

# CS240

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# Sorting Quiz 1/2

- Fill in the following table with the appropriate WORST-CASE big-O values.

	# comparisons	# assignments
Selection		
Insertion		
Quick		
Merge		

# Sorting Quiz 2/2

- Fill in the following table with the appropriate AVERAGE-CASE big-O values.

	# comparisons	# assignments
Selection		
Insertion		
Quick		
Merge		

# Sorting Quiz 1/2 - Solutions

- Fill in the following table with the appropriate WORST-CASE big-O values.

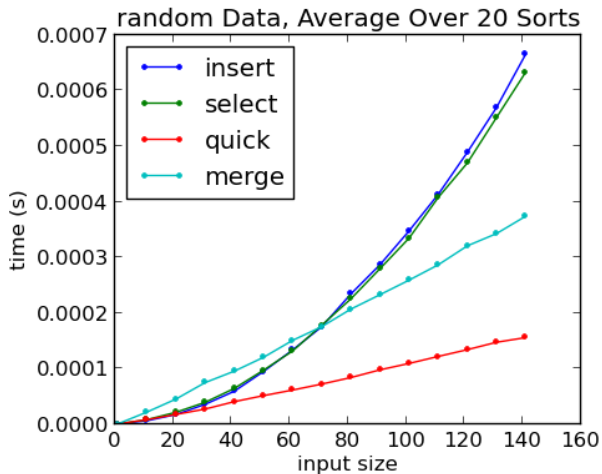
	# comparisons	# assignments
Selection	$O(n^2)$	$O(n)$
Insertion	$O(n^2)$	$O(n^2)$
Quick	$O(n^2)$	$O(1)$
Merge	$O(n \log n)$	$O(n \log n)$

# Sorting Quiz 2/2 - Solutions

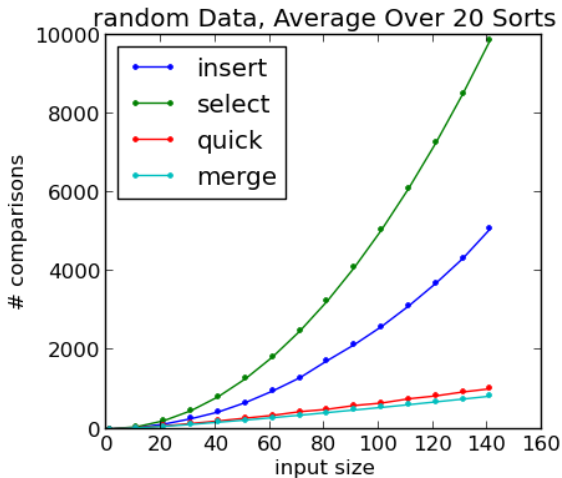
- Fill in the following table with the appropriate AVERAGE-CASE big-O values.

	# comparisons	# assignments
Selection	$O(n^2)$	$O(n)$
Insertion	$O(n^2)$	$O(n^2)$
Quick	$O(n \log n)$	$O(n \log n)$
Merge	$O(n \log n)$	$O(n \log n)$

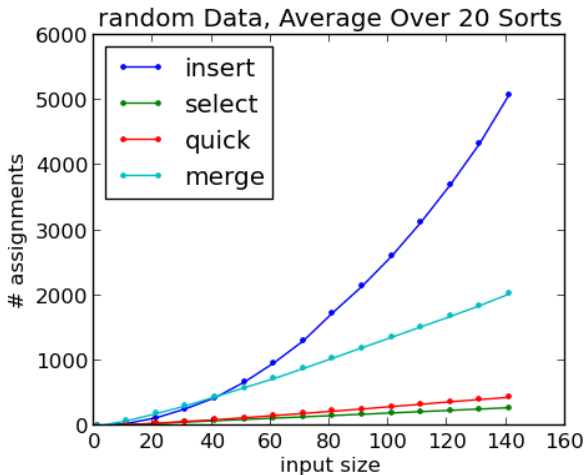
# Sorting Random Inputs - Time



# Sorting Random Inputs - Comparisons

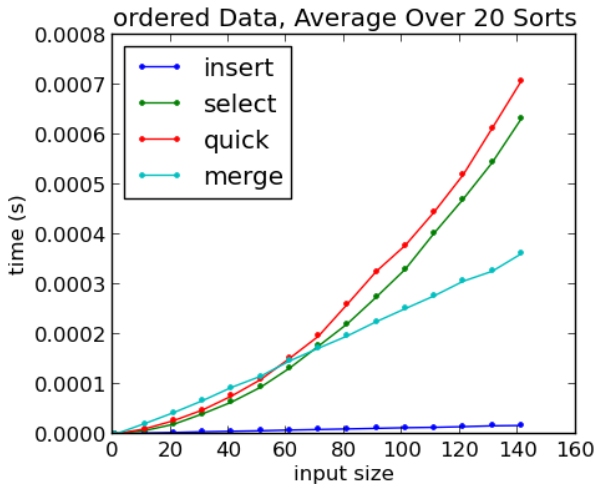


# Sorting Random Inputs - Assignments

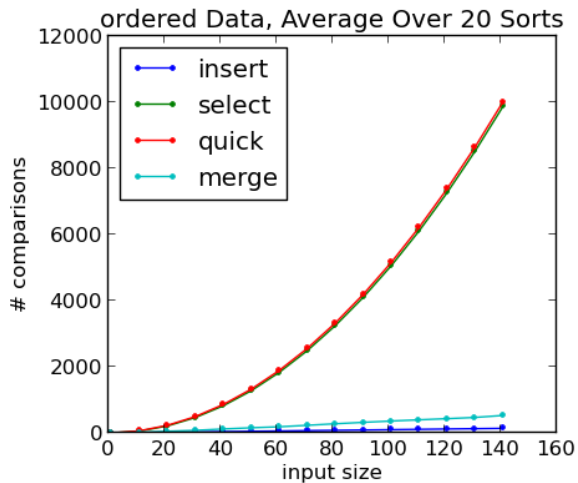




# Sorting Ordered Inputs - Time



# Sorting Ordered Inputs - Comparisons



# Sorting Ordered Inputs - Assignments

