

Powers of two

n	2^n
0	1
1	2
2	4
3	8
4	16
5	32
6	64
7	128
8	256
9	512
10	1024
11	2048
12	4096
13	8192
14	16,384
15	32,768
16	65,536
17	131,072
18	262,144
19	524,288
20	1,048,576
21	2,097,152
22	4,194,304
23	8,388,608
24	16,777,216
25	33,554,432
26	67,108,864
27	134,217,728
28	268,435,456
29	536,870,912
30	1,073,741,824

n	2^n
31	2,147,483,648
32	4,294,967,296
33	8,589,934,592
34	17,179,869,184
35	34,359,738,368
36	68,719,476,736
37	137,438,953,472
38	274,877,906,944
39	549,755,813,888
40	1,099,511,627,776
41	2,199,023,255,552
42	4,398,046,511,104
43	8,796,093,022,208
44	17,592,186,044,416
45	35,184,372,088,832
46	70,368,744,177,664
47	140,737,488,355,328
48	281,474,976,710,656
49	562,949,953,421,312
50	1,125,899,906,842,624
51	2,251,799,813,685,248
52	4,503,599,627,370,496
53	9,007,199,254,740,992
54	18,014,398,509,481,984
55	36,028,797,018,963,968
56	72,057,594,037,927,936
57	144,115,188,075,855,872
58	288,230,376,151,711,744
59	576,460,752,303,423,488
60	1,152,921,504,606,846,976
61	2,305,843,009,213,693,952
62	4,611,686,018,427,387,904
63	9,223,372,036,854,775,808

