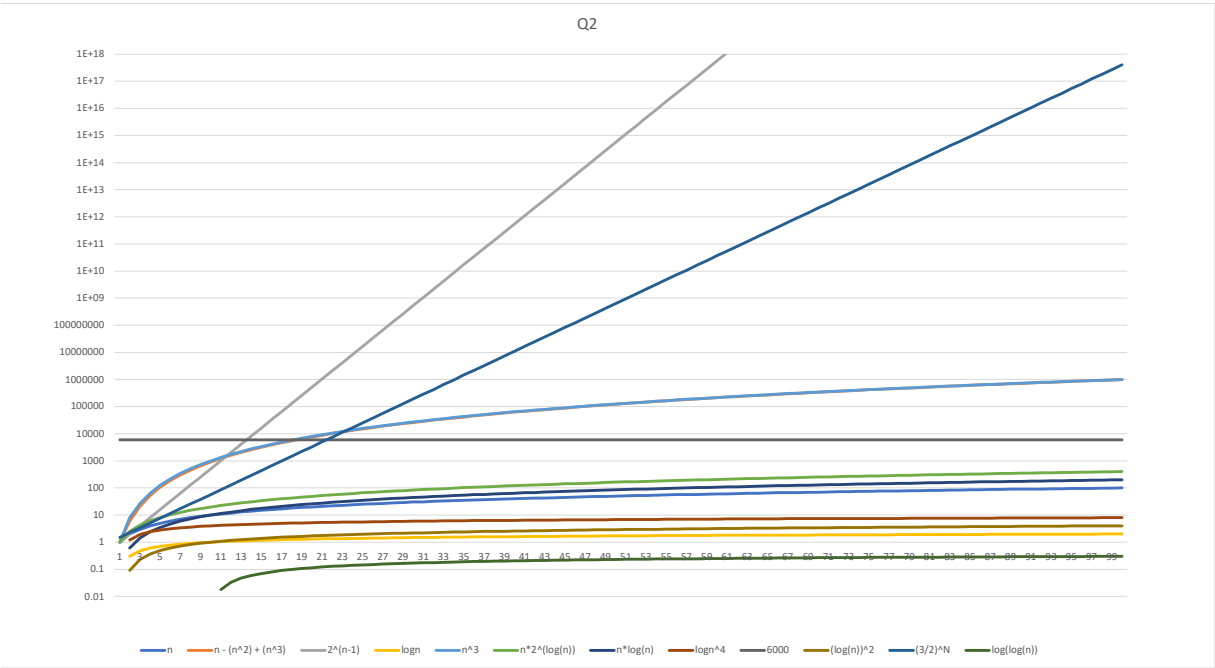


n	n - (n^2) + (n^3)	2^n(n-1)	logn	n^3	n^2*(log(n))	n*log(n)	logn^4	6000	(log(n))^2	(3/2)^n	log(log(n))
1	1	1	0	1	1	0	0	6000	0	1.5	
2	6	2	0.301029996	8	2.464047377	0.602059991	1.204119983	6000	0.090619058	2.25	-0.521390228
3	21	4	0.477121255	27	4.175890133	1.431363764	1.908485019	6000	0.227644692	3.375	-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	301	64	0.84509804	343	12.57470772	5.91568628	3.38039216	6000	0.714190697	17.0859375	-0.073092906
8	456	128	0.903089987	512	14.96053629	7.224719896	3.612359948	6000	0.815571525	25.62890625	-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	1596	2048	1.079181246	1728	25.35404004	12.95017495	4.316724984	6000	1.164632162	129.7463379	0.03309439
13	2041	4096	1.113943352	2197	28.13673594	14.48126358	4.455773409	6000	1.240869792	194.6195068	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	0.07041022
16	3856	32768	1.204119983	4096	36.8634702	19.26591972	4.816479931	6000	1.449904933	656.8408356	0.080669764
17	4641	65536	1.230448921	4913	39.88879848	20.91763166	4.921795686	6000	1.514004548	985.2612534	0.09006359
18	5526	131072	1.255272505	5832	42.96820208	22.59490509	5.02109002	6000	1.575709062	1477.89188	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	1.342422681	10648	55.78689302	29.53329898	5.369690723	6000	1.802098654	7481.827643	0.127889281
23	11661	4194304	1.361727836	12167	59.1083397	31.31974023	5.446911344	6000	1.854302699	11222.74146	0.134090315
24	13272	8388608	1.380211242	13824	62.47355587	33.1250698	5.520844967	6000	1.904983072	16834.1122	0.13949556
25	15025	16777216	1.397940009	15625	65.881258	34.94850022	5.591760035	6000	1.954236268	25251.16829	0.145488534
26	16926	3354432	1.414973348	17576	69.33025041	36.78930705	5.659893392	6000	2.002149575	37876.75244	0.15074826
27	18981	6710864	1.431363764	19683	72.81941604	38.64682163	5.725455057	6000	2.048802225	56815.12866	0.155750019
28	21196	134217728	1.447158031	21952	76.3477086	40.52042488	5.788632125	6000	2.094266368	85222.69299	0.160515959
29	23577	268435456	1.462397998	24389	79.91414565	42.40954194	5.849591992	6000	2.138607904	127834.0395	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	90.83337707	48.16479931	6.020599913	6000	2.265476457	431439.8833	0.177579777
33	34881	4294967296	1.51851394	35937	94.54361076	50.1096002	6.07405576	6000	2.305884586	647159.8249	0.181418783
34	38182	8589934592	1.531478917	39304	98.28788929	52.07028318	6.125915668	6000	2.345427367	970739.7374	0.185111023
35	41685	17179869184	1.544068004	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	53466	1.37439E+11	1.579783597	54872	113.591503	60.03177667	6.319134386	6000	2.495716212	4914369.92	0.1985976
39	57837	2.74878E+11	1.591064607	59319	117.495918	62.05151967	6.364258428	6000	2.531486584	7371554.881	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	77701	4.39805E+12	1.633468456	79507	133.4109441	70.23914359	6.533873822	6000	2.668219195	37318496.58	0.213110752
44	83292	8.79609E+12	1.643452676	85184	137.4615474	72.31191777	6.573810706	6000	2.7009367	55977744.87	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	0.220826502
47	101661	7.03687E+13	1.672097858	103823	149.7784972	78.58859932	6.688391432	6000	2.795911247	188924889	0.223261691
48	108336	1.40737E+14	1.681241237	110592	153.9378015	80.69957939	6.72496495	6000	2.826572098	283387333.4	0.225630034
49	115297	2.81475E+14	1.69019608	117649	158.1232742	82.81960792	6.76078432	6000	2.856762789	425081000.1	0.22793709
50	122550	5.6295E+14	1.698970004	125000	162.334541	84.94850022	6.795880017	6000	2.886499076	637621500.2	0.23018571
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	89.23127387	6.864013375	6000	2.94467475	1434648375	0.23451813
53	146121	4.5036E+15	1.72427587	148877	175.1195478	91.38662109	6.897103478	6000	2.973127274	2151972563	0.236606751
54	154602	9.0072E+15	1.73239376	157464	179.4304911	93.54926303	6.929575039	6000	3.001188139	3227958845	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	191806	1.44115E+17	1.763427994	195112	196.912241	102.2788236	7.053711974	6000	3.109678288	16341541652	0.246357731
59	201957	2.8823E+17	1.770852012	205379	201.340705	104.4802687	7.083408047	6000	3.135916847	24512312478	0.248182269
60	212460	5.76416E+17	1.77815125	216000	205.7918226	106.689075	7.112605002	6000	3.161821869	3678468717	0.249968699
61	223321	1.15292E+18	1.785329835	226981	210.2653292	108.9051199	7.14131394	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	246141	4.61169E+18	1.799340549	250047	219.2784877	113.3584546	7.197362198	6000	3.237626413	1.24094E+11	0.255113367
64	258112	9.22317E+18	1.806179974	262144	223.817646	115.5955183	7.224719896	6000	3.262286098	1.8614E+11	0.25671023
65	270465	1.84467E+19	1.812913357	274625	228.3782057	117.8393682	7.251653427	6000	3.286654839	2.7921E+11	0.258377049
66	283206	3.68935E+19	1.819543936	287496	232.959361	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	309876	1.47574E+20	1.832508913	314432	242.1860158	124.6106061	7.330035651	6000	3.358088915	9.42336E+11	0.263046096
69	323817	2.95148E+20	1.838849091	328509	246.8299326	126.8805873	7.355396363	6000	3.381365979	1.4135E+12	0.264546089
70	338170	5.90296E+20	1.84509804	343000	251.4941544	129.1566828	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	260.8827059	133.7279397	7.429329986	6000	3.449684002	4.77057E+12	0.268889657
73	383761	4.72237E+21	1.86332286	389017	265.606429	136.025688	7.45329144	6000	3.471972081	7.15586E+12	0.270288112
74	399822	9.44473E+21	1.86923172	405224	270.350101	138.3231473	7.476926879	6000	3.494027222	1.07338E+13	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	3.77									



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