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Practica 3

Ejercicio 2

Buck While Interior:

Pasos j

$$\frac{1}{2}$$
 $\frac{1-4}{2}$
 $\frac{1-2}{2}$
 $\frac{1}{2}$
 $\frac{$

Coste While Interior: i. (1+2)+1= 3i+1

Buch While Exterior

Pasos	i
4	3
2	9
3	77
K	3 K
KT	(m+1

En este algoritmo coincide el caso major y peor

Resolución

= M+1 = 3 -0 m+1 =
$$\frac{3P}{3}$$
 -0 3(m+1) = 3P-0 log 3(3(m+1)) = P =

$$\log_{3}(m+1)+1 = \frac{1}{3} \cdot \sum_{p=1}^{\log_{3}(m+1)+1} + 1 = 3 \cdot \frac{3 \cdot (3^{p})+1}{3-1}$$

$$= \frac{3}{2} (33^{\log 3(m+1)} - 1) = \frac{3}{2} (3(m+1) - 1) \in \Theta (m)$$

$$= \frac{3}{2} (33^{\log 3(m+1)} - 1) = \frac{3}{2} (8(m+1) - 1) \in \Theta (m)$$