Eqn Vcc = 5 V Eqn Vce = 2 V Eqn Ic = 20 mA Eqn Vbe = 0.7 V Eqn hfe = 80

Eqn Vc = Vcc - (Vcc - Vce) / 2 Eqn Rc = (Vcc - Vc) / Ic Eqn Vb = Vbe + Ve Eqn R1 = (Vcc - Vb) / (10 * Ib)

Eqn Ve = (Vcc - Vce) / 2 Eqn Re = Ve / (Ic + Ib) Eqn Ib = Ic / hfe Eqn R2 = Vb / (9 * Ib)

Ib	Ic	R1	R2	Rc	Re	Vb	Vbe	Vc	Vcc	Vce	Ve	hfe
2.500E-4	0.020	1120.000	977.778	75.000	74.074	2.200	0.700	3.500	5.000	2.000	1.500	80

freq	DC.Vb	DC.Vc	DC.Ve	DC1.Vce	I_c.i
0.0000 Hz	2.196 V	3.720 V	1.282 V	2.438	17.07 mA