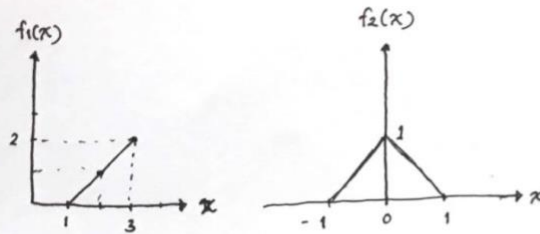


## LAPORAN QUIZ 6

EL 2008 PENYELESAIAN MASALAH DENGAN C

Fadia Hanifa Suwandoko / 18318029

### 1. Penurunan Persamaan



FADIA HANIFA J.

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$$f_3(x) = f_1(x) * f_2(x)$$

$$f_3(x) = \int_{-\infty}^{\infty} f_1(t) \cdot f_2(x-t) dt$$

$$= \int_1^3 f_1(t) \cdot f_2(x-t) dt ; f_1(t) \text{ hanya terdefinisi pada } 1 \leq t \leq 3.$$

$$f_3(x) = \sum_{t=1}^3 f_1(t) \cdot f_2(x-t) \cdot \Delta t.$$

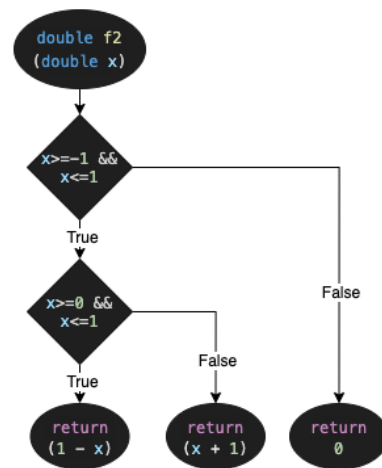
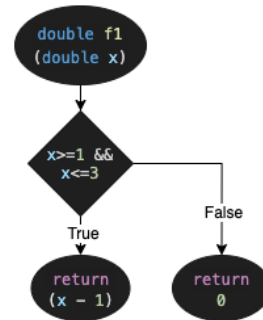
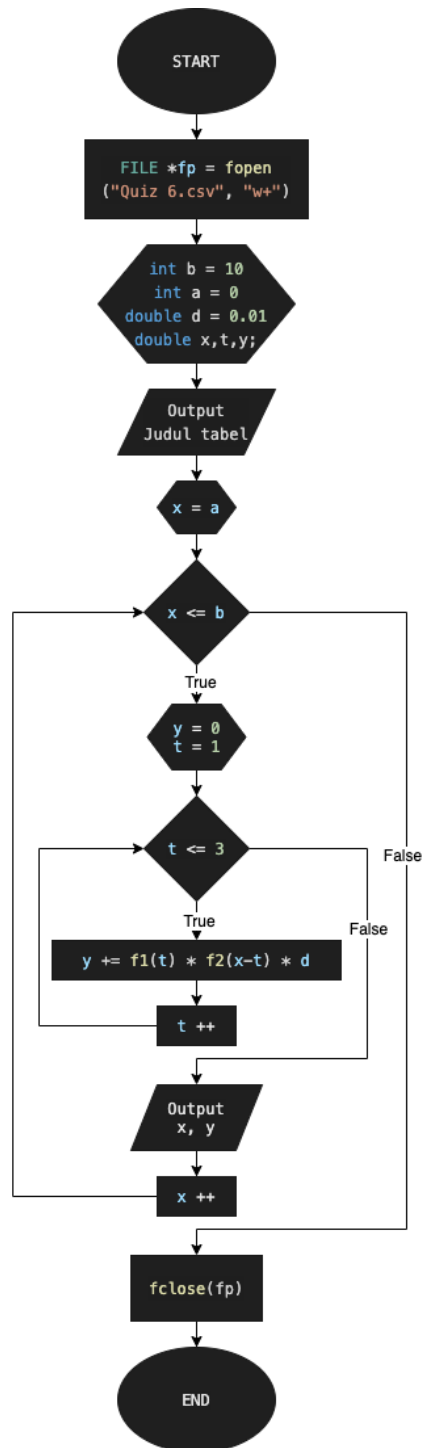
$$\text{dengan } f_1(x) = \begin{cases} x-1, & 1 \leq x \leq 3 \\ 0 & \text{otherwise} \end{cases}$$

$$f_2(x) = \begin{cases} x+1, & -1 \leq x \leq 0 \\ -x+1, & 0 < x \leq 1 \\ 0, & \text{otherwise} \end{cases}$$



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## 2. Flowchart



### 3. Grafik Hasil

