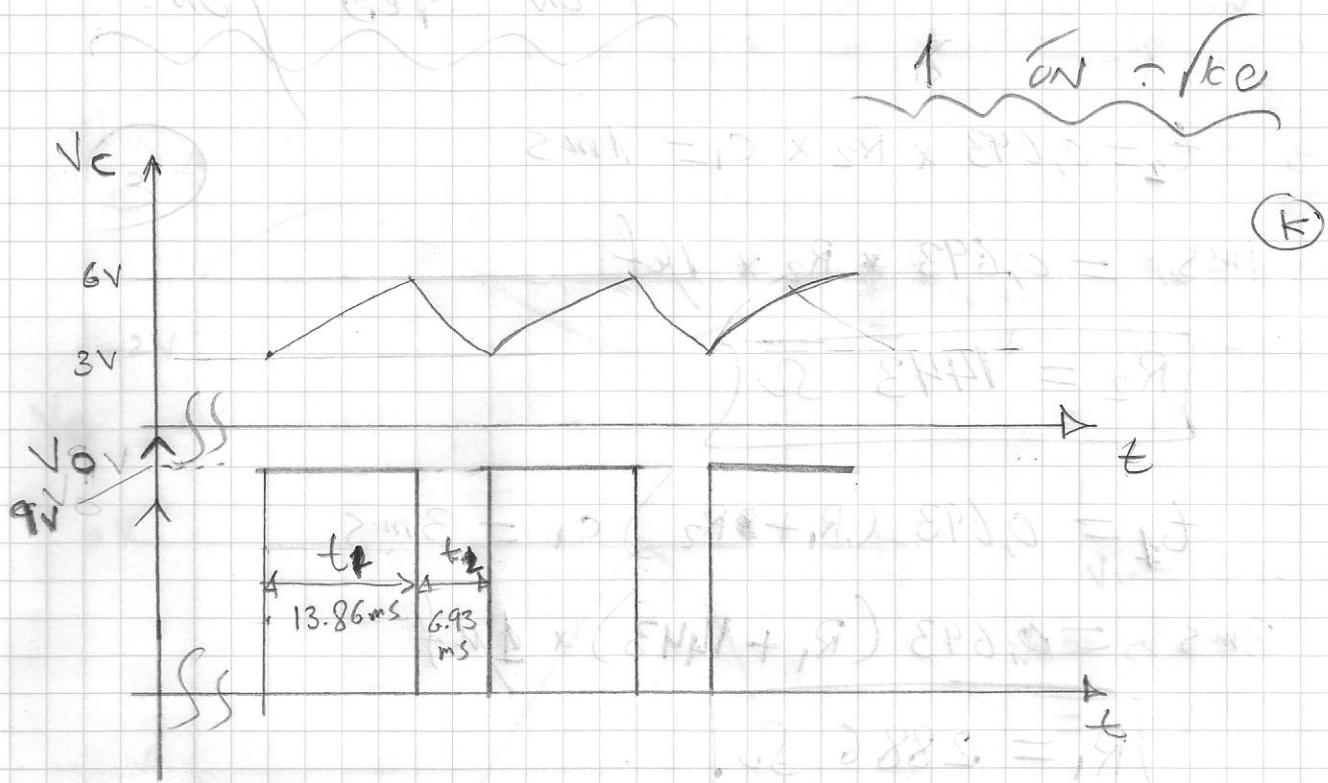


כבר מודע

הנפקה הגדלת  
2015 פ' ינואר

רשות מקומית  
הדר נס ציונה



$$t_1 = 0,693 \times (R_1 + R_2) \times C_1$$

$$= 0,693 \times (10k + 10k) \times 1\mu F = \boxed{13.86 \text{ ms}}$$

$$t_2 = 0,693 \times R_2 \times C_1$$

$$= 0,693 \times 10k \times 1\mu F = \boxed{6.93 \text{ ms}}$$

$$T = t_1 + t_2 = 13.86 + 6.93 = \boxed{20.79 \text{ ms}}$$

$$f = \frac{1}{T} = \frac{1}{20.79 \text{ ms}} = \boxed{48.1 \text{ Hz}}$$

$$f = \frac{1.44}{(CR_1 + 2R_2) \times C_1} = \frac{1.44}{(10k + 20k) \times 1\mu F} = \boxed{48 \text{ Hz}}$$

$$\text{DC\%} = \frac{t_1}{T} = \frac{13.86 \text{ ms}}{20.79 \text{ ms}} = \boxed{66.66\%} = \frac{2}{3}$$

$$1 \text{ On } = \sqrt{60} \text{ fent}$$

$$t_2 = 0,693 \times R_2 \times C_1 = 1 \text{ ms}$$

$$1 \text{ ms} = 0,693 \times R_2 \times 1 \mu\text{f}$$

$$R_2 = 1443 \Omega$$

$$t_1 = 0,693 \cdot (R_1 + R_2) \cdot C_1 = 3 \text{ ms}$$

$$3 \text{ ms} = 0,693 \cdot (R_1 + 1443) \times 1 \mu\text{f}$$

$$R_1 = 2886 \Omega$$

$$2 \text{ On } = \sqrt{60}$$

$$V_o = -\frac{R_f}{R} \times V_m$$

$$= -\frac{6K}{2K} \times V_m = -3V_m$$

$$V_o = \frac{-R_f}{R+R_1} \times V_m =$$

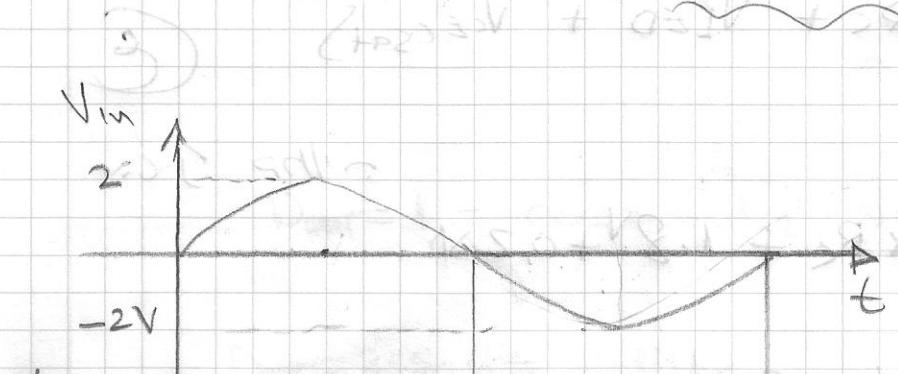
$$= -\frac{6K}{2K+1K} \times V_m = -2V_m$$

$$V_{out} = -\frac{R_f}{R} \times (V_m + 2V)$$

$$= -\frac{6K}{2K} (V_m + 2V)$$

$$= -3V_m - 6V$$

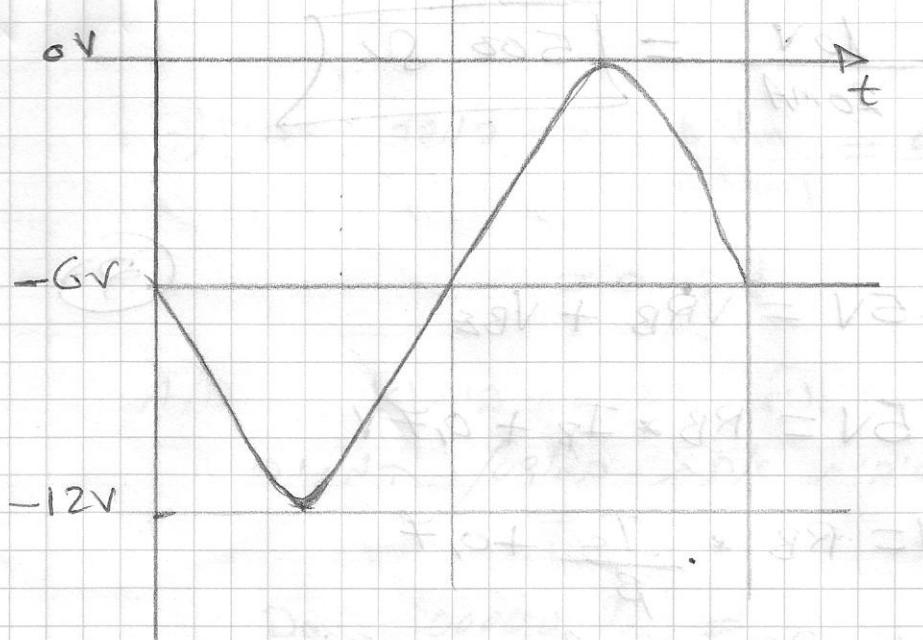
1  
e  
4



$$V_{in} = 2V \quad (1)$$

$$V_0 = -3 \times 2V - 6V$$

$$\equiv -12V$$



$$V_m = 0V \quad (2)$$

$$V_0 = 0 - 6V$$

$$\equiv 6V$$

$$V_{in} = -2V \quad (3)$$

$$V_{out} = -3x - 6$$

3 on snake

לעומת ה- $\text{ZnO}$  ה- $\text{SiC}$  מראה נורמה של  $\text{V}_m = 5\text{V}$  ומעלה.

LEDs are 110V AC.  $V_{th} = 0V$  not 110V  
� LED = DC 110V

$$|18G\rangle \approx \begin{cases} 55\% & V_m = 0V \\ 71\% & V_m = 5V \end{cases}$$

J. G. K 320 271 27 2/25

$$V_{CE} = V_{RC} + V_{LED} + V_{CE(SAT)}$$

(c)

z'hp fca

$$① V_S - 12 = I_{LED} \times R_C + 1.8V + 0.2V$$

$$12 = 20mA \times R_C + 2V$$

$$R_C = \frac{10V}{20mA} = \boxed{500\ \Omega}$$

$$② V_{in} = 5V = V_{RB} + V_{BE}$$

(g)

$$5V = R_B \times I_B + 0.7V$$

$$5V = R_B \times \frac{I_C}{\beta} + 0.7V$$

$$5V = R_B \times \frac{20mA}{200} + 0.7V$$

$$③ R_B = \frac{4.3}{100mA} = \boxed{43k\ \Omega}$$

$$④ V_O = 12V - 10V = 2V$$

$$V_C = 12V - 10V = 2V$$

J.G.B. 2008 2011 2012

$$4 \cdot \frac{1}{\omega} = f_{\text{ca}}$$

$$D_{\text{out}} = 1 = 00000001_{(2)} \quad V_i = 0,02 \text{ V}$$

$$D_{\text{out}} = 255_{(10)} = 11111111_{(2)} \quad V_i = 5,1 \text{ V}$$

$$008 = 6,790015001 = \text{Final}$$

$$\text{Erfüllt die Bedingung} = \frac{\Delta V_m}{\Delta D_{\text{out}}} = \frac{0,03 - 0,01}{1} = 0,02 \text{ V}$$

A/D 111111 0,02 V für den Wert ~ 1100 1000 1000 1000 1000 1000 1000

$$D_{\text{out}} = 00000011_{(2)} = 3_{(10)}$$

$$V_m = 0,05 \text{ V} \div 0,07 \text{ V}$$

$$D_{\text{out}} = 10000001_{(2)} = 129_{(10)}$$

$$V_m = 129 \times \frac{\Delta V_m}{\Delta D_{\text{out}}} = 129 \times 0,02 = 2,58 \text{ V}$$

$$V_{\text{out}} = (2,58 - 0,01 \text{ V}) \div (2,58 + 0,01 \text{ V})$$

$$= 2,57 \text{ V} \div 2,59 \text{ V}$$

Störungen 300 300 200 300 200

$$4 \text{ m} = \sqrt{100} \text{ cm} =$$

$$\sqrt{c} = 4 \text{ V}$$

$$D_{\text{out}} = \frac{\sqrt{c}}{0,02} = \frac{4}{0,02} = 200$$

→ 128 64 8

$$D_{\text{out}} = 11001000_2 = 200$$

$$5 \text{ m} = \sqrt{100}$$

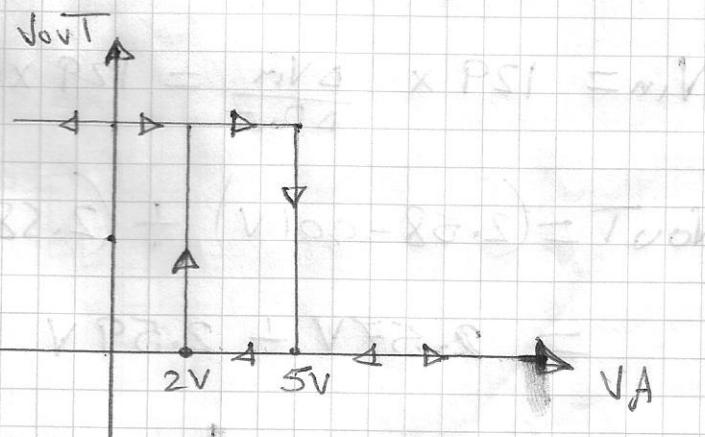
$$\sqrt{100} = 10 \text{ V}$$

$$\sqrt{B_1} = \frac{V_o \times R_1 + 4 \times R_2}{R_1 + R_2} \quad V_o = 0 \text{ V}$$

$$= 0 + \frac{4 \times 10 \text{ k}}{10 \text{ k} + 10 \text{ k}} = \boxed{2 \text{ V}}$$

$$\sqrt{B_2} = \frac{6 \times 10 \text{ k} + 4 \times 10 \text{ k}}{10 \text{ k} + 10 \text{ k}} \quad V_o = 6 \text{ V}$$

$$= 3 + 2 = \boxed{5 \text{ V}}$$



9.6.10.326 311 22 3122010

$$R_{LDR} = 200 \text{ k}\Omega$$

6

1

$$V_A = \frac{6V \times 50k}{200k + 50k} = 5.976 V$$

$$10\% \text{ off} \Rightarrow V_{out} = 0V$$

10% LED  $\rightarrow$  561

$$R_{LDR} = 1M\Omega \sim 50k$$

28

$$V_A = \frac{6V \times 50k}{50k + 1M\Omega} = 0.285 V$$

$$10\% \text{ off} \Rightarrow V_{out} = 6V$$

10% LED  $\rightarrow$  581

$$5V \text{ off } 0\% \text{ off } \Rightarrow V_{out} = 6V$$

$$V_A = V_{B_2} = 5V = \frac{6V \times 50k}{50k + R_{LDR}}$$

$$250k + 5R_{LDR} = 300k$$

$$5R_{LDR} = 50k\Omega$$

$$R_{LDR} = \underline{\underline{10k\Omega}}$$

fit fit 370 371 22 31032

6 ÓN : 5cc

SI → KRS 200H → KRS 200H  
 KRS 6 6P3N SI → KRS 200H → KRS 200H

MOV SI, 200H (K)

K3N) brane KRS join upos mov AL, [SI]  
 AL → KRS join SI nello

join BL → KRS join mon SUB AL, BL  
 AL → KRS

CL → KRS join zHK mon DEC CL

(2)

20B <sup>H</sup>	20A <sup>H</sup>	209 <sup>H</sup>	208 <sup>H</sup>	207 <sup>H</sup>	206 <sup>H</sup>	205 <sup>H</sup>	204 <sup>H</sup>	203 <sup>H</sup>	202 <sup>H</sup>	201 <sup>H</sup>	mon	AL
05	06	0F	08H	09H	0AH	0BH	0CH	0DH	0EH	0FH	0H	0H

0AH = [200] KRS join (E)

200H → KRS join mon nello  
 01H KRS 201H → KRS join mon nello  
 02H KRS 200H → KRS join mon nello  
 20B<sup>H</sup> KRS join 00H → KRS join 0AH



20B<sup>H</sup> KRS join 0AH

mon nello

$f \propto n = f_{ke}$

#include <stdio.h>

/\* Author: [unclear]

```
void main ()  
{
```

```
int a[30], i, count1=0, count2=0, sum=0;
```

```
for (i=0; i<30; i++)
```

```
{
```

```
    printf("Enter number %.d = ", i+1);
```

```
    scanf("%d", &a[i]);
```

```
    if (a[i] < 55) count1++;
```

```
    if (a[i] >= 85) count2++;
```

```
    sum = sum + a[i];
```

```
}
```

```
printf("sum students fail = %.dn", count1);
```

```
printf("sum students excel = %.dn", count2);
```

```
printf("average of marks = %.2f", sum / count2);
```

```
float sum / count2);
```

```
}
```

excel >= 85

fail < 55

fig. 3rd 3rd 2nd 2nd

8 on surface



ונע F → arr נספּה מוקטָה (K)

ד H, O2H, O4H, O8H, 10H  
20H, 40H סוף הסדרה 010CN (D)

ו וו פיקוס פיקוס white (A) (3)

ו וו ס פיקוס פיקוס קון (6)

ו וו דפּה דפּה פיקוס פיקוס (5)

ו וו ס פיקוס פיקוס דפּה דפּה (7)

for (i=0; i<6; i++) (8)

ו וו קון c=0 פיקוס פיקוס for  
i++ 303=1 i<6 =h

ו וו F פיקוס פיקוס סטטוס (2)

ו וו F 38 9 -> 0.8CN 17.8 (E)

ו וו ס פיקוס פיקוס סטטוס (3)

ו וו ס פיקוס פיקוס סטטוס (4)

ו וו ס פיקוס פיקוס סטטוס (5)

ו וו ס פיקוס פיקוס סטטוס (6)

9 ton file

shala8: MOV DX, 300H  
IN AL, DX  
MOV DX, 301H  
MOV CL, 08  
MOV AH, 0

X2: ROR AL, 1

JNC X1

INC AH

X1: DEC CL

JNZ X2

ROR AH, 1

JC X3 → 16bit

MOV AL, 01

OUT DX, AL

RET

X3: MOV AL, 0

OUT DX, AL

RET

16bit 8088 80 8/22