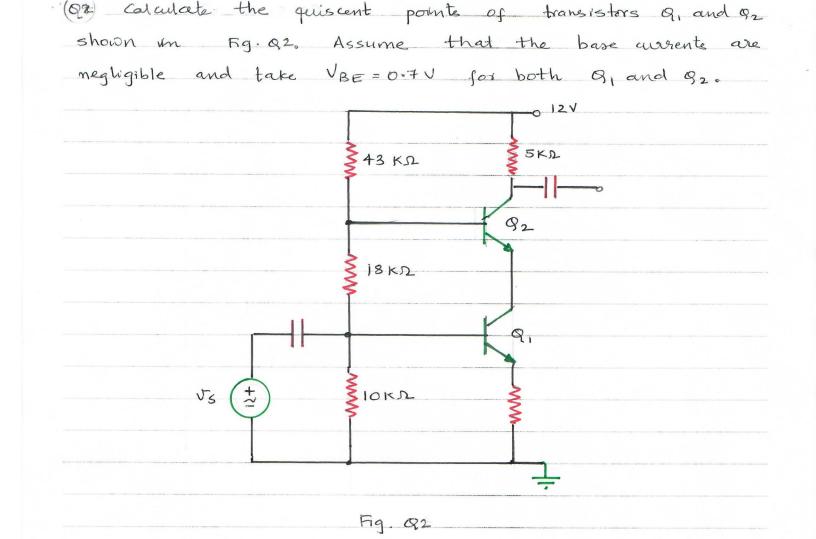
Tutorial Sheet-11 IEC103 (QI) Find the Q points (VCEI, ICI) and (VCE2, IC2) of transfers Q1 and Q2 respectively in the amplifier circuit shown in Fq. Q1 Take Ic ~ IE, NBE = 0.7 V 0 10V 010V 9+3KI 5.1K.2 OV 100KD 9.1Ks2 4. a K 12 - IOV -10V

Fig. Q1



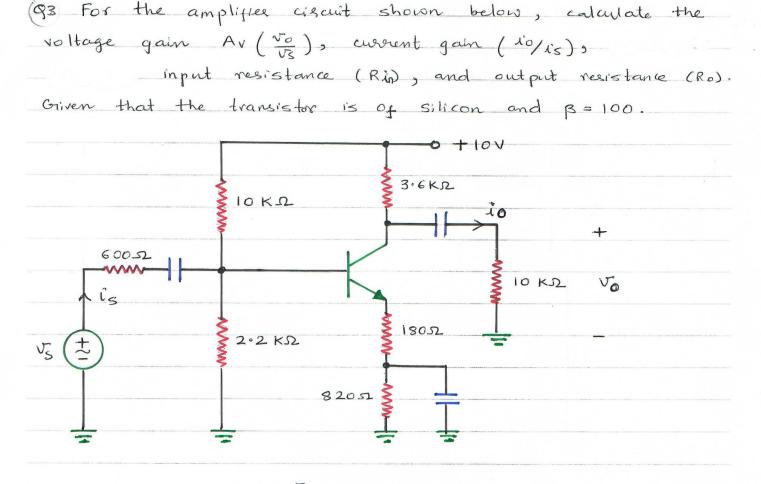


Fig. Q3

For the CC amplifier shown in Fig. 24 shown below draw the small signal equivalent of the circuit and compute the voltage gain =  $A_V = \frac{V_0}{V_S}$ +15 V ( Vcc) IOK Fig. Q4

Assume that capacities act as short concert in the frequency range of interest. Take B = 100,  $V_{BE} = 0.7V$