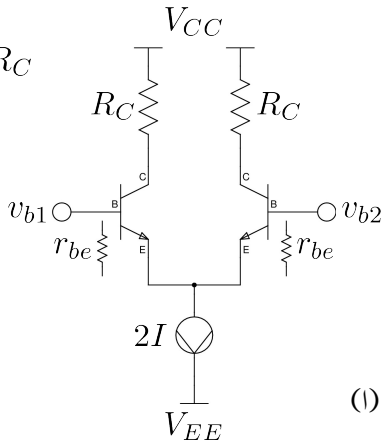


$$v_d = v_{b1} - v_{b2}$$

$$i_b = \frac{v_{b1} - v_{b2}}{2r_{be}} = \frac{v_d}{2r_{be}}$$

$$R_{id} = \frac{v_d}{i_b} = 2r_{be}$$

(ب)



(ل)