

n	t=Constant c (c=1)	t=Logarithmic c * log n (1 log n)	t=Linear c * n (c=1)
10	1	1	10
20	1	1.301029996	20
30	1	1.477121255	30
40	1	1.602059991	40
50	1	1.698970004	50
60	1	1.77815125	60
70	1	1.84509804	70
80	1	1.903089987	80
90	1	1.954242509	90
100	1	2	100
200	1	2.301029996	200
300	1	2.477121255	300
400	1	2.602059991	400
500	1	2.698970004	500
1000	1	3	1000
10000	1	4	10000
20000	1	4.301029996	20000
40000	1	4.602059991	40000
80000	1	4.903089987	80000
160000	1	5.204119983	160000
320000	1	5.505149978	320000
640000	1	5.806179974	640000

t=Quadratic $c * n * n$ (1 * n * n)	t=Cubic $c * n * n * n$ (1 * n * n * n)	t=Exponential $c2^n$
100	1000	1024
400	8000	1048576
900	27000	1073741824
1600	64000	1.09951E+12
2500	125000	1.1259E+15
3600	216000	1.15292E+18
4900	343000	1.18059E+21
6400	512000	1.20893E+24
8100	729000	1.23794E+27
10000	1000000	1.26765E+30
40000	8000000	1.60694E+60
90000	27000000	2.03704E+90
160000	64000000	2.5822E+120
250000	125000000	3.2734E+150
1000000	1000000000	1.0715E+301
100000000	1,000,000,000,000	#NUM!
400000000	8,000,000,000,000	
1600000000	64,000,000,000,000	
6400000000	512,000,000,000,000	
25600000000	4,096,000,000,000,000	
1.024E+11	32,768,000,000,000,000	
4.096E+11	262,144,000,000,000,000	

t=Horrible c * fact(n)

3628800

2.4329E+18

2.65253E+32

8.15915E+47

3.04141E+64

8.32099E+81

1.1979E+100

7.1569E+118

1.4857E+138

9.3326E+157

#NUM!