Algoritma Analizi 2

3 Mart 2022 Perşembe 15:20

$$\sum_{i=0}^{n-1}\sum_{j=0}^{n-1}\sum_{k=0}^{n-1} 3 = \sum_{i=0}^{n-1}\sum_{j=0}^{n-1} 3 \cdot \sum_{k=0}^{n-1} 1$$

$$= 3 \cdot \sum_{i=0}^{n-1}\sum_{j=0}^{n-1} n = 3n \cdot \sum_{i=0}^{n-1} n = 3n^2 \cdot \sum_{i=0}^{n-1} 1$$

$$= 3n^3 \in \Theta(n^3)$$