

[22,27,16,2,18,6] Insertion Sort

1:

[22,**27**,16,2,18,6] => [22,27,16,2,18,6]

2:

[22,27,**16**,2,18,6] => [16,22,27,2,18,6]

3:

[16,22,27,**2**,18,6] => [2,16,22,27,18,6]

4:

[2,16,22,27,**18**,6] => [2,16,18,22,27,6]

5:

[2,16,18,22,27,**6**] => [2,6,16,18,22,27]

$O(n^2)$

=>Bu dizide 18, ortada bir yerlerde olduğu için average case olarak geçer.

[7,3,5,8,2,9,4,15,6] Selection Sort ilk 4 adım

1:

[2,3,5,8,7,9,4,15,6]

2:

[2,3,5,8,7,9,4,15,6]

3:

[2,3,4,8,7,9,5,15,6]

4:

[2,3,4,5,7,9,8,15,6]