What is the time complexity of given function? f(n)=n+4.

Solution:

Given,

f(n)=n+4

- n+4 >= n+4
- n+4 >= n, where n >= 1
- n+4 >= n, for all n>=1

f(n) >= n, for all n>=1

Compare with the standard Big omega notation equation that is,

f(n) >= c*g(n), for all n_0>=n

Here,
g(n) = n,
c = 1
n0 = 1

- f(n)=Ω(g(n))
- f(n)=Ω(n)