

Case 1 insertion sort:

- Step 1
 - Current element: 5
 - Array after step 1 [5, 8, 2, 1]
- Step 2
 - Current element: 2
 - Array after step 2 [2, 5, 8, 1]
- Step 3
 - Current element: 1
 - Array after step 3 [1, 2, 5, 8]

Case 2 insertion sort:

- Step 1
 - Current element: 2
 - Array after step 1 [2, 10, 3, 4]
- Step 2
 - Current element: 3
 - Array after step 2 [2, 3, 10, 4]
- Step 3
 - Current element: 4
 - Array after step 3 [2, 3, 4, 10]

Case 1 selection sort:

- Step 0
 - Exchange 1 with 8
 - Array after step 0 [1, 5, 2, 8]
- Step 2
 - Exchange 2 with 5
 - Array after step 2 [1, 2, 5, 8]
- Step 3
 - No exchange needed
 - Array after step 3 [1, 2, 5, 8]

Case 2 selection sort:

- Step 0
 - Exchange 2 with 10
 - Array after step 0 [2, 10, 3, 4]
- Step 2
 - Exchange 3 with 10
 - Array after step 2 [2, 3, 10, 4]
- Step 3
 - Exchange 4 with 10
 - Array after step 3 [2, 3, 4, 10]