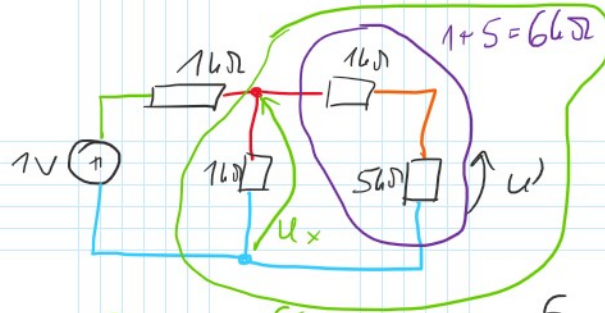
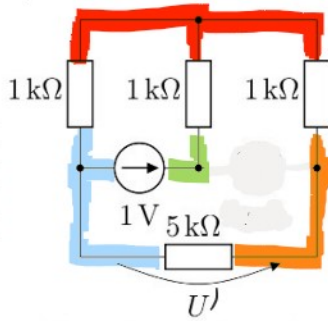


E)

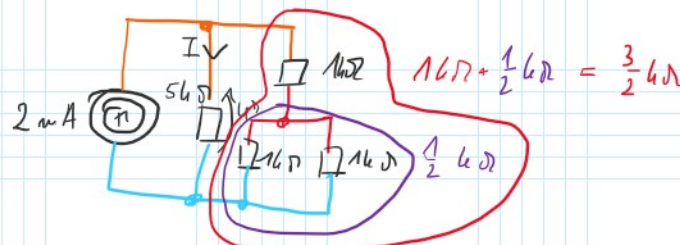
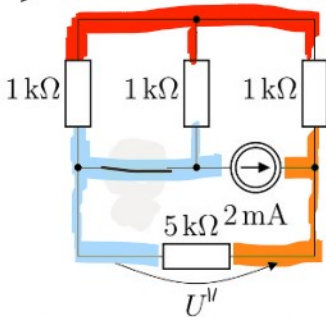


$$1k\Omega || 6k\Omega = \frac{1 \cdot 6}{1+6} k\Omega = \frac{6}{7} k\Omega$$

$$U_x = 1V \cdot \frac{\frac{6}{7} k\Omega}{\frac{6}{7} k\Omega + 1k\Omega} = \frac{\frac{6}{7}}{\frac{13}{7}} V = \frac{6}{13} V$$

$$U' = \frac{6}{13} V \cdot \frac{5k\Omega}{5k\Omega + 1k\Omega} = \frac{6}{13} \cdot \frac{5}{6} V = \frac{5}{13} V$$

J)



$$I = 2mA \cdot \frac{\frac{3}{2} k\Omega}{\frac{3}{2} k\Omega + 5k\Omega} = 2mA \cdot \frac{\frac{3}{2}}{\frac{13}{2}} = \frac{6}{13} mA$$

$$U'' = I \cdot 5k\Omega = \frac{30}{13} V$$

$$U = U' + U'' = \frac{5}{13} V + \frac{30}{13} V = \frac{35}{13} V$$