

Resultados del TP1

Punto 1

$$CT = \frac{5}{2}n^2 + \frac{15}{2}n - 7 \quad \Theta(n^2)$$

Punto 2

$$CT = 9n^2 - 4n \quad \Theta(n^2)$$

Punto 3.a

$$CT = \frac{7}{2}n^2 + \frac{33}{2}n + 5 \quad \Theta(n^2)$$

Punto 3.b

$$CT = 12n^2 + 12n + 4 \quad \Theta(n^2)$$

Punto 3.c

$$CT = 2n^3 + \frac{21}{2}n^2 + \frac{47}{2}n - 35 \quad \Theta(n^3)$$

Punto 3.d

$$CT = 2n^3 + \frac{27}{2}n^2 + \frac{65}{2}n - 134 \quad \Theta(n^3)$$

Punto 3.e

$$CT = \frac{5}{3}n^3 + 14n^2 + \frac{109}{3}n + 2 \quad \Theta(n^3)$$

Punto 3.f

$$CT = 3n^3 + \frac{19}{2}n^2 + \frac{25}{2}n + 3 \quad \Theta(n^3)$$

Punto 5

1, 192, $\log \log n$, $\log n$, $(\log n)^2$, \sqrt{n} , n , $n(1 + \epsilon)$, $n \log n$, n^3 , $n - n^3 + 7n^5$, n^k , 2^n , $n!$