Insertion Sort Projesi

1) [22,27,16,2,18,6]

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

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

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

2) n+(n-1+(n-1)+(n-2)….+1 = n\*(n+1)/2=(n^2+n)/2 O(n^2)

3) [2,6,16,18,22,27]

Best case worst case

Average case

4) [2,6,16,18,22,27]

Average case

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

[2,3,5,8,7,9,4,15,6] n-1

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

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

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