```
Cont ← 2^n
For j ← 1 to n do
    S ← Cont
    While S ≥ 1 do
        S ← S/2
    end While
end For
return S
```

While

$S_0 = 2^n$

$S_1 = \frac{S_0}{2} = \frac{2^n}{2^2}$

$S_2 = \frac{S_1}{2} = \frac{2^n}{2^3}$

$S_k = \frac{S_{k-1}}{2^k} = \frac{2^n}{2^k}$

↙ Despejando

$\frac{2^n}{2^k} \leq 1 \Rightarrow 2^n \leq 2^k \Rightarrow n = k$

$O(F(n)) F O(n^2)$

While $= 3n$

For $= n$

$t(n) = 3n^2 + 2$