Örnek', Bubble Sort for i=1 to n -> C1 do for j=n down to i+1 -> C2 do if A[j] < A[j-1] -> C3 then excharge A[j] (>) A[j-1] $\frac{1}{\sum_{i=1}^{n} (1)} = \sum_{i=1}^{n} (1) = \sum_{i=1}^{n} (n-i-1+1)$ $= \sum_{i=1}^{n} (n-i-1+1)$ $T(n) = C_1(n+1) + C_2 \sum_{i=1}^{n} (n-i+1) + C_3 \sum_{i=1}^{n} (n-i) + C_4 \sum_{i=1}^{n} (n-i)$ $T(n) = c_1(n+1) + c_2 \sum_{i=1}^{n} + \sum_{i=1}^{n} (n-i) (c_2 + c_3 + c_4)$ $= \Phi(n) + \frac{n}{i=1} - \frac{n(n+1)}{2} = n^2 - \frac{n^2 + n}{2}$ $=\Theta(n)+\frac{n^2}{2}-\frac{n}{2}$

 $=\Theta\left(n^2\right)$ alwa.