

3 from 1000

Amortized

Amortized time complexity

Amortized time complexity

Amortized time = $\frac{\text{time for w.c. series}}{\text{series length}}$

1. Amortized time complexity

2. Amortized time complexity

3. Amortized time complexity



increment: ~~1~~
i ← 1

while (A[i] = 1)

A[i] ← 0

i ← i + 1

end while

A[i] = 1

$$\text{Amortized} = \frac{O(h)}{h} = O(1)$$

$$h + \frac{h}{2} + \frac{h}{4} + \dots + 2 + 1 \leq 2h$$

$$(1 - \frac{1}{2}) (1 + \frac{1}{2} + \frac{1}{4} + \frac{1}{8} + \frac{1}{16} \dots) = 1$$

$$1 + \frac{1}{2} + \frac{1}{4} + \frac{1}{8} + \dots = \frac{1}{1 - \frac{1}{2}} = 2$$

הנהגה נכונה

$$\sum_{i=1}^n c_i \geq \sum_{i=1}^n c_i$$

$\gamma_{\text{withdraw}} = 0$

[illegible]

מחזורי 2 מחזור 1 1 8 0 4 מחזור 2 6 7 8 9

7 8 0 ~ 50' 07, 08 08 09 10 ~~11~~

Chromatogram 13/15.1 FC 1602.1 f2

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$$\Phi(10) = 0 \quad p \wedge$$

$$I(D_n) \geq 0$$

$$\Phi(00000) = 0 = \Phi(p_0)$$

$$\hat{c}_i = c_i + \overline{\Phi}(D_i) - \overline{\Phi}(D_{i-1})$$

$$\lim_{i \rightarrow \infty} c_i = \sum_{i=0}^{\infty} c_i + \Phi(D_h) - \Phi(D_0)$$

of $N^{\vee}(r)$ is also R -finite and

$$\Phi(D_i) - \Phi(D_{i-1}) = \underbrace{(b f(D_{i-1}) - t_i + 1)}_{\Phi(D_i)} - \underbrace{b(D_{i-1})}_{\Phi(D_{i-1})} = 1 - t_i$$

