Ampleficoloure de suruol ruic-3

So re coleulise:

1) PSf.; 2) Av =?; 3) Ri, Ro =?; 4) Avg =?; 5) Ai, Aig =?
6) Az, Azg, Ay, Ayg =? Colenthe de c. a ne vor realise pour her
severed mic n' jossé frecrutés.

Ins = Iz = Ics = IR4 = 2mA

Traceistoorel Qu' as mut rei oglinde de curuit cu de guerror pe emitor. Aood VBES = VSES, Results: Ry. Ics = R3. Icy.

 $\overline{I_{C4}} = \frac{k_4}{R_3} \cdot \overline{I_{C5}} = 4 \omega A$ $\overline{I_{C4}} = 2 \overline{I_{C5}} = 4 \omega A$

The current continuous, $V_{GI}=OV($ curvehil ear energy print resistant R_{I} est $I_{GI}=O$ => $R_{I}\cdot I_{GI}=O$)-Fire visited

VG2 = VSS + V2 + VSE5 + R4 : Ics = OV

 $Q_1 = Q_2$ $V_{GS1} = V_{GS2}$ $V_{GS2} = V_{GS2}$ $V_{GS3} = V_{GS2}$

 $V_{6S1} = V_{6S2} = V_7 \pm \sqrt{\frac{2I_{01}}{\kappa_1! \frac{w}{L}}} = \left(2 \pm \sqrt{\frac{4}{9025 \cdot 49}}\right) = 2V_7 \pm 2V \sqrt{\frac{V_{6S1} = 4V}{V_{6S1}}} = 0V$

lue houristored the no fie un conductré => Vos,=Vosz=4v

VOS1 = VAG1 + VGS1 = VAD + VGS1 = 13V

Vasz = Van - Rz. Inz + Vasz = 7V gm = guz= K !! (18-4)

V053 = V00-V62 = 9V

Vacy = V61 - V58 - V651 - R3-Ta= 4,6V

VOES = VBES = 0,6V

Q3 V63=0V>V7=2V => NOT. 12 V2=8V VW3=9V> V63-V73=2N STAB. Q1 SIO1=2MA VGS1=4V>VT=2V =>Net; VGS1=13V>VGS1-VT=2V

Q2 { Fo2 = 2MA VG62 = 4V>V=2V | Phot VB2 = 7V > V682-V_ = 2V Q4 (ICH = 4MA) RAN; Q5 { ICS = LULA | LAN ; VBE = 0,60 | VCES = 0,60 = VBC

$$2/A_v = 2$$

3)
$$R_i = \frac{\sigma_i}{c_i} = R_i = \Lambda_0 H \Omega$$

$$R_0 = \frac{V_0}{I_0} \Big|_{I_0 = 0} = R_2 = 3K\Omega$$

$$R_1 = \infty$$

Le v;=0=V vgs=0=> vgs=0=> 1/2=0=>/1/2=0

$$A_{ig} = \frac{i_{o}}{i_{g}} = \frac{i_{o} \cdot i_{i}}{i_{i}} = A^{i} \cdot \frac{i_{i}}{i_{g}} = A^{i} \cdot \frac{i_{i}}{i_{i}} = A^{i} \cdot \frac{i_{i}$$