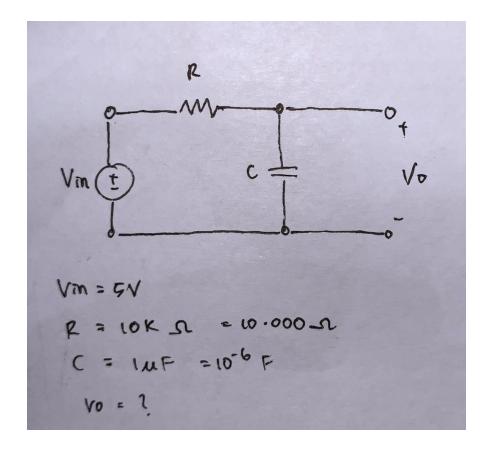
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# LAPORAN QUIZ 04 PMC EL2008

## 1. SOAL Quiz 04

=> Mencari nilai dari Vo dari rangkaian berikut :



#### 2. PENURUNAN RUMUS

```
Penununan Rumus:
    KVL
   -Vin + IR + Vo = 0
     Vo = -IR + Vin
  =) I yang Melewari kapasitor C = CdVc41 = CdVo (+) =) dalam parameter dt dt waken
4 Vo = - IR + Vin
    Voct)=- C dvon) R + Vin
    Vo(t)=Vm - CR AVO (+) => (+) = Vo(+) - Vo(+-4+)
     Vocto = Vm - CA (Vocto-Voct-At)
     At Vocto = At . Vm - CR Vocto + CRVOCF-At)
      Vocty (At +CR) = AtVM + CRVOC+-At)
          Vocas = Vmdt + CRVOCK- At)
                            ( St + CR)
=> Dalam hal ini, At dibuat dapar dinput dalam program scara manual
    Sisuai lungman uper. Simouin kecil At C pada program distribut dt),
    maka perhitungan akan sumakan telihi.
> Pada conton evelkuji di bawah , digunalum partisi walnu sebuar o,1 ms.
```

#### 3. HASIL EKSEKUSI

```
C:\WINDOWS\SYSTEM32\cmd.exe

Masukkan partisi waktu (dt): 0.0001

Nilai Vo dengan partisi waktu 0.000100 s
telah berhasil diwrite ke dalam file lowpass.csv...

(program exited with code: 0)

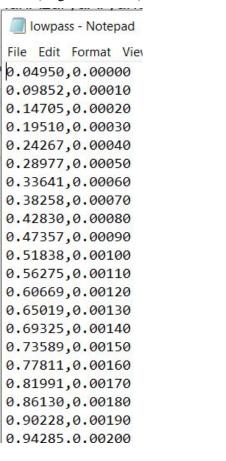
Press any key to continue . . .
```

Input dari nilai partisi waktu dt adalah 0.1 ms = 0.0001 s

### 4. FILE lowpass.csv

- => Berikut merupakan file lowpass.csv setelah program selesai (nilai Vo dan waktu sudah dimasukkan dalam file)
- Contoh 1 (Bagian awal file):

- Contoh 2 (Bagian akhir file):



Iowpass - Notepad File Edit Format Vie 4.99969,0.09720 4.99969,0.09730 4.99969,0.09740 4.99970,0.09750 4.99970,0.09760 4.99970,0.09770 4.99971,0.09780 4.99971,0.09790 4.99971,0.09800 4.99971,0.09810 4.99972,0.09820 4.99972,0.09830 4.99972,0.09840 4.99973,0.09850 4.99973,0.09860 4.99973,0.09870 4.99973,0.09880 4.99974,0.09890 4.99974,0.09900 4.99974,0.09910 4.99974,0.09920 4.99975,0.09930 4.99975,0.09940 4.99975,0.09950 4.99975,0.09960 4.99976,0.09970 4.99976,0.09980

## 5. FLOWCHART

#### Flowchart Program Utama

