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Selection Sort
Take largest element and Swap of with it's correct index.
Example
       4, 5, 1, 2, 3
        4, 3, 1, 2,5
        2, 3, 1, 4,5
        2,1,3,4,5
       1, 2, 3,4,5 -> Sorted
Complexity
                              · of Componison.
   0+1+2+ ... +(n-1)
                                            best and worst
          (n-1) *(n-1 +1)
  * Reyours well on small list
 ¥ Pseudo code
 for (inti=0; i < arr. length; i++)
          int last = arr. length-i-1;
         int max = getmax Int (ar, o, last)
         Swap (air, max Index, last)
```

int getmax(arr, s, e) for (i=5; i <= e; i++)

if (arr [max] < arrCi])

max = i

Ceturn max;

Swap ( arr, first second ) temp = arr (first) ari [first] = ari [se cond] arr [second] = temp