

Growth Rates

N	Log N	N Log N	N²	N³	2^N
1	0	0	1	1	2
2	1	2	4	8	4
3	2	5	9	27	8
4	2	8	16	64	16
5	2	12	25	125	32
6	3	16	36	216	64
7	3	20	49	343	128
8	3	24	64	512	256
16	4	64	256	4,096	65,536
32	5	160	1,024	32,768	4,294,967,296
64	6	384	4,096	262,144	1.844674E+19
128	7	896	16,384	2,097,152	3.402824E+38
256	8	2,048	65,536	16,777,216	1.157921E+77
512	9	4,608	262,144	134,217,728	1.340781E+154