Problema Complexitat

```
int PotenciaRec (int b, int n) {
    int pot;
    if (n == 0)
        return 1;
    if (n % 2 == 0) {
        pot = PotenciaRec (b, n/2);
        return pot·pot
    } else {
        pot = PotenciaRec (b, (n-1)/2);
        return pot·pot·b;
    }
}
```

$$t(n) \begin{cases} t(n-1)/2 + d \\ t(n/2) + d \end{cases}$$

$$T(x,n) = 2 \cdot T(x, n/2) + c \rightarrow 4 \cdot T(x, n/4) + 2c + c \rightarrow \sum_{i=1}^{\log_2 n} 2^{i-1} \cdot c \rightarrow \boxed{t(n) = O(\log n)}$$