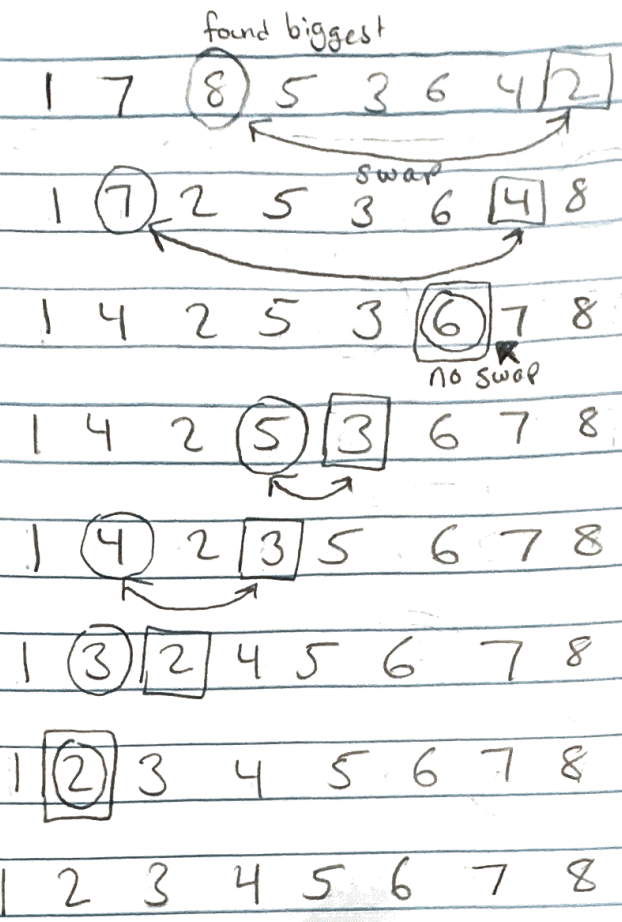
Selection Sort: 1 7 8 5 3 6 4 2



Insertion sort: 1 7 8 5 3 6 4 2

1

1 7

1 7 8

swap from right to left

1 7 8 5 ⇒ 1 5 7 8

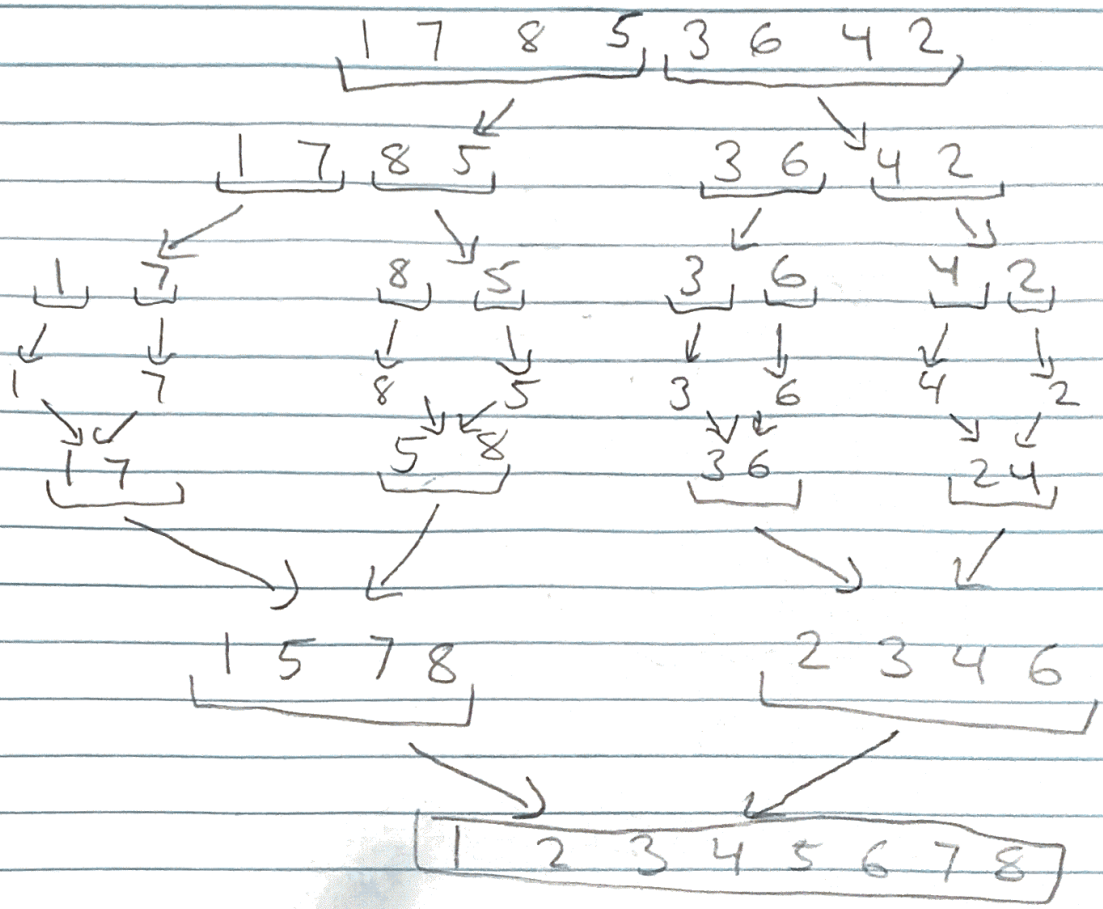
1 5 7 8 3 ⇒ 1 3 5 7 8

1 3 5 7 8 6 ⇒ 1 3 5 6 7 8

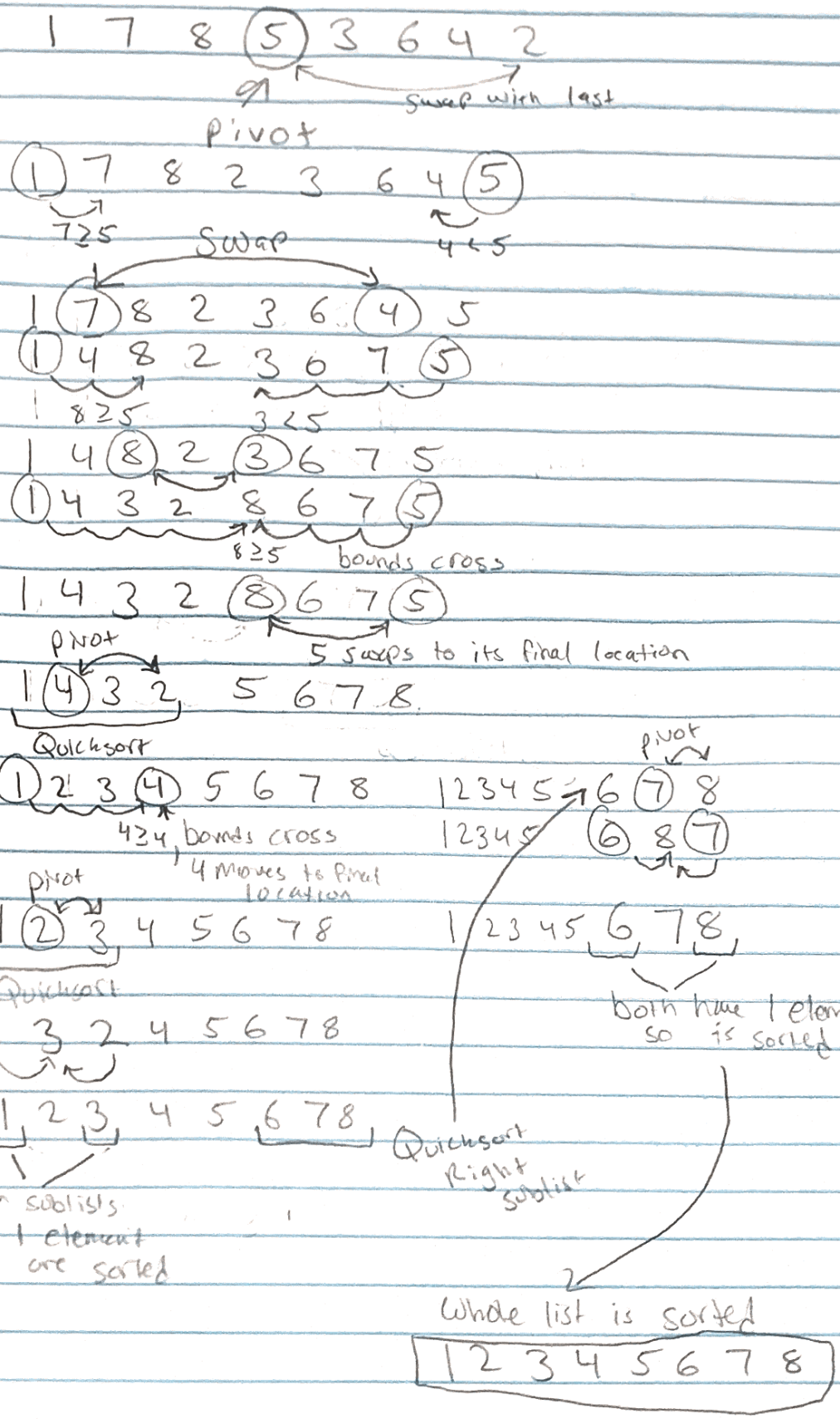
1 3 5 6 7 8 4 ⇒ 1 3 4 5 6 7 8

1 3 4 5 6 7 8 2 ⇒ 1 2 3 4 5 6 7 8

Merge Sort: 1 7 8 5 3 6 4 2



Quick Sort: 1 7 8 5 3 6 4 2



Heap Sort: 1 7 8 5 3 6 4 2