

DS_HW02 - 20165118 - 이진호

Problem. 1

$\frac{2}{n}, 128, \log n, n^{\frac{1}{2}}, n \log n, n^2, 42n^3, (2^n, 2^{n+1}), 3^n, n!$ ↙ grow at the same rate

Problem. 2

a) $\frac{n(n+1)}{2} \rightarrow O(n^2)$

b) $23n \rightarrow O(n)$

c) $\log_k x \rightarrow O(\log n)$