

R-4.7.

a) The upper bound of the algorithm A is:

$$f(n) \leq c \cdot f(n) \quad \forall n \geq n_0, \quad c \text{ is a constant}$$

b)  $O(f(n))$  means:

$$f(n) \leq c \cdot f(n) \quad \forall n \geq n_0, \quad c \text{ is a constant}$$

$\Rightarrow$  a) and b) are equivalent