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Exercise 5

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Exercise 5

10 points possible (graded)

ESTIMATED TIME TO COMPLETE: 10 minutes

For each of the following expressions, select the order of growth class that best describes it from the following list:

$O(1)$, $O(\log(n))$, $O(n)$, $O(n \log(n))$, $O(n^c)$ or $O(c^n)$.

- $5n$

Select an option ▾

- $3n^2 + 2n - 100$

Select an option ▾

- $10 \log(n) + 5n$

Select an option ▾

- $10 \log(n) + 5n^2$

Select an option ▾

- $3n^3 - 2000n^2$

Select an option ▾

- $2n^2$


Select an option ▾

- $50n + n \log(n)$




▼ **Week 6:**
Algorithmic
Complexity


11.
Computational
Complexity

[Finger Exercises](#) 

12. Searching and
Sorting Algorithms

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Problem Set 6

[Problem Set due Mar](#)
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Plotting

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Select an option ▼

- $1000 + 2000000$

Select an option ▼

- $2^n + n^2$

Select an option ▼

- $\log n + 1000$

Select an option ▼

Submit

Exercise 5

Topic: Lecture 11 / Exercise 5

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