Assignment#1 Question#1 Andrew Plum

Wednesday, September 20, 2023 1:04 AM

$$1) \sum_{i=0}^{n-1} \sum_{i=0}^{n-1} 1 = \sum_{i=0}^{n-1} (n-1) - 0 + 1 = \sum_{i=0}^{n-1} n =$$

$$= [(n-1) - 0 + 1]\, n \approx \boxed{\Theta(n^2)}$$