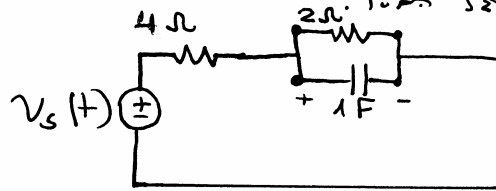


7. on 5/2 5/25

4Ω 2Ω: 1mA 5VDC . L

[illegible]

امام $v_s(t) = \delta(t)$ دېرځ

$$V_c(p^-) = 1V$$

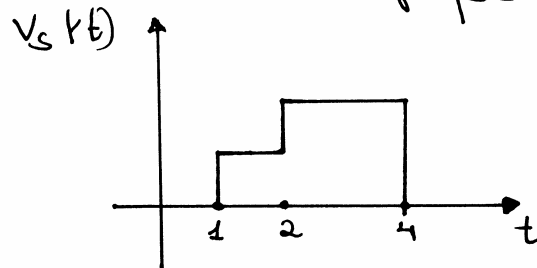
ע' פסוק בלשון חזק:

1. 5/25/2025 ZSR

ד. הא' פון חל"מ.

2. 151. 2. 151. 2.

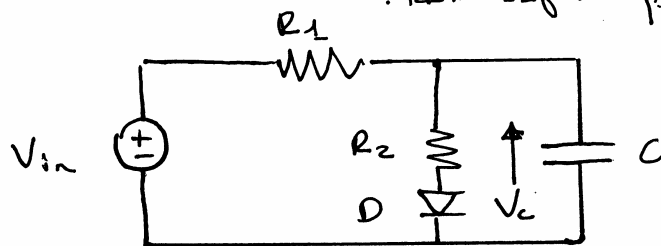
!f.2. "f -150 $V_s(t)$



1.55 1000 1000 1000

• $V_c (e^-) = 3V$ \therefore $\ln 5$

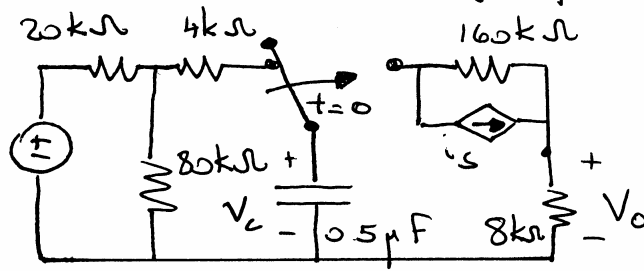
1. 100 2. 200 3. 300 4. 400



$$V_{in} = \begin{cases} -1V & t < 0 \\ 2V & t \geq 0 \end{cases}$$

ج. فرض $v_c(t)$ و $t \geq 0$

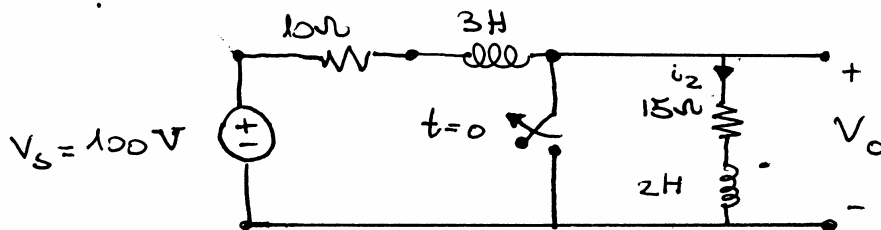
!koon Saftun 1's 5



$$i_s = 10^{-4} \cdot V_o \text{ [A]}$$

$$V_c(t), V_o(t) \quad \text{---} \quad 10 \quad 10.3 \times 5 e'$$

!koon Saftun 1's 6

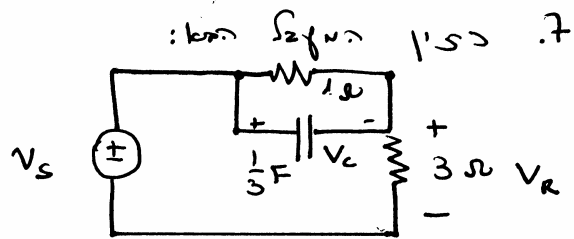


. $t=0$ = 2'sun 1'son on 10 2'f Saftun . 10

. $t \geq 0$ 1'f V_o, i_2 5' 10.3 \times 5 e'

1' 10 8'f 10 = 100 =

$$V_o(t) = 100 + 50 \delta(t) \text{ [V]}$$



په $v_R(t)$ سیکل ۱۴۳ و ۱۵۰

$v_c(0^-) = 2$

$(t > 0 \text{ نهی}) \quad v_s = \frac{15}{\sqrt{2}} \cos 3t [V]$

سوال ۱۵۰

$\ddot{x} + x = \cos 2t$

په $x_p(t) = A \cos 2t + B \sin 2t$ سیکل ۱۴۳