(3) 
$$+(n)=1+\sum_{i=1}^{n}1+\sum_{j=3}^{n}1+\sum_{i=1}^{n}1+\sum_{j=3}^{n}1+\sum_{i=1}^{n}1+\sum_{j=3}^{n}1+\sum_{i=1}^{n}1+\sum_{j=3}^{n}1+\sum_{i=1}^{n}1+\sum_{j=1}^{n}1+\sum_{i=1}^{n}1+\sum_{j=1}^{n}1+\sum_{i=1}^{n}1+\sum_{j=1}^{n}1+\sum_{i=1}^{n}1+\sum_{j=1}^{n}1+\sum_{i=1}^{n}1+\sum_{j=1}^{n}1+\sum_{i=1}^{n}1+\sum_{j=1}^{n}1+\sum_{i=1}^{n}1+\sum_{j=1}^{n}1+\sum_{i=1}^{n}1+\sum_{j=1}^{n}1+\sum_{i=1}^{n}1+\sum_{j=1}^{n}1+\sum_{i=1}^{n}1+\sum_{j=1}^{n}1+\sum_{i=1}^{n}1+\sum_{j=1}^{n}1+\sum_{j=1}^{n}1+\sum_{i=1}^{n}1+\sum_{j=$$

$$n = 2^{k}$$
  $T(2^{k}) = 4 + 2^{k} + 2^{k} \cdot 3 + T(2^{k-1})$   
 $T(2^{k}) = 2^{k}$   $2^{k} = 4 + 2^{k} + 4^{k} \cdot 3 + 2^{k-1}$ 

$$X = A + 2^{K}B + 4^{K}C$$
 $X = A + B + Cn^{2}$ 

$$O(n^2)$$

$$(9)$$
  $T(n) = wax(1, 1+t(n-1))$   
 $T(n) = (+T(n-1))$   
 $\frac{HOMOGÉNEA}{X^{n-1}(X-1)} = 0$   
 $x^{n-1}(X-1) = 0$   
 $x = 1$ 

xH = A - 1" = A

$$x=x^{H}+x^{P}=A+Bn$$
Couplejidad:  $O(n)$