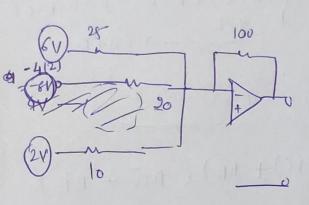
(1)



$$V_{0} = -\left(\frac{36}{180} \times 6 + \frac{30}{100}(-8) + \frac{100}{180}(2)\right)$$

$$= -\left(24 + (-40) + 20\right)$$

$$= -(4) \sqrt{}$$

2) grounded emitter = common emitter

1 power gain = Common smitter

$$\begin{array}{c}
\emptyset & \alpha = 0.95 \\
\widehat{CB} \Rightarrow & \alpha = 100
\end{array}$$

$$\sqrt{1e^2} \frac{2V}{2kR} = \frac{2}{2\times10^3} = \frac{1}{2} \left[0.001 \text{ A}\right]$$

$$\overline{4} = \overline{1}_{\theta}$$

$$\pm \frac{1}{8} = \frac{1}{6} = \frac{$$

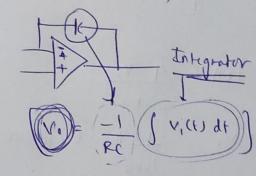
$$0.061 \times 0.05 \text{ TB} = \text{Tc}\left(\frac{1}{4} - 1\right)$$

$$= 5.26 \times 10^{-5} \text{ A}$$

$$= 20.001 \left(\frac{1-4}{4}\right)$$

$$= \frac{6.0}{45} \times \left(\frac{1}{1000}\right) \times A$$

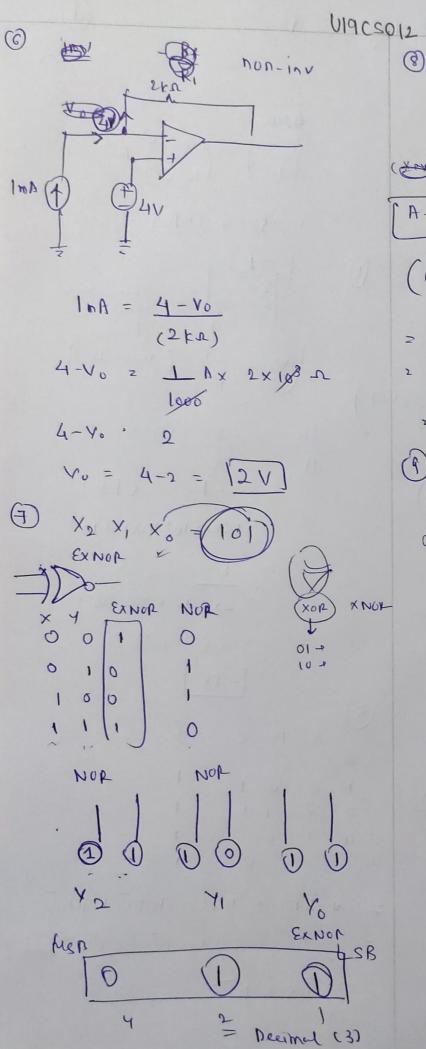
, 0.0526x (WA)



$$\frac{dV_0}{dt} = \frac{-1}{RC} V_1(t)$$

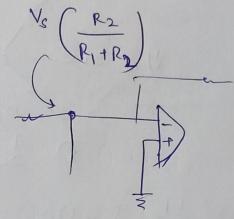
$$= \frac{-1}{(200 \times 10^3)(0.1) \times 10^{-6}}$$

$$= a (\underline{A}\underline{B}\underline{C}) + \underline{B}\underline{B}\underline{C} + \underline{B}\underline{C} + \underline{B}\underline{C} + \underline{B}\underline{C}$$



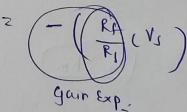
(8) POS form (A+B+C) (A+B+C). (A+B+C) CA+B+C) A+XY = (A+X) (A+Y) ((A+C) + BB) (A+C+ BB) (A+C) (A+C) · (A+ 5€) (A) (9) npn -1 emitter open CE - Ie = 0.2 mA

$$(AD + A\overline{D} + \overline{A}D + \overline{A}\overline{D}) \cdot (\overline{B}\overline{C})$$



Cummon

$$V_0 = -\left(\frac{R_L}{R_1} \times N_S\right) + \frac{R_C}{R_2}(OV)$$



Ideal

 $\mathcal{X} = \left(\frac{1.1}{1.1 + 2.2}\right)$ 3 = SP. P. A

[M-y] = (56.67)

& Cic diode (28 ohm

(20 -0.311) = (100 m) x11 170

(1) 2 (1) (100M)

7+ × (i) = 0V

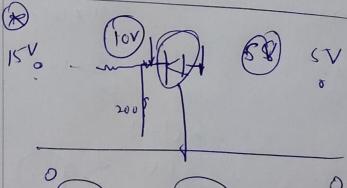
H.0 x 1F. D1 = = (4.77)

Even P1 > \$32 Emorin &

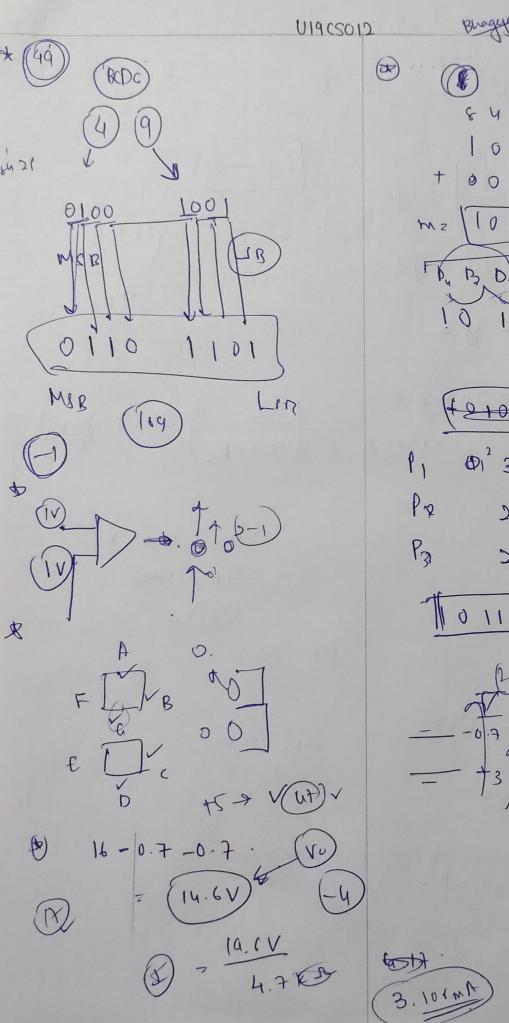
Py -> 3 x error in 5,6,3

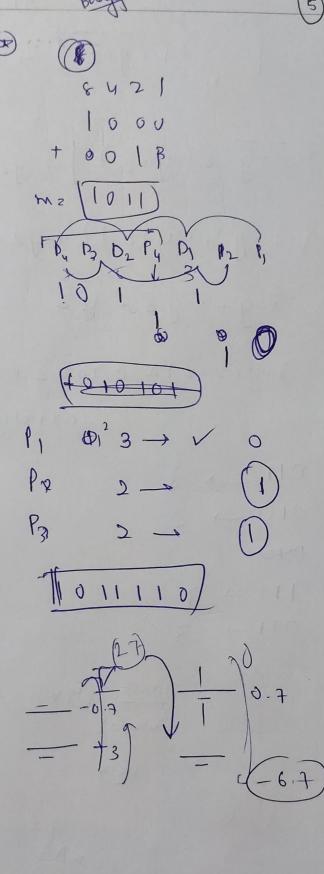
=> (Error in Gor (7)

5111001103



OFF UN ON





0 THE

0

$$-2(1.2)$$
 $(1+\frac{2}{10})$ -2.4 (1.2)

5R > 10w+ 8