29.6 Exercises

Factual

1. How many inversions are there in the array `[10, 100, 60, 40, 50]` ?
2. What is the space complexity of selection sort?

> Problem 1

> Problem 2   #

Procedural

1. Draw the process of heapsort on the array `[5, 9, 2]` , starting with the heapified array and removing the maximum each time.
2. If we are insertion sorting `[5, 6, 7, 1, 8, 9, 2]` , how many total swaps will occur?

> Problem 1

> Problem 2

Metacognitive

1. Which sort do you expect to run more quickly on a reversed array, selection sort or insertion sort?

> Problem 1

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