

Expression	Dominant term(s)	$O(\dots)$
$5 + 0.001n^3 + 0.025n$	$0.001n^3$	n^3
$500n + 100n^{1.5} + 50n \log_{10} n$	$100n^{1.5}$	$n^{1.5}$
$0.3n + 5n^{1.5} + 2.5 \cdot n^{1.75}$	$2.5n^{1.75}$	$n^{1.75}$
$n^2 \log_2 n + n(\log_2 n)^2$	$n^2 \log n$	$n^2 \log n$
$n \log_3 n + n \log_2 n$	$n \log n$	$n \log n$
$3 \log_8 n + \log_2 \log_2 \log_2 n$	$3 \log_8 n$	$\log n$
$100n + 0.01n^2$	$0.01n^2$	n^2
$0.01n + 100n^2$	$100n^2$	n^2
$2n + n^{0.5} + 0.5n^{1.25}$	$0.5n^{1.25}$	$n^{1.25}$
$0.01n \log_2 n + n(\log_2 n)^2$	$n(\log_2 n)^2$	$n(\log n)^2$
$100n \log_3 n + n^3 + 100n$	n^3	n^3
$0.003 \log_4 n + \log_2 \log_2 n$	$\log_2 \log_2 n$	$\log \log n$