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