

$$T(n) = T(n/2) + 4$$

$$T(n) = 4 + T(n/2)$$

$$T(n) = 4 + 4 + T(n/2)$$

$$4x2 + T(n/2)$$

$$T(n) = 3n + 3T(n/3)$$

$$T(n) = 3n + 3\left(\frac{3n}{3} + 3T(n)\right)$$
 $T(n) = 3n(\kappa) + 3^{k} + 3T(n)$

(1+4)

$$T(n) = 3n + 3n + 3^{2}T(n)$$





