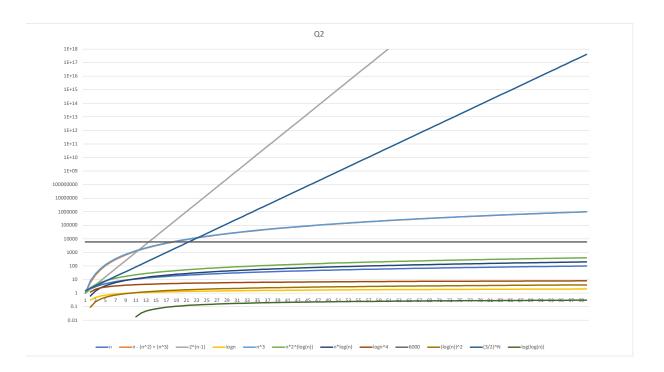
n	n - (n^2) + (n^3)	2^(n-1)	logn	n^3	n*2^(log(n))	n*log(n)	logn^4	6000	(log(n))^2	(3/2)^N	log(log(n))
1	1	1	0 201020006	1	1	0 603050001	0	6000	0 000610059	1.5	0.531300330
3	6 21	4	0.301029996 0.477121255	8 27	2.464047377 4.175890133	0.602059991 1.431363764	1.204119983 1.908485019	6000 6000	0.090619058 0.227644692	2.25 3.375	-0.521390228 -0.321371236
4	52	8	0.602059991	64	6.071529478	2.408239965	2.408239965	6000	0.362476233	5.0625	-0.220360232
5	105	16	0.698970004	125	8.11672705	3.494850022	2.795880017	6000	0.488559067	7.59375	-0.155541461
6	186	32	0.77815125	216	10.28959113	4.668907502	3.112605002	6000	0.605519368	11.390625	-0.10893598
7 8	301 456	64 128	0.84509804 0.903089987	343 512	12.57470772 14.96053629	5.91568628 7.224719896	3.38039216 3.612359948	6000	0.714190697 0.815571525	17.0859375 25.62890625	-0.073092906 -0.044268973
9	657	256	0.954242509	729	17.43805841	8.588182585	3.816970038	6000	0.910578767	38.44335938	-0.02034124
10	910	512	1	1000	20	10	4	6000	1	57.66503906	0
11	1221	1024	1.041392685	1331	22.64034918	11.45531954	4.165570741	6000	1.084498725	86.49755859	0.017614523
12 13	1596 2041	2048 4096	1.079181246 1.113943352	1728 2197	25.35404004 28.13673594	12.95017495 14.48126358	4.316724984 4.455773409	6000 6000	1.164632162 1.240869792	129.7463379 194.6195068	0.03309439 0.046863106
14	2562	8192	1.146128036	2744	30.98467558	16.0457925	4.584512143	6000	1.313609474	291.9292603	0.059233136
15	3165	16384	1.176091259	3375	33.8945604	17.64136889	4.704365036	6000	1.38319065	437.8938904	0.070441022
16	3856	32768	1.204119983	4096	36.8634702	19.26591972	4.816479931	6000	1.449904933	656.8408356	0.080669764
17 18	4641 5526	65536 131072	1.230448921 1.255272505	4913 5832	39.88879848 42.96820208	20.91763166 22.59490509	4.921795686 5.02109002	6000 6000	1.514004548 1.575709062	985.2612534 1477.89188	0.09006359 0.098738016
19	6517	262144	1.278753601	6859	46.09956124	24.29631842	5.115014404	6000	1.635210772	2216.83782	0.10678687
20	7620	524288	1.301029996	8000	49.28094755	26.02059991	5.204119983	6000	1.69267905	3325.25673	0.114287309
21	8841	1048576	1.322219295	9261	52.5105979	27.76660519	5.288877179	6000	1.748263863	4987.885095	0.12130349
22	10186	2097152 4194304	1.342422681 1.361727836	10648 12167	55.78689302 59.1083397	29.53329898 31.31974023	5.369690723 5.446911344	6000 6000	1.802098654	7481.827643 11222.74146	0.127889281 0.134090315
24	11661 13272	8388608	1.380211242	13824	62.47355587	33.1250698	5.520844967	6000	1.854302699 1.904983072	16834.1122	0.134090313
25	15025	16777216	1.397940009	15625	65.881258	34.94850022	5.591760035	6000	1.954236268	25251.16829	0.145488534
26	16926	33554432	1.414973348	17576	69.33025041	36.78930705	5.659893392	6000	2.002149575	37876.75244	0.15074826
27	18981	67108864	1.431363764	19683	72.81941604	38.64682163	5.725455057	6000	2.048802225	56815.12866	0.155750019
28 29	21196 23577	134217728 268435456	1.447158031 1.462397998	21952 24389	76.3477086 79.91414565	40.52042488 42.40954194	5.788632125 5.849591992	6000 6000	2.094266368 2.138607904	85222.69299 127834.0395	0.160515959 0.165065584
30	26130	536870912	1.477121255	27000	83.51780267	44.31363764	5.908485019	6000	2.181887201	191751.0592	0.169416147
31	28861	1073741824	1.491361694	29791	87.15780775	46.23221251	5.965446775	6000	2.224159702	287626.5888	0.173582984
32	31776	2147483648	1.505149978	32768	90.83333707	48.16479931	6.020599913	6000	2.265476457	431439.8833	0.177579777
33 34	34881 38182	4294967296 8589934592	1.51851394 1.531478917	35937 39304	94.54361076 98.28788929	50.11096002 52.07028318	6.07405576 6.125915668	6000	2.305884586 2.345427673	647159.8249 970739.7374	0.181418783 0.185111023
35	41685	17179869184	1.544068044	42875	102.0654703	54.04238155	6.176272177	6000	2.384146126	1456109.606	0.188666435
36	45396	34359738368	1.556302501	46656	105.8756856	56.02689003	6.225210003	6000	2.422077474	2184164.409	0.192094015
37	49321	68719476736	1.568201724	50653	109.7178989	58.02346379	6.272806896	6000	2.459256647	3276246.614	0.195401927
38 39	53466 57837	1.37439E+11 2.74878E+11	1.579783597 1.591064607	54872 59319	113.591503 117.495918	60.03177667 62.05151967	6.319134386 6.364258428	6000	2.495716212 2.531486584	4914369.92 7371554.881	0.1985976 0.201687815
40	62440	5.49756E+11	1.602059991	64000	121.4305896	64.08239965	6.408239965	6000	2.566596216	11057332.32	0.204678775
41	67281	1.09951E+12	1.612783857	68921	125.3949868	66.12413813	6.451135427	6000	2.601071768	16585998.48	0.207576168
42	72366	2.19902E+12	1.62324929	74088	129.388601	68.1764702	6.492997162	6000	2.634938259	24878997.72	0.210385222
43 44	77701 83292	4.39805E+12 8.79609E+12	1.633468456 1.643452676	79507 85184	133.4109441 137.4615474	70.23914359 72.31191777	6.533873822 6.573810706	6000	2.668219195 2.7009367	37318496.58 55977744.87	0.213110752 0.215757203
45	89145	1.75922E+13	1.653212514	91125	141.5399604	74.39456312	6.612850055	6000	2.733111616	83966617.31	0.218328684
46	95266	3.51844E+13	1.662757832	97336	145.6457494	76.48686026	6.651031327	6000	2.764763607	125949926	0.220829002
47	101661	7.03687E+13	1.672097858	103823	149.7784972	78.58859932	6.688391432	6000	2.795911247	188924889	0.223261691
48 49	108336 115297	1.40737E+14 2.81475E+14	1.681241237 1.69019608	110592 117649	153.9378015 158.1232742	80.69957939 82.81960792	6.72496495 6.76078432	6000 6000	2.826572098 2.856762789	283387333.4 425081000.1	0.225630034 0.22793709
50	122550	5.6295E+14	1.698970004	125000	162.334541	84.94850022	6.795880017	6000	2.886499076	637621500.2	0.230185711
51	130101	1.1259E+15	1.707570176	132651	166.57124	87.08607898	6.830280704	6000	2.915795906	956432250.3	0.232378561
52	137956	2.2518E+15	1.716003344	140608	170.8330217	89.23217387	6.864013375	6000	2.944667475	1434648375	0.23451813
53 54	146121 154602	4.5036E+15 9.0072E+15	1.72427587 1.73239376	148877 157464	175.1195478 179.4304911	91.38662109 93.54926303	6.897103478 6.929575039	6000	2.973127274 3.001188139	2151972563 3227958845	0.236606751 0.238646611
55	163405	1.80144E+16	1.740362689	166375	183.7655346	95.71994792	6.961450758	6000	3.028862291	4841938267	0.240639764
56	172536	3.60288E+16	1.748188027	175616	188.1243711	97.89852951	6.992752108	6000	3.056161378	7262907401	0.242588142
57	182001	7.20576E+16	1.755874856	185193	192.5067029	100.0848668	7.023499423	6000	3.083096509	10894361101	0.24449356
58 59	191806 201957	1.44115E+17 2.8823E+17	1.763427994 1.770852012	195112 205379	196.912241 201.340705	102.2788236 104.4802687	7.053711974 7.083408047	6000 6000	3.109678288 3.135916847	16341541652 24512312478	0.246357731 0.248182269
60	212460	5.76461E+17	1.77815125	216000	205.7918226	106.689075	7.112605002	6000	3.161821869	36768468717	0.249968699
61	223321	1.15292E+18	1.785329835	226981	210.2653292	108.9051199	7.14131934	6000	3.18740262	55152703075	0.251718463
62	234546	2.30584E+18	1.792391689	238328	214.7609676	111.1282847	7.169566758	6000	3.212667969	82729054613	0.253432922
63 64	246141 258112	4.61169E+18 9.22337E+18	1.799340549 1.806179974	250047 262144	219.2784877 223.817646	113.3584546 115.5955183	7.197362198 7.224719896	6000	3.237626413 3.262286098	1.24094E+11 1.8614E+11	0.255113367 0.256761023
65	270465	1.84467E+19	1.812913357	274625	228.3782057	117.8393682	7.251653427	6000	3.286654839	2.79211E+11	0.258377049
66	283206	3.68935E+19	1.819543936	287496	232.9599361	120.0898997	7.278175742	6000	3.310740133	4.18816E+11	0.259962547
67	296341	7.3787E+19	1.826074803	300763	237.5626125	122.3470118	7.304299211	6000	3.334549185	6.28224E+11	0.261518564
68 69	309876 323817	1.47574E+20 2.95148E+20	1.832508913 1.838849091	314432 328509	242.1860158 246.8299326	124.6106061 126.8805873	7.330035651 7.355396363	6000 6000	3.358088915 3.381365979	9.42336E+11 1.4135E+12	0.263046096 0.264546089
70	338170	5.90296E+20	1.84509804	343000	251.4941544	129.1568628	7.38039216	6000	3.404386777	2.12026E+12	0.266019448
71	352941	1.18059E+21	1.851258349	357911	256.1784782	131.4393428	7.405033395	6000	3.427157474	3.18038E+12	0.26746703
72	368136	2.36118E+21	1.857332496	373248	260.8827055	133.7279397	7.429329986	6000	3.449684002	4.77057E+12	0.268889657
73 74	383761 399822	4.72237E+21 9.44473E+21	1.86332286 1.86923172	389017 405224	265.6066429 270.350101	136.0225688 138.3231473	7.45329144 7.476926879	6000	3.471972081 3.494027222	7.15586E+12 1.07338E+13	0.270288112 0.271663142
75	416325	1.88895E+22	1.875061263	421875	275.1128953	140.6295948	7.500245054	6000	3.515854741	1.61007E+13	0.273015462
76	433276	3.77789E+22	1.880813592	438976	279.894845	142.941833	7.523254369	6000	3.537459769	2.4151E+13	0.274345755
77	450681	7.55579E+22	1.886490725	456533	284.6957736	145.2597858	7.545962901	6000	3.558847256	3.62265E+13	0.275654674
78 79	468546 486877	1.51116E+23 3.02231E+23	1.892094603 1.897627091	474552 493039	289.5155086 294.3538811	147.583379 149.9125402	7.568378411 7.590508365	6000 6000	3.580021986 3.600988578	5.43398E+13 8.15097E+13	0.276942847 0.278210872
80	505680	6.04463E+23	1.903089987	512000	299.2107257	152.247199	7.612359948	6000	3.621751499	1.22265E+14	0.279459324
81	524961	1.20893E+24	1.908485019	531441	304.085881	154.5872865	7.633940076	6000	3.642315067	1.83397E+14	0.280688755
82	544726	2.41785E+24	1.913813852	551368	308.9791884	156.9327359	7.65525541	6000	3.662683462	2.75095E+14	0.281899694
83 84	564981 585732	4.8357E+24 9.67141E+24	1.919078092 1.924279286	571787 592704	313.890493 318.819643	159.2834817 161.63946	7.67631237 7.697117144	6000	3.682860725 3.702850771	4.12643E+14 6.18965E+14	0.283092648 0.284268105
85	606985	1.93428E+25	1.929418926	614125	323.7664896	164.0006087	7.717675703	6000	3.722657391	9.28447E+14	0.285426534
86	628746	3.86856E+25	1.934498451	636056	328.730887	166.3668668	7.737993805	6000	3.742284258	1.39267E+15	0.286568386
87	651021	7.73713E+25	1.939519253	658503	333.7126924	168.738175	7.75807701	6000	3.761734931	2.08901E+15	0.287694095
88 89	673816	1.54743E+26 3.09485E+26	1.944482672	704969	338.7117655	171.1144751 173.4957106	7.777930689	6000	3.781012862	3.13351E+15 4.70026E+15	0.288804077
90	697137 720990	6.1897E+26	1.949390007 1.954242509	704969 729000	343.727969 348.7611681	173.4957106	7.797560027 7.816970038	6000	3.800121398 3.819063786	4.70026E+15 7.05039E+15	0.289898735 0.290978456
91	745381	1.23794E+27	1.959041392	753571	353.8112307	178.2727667	7.836165569	6000	3.837843177	1.05756E+16	0.292043612
92	770316	2.47588E+27	1.963787827	778688	358.8780269	180.6684801	7.855151309	6000	3.856462631	1.58634E+16	0.293094564
93	795801	4.95176E+27	1.968482949	804357	363.9614294	183.0689142	7.873931794	6000	3.874925119	2.37951E+16	0.294131657
94 95	821842 848445	9.90352E+27 1.9807E+28	1.973127854 1.977723605	830584 857375	369.0613133 374.1775557	185.4740182 187.8837425	7.892511414 7.910894421	6000	3.893233527 3.911390659	3.56926E+16 5.35389E+16	0.295155227 0.296165597
96	875616	3.96141E+28	1.982271233	884736	379.3100361	190.2980384	7.929084932	6000	3.929399241	8.03084E+16	0.297163078
97	903361	7.92282E+28	1.986771734	912673	384.458636	192.7168582	7.947086937	6000	3.947261924	1.20463E+17	0.298147973
98	931686	1.58456E+29	1.991226076	941192	389.6232392	195.1401554	7.964904303	6000	3.964981285	1.80694E+17	0.299120571
99 100	960597 990100	3.16913E+29 6.33825E+29	1.995635195	970299 1000000	394.8037313 400	197.5678843 200	7.982540778 8	6000	3.98255983 4	2.71041E+17 4.06561E+17	0.300081154 0.301029996
			-	,			-		•		



Order of Growth Worst to Best (n = 100)
2^(n-1)
(3/2)^n
n^3
n-n^2+n^3
n^2logn
nlogn
n
log(n^4)
(log(n))^2
logn
loglogn
60000