

Assume that the function g(n) is the time required to run Algorithm A.

An algorithm A is said to be "of order f(n)," denoted by O(f(n)), if constants c1, c2, and n_0 can be found such that:

c1 * f(n) < g(n) < c2 * f(n)

for a problem of size $n > n_o$

ORDEROO1

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