رين سرى اول طراه ماللورس سوال اول) $n-\frac{n}{2}+1$ $\log^n - \log^2$ $= \frac{n}{2} \log_0^n + \log_2^n$ n-1+1=سول روم) Insertion sort الف) 15 int inij for (i=1; i<n; i++) } next = list[i]

list [j+1] = list [j];

PAYCO

 $O(n^2)$ \leftarrow \overline{U} \overline $O(n^2) \leftarrow \dot{v}_{i}\dot{v}_{i}$ (? [0] [1] [2] [3] [4] [5] , 7, 5, 3, 2, 3, 1i = t, next = B, j = i - 1, list [j + 1] = list [j] i = t, next = B, j = i - 1, list [j + 1] = next i = t, next = B, j = i - 1, list [j + 1] = next i = t, next = B, j = i - 1, list [j + 1] = next i = t, next = B, j = i - 1, list [j + 1] = next3 5 7 27 3 2 3 3 1 7 5 7 3 3 2 5 3 1 7 17 3 2 2 3 57 57 57 3 57 5 7