notes of **asymptotic notation**

$f(n) = \Theta(g(n)), f(n) = n, g(n) = n$

$f(n) = \mathrm{O}(g(n)), f(n) = n, g(n) = 2n, including : \Theta$

$f(n) = \Omega(g(n)), f(n) = 2n, g(n) = n, including : \Theta$

$f(n) = o(g(n)), f(n) = n, g(n) = 2n$

$f(n) = \omega(g(n)), f(n) = 2n, g(n) = n$