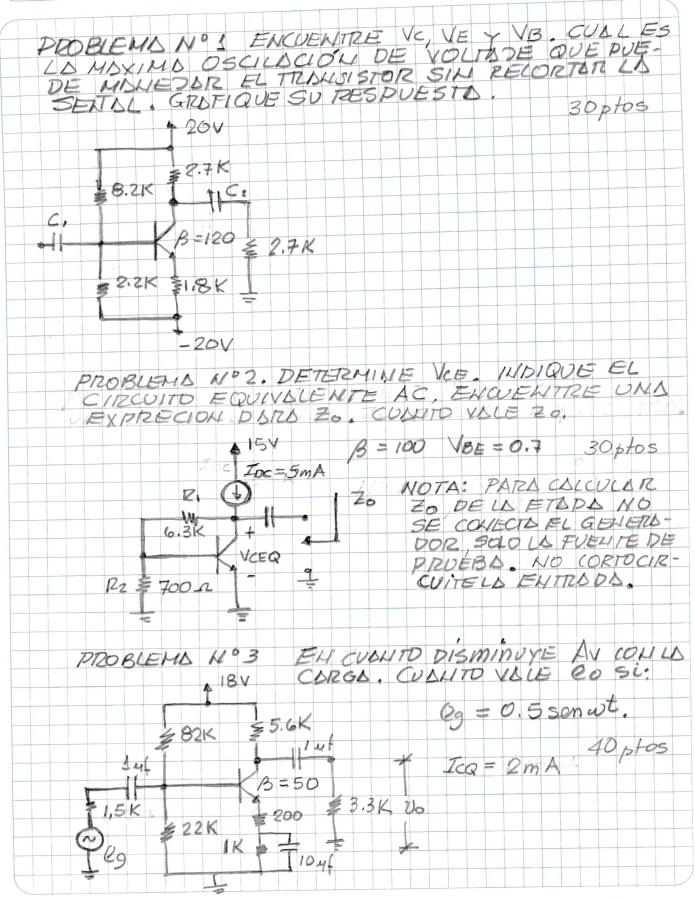
## PARCIAL N°3 EL TRANSISTOR BIPOLAR (BOT)



PROBLEMS NOS	
$R_{7H} = (82! \times 10^3)(22 \times 10^3)$ $8.2 \times 10^3 + 2.2 \times 10^3$	Vc = Vcc - TetRc = 20 - (4.25x03)(2.7x103)
= 1.73 K	Vc = 8,53
V74 = VCC+VEERB2 - VEE	VE = ICRC - VEE = 4.25 × 1.8 - 20 = -12.35
= -//, 53 V	
IB = VEE-VILL -VBE RIH + (BILL) RE	$V_{B} = V_{E} + 0.7$ = -12.35 + 0.7
= 35,34 WA	=-11.65V
Ic = BIB = 120 x 35,344A	M.O.V
= 4.25.mA	5/P = 2Vac-Vera = 19.13
VCEQ = Vac - Ic (RC+ RE) + VEE	5/4 = Vara - 0.2 = 20.67
= 20+20-4.25(z.7+1.8)	M.O.V => 19.13V
= 20.87.	
TEST = VCCTUEE	Tex mh
12c+12=	8
$=\frac{4.5 \times 10^{3}}{4.5 \times 10^{3}}$	6-
= 8,88 m A	0
VCECORIE = VCG +VEE	2 -
	10 20 30 40
	M.O.P.

