[5]

n-216-2

n-2 = 2k

$$T(n) = T(n-2) + 3$$
  
=  $[T(n-4) + 3] + 3$   
=  $[[T(n-6) + 3] + 3] + 7]$ 

$$\sum_{i=0}^{N-2} 3i$$

$$T(n) = (cost de bare case) (# of times have are is reached + \sum_{i=0}^{n-2} 3i$$

$$= (r)(1^{i}) + 2^{\frac{n}{2}}$$

$$= (5)(11) + 3\sum_{i=0}^{2}i$$

= (5) + 8 
$$\left(\frac{n-2}{2}\left(\frac{n-2}{2}+1\right)\right)$$

= (5)+ 
$$3\left(\left(\frac{N-2}{2}\right)\left(\frac{N-2}{2}+\frac{2}{2}\right)\right)$$

$$= (5) + 3 \left( \left( \frac{n-2}{2} \right) \left( \frac{n}{2} \right) \right)$$