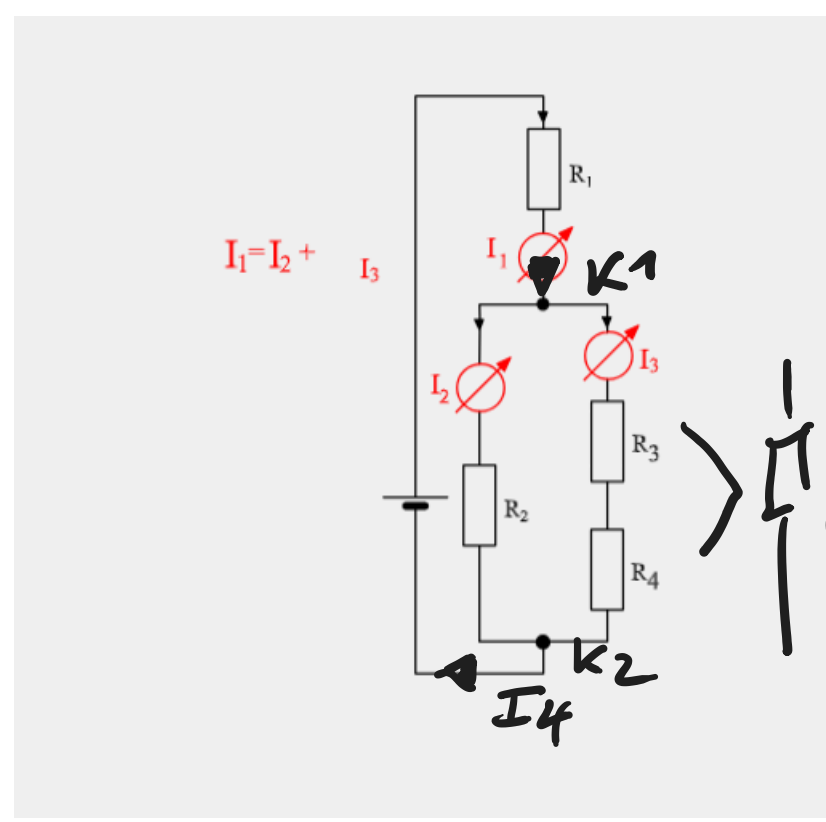
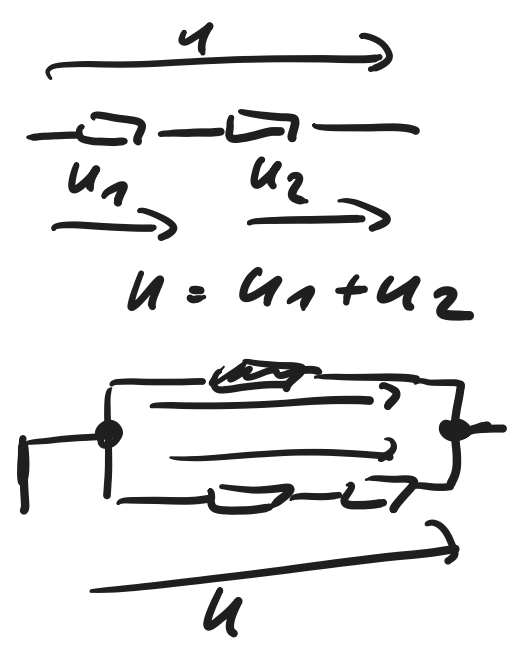
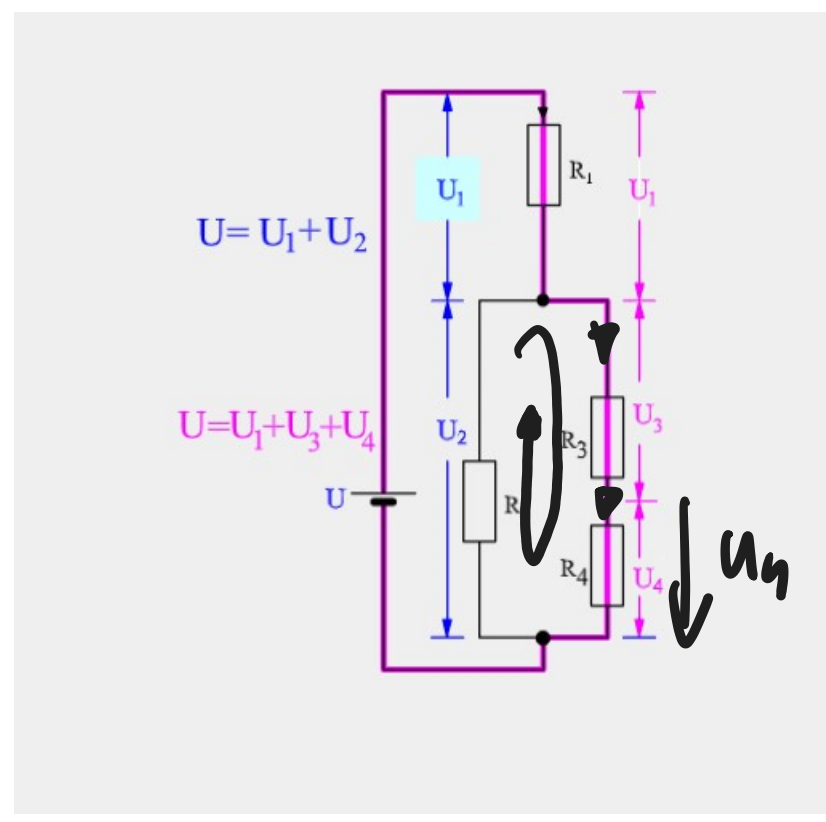


$k_1: \bar{I}_3 = \bar{I}_5 + \bar{I}_4$
 $k_2: \bar{I}_2 - \bar{I}_1 - \bar{I}_5 = 0$



Kirchhoff 1
 $\sum P = 0$
 $P_1 - P_2 - P_3$
 $P_1 = I_2 + I_3$
 $k_2: I_2 + I_3 - P_4 = 0$