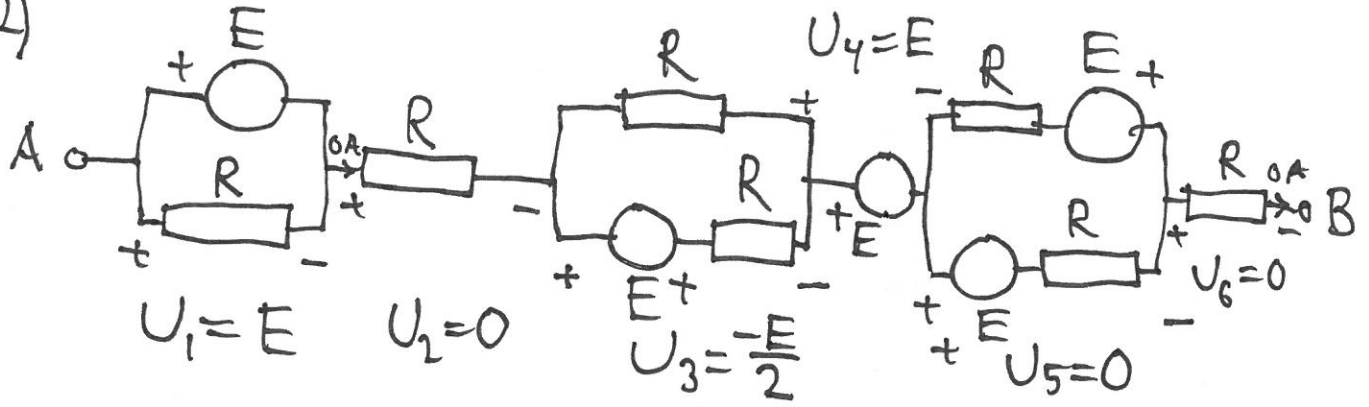


1-12)



$$U_{AB} = U_1 + U_2 + U_3 + U_4 + U_5 + U_6$$

$$= E + 0 - \frac{E}{2} + E + 0 + 0$$

$$= 1.5 \cdot E$$

$$E = 1.5$$



$$U_{AB} = 2.25$$