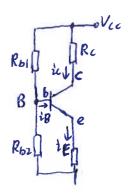
1) the transistor is working at the cutoff region.

possible reasons:

ce. (1). Rb is open

(2). Colis short

$$I_{CR} \approx I_{ER} \approx \frac{V_{BR} - V_{BER}}{Re}$$



$$I_{BR} = \frac{I_{CR}}{\beta}$$

Ica = BIGQ = 80 x 23 MA = 1.84 MA

pue to Base and Emitter Junction is reversed, the transistor is working at the cutoff region.