EYM501 - Taller 3

1) No, pueda que la frección de Es sea paralela al 1.0 mourments, o que existe un É que anula la Fo.

(b)
$$V_{R5} = \frac{3}{8}$$

$$I_2 = \frac{15}{8.15} = 1.1 \text{ mA}$$

$$V_{C} = (1.4m)(3.45k)$$
 $I_{b} = \frac{6.345}{15k} = 0.425mA$ $V_{C} = 6.345V$

$$P = \frac{V^2}{R} = \frac{(6.345)^2}{5K} - \frac{1}{2} \left[\frac{P_4}{12} = \frac{1}{2} \frac{1}{3} \frac$$

2 @ Halla 1 Malla 2 - 34I, +45-I3-4+I3=0 47I3 + 75 + I2 + 18J2 +45 + I3=0 |-34],-48]3+45=0| |9]2+48]3-120=0| Nodo d 1.0 | J₁+J₂-J₃=0 | D | J₂: 2.41A | 1.0 | J₃: 1.55A | 6 Vf =1 I2 - 18 J2 + 75 - Vc = 0 VF-Vc = 0.791 0.5 30 0 1 2 500 K 2 9(t) = Q(1-e^{t/z}) t= ln(0.6) [-Re] 6 $I(t) = Je^{-t/2e}$ $I = -\frac{20}{500}e^{-0.15}$ $-\sqrt{I} = -9.294A = 0.7$ (4) $r_2 = \frac{M_2U}{9a} \rightarrow U = \frac{98f_2}{m_2} = (1.602 \times 10^{-19})(1.5)(3.5 \times 10^{-3})$ U=20.8 Km/s 0.7 $M_1 = \frac{\Gamma.98}{U} = \frac{(1.1\times10^{-3})(1.602\times10^{-19})(1.5)}{20.02\times10^{-19}}$ 20.8×103 M1 = 1.27 x10-26 kg 0.8