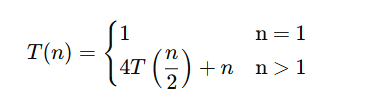
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T(n) =4T(n/2) +n

⬄ 4[4T(n/4) + n/2] +n =16T(n/4) + 2n +n =16T(n/4) +3n=T(n/2^2)+3n

⬄16[4T(n/8) + n/4] + 3n= 64T(n/8) +4n+3n=64T(n/8)+7n=T(n/2^3)+7n

⬄64[4T(n/16)+n/8] +7n= 256T(n/16) +8n +7n=256T(n/16)+15n=T(n/2^4)+15n

……………

⬄ T(n)=T(n/) +(-1)n

Chương trình dừng lại khi : n/ =1 => n==>k=

⬄ T(1) + (-1)n

T(n) = T(1) + (-1)n= T(1)+ (-1)n

=T(1)+n(n−1) O()