,0000	9,6549	6,80239	1,11111	2827,4	636173	900

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Potenze, Radici, Logaritmi, Circonferenze, Aree di cerchi

n	n^2	n^3	$\sqrt{n}$	$\sqrt[3]{n}$	ln n	$\frac{1000}{n}$	$\pi\, n$	$\frac{\pi\, n^2}{4}$	n
901	811801	731432701	30,0167	9,6585	6,80351	1,10988	2830,6	637587	901
902	813604	733870808	30,0333	9,6620	6,80461	1,10865	2833,7	639003	902
903	815409	736314327	30,0500	9,6656	6,80572	1,10742	2836,9	640421	903
904	817216	738763264	30,0666	9,6692	6,80683	1,10619	2840,0	641840	904
905	819025	741217625	30,0832	9,6727	6,80793	1,10497	2843,1	643261	905
906	820836	743677416	30,0998	9,6763	6,80904	1,10375	2846,3	644683	906
907	822649	746142643	30,1164	9,6799	6,81014	1,10254	2849,4	646107	907
908	824464	748613312	30,1330	9,6834	6,81124	1,10132	2852,6	647533	908
909	826281	751089429	30,1496	9,6870	6,81235	1,10011	2855,7	648960	909
910	828100	753571000	30,1662	9,6905	6,81344	1,09890	2858,8	650388	910
911	829921	756058031	30,1828	9,6941	6,81454	1,09769	2862,0	651818	911
912	831744	758550528	30,1993	9,6976	6,81564	1,09649	2865,1	653250	912
913	833569	761048497	30,2159	9,7012	6,81674	1,09529	2868,3	654684	913
914	835396	763551944	30,2324	9,7047	6,81783	1,09409	2871,4	656118	914
915	837225	766060875	30,2490	9,7082	6,81892	1,09290	2874,6	657555	915
916	839056	768575296	30,2655	9,7118	6,82002	1,09170	2877,7	658993	916
917	840889	771095213	30,2820	9,7153	6,82111	1,09051	2880,8	660433	917
918	842724	773620632	30,2985	9,7188	6,82220	1,08932	2884,0	661874	918
919	844561	776151559	30,3150	9,7224	6,82329	1,08814	2887,1	663317	919
920	846400	778688000	30,3315	9,7259	6,82437	1,08696	2890,3	664761	920
921	848241	781229961	30,3480	9,7294	6,82546	1,08578	2893,4	666207	921
922	850084	783777448	30,3645	9,7329	6,82655	1,08460	2896,5	667654	922
923	851929	986330467	30,3809	9,7364	6,82763	1,08342	2899,7	669103	923
924	853776	788889024	30,3974	9,7400	6,82871	1,08225	2902,8	670554	924
925	855625	791453125	30,4138	9,7435	6,82979	1,08108	2906,0	672006	925
926	857476	794022776	30,4302	9,7470	6,83087	1,07991	2909,1	673460	926
927	859329	796597983	30,4467	9,7505	6,83195	1,07875	2912,3	674915	927
928	861184	799178752	30,4631	9,7540	6,83303	1,07759	2915,4	676372	928
929	863041	801765089	30,4795	9,7575	6,83411	1,07643	2918,5	677831	929
930	864900	804357000	30,4959	9,7610	6,83518	1,07527	2921,7	679291	930
931	866761	806954491	30,5123	9,7645	6,83626	1,07411	2924,8	680752	931
932	868624	809557568	30,5287	9,7680	6,83733	1,07296	2928,0	682216	932
933	870489	812166237	30,5450	9,7715	6,83841	1,07181	2931,1	683680	933
934	872356	814780504	30,5614	9,7750	6,83948	1,07066	2934,2	685147	934
935	874225	817400375	30,5778	9,7785	6,84055	1,06952	2937,4	686615	935
936	876096	820025856	30,5941	9,7819	6,84162	1,06838	2940,5	688084	936
937	877969	822656953	30,6105	9,7854	6,84268	1,06724	2943,7	689555	937
938	879844	825293662	30,6268	9,7889	6,84375	1,06610	2946,8	691028	938
939	881721	827936019	30,6431	9,7924	6,84482	1,06496	2950,0	692502	939
940	883600	830584000	30,6594	9,7959	6,84588	1,06383	2953,1	693978	940
941	885481	833237621	30,6757	9,7993	6,84694	1,06270	2956,2	695455	941
942	887364	835896888	30,6920	9,8028	6,84801	1,06157	2959,4	696934	942
943	889249	838561807	30,7083	9,8063	6,84907	1,06045	2962,5	698415	943
944	891136	841232384	30,7246	9,8097	6,85013	1,05932	2965,7	699897	944
945	893025	843908625	30,7409	9,8132	6,85118	1,05820	2968,8	701380	945
946	894916	846590536	30,7571	9,8167	6,85224	1,05708	2971,9	702865	946
947	896809	849278123	30,7734	9,8201	6,85330	1,05597	2975,1	704352	947
948	898704	851971392	30,7896	9,8236	6,85435	1,05485	2978,2	705840	948
949	900601	854670349	30,8058	9,8270	6,85541	1,05374	2981,4	707330	949
950	902500	857375000	30,8221	9,8305	6,85646	1,05263	2984,5	708822	950

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Potenze, Radici, Logaritmi, Circonferenze, Aree di cerchi

n	n^2	n^3	$\sqrt{n}$	$\sqrt[3]{n}$	$\ln n$	$\frac{1000}{n}$	πn	$\frac{\pi n^2}{4}$	n
951	904401	860085351	30,8383	9,8339	6,85751	1,05152	2987,7	710315	951
952	906304	862801408	30,8545	9,8374	6,85857	1,05042	2990,8	711869	952
953	908209	865523177	30,8707	9,8408	6,85961	1,04932	2993,9	713306	953
954	910116	868250664	30,8869	9,8443	6,86066	1,04822	2997,1	714803	954
955	912025	870983875	30,9031	9,8477	6,86171	1,04712	3000,2	716303	955
956	913936	873722816	30,9192	9,8511	6,86276	1,04603	3003,4	717804	956
957	915849	876467493	30,9354	9,8546	6,86380	1,04493	3006,5	719306	957
958	917764	879217912	30,9516	9,8580	6,86485	1,04384	3009,6	720810	958
959	919681	881974079	30,9677	9,8614	6,86589	1,04275	3012,8	722316	959
960	921606	884736000	30,9839	9,8648	6,86693	1,04167	3015,9	723823	960
961	923521	887503681	31,0000	9,8683	6,86797	1,04058	3019,1	725332	961
962	925444	890277128	31,0161	9,8717	6,86901	1,03950	3022,2	726842	962
963	927369	893056347	31,0322	9,8751	6,87005	1,03842	3025,4	728354	963
964	929296	895841344	31,0483	9,8785	6,87109	1,03734	3028,5	729867	964
965	931225	898632125	31,0644	9,8819	6,87213	1,03627	3031,6	731382	965
966	933156	901428696	31,0805	9,8854	6,87316	1,03520	3034,8	732899	966
967	935089	904231063	31,0966	9,8888	6,87420	1,03413	3037,9	734417	967
968	937024	907039232	31,1127	9,8922	6,87523	1,03306	3041,1	735937	968
969	938961	909853209	31,1288	9,8956	6,87626	1,03199	3044,2	737458	969
970	940900	912673000	31,1448	9,8990	6,87730	1,03093	3047,3	738981	970
971	942841	915498611	31,1609	9,9024	6,87833	1,02987	3050,5	740506	971
972	944784	918330048	31,1769	9,9058	6,87936	1,02881	3053,6	742032	972
973	946729	921167317	31,1929	9,9092	6,88038	1,02775	3056,8	743559	973
974	948676	924010424	31,2090	9,9126	6,88141	1,02669	3059,9	745088	974
675	950625	926859375	31,2250	9,9160	6,88244	1,02564	3063,1	746619	975
976	952576	929714176	31,2410	9,9194	6,88346	1,02459	3066,2	748151	976
977	954529	932574833	31,2570	9,9227	6,88449	1,02354	3069,3	749685	977
978	956484	935441352	31,2730	9,9261	6,88551	1,02249	3072,5	751221	978
979	958441	938313739	31,2890	9,9295	6,88653	1,02145	3075,6	752758	979
980	960400	941192000	31,3050	9,9329	6,88755	1,02041	3078,8	754296	980
981	962361	944076141	31,3209	9,9363	6,88857	1,01937	3081,9	755837	981
982	964324	946966168	31,3369	9,9396	6,88959	1,01833	3085,0	757378	982
983	966289	949862087	31,3528	9,9430	6,89061	1,01729	3088,2	758922	983
984	968256	952763904	31,3688	9,9464	6,89163	1,01626	3091,3	760466	984
985	970225	955671625	31,3847	9,9497	6,89264	1,01523	3094,5	762013	985
986	972196	958585256	31,4006	9,9531	6,89366	1,01420	3097,6	763561	986
987	974169	961504803	31,4166	9,9565	6,89467	1,01317	3100,8	765111	987
988	976144	964430272	31,4325	9,9598	6,89568	1,01215	3103,9	766662	988
989	978121	967361669	31,4484	9,9632	6,89669	1,01112	3107,0	768214	899
990	980100	970299000	31,4643	9,9666	6,89770	1,01010	3110,2	769769	990
991	982081	973242271	31,4802	9,9699	6,89871	1,00908	3113,3	771325	991
992	984064	976191488	31,4960	9,9733	6,89972	1,00806	3116,5	772882	992
993	986049	979146657	31,5119	9,9766	6,90073	1,00705	3119,6	774441	993
994	988036	982107784	31,5278	9,9800	6,90174	1,00604	3122,7	776002	994
995	990025	985074875	31,5436	9,9833	6,90274	1,00503	3125,9	777564	995
996	992016	988047936	31,5595	9,9866	6,90375	1,00402	3129,0	779128	996
997	994009	991026973	31,5753	9,9900	6,90475	1,00301	3132,2	780693	997
998	996004	994011992	31,5911	9,9933	6,90575	1,00200	3135,3	782260	998
999	998001	997002999	31,6070	9,9967	6,90675	1,00100	3138,5	783828	999
1000	1000000	1000000000	31,6228	10,0000	6,90776	1,00000	3141,6	785398	1000

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Potenze, Radici, Logaritmi, Circonferenze, Aree di cerchi

n	n^2	n^3	$\sqrt{n}$	$\sqrt[3]{n}$	$\ln n$	$\frac{1000}{n}$	$\pi\, n$	$\frac{\pi\, n^2}{4}$	n
1001	1002001	1003003001	31,6386	10,0033	6,90875	0,99900	3144,7	786970	1001
1002	1004004	1006012008	31,6544	10,0067	6,90975	0,99800	3147,9	788543	1002
1003	1006009	1009027027	31,6702	10,0100	6,91075	0,99701	3151,0	790118	1003
1004	1008016	1012048064	31,6860	10,0133	6,91175	0,99602	3154,2	791694	1004
1005	1010025	1015075125	31,7017	10,0166	6,91275	0,99502	3157,3	793272	1005
1006	1012036	1018108216	31,7175	10,0200	6,91374	0,99404	3160,4	794851	1006
1007	1014049	1021147343	31,7333	10,0233	6,91474	0,99305	3163,6	796432	1007
1008	1016064	1024192512	31,7490	10,0266	6,91573	0,99206	3166,7	798015	1008
1009	1018081	1027243729	31,7648	10,0299	6,91672	0,99108	3169,9	799599	1009
1010	1020100	1030301000	31,7805	10,0332	6,91771	0,99010	3173,0	801184	1110
1011	1022121	1033364331	31,7962	10,0365	6,91869	0,98912	2176,2	802772	1011
1012	1024144	1036433728	31,8119	10,0398	6,91968	0,98814	3179,3	804361	1012
1013	1026169	1039509197	31,8277	10,0431	6,92067	0,98717	3182,4	805951	1013
1014	1028196	1042590744	31,8434	10,0465	6,92166	0,98619	3185,6	807543	1014
1015	1030225	1045678375	31,8591	10,0498	6,92264	0,98522	3188,7	809137	1015
1016	1032256	1048772096	31,8748	10,0531	6,92363	0,98425	3191,9	810732	1016
1017	1034289	1051871913	31,8904	10,0563	6,92461	0,98328	3195,0	812329	1017
1018	1036324	1054977832	31,9061	10,0596	6,92559	0,98232	3198,1	813927	1018
1019	1038361	1058089859	31,9218	10,0629	6,92658	0,98135	3201,3	815527	1019
1020	1040400	1061208000	31,9374	10,0662	6,92756	0,98039	3204,4	817128	1020
1021	1042441	1064332261	31,9531	10,0695	6,92854	0,97943	3207,6	818731	1021
1022	1044484	1067462648	31,9687	10,0728	6,92952	0,97847	3210,7	820336	1022
1023	1046529	1070599167	31,9844	10,0761	6,93049	0,97752	3213,9	821942	1023
1024	1048576	1073741824	32,0000	10,0794	6,93147	0,97656	3217,0	823549	1024
1025	1050625	1076890625	32,0156	10,0826	6,93245	0,97561	3220,1	825159	1025
1026	1052676	1080045576	32,0312	10,0859	9,93342	0,97466	3223,3	826770	1026
1027	1054729	1083206683	32,0468	10,0892	6,93440	0,97371	3226,4	828382	1027
1028	1056784	1086373952	32,0624	10,0925	6,93537	0,97276	3229,6	829996	1028
1029	1058841	1089547389	32,0780	10,0957	6,93634	0,97182	3232,7	831612	1029
1030	1060900	1092727000	32,0936	10,0990	6,93731	0,97087	3235,8	833229	1030
1031	1062961	1095912791	32,1092	10,1023	6,93828	0,96993	3239,0	834847	1031
1032	1065024	1099104768	32,1248	10,1055	6,93925	0,96899	3242,1	836468	1032
1033	1067089	1102302937	32,1403	10,1088	6,94022	0,96805	3245,3	838090	1033
1034	1069156	1105507304	32,1559	10,1121	6,94119	0,96712	3248,4	839713	1034
1035	1071225	1108717875	32,1714	10,1153	6,94216	0,96618	3251,5	841338	1035
1036	1073296	1111934656	32,1870	10,1186	6,94312	0,96525	3254,7	842965	1036
1037	1075369	1115157653	32,2025	10,1218	6,94409	0,96432	3257,8	844593	1037
1038	1077444	1118386872	32,2180	10,1251	6,94505	0,96339	3261,0	846222	1038
1039	1079521	1121622319	32,2335	10,1283	6,94601	0,96246	3264,1	847854	1039
1040	1081600	1124864000	32,2490	10,1316	6,94698	0,96154	3267,3	849487	1040
1041	1083681	1128111921	32,2645	10,1348	6,94794	0,96061	3270,4	851121	1041
1042	1085764	1131366088	32,2800	10,1381	6,94890	0,95969	3273,5	852757	1042
1043	1087849	1134626507	32,2955	10,1413	6,94986	0,95877	3276,7	854394	1043
1044	1089936	1137893184	32,3110	10,1446	6,95081	0,95785	3279,8	856034	1044
1045	1092025	1141166125	32,3265	10,1478	6,95177	0,95694	3283,0	857674	1045
1046	1094116	1144445336	32,3419	10,1510	6,95273	0,95602	3286,1	859317	1046
1047	1096209	1147730823	32,3574	10,1543	6,95368	0,95511	3289,2	860960	1047
1048	1098304	1151022592	32,3728	10,1575	6,95464	0,95420	3292,4	862606	1048
1049	1100401	1154320649	32,3883	10,1607	6,95559	0,95329	3295,5	864253	1049
1050	1102500	1157625000	32,4037	10,1640	6,95655	0,95238	3298,7	865901	1050

seguito TABELLA 30

Potenze, Radici, Logaritmi, Circonferenze, Aree di cerchi

n	n^2	n^3	$\sqrt{n}$	$\sqrt[3]{n}$	ln n	$\frac{1000}{n}$	$\pi\, n$	$\frac{\pi\, n^2}{4}$	n
1051	1104601	1160935651	32,4191	10,1672	6,95750	0,95147	3301,8	867551	1051
1052	1106704	1164252608	32,4345	10,1704	6,95845	0,95057	3305,0	869203	1052
1053	1108809	1167575877	32,4500	10,1736	6,95940	0,94967	3308,1	870856	1053
1054	1110916	1170905464	32,4654	10,1769	6,96035	0,94877	3311,2	872511	1054
1055	1113025	1174241375	32,4808	10,1801	6,96130	0,94787	3314,4	874168	1055
1056	1115136	1177583616	32,4962	10,1833	6,96224	0,94697	3317,5	875826	1056
1057	1117249	1180932193	32,5115	10,1865	6,96319	0,94607	3320,7	877485	1057
1058	1119364	1184287112	32,5269	10,1897	6,96414	0,94518	3323,8	879146	1058
1059	1121481	1187648379	32,5423	10,1929	6,96508	0,94429	3326,9	880809	1059
1060	1123600	1191016000	32,5576	10,1961	6,96602	0,94340	3330,1	882473	1060
1061	1125721	1194389981	32,5730	10,1993	6,96697	0,94251	3333,2	884139	1061
1062	1127844	1197770328	32,5883	10,2025	6,96791	0,94162	3336,4	885806	1062
1063	1129969	1201157047	32,6037	10,2057	6,96885	0,94073	3339,5	887475	1063
1064	1132096	1204550144	32,6190	10,2089	6,96979	0,93985	3342,7	889146	1064
1065	1134225	1207949625	32,6343	10,2121	6,97073	0,93897	3345,8	890218	1065
1066	1136356	1211355496	32,6497	10,2153	6,97167	0,93809	3348,9	892492	1066
1067	1138489	1214767763	32,6650	10,2185	6,97261	0,93721	3352,1	894167	1067
1068	1140624	1218186432	32,6803	10,2217	6,97354	0,93633	3355,2	895843	1068
1069	1142761	1221611509	32,6956	10,2249	6,97448	0,93545	3358,4	897522	1069
1070	1144900	1225043000	32,7109	10,2281	6,97541	0,93458	3361,5	899202	1070
1071	1147041	1228480911	32,7261	10,2313	6,97635	0,93371	3364,6	900884	1071
1072	1149184	1231925248	32,7414	10,2345	6,97728	0,93284	3367,8	902567	1072
1073	1151329	1235376017	32,7567	10,2376	6,97821	0,93197	3370,9	904251	1073
1074	1153476	1238833224	32,7719	10,2408	6,97911	0,93110	3374,1	905938	1074
1075	1155625	1242296875	32,7872	10,2440	6,98008	0,93023	3377,2	907626	1075
1076	1157776	1245766976	32,8024	10,2472	6,98101	0,92937	3380,4	909315	1076
1077	1159929	1249243533	32,8177	10,2503	6,98193	0,92851	3383,5	911006	1077
1078	1162084	1252726552	32,8329	10,2535	6,98286	0,92764	3386,6	912698	1078
1079	1164241	1256216039	32,8481	10,2567	6,98379	0,92678	3389,8	914392	1079
1080	1166400	1259712000	32,8634	10,2599	6,98472	0,92593	3392,9	916088	1080
1081	1168561	1263214441	32,8786	10,2630	6,98564	0,92507	3396,1	917785	1081
1082	1170724	1266723368	32,8938	10,2662	6,98657	0,92421	3399,2	919484	1082
1083	1172889	1270238787	32,9090	10,2693	6,98749	0,92336	3402,3	921185	1083
1084	1175056	1273760704	32,9242	10,2725	6,98841	0,92251	3405,5	922887	1084
1085	1177225	1277289125	32,9393	10,2757	6,98933	0,92166	3408,6	924590	1085
1086	1179396	1280824056	32,9545	10,2788	6,99026	0,92081	3411,8	926295	1086
1087	1181569	1284365503	32,9697	10,2820	6,99118	0,91996	3414,9	928002	1087
1088	1183744	1287913472	32,9848	10,2851	6,99210	0,91912	3418,1	929710	1088
1089	1185921	1291467969	33,0000	10,2883	6,99301	0,91827	3421,2	931420	1089
1090	1188100	1295029000	33,0151	10,2914	6,99393	0,91743	3424,3	933131	1090
1091	1190281	1298596571	33,0303	10,2946	6,99485	0,91659	3427,5	934844	1091
1092	1192464	1302170688	33,0454	10,2977	6,99577	0,91575	3430,6	936559	1092
1093	1194649	1305751357	33,0606	10,3009	6,99668	0,91491	3433,8	938275	1093
1094	1196836	1309338584	33,0757	10,3040	6,99760	0,91408	3436,9	939993	1094
1095	1199025	1312932375	33,0908	10,3071	6,99851	0,91324	3440,0	941712	1095
1096	1201216	1316532736	33,1059	10,3103	6,99942	0,91240	3443,2	943433	1086
1097	1203409	1320139673	33,1210	10,3134	7,00033	0,91158	3446,3	945155	1097
1098	1205604	1323753192	33,1361	10,3165	7,00125	0,91075	3449,5	946879	1098
1099	1207801	1327373299	33,1512	10,3197	7,00216	0,90992	3452,6	948604	1099
1100	1210000	1331000000	33,1662	10,3228	7,00307	0,90909	3455,8	950332	1100

TABELLA 31

Valori delle Mantisse dei logaritmi volgari o di Brigg

n	0	1	2	3	4	5	6	7	8	9
100	00000	00043	00087	00130	00173	00217	00260	00303	00346	00389
101	00432	00475	00518	00561	00604	00647	00689	00732	00775	00817
102	00860	00903	00945	00988	01030	01072	01115	01157	01199	01242
103	01284	01326	01368	01410	01452	01494	01536	01578	01620	01662
104	01703	01745	01787	01828	01870	01912	01953	01995	02036	02078
105	02119	02160	02202	02243	02284	02325	02366	02408	02449	02490
106	02531	02572	02612	02653	02694	02735	02776	02816	02857	02898
107	02938	02980	03019	03060	03100	03141	03181	03222	03262	03302
108	03342	03383	03423	03463	03502	03543	03583	03623	03663	03703
109	03743	03782	03822	03862	03902	03941	03981	04021	04060	04100
110	04139	04179	04218	04258	04297	04336	04376	04415	04454	04493
11	04139	04532	04922	05308	05690	06070	06446	06819	07188	07555
12	07918	08279	08636	08991	09342	09691	10037	10380	10721	11059
13	11394	11727	12057	12385	12710	12033	13354	13672	13988	14301
14	14613	14922	15229	15534	15836	16137	16435	16732	17026	17319
15	17609	17898	18184	18469	18752	19033	19312	19590	19866	20140
16	20412	20683	20952	21219	21484	21748	22011	22272	22531	22789
17	23045	23300	23553	23805	24055	24304	24551	24797	25042	25285
18	25527	25768	26007	26245	26482	26717	26951	27184	27416	27646
19	27875	28103	28330	28556	28780	29003	29226	29447	29667	29885
20	30103	30320	30535	30750	30963	31175	31387	31597	31806	32015
21	32222	32428	32634	32838	33041	33244	33445	33636	33846	34044
22	34242	34439	34635	34830	35025	35218	35411	35603	35793	35984
23	36173	36361	36549	36736	36922	37107	37291	37475	37658	37840
24	38021	38202	38382	38561	38739	38917	39094	39270	39445	39620
25	39794	39967	40140	40312	40483	40654	40824	40993	41162	41330
26	41497	41664	41830	41996	42160	42325	42488	42651	42813	42975
27	43136	43297	43457	43616	43775	43933	44091	44248	44404	44560
28	44716	44871	45025	45179	45332	45484	45637	45788	45939	46090
29	46240	46389	46538	46687	46835	46982	47129	47276	47422	47567
30	47712	47857	48001	48144	48287	48430	48572	48714	48855	48996
31	49136	49276	49415	49554	49693	49831	49969	50106	50243	50379
32	50515	50651	50786	50920	51055	51188	51322	51455	51587	51720
33	51851	51983	52114	52244	52375	52504	52634	52763	52892	53020
34	53148	53275	53403	53529	53656	53782	53908	54033	54158	54283
35	54407	54531	54654	54777	54900	55023	55145	55267	55388	55509
36	55630	55751	55871	55991	56110	56229	56348	56467	56585	56703
37	56820	56937	57054	57171	57287	57403	57519	57634	57749	57864
38	57978	58093	58206	58320	58433	58546	58659	58771	58883	58995
39	59106	59218	59329	59439	59550	59660	59770	59879	59988	60097
40	60206	60314	60423	60531	60638	60746	60853	60959	61066	61172
41	61278	61384	61490	61595	61700	61805	61909	62014	62118	62221
42	62325	62428	62531	62634	62737	62839	62941	63043	63144	63246
43	63347	63448	63548	63649	63749	63849	63949	64048	64147	64246
44	64345	64444	64542	64640	64738	64836	64933	65031	65128	65225
45	65321	65418	65514	65610	65706	65801	65896	65992	66087	66181
46	66276	66370	66464	66558	66652	66745	66839	66932	67025	67117
47	67210	67304	67394	67486	67578	67669	67761	67852	67943	68034
48	68124	68215	68305	68395	68485	68574	68664	68753	68842	68931
49	69020	69108	69197	69285	69373	69461	69548	69636	69723	69810

seguito TABELLA 31

Valori delle Mantisse dei logaritmi volgari o di Brigg

n	0	1	2	3	4	5	6	7	8	9
50	69897	69984	70070	70157	70243	70329	70415	70501	70586	70672
51	70757	70842	70927	71012	71096	71181	71265	71349	71433	71517
52	71600	71684	71767	71850	71933	72016	72099	72181	72263	72346
53	72428	72509	72591	72673	72754	72835	72916	72997	73078	73159
54	73239	73320	73400	73480	73560	73640	73719	73799	73878	73957
55	74036	74115	74194	74273	74351	74429	74507	74586	74663	74741
56	74819	74896	74974	75051	75128	75205	75282	75358	75435	75511
57	75587	75664	75740	75815	75891	75967	76042	76118	76193	76268
58	76343	76418	76492	76567	76641	76716	76790	76864	76938	77012
59	77085	77159	77232	77305	77379	77452	77525	77597	77670	77743
60	77815	77887	77960	78032	78104	78176	78247	78319	78390	78462
61	78533	78604	78675	78746	78817	78888	78958	79029	79099	79169
62	79239	79309	79379	79449	79518	79588	79657	79727	79796	79865
63	79934	80003	80072	80140	80209	80277	80346	80414	80482	80550
64	80618	80686	80754	80821	80889	80956	81023	81090	81158	81224
65	81291	91358	81425	81491	81558	91624	81690	81757	81823	81889
66	81954	82020	82086	82151	82217	82282	82347	82413	82478	82543
67	82607	82672	82737	82802	82866	82930	82995	83059	83123	83187
68	83251	83315	83378	83442	83506	83569	83632	83696	83759	83822
69	83885	83948	84011	84073	84136	84198	84261	84323	84386	84448
70	84510	84572	84634	84696	84757	84819	84880	84942	85003	85065
71	85126	85187	85248	85309	85370	85431	85491	85552	85612	85673
72	85733	85794	85854	85914	85974	86034	86094	86153	86213	86273
73	86332	86392	86451	86510	66570	86629	86688	86747	86806	86864
74	86923	86982	87040	87099	87157	87216	87274	87332	87390	87448
75	87506	87564	87622	87680	97737	87795	87852	87910	87967	88024
76	88081	88138	88196	88252	88309	88366	88423	88480	88536	88593
77	88649	88705	88762	88818	88874	88930	88986	89042	89098	89154
78	89209	88265	89321	89376	89432	89487	89542	89597	89653	89708
79	89763	89818	89873	89927	89982	90037	90091	90146	90200	90255
80	90309	90363	90417	90472	90526	90580	90634	90687	90741	90795
81	90849	90902	90956	91009	91062	91116	91169	91222	91275	96328
82	91381	91434	91487	91540	91593	91645	91698	91751	91803	91855
83	91908	91960	92012	92065	92117	92169	92221	92273	92324	92376
84	92428	92480	92531	92583	92634	92686	92737	92788	92840	92891
85	92942	92993	93044	93095	93146	93197	93247	93298	93349	93399
86	93450	93500	93551	93601	93651	93702	93752	93802	93852	93902
87	93952	94002	94052	94101	94151	94201	94250	94300	94349	94399
88	94448	94498	94547	94596	94645	94694	94743	94792	94841	94890
89	94939	94988	95036	95085	95134	95182	95231	95279	95328	95376
90	95424	95472	95521	95569	95617	95665	95713	95761	95809	95856
91	95904	95952	95999	96047	96095	96141	96190	96237	96284	96332
92	96379	96426	96473	96520	96567	96614	96661	96708	96755	96802
93	96848	96895	96942	96988	97035	97081	97128	97174	97220	97267
94	97313	97359	97405	97451	97497	97543	97589	97635	97681	97727
95	97772	97818	97864	97909	97955	98000	98046	98091	98137	98182
96	98227	98272	98318	98363	98408	98453	98498	98543	98588	98632
97	98677	98722	98767	98811	98856	98900	98945	98989	99034	99078
98	99123	99167	99211	99255	99300	99344	99388	99432	99476	99520
99	99564	99607	99651	99695	99739	99782	99826	99870	99913	99957

TABELLA 32

Funzioni trigonometriche

Gradi	Seno 0′	10′	20′	30′	40′	50′	60	
0	0,00000	0,00291	0,00582	0,00873	0,01164	0,01454	0,01745	89
1	0,01745	0,02036	0,02327	0,02618	0,02908	0,03199	0,03490	88
2	0,03490	0,03781	0,04071	0,04362	0,04653	0,04943	0,05234	87
3	0,05234	0,05524	0,05814	0,06105	0,06395	0,06685	0,06976	86
4	0,06976	0,07266	0,07556	0,07846	0,08136	0,08426	0,08716	85
5	0,08716	0,09005	0,09295	0,09585	0,09874	0,10164	0,10453	84
6	0,10453	0,10742	0,11031	0,11320	0,11609	0,11898	0,12187	83
7	0,12187	0,12476	0,12764	0,13053	0,13341	0,13629	0,13917	82
8	0,13917	0,14205	0,14493	0,14781	0,15069	0,15356	0,15643	81
9	0,15643	0,15931	0,16218	0,16505	0,16792	0,17078	0,17365	80
10	0,17365	0,17651	0,17937	0,18224	0,18509	0,17895	0,19081	79
11	0,19081	0,19366	0,19652	0,19937	0,20222	0,20507	0,20791	78
12	0,20791	0,21076	0,21360	0,21644	0,21928	0,22212	0,22495	77
13	0,22495	0,22778	0,23062	0,23345	0,23627	0,23910	0,24192	76
14	0,24192	0,24474	0,24756	0,25038	0,25320	0,25601	0,25882	75
15	0,25882	0,26163	0,26443	0,26724	0,27004	0,27284	0,27564	74
16	0,27564	0,27843	0,28123	0,28402	0,28680	0,28959	0,29237	73
17	0,29237	0,29515	0,29793	0,30071	0,30348	0,30625	0,30902	72
18	0,30902	0,31178	0,31454	0,31730	0,32006	0,32282	0,32557	71
19	0,32557	0,32832	0,33106	0,33381	0,33655	0,33929	0,34202	70
20	0,34202	0,34475	0,34748	0,35021	0,35293	0,35565	0,35837	69
21	0,35837	0,36108	0,36379	0,36650	0,36921	0,37191	0,37461	68
22	0,37461	0,37730	0,37999	0,38268	0,38537	0,38805	0,39073	67
23	0,39073	0,39341	0,39608	0,39875	0,40142	0,40408	0,40674	66
24	0,40674	0,40939	0,41204	0,41469	0,41734	0,41998	0,42262	65
25	0,42262	0,42525	0,42788	0,43051	0,43313	0,43535	0,43837	64
26	0,43837	0,44098	0,44359	0,44620	0,44880	0,45140	0,45399	63
27	0,45399	0,45658	0,45917	0,46175	0,46433	0,46690	0,46947	62
28	0,46947	0,47204	0,47460	0,47716	0,47971	0,48226	0,48481	61
29	0,48481	0,48735	0,48989	0,49242	0,49495	0,49748	0,50000	60
30	0,50000	0,50252	0,50503	0,50754	0,51004	0,51254	0,51504	59
31	0,51504	0,51753	0,52002	0,52250	0,52498	0,52745	0,52992	58
32	0,52992	0,53238	0,53484	0,53730	0,53975	0,54220	0,54464	57
33	0,54464	0,54708	0,54951	0,55194	0,55436	0,55678	0,55919	56
34	0,55919	0,56160	0,56401	0,56641	0,56880	0,57119	0,57358	55
35	0,57358	0,57596	0,57833	0,58070	0,58307	0,58543	0,58779	54
36	0,58779	0,59014	0,59248	0,59482	0,59716	0,59949	0,60182	53
37	0,60182	0,60414	0,60645	0,60876	0,61107	0,61337	0,61566	52
38	0,61566	0,61795	0,62024	0,62251	0,62479	0,62706	0,62932	51
39	0,62932	0,63158	0,63383	0,63608	0,63832	0,64056	0,64279	50
40	0,64279	0,64501	0,64723	0,64945	0,65166	0,65386	0,65606	49
41	0,65606	0,65825	0,66044	0,66262	0,66480	0,66697	0,66913	48
42	0,66913	0,67129	0,67344	0,67559	0,67773	0,67987	0,68200	47
43	0,68200	0,68412	0,68624	0,68835	0,69046	0,69256	0,69466	46
44	0,69466	0,69675	0,69883	0,70091	0,70298	0,70505	0,70711	45
	60′	50′	40′	30′	20′	10′	0′	Gradi
	Coseno							

seguito TABELLA 32

Funzioni trigonometriche

Gradi	Coseno 0′	10′	20′	30′	40′	50′	60′	
0	1,00000	1,00000	0,99998	0,99996	0,99993	0,99989	0,99985	89
1	0,99985	0,99979	0,99973	0,99966	0,99958	0,99949	0,99939	88
2	0,99939	0,99929	0,99917	0,99905	0,99892	0,99878	0,99863	87
3	0,99863	0,99847	0,99831	0,99813	0,99795	0,99776	0,99756	86
4	0,99756	0,99736	0,99714	0,99692	0,99668	0,99644	0,99619	85
5	0,99619	0,99594	0,99567	0,69540	0,99511	0,99482	0,99452	84
6	0,99452	0,99421	0,99390	0,99357	0,99324	0,99290	0,99255	83
7	0,99255	0,99219	0,99182	0,99144	0,99106	0,99067	0,99027	82
8	0,99027	0,98986	0,98944	0,09802	0,98858	0,98814	0,98769	81
9	0,98769	0,98723	0,98676	0,98629	0,98580	0,98531	0,98481	80
10	0,98481	0,98430	0,98378	0,98325	0,98272	0,98218	0,98163	79
11	0,98163	0,98107	0,98050	0,97992	0,97934	0,97875	0,97815	78
12	0,97815	0,97754	0,97692	0,97630	0,97566	0,97502	0,97437	77
13	0,97437	0,97371	0,97304	0,97237	0,97169	0,97100	0,97030	76
14	0,97030	0,96959	0,96887	0,96815	0,96742	0,96667	0,96593	75
15	0,96593	0,96517	0,96440	0,96363	0,96285	0,96206	0,96126	74
16	0,96126	0,96046	0,95964	0,95882	0,95799	0,95715	0,95630	73
17	0,95630	0,95545	0,95459	0,95372	0,95284	0,95195	0,95106	72
18	0,95106	0,95015	0,94924	0,94832	0,94740	0,94646	0,94552	71
19	0,94552	0,94457	0,94361	0,94264	0,94167	0,94068	0,93969	70
20	0,93969	0,93869	0,93769	0,93667	0,93565	0,93462	0,93358	69
21	0,93358	0,93252	0,93148	0,93042	0,92935	0,92827	0,92718	68
22	0,92718	0,92609	0,92499	0 92388	0,92276	0,92164	0,92050	67
23	0,92050	0,91936	0,91822	0,91706	0,91590	0,91472	0,91355	66
24	0,91355	0,91236	0,91116	0,90996	0,90875	0,90753	0,90631	65
25	0,90631	0,90507	0,90383	0,90259	0,90133	0,90007	0,89879	64
26	0,89879	0,89752	0,89623	0,89493	0,89363	0,89232	0,89101	63
27	0,89101	0,88968	0,88835	0,88701	0,88566	0,88431	0,88295	62
28	0,88295	0,88158	0,88020	0,87882	0,87743	0,87603	0,87462	61
29	0,87462	0,87321	0,87178	0,87036	0,86892	0,86748	0,86603	60
30	0,86603	0,86457	0,86310	0,86163	0,86015	0,85866	0,85717	59
31	0,85717	0,85567	0,85416	0,85264	0,85112	0,84959	0,84805	58
32	0,84805	0,84650	0,84495	0,84339	0,84182	0,84025	0,83867	57
33	0,83867	0,83708	0,83549	0,83389	0,83228	0,83066	0,82904	56
34	0,82904	0,82741	0,82577	0,82413	0,82248	0,82082	0,81915	55
35	0,81915	0,81748	0,81580	0,81412	0,81242	0,81072	0,80902	54
36	0,80902	0,80730	0,80558	0,80386	0,80212	0,80038	0,79864	53
37	0,79864	0,79688	0,79512	0,79335	0,79158	0,78980	0,78801	52
38	0,78801	0,78622	0,78442	0,78261	0,78079	0,77897	0,77715	51
39	0,77715	0,77531	0,77347	0,77162	0,76977	0,76791	0,76604	50
40	0,76604	0,76417	0,76229	0,76041	0,75851	0,75661	0,75471	49
41	0,75471	0,75280	0,75088	0,74896	0,74703	0,74509	0,74314	48
42	0,74314	0,74120	0,73924	0,73728	0,73531	0,73333	0,73135	47
43	0,73135	0,72937	0,72737	0,72537	0,72337	0,72136	0,71934	46
44	0,71934	0,71732	0,71529	0,71325	0,71121	0,70916	0,70711	45
	60′	50′	40′	30′	20′	10′	0′	Gradi
	Seno							

seguito TABELLA 32

Funzioni trigonometriche

Gradi	Tangente 0′	10′	20′	30′	40′	50′	60′	
0	0,00000	0,00291	0,00582	0,00873	0,01164	0,01455	0,01746	89
1	0,01746	0,02036	0,02328	0,02619	0,02910	0,03201	0,03492	88
2	0,03492	0,03783	0,04075	0,04366	0,04658	0,04949	0,05241	78
3	0,05241	0,05533	0,05824	0,06116	0,06408	0,06700	0,06993	86
4	0,06993	0,07285	0,07578	0,07870	0,08163	0,08456	0,08749	85
5	0,08749	0,09042	0,09335	0,09629	0,09923	0,10216	0,10510	84
6	0,10510	0,10805	0,11099	0,11394	0,11688	0,11983	0,12278	83
7	0,12278	0,12574	0,12869	0,13165	0,13461	0,13758	0,14054	82
8	0,14054	0,14351	0,14648	0,14945	0,15243	0,15540	0,15838	81
9	0,15838	0,16137	0,16435	0,16734	0,17033	0,17333	0,17633	80
10	0,17633	0,17933	0,18233	0,18534	0,18835	0,19136	0,19438	79
11	0,19438	0,19740	0,20042	0,20345	0,20648	0,20952	0,21256	78
12	0,21256	0,21560	0,21864	0,22169	0,22475	0,22781	0,23087	77
13	0,23087	0,23393	0,23700	0,24008	0,24316	0,24624	0,24933	76
14	0,24933	0,25242	0,25552	0,25862	0,26172	0,26483	0,26795	75
15	0,26795	0,27107	0,27419	0,27732	0,28046	0,28360	0,28675	74
16	0,28675	0,28990	0,29305	0,29621	0,29938	0,30255	0,30573	73
17	0,30573	0,30891	0,31210	0,31530	0,31850	0,32171	0,32492	72
18	0,32492	0,32814	0,33136	0,33460	0,33783	0,34108	0,34433	71
19	0,34433	0,34758	0,35085	0,35412	0,35740	0,36068	0,36397	70
20	0,36397	0,36727	0,37057	0,37388	0,37720	0,38053	0,38386	69
21	0,38386	0,38721	0,39055	0,39391	0,39727	0,40065	0,40403	68
22	0,40403	0,40741	0,41081	0,41421	0,41763	0,42105	0,42447	67
23	0,42447	0,42791	0,43136	0,43481	0,43828	0,44175	0,44523	66
24	0,44523	0,44872	0,45222	0,45573	0,45924	0,46277	0,46631	65
25	0,46631	0,46985	0,47341	0,47698	0,48055	0,48414	0,48773	64
26	0,48773	0,49134	0,49495	0,49858	0,50222	0,50587	0,50953	63
27	0,50953	0,51320	0,51688	0,52057	0,52427	0,52798	0,53171	62
28	0,53171	0,53545	0,53920	0,54296	0,54673	0,55051	0,55431	61
29	0,55431	0,55812	0,56194	0,56577	0,56962	0,57348	0,57735	60
30	0,57735	0,58124	0,58513	0,58905	0,59297	0,59691	0,60086	59
31	0,60086	0,60483	0,60881	0,61280	0,61681	0,62083	0,62487	58
32	0,62487	0,62892	0,63299	0,63707	0,64117	0,64528	0,64941	57
33	0,64941	0,65355	0,65771	0,66189	0,66608	0,67028	0,67451	56
34	0,67451	0,67875	0,68301	0,68728	0,69157	0,69588	0,70021	55
35	0,70021	0,70455	0,70891	0,71329	0,71769	0,72211	0,72654	54
36	0,72654	0,73100	0,73547	0,73996	0,74447	0,74900	0,75355	53
37	0,75355	0,75812	0,76272	0,76733	0,77196	0,77661	0,78129	52
38	0,78129	0,78598	0,79070	0,79544	0,80020	0,80498	0,80978	51
39	0,80978	0,81461	0,81946	0,82434	0,82923	0,83415	0,83910	50
40	0,83910	0,84407	0,84906	0,85408	0,85912	0,86419	0,86929	49
41	0,86929	0,87441	0,87955	0,88473	0,88992	0,89515	0,90000	48
42	0,90040	0,90569	0,91099	0,91633	0,92170	0,92709	0,93252	47
43	0,93252	0,93797	0,94345	0,94896	0,95451	0,96008	0,96569	46
44	0,96569	0,97133	0,97700	0,98270	0,98843	0,99420	1,00000	45
	60′	50′	40′	30′	20′	10′	0′	Gradi
	Cotangente							

seguito TABELLA 32

Funzioni trigonometriche

Gradi	Cotangente							
	0'	10'	20'	30'	40'	50'	60'	
0	∞	343,77371	171,88540	114,58865	85,93979	68,75009	57,28996	89
1	57,28996	49,10388	42,96408	38,18846	34,36777	31,24158	28,63625	88
2	28,63625	26,43160	24,54176	22,90377	21,47040	20,20555	19,08114	87
3	19,08114	18,07498	17,16934	16,34986	15,60478	14,92442	14,30067	86
4	14,30067	13,72674	13,19688	12,70621	12,25051	11,82617	11,43005	85
5	11,43005	11,05943	10,71191	10,38540	10,07803	9,78817	9,51436	84
6	9,51436	9,25530	9,00983	8,77689	8,55555	8,34496	8,14435	83
7	8,14435	7,95302	7,77035	7,59575	7,42871	7,26873	7,11537	82
8	7,61537	6,96823	6,82694	6,69116	6,56055	6,43484	6,31375	81
9	6,31375	6,19703	6,08444	5,97576	5,87080	5,76937	5,67128	80
10	5,67128	5,57638	5,48451	5,39552	5,30928	5,22566	5,14455	79
11	5,14455	5,06584	4,98940	4,91516	4,84300	4,77286	4,70463	78
12	4,70463	4,63825	4,57363	4,51071	4,44942	4,38969	4,33148	77
13	4,33148	4,27471	4,21933	4,16530	4,11256	4,06107	4,01078	76
14	4,01078	3,96165	3,91364	3,86671	3,82083	3,77595	3,73205	75
15	3,73205	3,68909	3,64705	3,60588	3,56557	3,52609	3,48741	74
16	3,48741	3,44951	3,41236	3,37594	3,34023	3,30521	3,27085	73
17	3,27085	3,23714	3,20406	3,17159	3,13972	3,10842	3,07768	72
18	3,07768	3,04749	3,01783	2,98869	2,96004	2,93189	2,90421	71
19	2,90421	2,87700	2,85023	2,82391	2,79802	2,77254	2,74748	70
20	2,74748	2,72281	2,69853	2,67462	2,65100	2,62791	2,60509	69
21	2,60509	2,58261	2,56046	2,53865	2,51715	2,49597	2,47509	68
22	2,47509	2,45451	2,43422	2,41421	2,39449	2,37504	2,35585	67
23	2,35585	2,33693	2,31826	2,29984	2,28167	2,26374	2,24604	66
24	2,24604	2,22857	2,21132	2,19430	2,17749	2,16090	2,14451	65
25	2,14451	2,12832	2,11233	2,09654	2,08094	2,06553	2,05030	64
26	2,05030	2,03326	2,02039	2,00569	1,99116	1,97680	1,96261	63
27	1,96261	1,94858	1,93470	1,92098	1,90741	1,89400	1,88073	62
28	1,88073	1,86760	1,85462	1,84177	1,82906	1,81649	1,80405	61
29	1,80405	1,79174	1,77955	1,76749	1,75556	1,74375	1,73206	60
30	1,73205	1,72047	1,70901	1,69766	1,68643	1,67530	1,66028	59
31	1,66428	1,65337	1,64256	1,63185	1,62125	1,61074	1,60033	58
32	1,60033	1,59002	1,57981	1,56969	1,55966	1,54972	1,53987	57
33	1,53987	1,53010	1,52043	1,51084	1,50133	1,49190	1,48256	56
34	1,48256	1,47330	1,46411	1,45501	1,44598	1,43703	1,42815	55
35	1,42815	1,41934	1,41061	1,40195	1,39336	1,38484	1,37638	54
36	1,37638	1,36800	1,35968	1,35142	1,34323	1,33511	1,32704	53
37	1,32704	1,31904	1,31110	1,30323	1,29541	1,28764	1,27994	52
38	1,27994	1,27230	1,26471	1,25717	1,24969	1,24227	1,23490	51
39	1,23490	1,22758	1,22031	1,21310	1,20593	1,19882	1,19175	50
40	1,19175	1,18474	1,17777	1,17085	1,16398	1,15715	1,15037	49
41	1,15037	1,14363	1,13694	1,13029	1,12329	1,11713	1,11061	48
42	1,11061	1,10414	1,09770	1,09131	1,08496	1,07864	1,07237	47
43	1,07237	1,06613	1,05994	1,05378	1,04766	1,04158	1,03553	46
44	1,03553	1,02952	1,02355	1,01761	1,01170	1,00583	1,00000	45
	60'	50'	40'	30'	20'	10'	0'	Gradi
	Tangente							

TABELLA 33

Valori di alcuni fattori usuali

Simbolo	Valore	Simbolo	Valore	Simbolo	Valore
π	3,1415927	$\pi\sqrt{2}$	4,442882	g	$9,81\frac{m}{sec^2}$
$\pi\sqrt{2}$	4,4428829	$\frac{\pi}{\sqrt{2}}$	2,221442	g^2	96,2361
$\frac{1}{2}\pi$	1,570796	$2\sqrt{\pi}$	3,544908	$\sqrt{g}$	3,132091
$\frac{1}{3}\pi$	1,047198	$\sqrt{2\pi}$	2,506628	$\frac{1}{2g}$	0,050968
$\frac{1}{4}\pi$	0,785398	$\sqrt{\frac{\pi}{2}}$	1,253314	$2\sqrt{g}$	6,264184
π^2	9,869604	$\sqrt{\frac{2}{\pi}}$	0,797885	$\sqrt{2g}$	4,429447
π^3	31.006277	$\sqrt{\frac{3}{\pi}}$	0,977205	$\pi\sqrt{g}$	9,839757
$\frac{1}{\pi}$	0,318310	$\sqrt[3]{2\pi}$	1,845261	$\pi\sqrt{2g}$	13,91536
$\frac{1}{\pi^2}$	0,101321	$\sqrt[3]{\frac{\pi}{2}}$	1,162447	$\frac{\pi}{\sqrt{g}}$	1,003033
$\frac{1}{\pi^3}$	0,032252	$\sqrt[3]{\frac{\pi}{4}}$	0,922635	$\frac{\pi}{\sqrt{2g}}$	0,709252
$\sqrt{\pi}$	1,7724539	$\sqrt[3]{\frac{2}{\pi}}$	0,860254	e	2,718282
$\sqrt[3]{\pi}$	1,464591	$\sqrt[3]{\frac{3}{\pi}}$	0,984745	e^2	7,389056
$\pi\sqrt{\pi}$	5,568328	log. π	0,49715	$\frac{1}{e}$	0,367879
$\pi^3\sqrt{\pi}$	4,601151	log. π^2	0,9943029	$\frac{1}{e^2}$	0,135335
$4\pi^2$	39,478418	log. $\sqrt{\pi}$	0,248575	$\sqrt{e}$	1,648721
$\frac{\pi^2}{4}$	2,467401	log. $\sqrt[3]{\pi}$	0,165717	$\sqrt[3]{e}$	1,395612

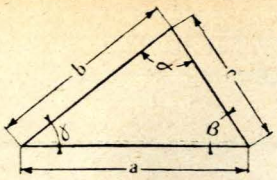


TABELLA 34

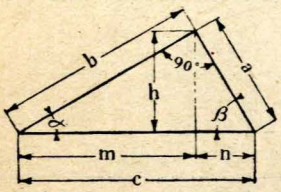
Risoluzione di triangoli

TRIANGOLI OBLIQUANGOLI

Dati	Incognite	FORMULE
$a, b, c,$	α	$\cos \alpha = \dfrac{b^2 + c^2 - a^2}{2\,b\,c}$
$a, b, \alpha,$	β	$\operatorname{sen} \beta = \dfrac{b \operatorname{sen} \alpha}{a}$
	γ	$= 180^\circ - (\alpha + \beta)$
	c	$c = \dfrac{a \operatorname{sen}}{\operatorname{sen}\ \alpha} = b \cos \alpha \pm \sqrt{a^2 - b^2 \operatorname{sen}^2 \alpha}$
		Per a $>$ b una sola soluzione; è $\beta < 90^\circ$ e $\beta <$
		Per $b > a > b$ sen α, due triangoli l'uno con β acuto, l'altro con β ottuso.
		Per b sen $\alpha > a$ nessuna soluzione.
$a, \alpha, \beta,$	$b, c,$	$b = \dfrac{a \operatorname{sen} \beta}{\operatorname{sen}\ \alpha} \qquad c = \dfrac{a \operatorname{sen} \gamma}{\operatorname{sen}\ \alpha} = \dfrac{a \operatorname{sen}\ (\alpha + \beta)}{\operatorname{sen}\ \alpha}$
$a, b, \gamma,$	α, β	$\operatorname{tg} \alpha = \dfrac{a \operatorname{sen} \gamma}{b - a \cos \gamma} \quad \beta = 180^\circ - (\alpha + \gamma)$
		oppure $1/2\ (\alpha + \beta) = 90^\circ - 1/2\,\gamma$
		$\operatorname{tg} 1/2\ (\alpha - \beta) = \dfrac{a-b}{a+b} \operatorname{ctg} 1/2\gamma = \dfrac{a-b}{a+b} \operatorname{tg} 1/2\ (\alpha+\beta)$
		$\alpha = \dfrac{\alpha+\beta}{2} + \dfrac{\alpha-\beta}{2}; \quad \beta = \dfrac{\alpha+\beta}{2} - \dfrac{\alpha-\beta}{2}$
	c	$c = \sqrt{a^2 + b^2 - 2\,ab \cos \gamma} = \dfrac{a \operatorname{sen} \gamma}{\operatorname{sen}\ \alpha} = \dfrac{a - b}{\cos\ \varphi}$
		dove $\operatorname{tg}\ \varphi = \dfrac{2\sqrt{ab \operatorname{sen} 1/2\,\gamma}}{a - b}$

seguito TABELLA 34

Risoluzione di triangoli



a e b cateti

c ipotenusa

α angolo contrapposto ad a

$$\text{sen } \alpha = \frac{a}{c} \qquad \cos \alpha = \frac{b}{c} \qquad \text{tg } \alpha = \frac{a}{b} \qquad \text{ctg } \alpha = \frac{b}{a}$$

$$a^2 + b^2 = c^2 \qquad c = \sqrt{a^2 + b^2}$$

$$\frac{h}{n} = \frac{m}{h} \qquad h^2 = m\ n$$

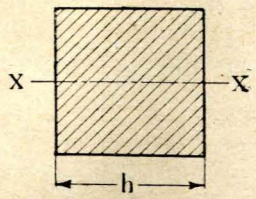
$$\frac{h}{a} = \frac{b}{c} \qquad h = \frac{a\ b}{c} \qquad h^2 = \frac{a^2\ b^2}{a^2 + b^2} \qquad \frac{1}{h^2} = \frac{1}{a^2} + \frac{1}{b^2}$$

$$\frac{m}{n} = \frac{b}{c} \qquad b^2 = m\ c \quad \Bigg| \quad \frac{b^2}{a^2} = \frac{m}{n}$$

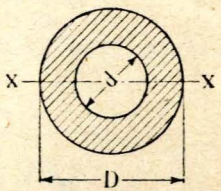
$$\frac{n}{a} = \frac{a}{c} \qquad a^2 = n\ c \quad \Bigg| \quad \frac{1}{h^2} = \frac{1}{c}\left(\frac{1}{m} + \frac{1}{n}\right)$$

TABELLA 35

Momenti d'inerzia e di resistenza di varie sezioni

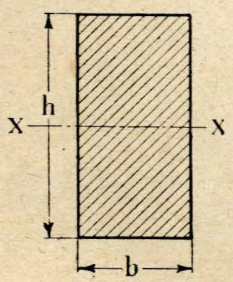


$$I = \frac{h^4}{12} \qquad W = \frac{h^3}{6}$$

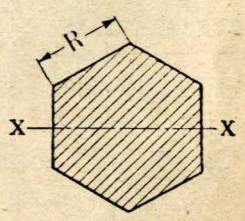


$$I = \frac{\pi}{64}(D^4 - d^4) = 0{,}0491\,(D^4 - d^4)$$

$$W = \frac{\pi}{32}\,\frac{D^4 - d^4}{D} = 0{,}0982\,\frac{D^4 - d^4}{D}$$

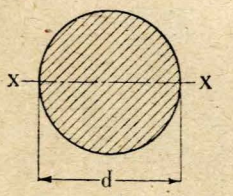


$$I = \frac{b\,h^3}{12} \qquad W = \frac{b\,h^2}{6}$$



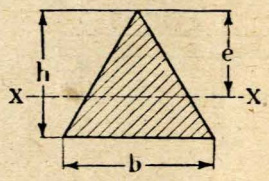
$$I = \frac{5\sqrt{3}}{16}\,R^4 = 0{,}541\,R^4$$

$$W = 0{,}5413\,R^3$$



$$I = \frac{\pi\,d^4}{64} = 0{,}0491\,d^4$$

$$W = \frac{\pi\,d^3}{32} = 0{,}0982\,d^3$$

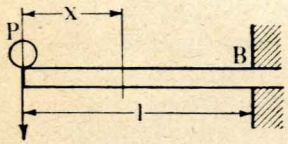
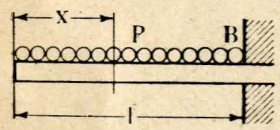
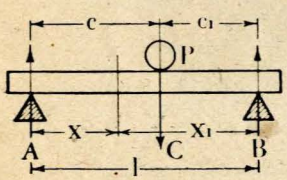


$$I = \frac{b\,h^3}{36} \qquad W = \frac{b\,h^2}{24}$$

$$e = \frac{2}{3}\,h$$

TABELLA 36

Casi semplici di sollecitazione – Sollecitazioni a flessione

Tipo di sollecitazione	Reazione degli appoggi Momento flettente	Modulo resistenza necess.
	$B = P$ $M = P \times x$ $M_{max} = Pl$	$W = \frac{Pl}{kf}$
	$B = P$ $M = \frac{Px^2}{2l}$ $M_{max} = \frac{Pl}{2}$	$W = \frac{Pl}{2\ k_f}$
	$A = \frac{P\,c_1}{l}$; $B = \frac{P\,c}{l}$ per AC $M = \frac{Pc_1\,x}{l}$ per BC $M = \frac{P\,c\,x_1}{l}$ $M_{max} = \frac{P\,c\,c_1}{l}$	$W = \frac{P\,c\,c_1}{l\,k_f}$

seguito TABELLA 36

Casi semplici di sollecitazione - Sollecitazioni a flessione

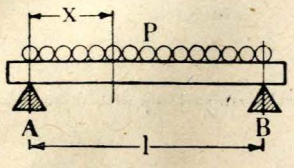
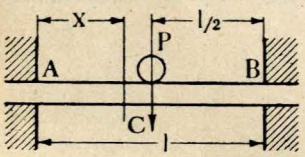
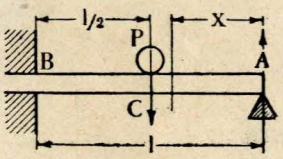
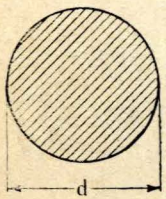
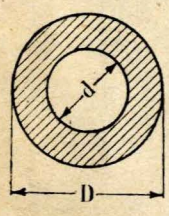
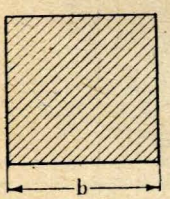
Tipo di sollecitazione	Reazione degli appoggi Momento flettente	Modulo resistenza necess.
	$A = B = \frac{P}{2}$ $M = \frac{P\,x}{2}\,(1 - \frac{x}{l})$ $Mmax = \frac{Pl}{8}$	$W = \frac{Pl}{8\,k_f}$
	$A = B = \frac{P}{2}$ per AC: $M = \frac{Pl}{2}(\frac{x}{l} - \frac{1}{4})$ per BC: $M = \frac{Pl}{2}(\frac{x}{l} - \frac{3}{4})$ $Mmax = \frac{P}{8}$	$W = \frac{Pl}{8\,k_f}$
	$A = \frac{5}{16}P$; $B = \frac{11}{16}P$ per AC: $M = \frac{5}{16}Px$ per C: $M. = \frac{5}{32}Pl$ $Mmax = \frac{3\,Pl}{16}$	$W = \frac{3}{16}\,\frac{Pl}{k_f}$

TABELLA 37

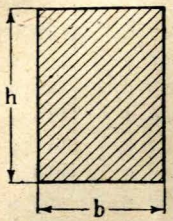
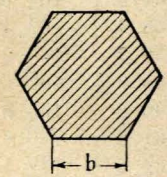
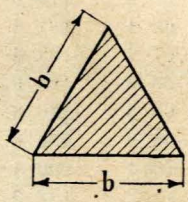
Casi semplici di sollecitazione - Sollecitazioni a torsione

Sezione	Momento torsione ammiss.	Osservazioni
	$M_{tr} = \frac{\pi}{16} d^3 \, Ktr$	Si ha τ *max* nei punti del contorno Alla distanza ρ dall'asse si ha: $\tau = \frac{2\rho}{d} \tau_{max}$
	$M_{tr} = \frac{\pi}{16} \frac{D^4 - d^4}{D} K_{tr}$	τ_{max} nei punti del perim. est.
	$M_{tr} = \frac{2}{9} h^3 \, K_{tr}$	τ_{max} alla metà dei lati Agli angoli $\tau = 0$

dove M_{tr} = momento di torsione, in Kg/cm
τ_{max} = la tensione tangenziale *max* della sezione, in Kg/cm²
K_{tr} = la tensione ammissibile per la torsione del materiale, in Kg/cm².

seguito TABELLA 37

Casi semplici di sollecitazione - Sollecitazioni a torsione

Sezione	Momento torsione ammiss.	Osservazioni
	$M_{tr} = \frac{2}{9} b^2 h K_{tr}$ $(h > b)$	τmax a metà dei lati h A metà dei lati b è: $\tau = \frac{9 M_{tr}}{2 b h^2}$ Agli angoli $\tau = 0$
	$M_{tr} = \frac{b^3}{1,02} K_{tr}$	τ_{max} a metà dei lati Agli angoli $\tau = 0$
	$M_{tr} = \frac{b^3}{20} K_{tr}$	τ_{max} a metà dei lati Agli angoli $\tau = 0$

dove M_{tr} = momento di torsione, in Kg/cm
τ_{max} = la tensione tangenziale *max* della sezione, in Kg/cm²
K_{tr} = la tensione ammissibile per la torsione del materiale, in Kg/cm².

TABELLA 38

Tabella comparativa delle scale termometriche

C = Centigradi *R = Réaumur* *F = Fahrenheit*

C	*R*	*F*	*C*	*R*	*F*	*C*	*R*	*F*
—20	—16	— 4,0	**+20**	+16,0	+68,0	**+60**	+48,0	+140,0
—19	—15,2	— 2,2	21	16,8	69,8	61	48,8	141,8
—18	—14,4	— 0,4	22	17,6	71,6	62	49,6	143,6
—17	—13,6	+ 1,4	23	18,4	73,4	63	50,4	145,4
—16	—12,8	3,2	24	19,2	75,2	64	51,2	147,2
—15	—12,0	5,0	25	20,0	77,0	65	52,0	149,0
—14	—11,2	6,8	26	20,8	78,8	66	52,8	150,8
—13	—10,4	8,6	27	21,6	80,6	67	53,6	152,6
—12	— 9,6	10,4	28	22,4	82,4	68	54,4	154,4
—11	— 8,8	12,2	29	23,2	84,2	69	55,2	156,2
—10	— 8,0	14,0	**30**	24,0	86,0	**70**	56,0	158,0
— 9	— 7,2	15,8	31	24,8	87,8	71	56,8	159,8
— 8	— 6,4	17,6	32	25,6	89,6	72	57,6	161,6
— 7	— 5,6	19,4	33	26,4	91,4	73	58,4	163,4
— 6	— 4,8	21,2	34	27,2	93,2	74	59,2	165,2
— 5	— 4,0	23,0	35	28,0	95,0	75	60,0	167,0
— 4	— 3,2	24,8	36	28,8	96,8	76	60,8	168,8
— 3	— 2,4	26,6	37	29,6	98,6	77	61,6	170,6
— 2	— 1,6	28,4	38	30,4	100,4	78	62,4	172,4
— 1	— 0,8	30,2	39	31,2	102,2	79	63,2	174,2
0	0	32,0	**40**	32,0	104,0	**80**	64,0	176,0
+ 1	+ 0,8	33,8	41	32,8	105,8	81	64,8	177,8
2	1,6	35,6	42	33,6	107,6	82	65,6	179,6
3	2,4	37,4	43	34,4	109,4	83	66,4	181,4
4	3,2	39,2	44	35,2	111,2	84	67,2	183,2
5	4,0	41,0	45	36,0	113,0	85	68,0	185,0
6	4,8	42,8	46	36,8	114,8	86	68,8	186,8
7	5,6	44,6	48	37,6	116,6	87	69,6	188,6
8	6,4	46,4	48	38,4	118,4	88	70,4	190,4
9	7,2	48,2	49	39,2	120,0	89	71,2	192,2
10	8,0	50,0	**50**	40,0	122,0	**90**	72,0	194,0
11	8,8	51,8	51	40,8	123,8	91	72,8	195,8
12	9,6	53,6	52	41,6	125,6	92	73,6	197,6
13	10,4	55,4	53	42,4	127,4	93	74,4	199,4
14	11,2	57,2	54	43,2	129,2	94	75,2	201,2
15	12,0	59,0	55	44,0	131,0	95	76,0	203,0
16	12,8	60,8	56	44,8	132,8	96	76,8	204,8
17	13,6	62,6	57	45,6	134,6	97	77,6	206,6
18	14,4	64,4	58	46,4	136,4	98	78,4	208,4
19	15,2	66,2	59	47,2	138,2	99	79,2	210,2

TABELLA 39

Dilatazione lineare di corpi solidi per un'elevazione di temperatura da 0^0 a t^0, in m/m, riferita ad 1 m di lunghezza a 0^0

	da 0° a —190°	da 0° a 100°	da 0° a 200°	da 0° a 300°	da 0° a 400°	da 0° a 500°	da 0° a 600°	da 0° a 700°
Acciaio omogeneo	—1,64	1,17	2,45	3,83	5,31	6,91	8,60	10,40
Alluminio	—3,43	2,38	4,94	7,68	10,60	13,70	16,67	—
Argento.....	—3,21	1,97	4,00	6,08	8,23	10,43	12,69	15,14
Bronzo	—2,84	1,75	3,58	5,50	7,51	9,61	—	—
Costantana	—2,26	1,52	3,12	4,81	6,57	8,41	—	—
Ferro omogeneo .	—1,67	1,20	2,51	3,92	5,44	7,06	8,79	10,63
Ferro saldato....	—1,68	1,22	2,53	3,93	5,43	7,02	8,71	10,49
Ghisa da macch..	—1,61	1,04	2,19	3,45	4,82	6,31	7,91	—
Ghisa di 1ª	—1,59	1,04	2,21	3,49	4,90	6,44	8,09	9,87
Magnesio.....	—4,01	2,59	5,39	8,36	11,53	14,88	—	—
Nichel	—1,89	—	—	4,34	5,91	7,56	9,27	11,05
Oro	—2,49	1,42	—	—	—	—	—	—
Ottone.....	—3,11	1,84	3,85	6,03	8,39	—	—	—
Palladio	—1,93	1,19	2,42	3,70	5,02	6,38	7,79	9,24
Piombo	—5,12	2,92	—	—	—	—	—	—
Platino	—1,51	0,90	1,83	2,78	3,76	4,77	5,89	6,86
» iridiato al 20 %	—1,43	0,83	1,70	2,59	3,51	4,45	5,43	6,43
Rame	—2,66	1,65	3,38	5,18	7,07	9,04	11,09	—
Stagno.....	—4,24	2,67	—	—	—	—	—	—
Vetro di quarzo .	0,0	0,05	0,12	0,19	0,25	0,31	0,36	0,40
Zinco	1,85	1,65	—	—	—	—	—	—

	da 0° a 800°	da 0° a 900°	da 0° a 1000°	da 0° a 1100°	da 0° a 1200°	da 0° a 1300°	da 0° a 1400°	da 0° a 1500°
Nichel	12,89	14,80	16,78	—	—	—	—	—
Palladio	10,74	12,27	13,86	—	—	—	—	—
Platino	7,94	9,05	10,19	—	—	—	—	—
Plat. irid. al 20 %	7,47	8,53	9,62	10,73	11,88	13,05	14,26	15,49
Vetro di quarzo .	0,45	0,50	0,54	—	—	—	—	—

TABELLA 40

PESI PER FERRI   

Spessore *d* mm	Peso in k/m			Spessore *d* mm	Peso in k/m		
							
5	0,196	0,170	0,154	95	70,846	61,355	56,643
6	0,283	0,245	0,222	100	78,500	67,983	61,654
7	0,385	0,333	0,302	105	86,546	74,951	67,973
8	0,502	0,435	0,395	110	94,985	82,260	74,601
9	0,636	0,551	0,499	115	103,816	89,908	81,537
10	0,785	0,680	0,617	120	113,040	97,896	88,781
11	0,950	0,823	0,746	125	122,656	106,224	96,334
12	1,130	0,979	0,888	130	132,665	114,891	104,195
13	1,327	1,149	1,042	135	143,066	123,899	112,364
14	1,539	1,332	1,208	140	153,860	133,247	120,811
15	1,766	1,530	1,387	145	165,046	142,934	129,627
16	2,010	1,740	1,578	150	176,625	152,962	138,721
17	2,299	1,965	1,782	155	188,596	163,329	148,123
18	2,543	2,203	1,998	160	200,960	174,036	157,834
19	2,834	2,454	2,226	165	213,716	185,084	167,852
20	3,140	2,719	2,466	170	226,865	196,471	178,179
21	3,462	2,998	2,719	175	240,406	208,198	188,815
22	3,799	3,290	2,984	180	254,340	220,265	199,758
23	4,153	3,596	3,261	185	268,666	232,638	211,010
24	4,522	3,916	3,551	190	283,385	245,419	222,570
25	4,906	4,249	3,853	195	298,496	258,506	234,438
26	5,307	4,596	4,168	200	314,000	271,932	246,615
27	5,723	4,956	4,495	205	329,896	288,927	259,100
28	6,154	5,530	4,834	210	346,185	299,805	271,893
29	6,602	5,717	5,185	215	362,866	314,251	284,994
30	7,065	6,118	5,549	220	379,940	329,037	298,404
32	8,038	6,961	6,313	225	397,406	344,164	312,122
34	9,075	7,859	7,127	230	415,265	359,631	326,148
36	10,174	8,811	7,990	235	433,516	375,437	340,483
38	11,335	9,817	8,903	240	452,160	391,583	355,126
40	12,560	10,877	9,865	245	471,196	405,068	370,077
42	13,847	11,992	10,876	250	490,625	424,884	385,336
44	15,198	13,192	11,936	255	510,446	442,060	400,904
46	16,611	14,385	13,046	260	530,660	459,565	416,779
48	18,086	15,663	14,205	265	551,266	477,411	432,963
50	19,625	16,995	15,413	270	572,265	495,597	449,456
52	21,226	18,383	16,671	275	593,656	514,022	466,257
54	22,891	19,824	17,978	280	615,440	532,988	483,365
56	24,618	22,320	19,335	285	637,616	552,193	500,783
58	26,407	22,870	20,740	290	660,185	571,738	518,508
60	28,260	24,474	22,195	295	683,146	591,623	536,542
62	30,175	26,133	23,700	300	706,500	611,848	554,884
64	32,154	27,846	25,253	305	730,246	632,413	573,534
66	34,195	29,614	26,856	310	754,385	653,318	592,493
68	36,298	31,436	28,509	315	778,916	674,563	611,759
70	38,465	33,312	30,210	320	803,840	696,148	631,334
72	40,694	35,243	31,961	325	829,156	718,071	651,218
74	42,987	37,228	33,762	330	854,865	740,336	671,409
76	45,342	39,267	35,611	335	880,966	762,940	691,909
78	47,759	41,361	37,510	340	907,460	785,885	712,717
80	50,240	43,509	39,458	345	934,346	809,169	733,834
85	56,716	49,118	44,545	350	961,625	832,793	755,258
90	63,585	55,097	48,940				

Gli spessori dati pei ferri quadrati ed esagonali, corrispondono al diam. del cerchio iscritto.

TABELLA 41

Relazione fra durezza Rockwell B e C, Brinnel, Shore e resistenza in kg/mm²

Rockwell B $P = 100$ kg sfera Φ 1/16''	Rockwell C $P = 150$ cono a 120°	Brinnel $P = 3000$ sfera Φ 10 mm	Shore	Resistenza alla trazione in kg/mm²		Rockwell B $P = 100$ kg sfera Φ 1/16''	Rockwell C $P = 150$ cono a 120°	Brinnel $P = 3000$ sfera Φ 10 mm	Shore	Resistenza alla trazione in kg/mm²	
				Acciaio al C	Acciaio al Cr. Ni.					Acciaio al C	Acciaio al Cr. Ni.
—	65	690	96	245	232	99	23	240	33	84	80
—	64	673	93	239	226	98	22	236	33	82	77
—	63	658	90	234	221	97	21	230	32	80	75
—	62	645	87	228	216	96	30	222	31	78	71
—	61	628	84	224	211	95	—	210	30	76	70
—	60	614	81	218	206	94	—	205	29	74	68
—	59	600	78	213	202	93	—	200	29	72	66
—	58	587	75	209	198	92	—	195	28	70	65
—	57	573	73	204	193	91	—	190	28	68	63
—	56	560	71	200	189	90	—	185	27	66	61
—	55	547	69	195	184	89	—	179	27	64	60
—	54	534	68	191	180	88	—	176	26	63	—
—	53	522	66	186	176	87	—	172	26	62	—
—	52	509	65	182	172	86	—	169	26	61	—
—	51	496	63	178	168	85	—	165	25	59	—
—	50	484	62	173	164	84	—	162	25	58	—
—	49	472	60	169	160	83	—	159	24	57	—
—	48	460	59	165	158	82	—	156	24	56	—
—	47	448	58	161	152	81	—	153	24	55	—
—	46	437	56	157	149	80	—	150	23	54	—
—	45	426	55	153	145	79	—	147	23	53	—
—	44	415	53	149	140	78	—	144	23	52	—
—	43	403	52	145	137	77	—	141	23	51	—
—	42	392	51	141	133	76	—	139	23	50	—
—	41	381	50	137	130	75	—	137	22	49,5	—
—	40	370	49	133	126	74	—	135	22	49	—
—	39	360	48	130	122	73	—	132	22	48	—
—	38	350	47	126	119	72	—	130	22	47	—
—	37	340	46	122	115	71	—	127	22	46	—
—	36	333	45	119	113	70	—	125	21	45	—
—	35	322	44	116	109	69	—	123	21	44,5	—
—	34	313	42	113	106	68	—	121	21	44	—
—	33	305	41	109	103	67	—	119	21	43	—
—	32	296	40	107	100	66	—	117	20	42,5	—
—	31	290	39	104	98	65	—	116	—	42	—
—	30	283	39	101	95	64	—	114	—	41,5	—
—	29	276	38	98	92	63	—	112	—	41	—
—	28	272	37	95	90	62	—	110	—	40	—
—	27	265	36	93	88	61	—	108	—	39	—
—	26	260	36	91	86	60	—	107	—	38	—
—	25	255	35	89	84	50	—	93	—	33	—
100	24	248	34	87	82	40	—	80	—	29	—

NB. – Le durezze riportate vanno considerate non in valore assoluto ma come valori di confronto. La relazione fra durezza e resistenza deve intendersi approssimata $\pm$ 5%.

TABELLA 42

Pesi specifici di alcuni corpi

ACQUA (a 4°) = 1

g/cm³

Acciaio	7,86	Ghiaia	1,8÷2,0
Alluminio puro	2,6	Ghisa	6,7÷7,8
» fuso	2,56	Gomme in genere	0,92÷0,96
Amianto	2,1÷2,8	Grafite	1,9÷2,3
» (cartone)	1,2	Granito	2,51÷3,05
Ammoniaca (cloruro)	1,5÷1,6	Guttaperca	0,96÷0,99
Antimonio	6,62	Legno pino, larice, ab.	0,8÷0,9
Ardesia	2,65÷2,70	» di faggio	0,85÷1,12
Argento	10,42÷10,53	Lignite	1,2÷1,5
Argilla asciutta	1,5÷1,6	Magnesio	1,74
Asfalto	1,1÷1,5	Malta	1,6÷1,8
Basalto	2,7÷3,2	Manganese	7,42
Bismuto	9,80	Marmo	2,7÷2,80
Bronzo	8,44	Mattoni comuni	1,4÷1,6
» di alluminio	7,70	» refrattari	1,4÷2,0
» fosforoso	8,8	Metallo bianco	7,1
Calce viva	0,9÷1,3	Mica	2,65÷3,20
» spenta	1,15÷1,25	Naftalina	1,15
Caucciù	0,92÷0,96	Nichelio	8,35
Carbon foss. (in pezzi)	1,2÷1,5	Olii minerali	0,90÷0,93
Carb. legna (in pezzi)	0,4	» e grassi animali	0,91÷0,95
Carta	0,7÷1,15	» e grassi vegetali	0,92÷0,94
Cemento	0,82÷1,95	Ottone	8,4÷8,7
Coks di gas (in pezzi)	0,3÷0,4	Paraffina	0,87÷0,91
» metall. (in pezzi)	0,4÷0,65	Petrolio	0,79÷0,82
Creta	1,8÷2,6	Piombo	10,64
Cristallo	2,6	Platino	21,3÷21,5
Cuoio	0,86÷1,02	Potassa	2,26
Diamante	3,5	Rame	8,3÷8,9
Ferro chimic. puro	7,88	Stagno	7,3÷7,5
Ferro omogeneo	7,85	Sughero	0,24
Gesso	0,97÷1,25	Zinco	6,8÷7,2
Ghiaccio	0,88÷0,92	Zolfo	1,93÷2,07