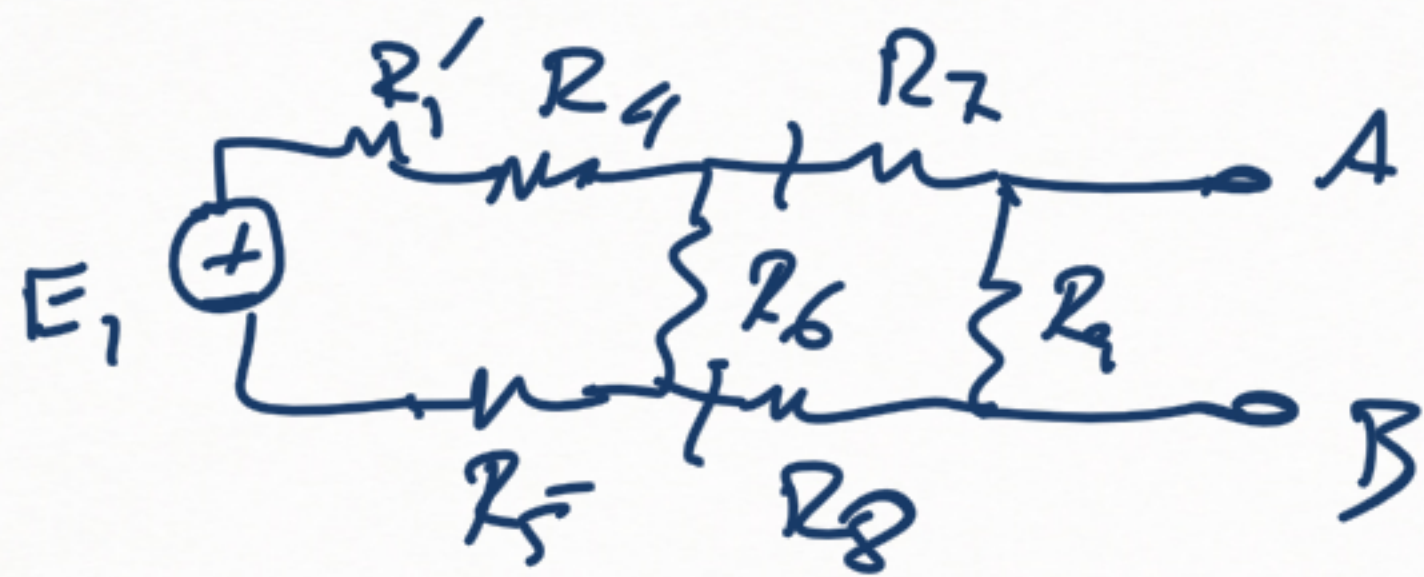


$$E_1 = \frac{R_3}{R_3 + R_1 + R_2} E \quad R_1' = (R_1 + R_2) \parallel R_3$$



$$E_2 = \frac{R_6 \cdot E_1}{R_6 + R_1' + R_4 + R_5}$$

$$R_2' = R_6 \parallel (R_1' + R_4 + R_7)$$



$$V_{TH} = \frac{R_9}{R_9 + R_2' + R_7 + R_8} \cdot E_2$$

$$R_{TH} = R_9 \parallel (R_2' + R_7 + R_8)$$

