

Collector Fecolback / Voltage Feedback RF = 470 k-2 / Rc=9.1 k-2. Va = 22V | Re=9.1k. B=90. Ic'= IR. Vu - IERC-KF IB = - 18 E = 0 >> & TB = 16.41 470 +828.1 VU-TERC-IBR-IBR-8BE=O. EIRE 3) TB= 22-0.7- = 10.02 MA. (91×9.1×2)+470 VE= 8,2901 V € Ve=12- Rex9.1=3.7099 -- I= IE = 0.911mA -VB = 8.9901V. Voltage-Divider biased - (in)  $I_{B} = 20\mu A$ ,  $\beta = 100$ .  $I_{C} = 6000$   $I_{E} = 6101 \times I_{B}$   $I_{C} = 2.02 \text{ mA}$ . 200A + 10,6V VE = 2.424 V | V6 = V8E +VE = 3.124 V. Vcc = Vct Ic Rc Vm = Is Km + VB = 16.054V. =) VCX8.2 = \$0.02 x 8.2x R1 + 8.124

$$\frac{1}{8} = \frac{16.054 \times 8.2}{8.288R} = \frac{106.0258}{106.0258}$$

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

VE = JERE # - 6V

 $3V_{E} = -2.5596 V$   $V_{S} = 0.7 + V_{E}$   $3V_{S} = -1.859 V$ 

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