

## LAB 8

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### Problema 3

a) Bucle externo:

$$i = 1 \rightarrow 1$$

$$i = 2 \rightarrow 2$$

$$i = 3 \rightarrow 3$$

...

$$K_i = n/3$$

Bucle interno

$$i = 1 \rightarrow 1$$

$$i = 2 \rightarrow 5$$

$$i = 3 \rightarrow 9$$

$$j = 1 + 4(t-1) = 4t - 3 = n$$

$$\Rightarrow K_j = \frac{n+3}{4} \approx \left\lceil \frac{n}{4} \right\rceil$$

$$\therefore K = K_i + K_j = \left( \frac{n}{3} \right) + \left( \frac{n}{4} \right) = \frac{n^2}{12}$$