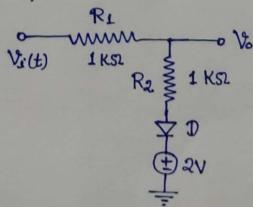
Q.1: For the given civicuit, i-v characteristics one

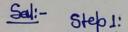
Q.2! The diode in the given civicuit has lut-in Vollage 0.7 V. but

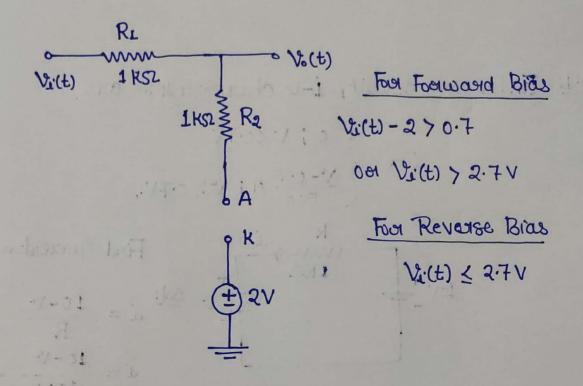
If Vi(t) = 5 Sinut V, the minimum and the maximum Values
of Vo (in Volts) age?

R1

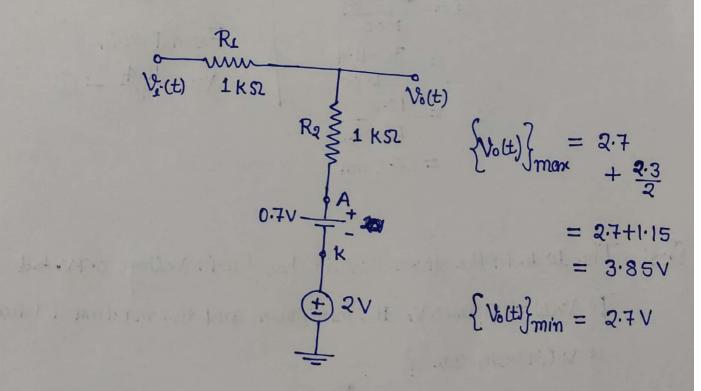
 $= \frac{18.6}{1000 \times 3}$ = 6.2 mA



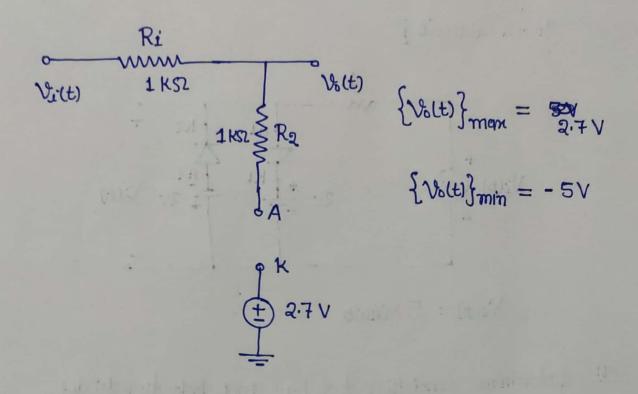




Step2: When diode is Footward Bras

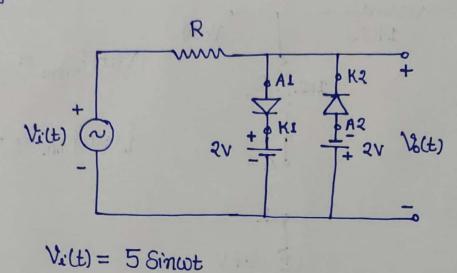


Step 3: When diode D is in reverse bias

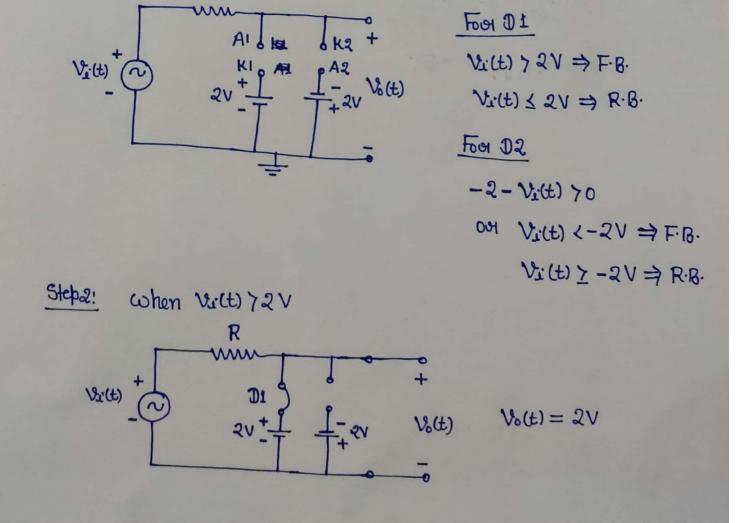


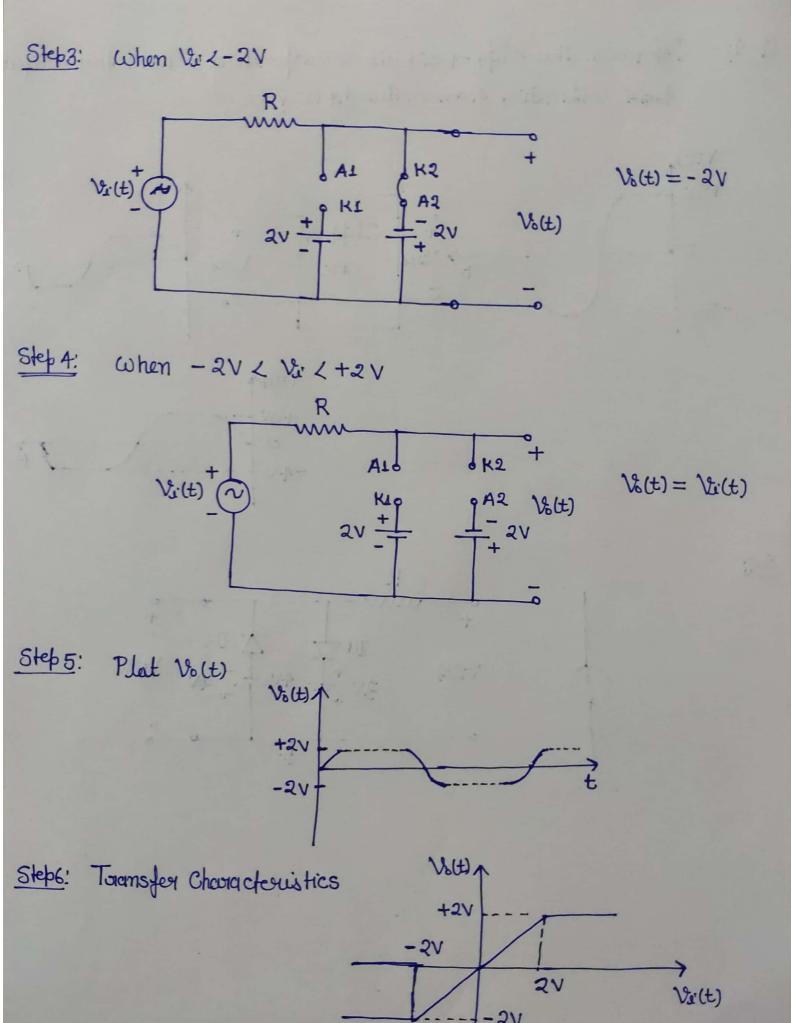
Step 4! 
$$\{V_0(t)\}_{max} = 3.85 \vee \{V_0(t)\}_{min} = -5 \vee$$

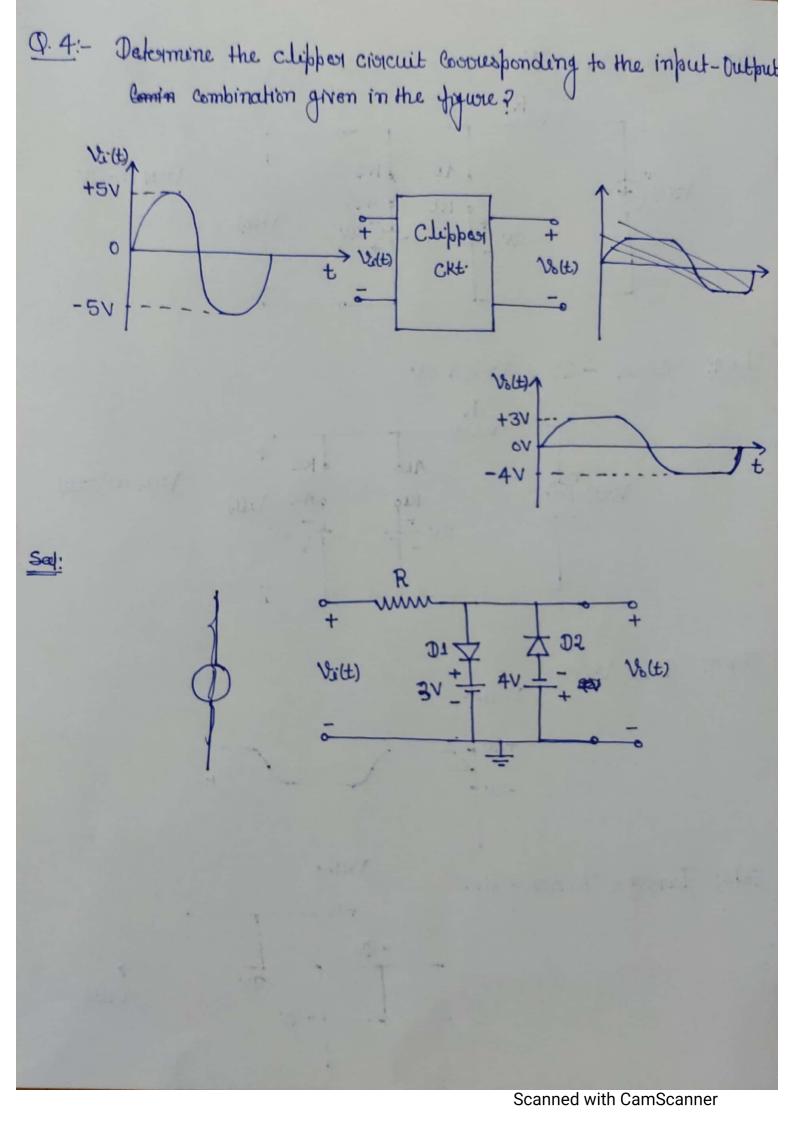
Q.3: Determine Volt) and townsfer characteristic for the given croncuit?



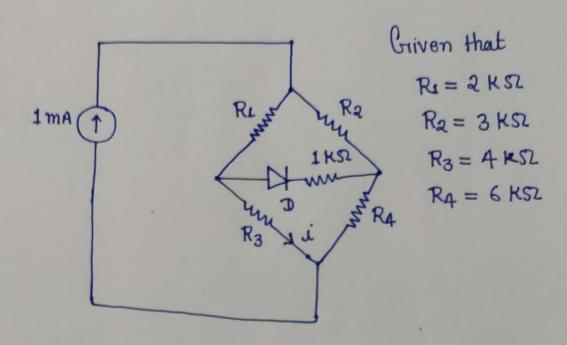
Sal: Determine Condution four F.B. and R.B. four diodes







Q.5: In the given civicuit,  $V_{Y} = 0.7 \text{ V}$ . Find the evolent through 452 resistor?



Sal

$$\frac{R_1}{R_2} = \frac{R_3}{R_4} \Rightarrow \text{Balance bourdge}$$

