```
Selection-Sort : A = { 1,6,3,4,5 }
                          to (n-1)
        for j=1
                                                             selectionSort
                                                             Sayfa 1
    J=1; ek=1,
fori=j+1 ton I=2, A[2] (A[1] Hayır.
                                                             Dogrulang
                                                              Analiz
           =3 A[3] <A[1] Hayr
           I=4 A[4] < A[1] Hayir
           i=b endfor A[1] \rightarrow \{1, ..., \}
for i=j+ton 1=3 A[3] <A[2] evet, ek=3
           1=4 A[4] < A[3] Hayır
          i=6 \text{ end for } \longrightarrow A[2]=A[3] \to \{1,3,6,4,5\}
    J=3, ek=3
for i=j+1 ton i=4 A[4] <A[3] evet ek=4
                                        > A[3] (> A[4] > {113,4,6,5}
          1=5 A[5] < A[4] Hayir.
           i=6 endfor
    \hat{J}=4, ek=4
for i=j+1 ton 1=5 A[5] < A[4] evet el=5
           i=6 end for \longrightarrow A[4] \leftrightarrow A[5] \rightarrow \{1,3,4,5,6\}
    J=5 \rightarrow end for
                                               >1
            n = leigth (A) -
                                               \rightarrow n
            for j=1 to n-1 -
                                                \rightarrow n-1
               do ek=j
for i=j+1 to n
                                                \Rightarrow \frac{n-1}{n-1}(n-j+1)
                                                > \( \frac{1}{2} \)
                  do if A[i] < A[ek] -
   JA161
                  then ekzi-
               Hardegistir A[j] (A(h)
                                                   > n-1
```

$$T(n) = C_{1} + C_{2}n + C_{3}(n-1) + C_{4} \cdot \sum_{j=1}^{n-1} (n-j+1) + C_{5} \cdot \sum_{j=1}^{n-1} (n-j) + C_{5} \cdot \sum_{j=1}^{n-1} (n-j) + C_{4} \cdot \sum_{j=1}^{n-1} (n-j) + C_{5} \cdot \sum_{j=1}^{n-1} (n-$$

$$\frac{h-1}{\sum_{n} - j + 1} = \frac{h-1}{\sum_{j=1}^{n} - \sum_{j=1}^{n-1} j + (n-1)} = n(n-1) - \frac{(n-1)n}{2} + (n-1) = \frac{n(n-1)}{2} + (n-1) = \frac{n+2}{2} + (n-1) = \frac{n+2}{2} + (n-1) = \frac{n-1}{2} + (n-1)$$

Sayfa 2 Dografame/Analit