

1.) $R_1 = 200 \Omega, R_2 = 400 \Omega, R_3 = 40 \Omega$

$R_{1AB} = 200 \Omega$

$R_{1AC} = 0.07 \Omega$

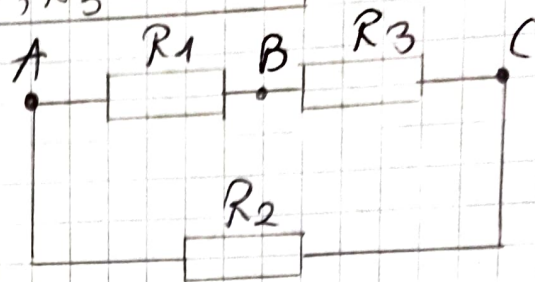


Fig 1

2.) $R_{2AC} = 200 \Omega$

$R_{2BC} = 0.03 \Omega$

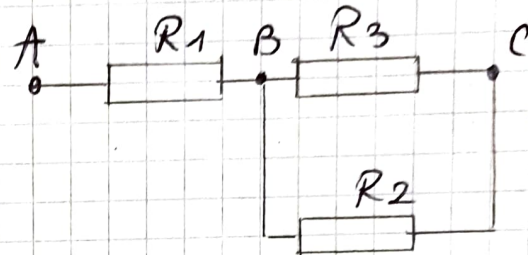


Fig. 2

3.)

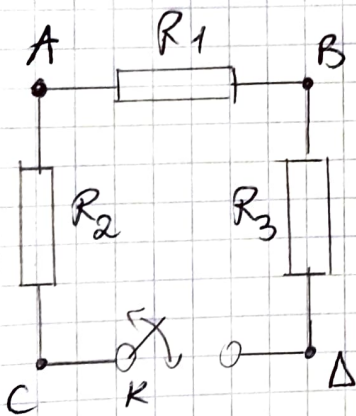


Fig. 3a.

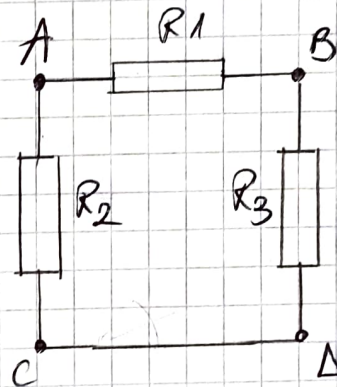
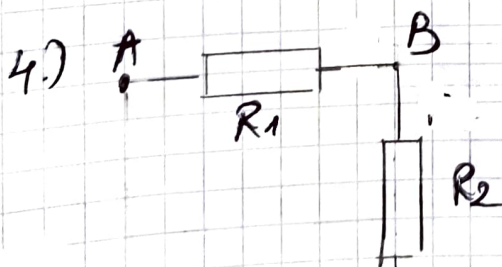


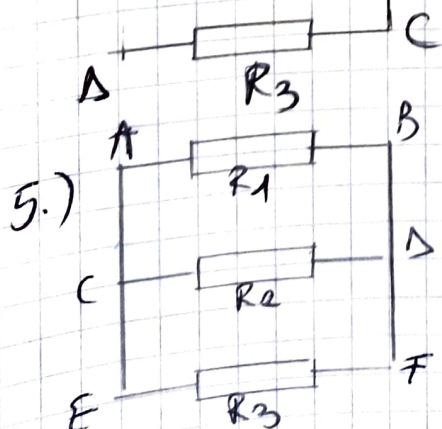
Fig. 3b.

$R_{3A\Delta a} = 240 \Omega$

$R_{3A\Delta b} = 0.07 \Omega$



$R_{A\Delta} = R_{max} = 640 \Omega$



$R_{min} = 0.03 \Omega$

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