Part 1 x0 = 7.86111, y0 = 0.0197826 x1 = 1.10 dx = -6.75694, dy = -0.00130435 dy/dx = 0.000193038 dx/dy = 5180.32 x0	0417, y1 = 0.0184783
x0 = 7.86111, y0 = 0.0197826 x1 = 1.10 dx = -6.75694, dy = -0.00130435 dy/dx = 0.000193038 dx/dy = 5180.32 x0	0417, y1 = 0.0184783
dx = -6.75694, dy = -0.00130435 dy/dx = 0.000193038 dx/dy = 5180.32 x0 7.86111 x1 y0 0.0197826 y1 m 0.000193038 V_A -71.154 Alpha Beta Reverse Beta Part 2 x0 = -20.2727, y0 = 3.49153 P1 x0 = -19.4848, y0 = 3.5 C1	0417, y1 = 0.0184783
dy/dx = 0.000193038	
x0 7.86111 x1 y0 0.0197826 y1 m 0.000193038 V_A -71.154 Alpha Beta Reverse Beta Part 2 x0 = -20.2727, y0 = 3.49153 P1 x0 = -19.4848, y0 = 3.5 C1	
y0 0.0197826 y1 m 0.000193038 V_A -71.154 Alpha Beta Reverse Beta Part 2 x0 = -20.2727, y0 = 3.49153 P1 x0 = -19.4848, y0 = 3.5 C1	
y0 0.0197826 y1 m 0.000193038 V_A -71.154 Alpha Beta Reverse Beta Part 2 x0 = -20.2727, y0 = 3.49153 P1 x0 = -19.4848, y0 = 3.5 C1	
m 0.000193038 V_A -71.154 Alpha Beta Reverse Beta Part 2 x0 = -20.2727, y0 = 3.49153 x0 = -19.4848, y0 = 3.5 C1	1.10417
V_A -71.154 Alpha Beta Reverse Beta Part 2 x0 = -20.2727, y0 = 3.49153 P1 x0 = -19.4848, y0 = 3.5 C1	0.0184783
Alpha Beta Reverse Beta Part 2 x0 = -20.2727, y0 = 3.49153 x0 = -19.4848, y0 = 3.5 C1	
Beta Reverse Beta Part 2 x0 = -20.2727, y0 = 3.49153 P1 x0 = -19.4848, y0 = 3.5 C1	
Beta Reverse Beta Part 2 x0 = -20.2727, y0 = 3.49153 P1 x0 = -19.4848, y0 = 3.5 C1	
Part 2 x0 = -20.2727, y0 = 3.49153 P1 x0 = -19.4848, y0 = 3.5 C1	
Part 2 x0 = -20.2727, y0 = 3.49153 P1 x0 = -19.4848, y0 = 3.5 C1	
x0 = -20.2727, y0 = 3.49153 P1 x0 = -19.4848, y0 = 3.5 C1	
x0 = -20.2727, y0 = 3.49153 P1 x0 = -19.4848, y0 = 3.5 C1	
x0 = -19.4848, y0 = 3.5	
v0 = 10 0700 v0 = 2 404E2 C2	
x0 = -18.8788, y0 = 3.49153 C2	
x0 = -16.8333, y0 = 3.49153 P2	
Part 3	
v(c) = 5.004189e+00	
i(v_cc) = -4.49581e-03	
i(v_cc)/i(v_bb) = 1.974125e+02 Beta	
gm = -1.72916e-01	
(i(v_cc)/i(v_bb))/gm = -1.14167e+03	r_pi
r_o = V_A/lc 15829.58843 V_A f	
Part 4	
bc547a 2n3904c	

f = 1kHz	f = 1kHz			
5.24usec	0.36usec			
Turnoff time	Turnoff time			
f = 100kHz	f = 100kHz			
4.68usec	Infinite			
Turnoff time	Turnoff time			
f = 1MHz	f = 1MHz			
Infinite	Infinite			
Turnoff time	Turnoff time			
Using Schottky diode for bc547a at f = 100kHz,				
0.09usec				
Turnoff time				