a) Ted= 10 mV

(e, =? (cz=?

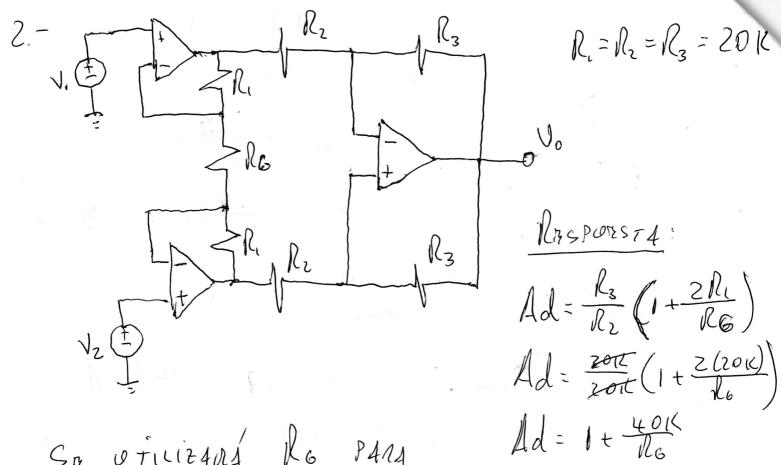
1+e-vid/v

ie. =
$$\frac{1}{1+e^{-vid/v}}$$

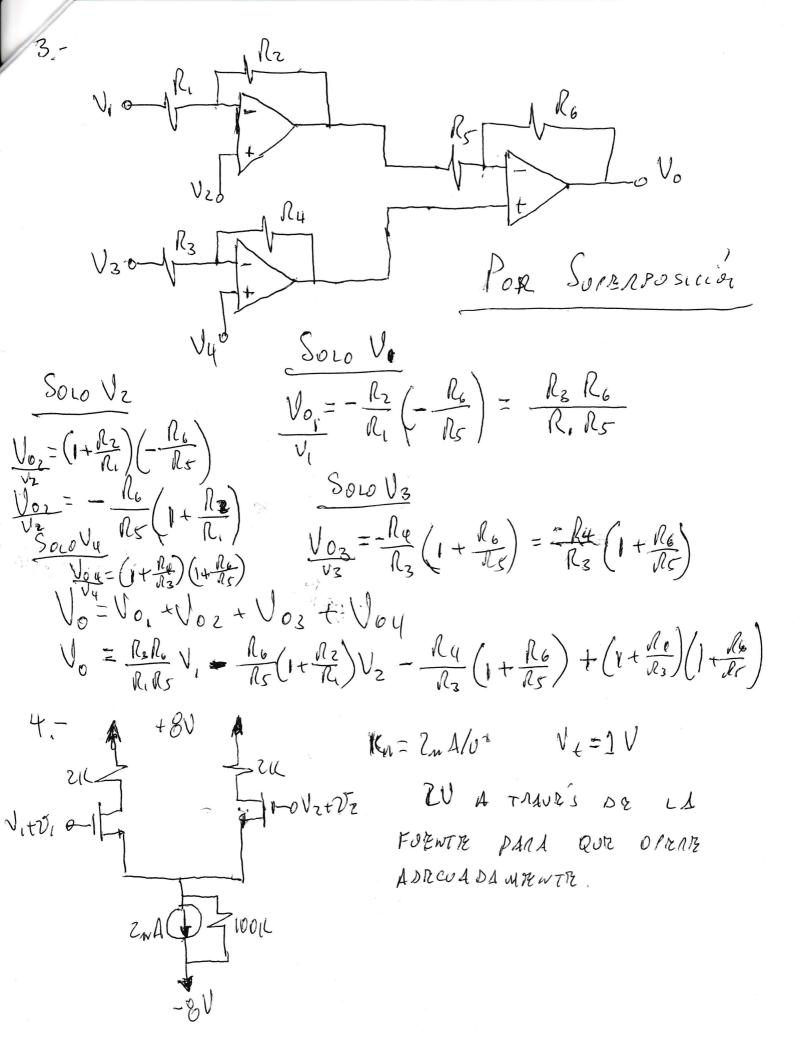
ie. = $\frac{0.785m}{1+e^{-vid/v}}$ = 0.7487mA

Vd=30-10=20mV

Vial= Ad × Vd = 20 m × 47.8 = 0,956 V



SE OTILIZADA RO PANA ASOSTAN LA GANANCIA.



4 = ContinJACIÓN

a) e RAWGO DE VOLTADES EN UCZ PARA TRAGADO ADECUADO USMIN = -8+2 = -6V ZIK TENZIK VI +VI O LA PLOVZ+VI V68= 3 2 To= 10012 + 2mA = 2.02 mA Zmh 3100K) 2V To = 1,00 mA ID = 2 Kn (VGS-VE) => 1.01 x = 2 Ky (VGS-1)2 VGS = 2,005 V. Veril Vs, + V.005 = -6 + 2,005 = -3,995 V = 4V Voi Vacon Maxino VOD = VC - VD = VO - [8-2KID] 1=V6-8+2KID Vo= B-ZKID 1 = V6 - 8+2KIS Vs=(2In-2m) 1001(-8 V6=1+8-2KID ID= = Kn (VGS-VE)2 Io = { 2 tm (VG-Vs - 1)2 Io= |m &9-2K Iw- ((2Is-2m) 100K-8]-

o RUNC= X

Aurc = 0