

Time complexity function	Size $n$					
	10	20	30	40	50	60
$n$	0.00001 second	0.00002 second	0.00003 second	0.00004 second	0.00005 second	0.00006 second
$n^2$	0.0001 second	0.0004 second	0.0009 second	0.0016 second	0.0025 second	0.0036 second
$n^3$	0.001 second	0.008 second	0.027 second	0.064 second	0.125 second	0.216 second
$n^5$	0.1 second	3.2 seconds	24.3 seconds	1.7 minutes	5.2 minutes	13.0 minutes
$2^n$	0.001 second	1.0 second	17.9 minutes	12.7 days	35.7 years	366 centuries
$3^n$	0.059 second	58 minutes	6.5 years	3855 centuries	$2 \times 10^8$ centuries	$1.3 \times 10^{13}$ centuries

Table 1: Comparison of several polynomial and exponential time complexity functions.

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