

- (3) The two transistors in the circuit shown are identical. Compute  $I_{C1Q}$ ,  $I_{E1Q}$ ,  $I_{B2Q}$ ,  $I_{C2Q}$ ,  $V_{CE1Q}$  and  $V_{CE2Q}$ . Calculate  $e_o / e_{in}$ ,  $Z_{in}$ ,  $Z_o$ . Assume  $\beta = 50$ ,  $V_{BEQ} = 0.7V$  and all capacitors are ac shorts.

