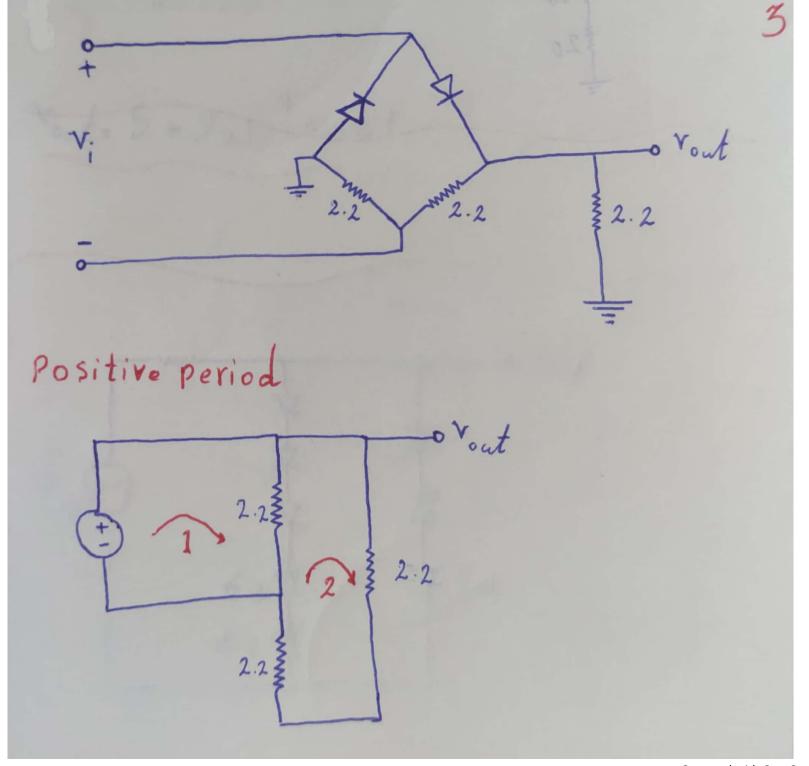
$$V_{out} = 15 \qquad V_{R} = 2V \qquad V_{in} = 310 \qquad f_{=}60H_{Z}$$

$$R_{\ell} = 150 \qquad C = ? \qquad n_{=}? \qquad PIV$$

$$V_{R} = \frac{V_{m} - V_{DON}}{f_{RC}} \Rightarrow 2 > \frac{15}{C_{x}60_{x}150} \Rightarrow C > 83_{m}f$$

$$V_{1} = h_{1} \Rightarrow \frac{310}{15} = h_{1} \Rightarrow \begin{cases} n_{1} = 62 \\ n_{2} = 3 \end{cases}$$

$$PIV = 2V_{m} = 30_{Y}$$



KVl (a)2: 2.2
$$I_2$$
 + 2.2 (I_2 - I_1) + 2.2 I_2 = 0

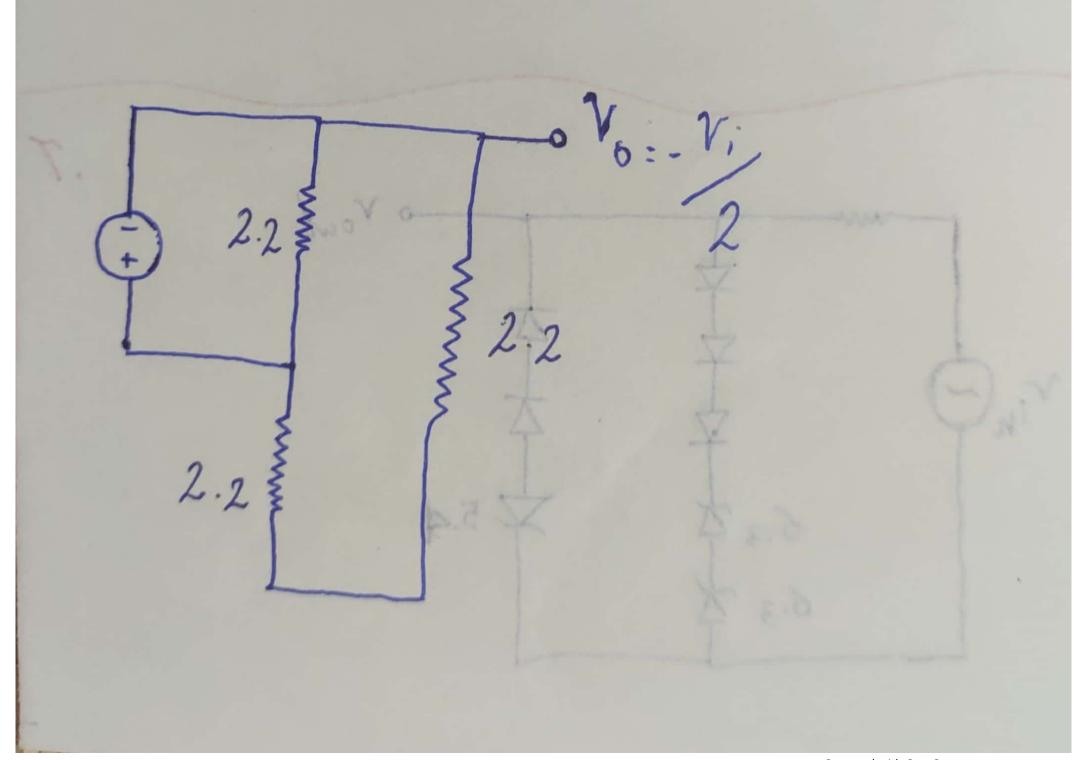
$$I_1 = 3I_2 I$$

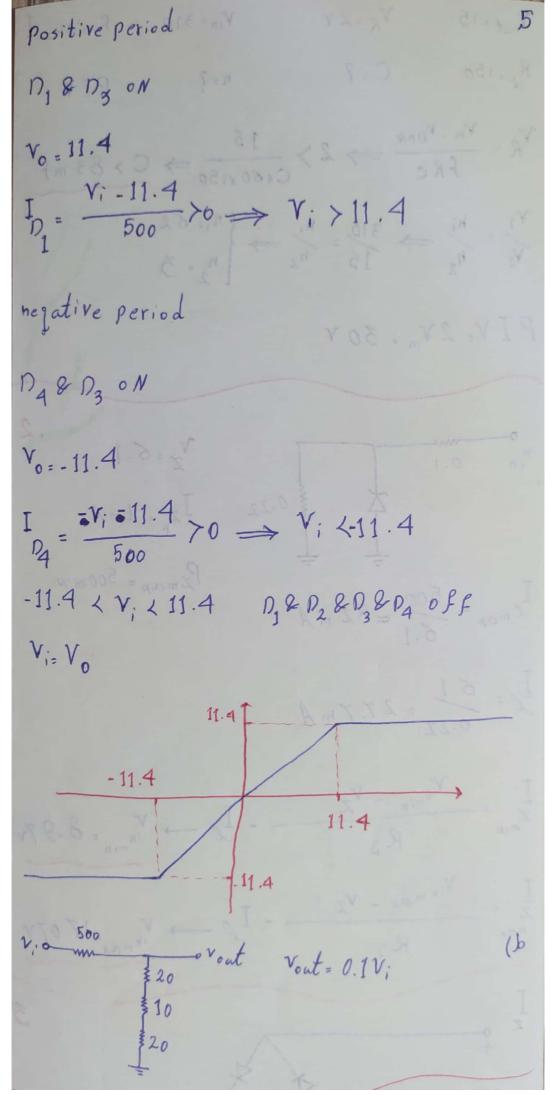
KVl (a)1: -V + 2.2 (I_1 - I_2) = 0 I

I in I V = 4.4 I_2

Vout = 2.2 $I_2 \Rightarrow V_{out} = \frac{V_2}{2}$

negative period





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