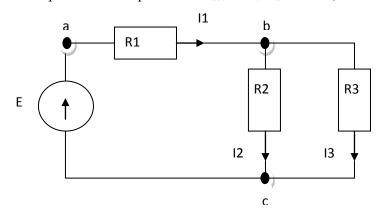
10. Определите напряжения U_{ab} , Ubc, U_{ac} схемы, если E=6B, $R_1=10O$ м, $R_2=R_3=40O$ м.



$$\begin{split} &U_{ab}\!\!=\!\!I_{o\!6ii\!\!+\!1}\!\!\cdot\!\!R_1\\ &U_{ac}\!\!=\!\!I_{o\!6ii\!\!+\!1}\!\!\cdot\!\!R_{o\!6ii\!\!+\!1}\\ &U_{bc}\!\!=\!\!I_{o\!6ii\!\!+\!1}\!\!\cdot\!\!R_{23}\\ &R_{23}=\!\frac{R_2\cdot R_3}{R_2+R_3}=\!\frac{40\cdot 40}{80}=20(\text{Om})\\ &R_{o\!6ii\!\!+\!1}=R_1+R_{23}=10+20=30(\text{Om})\\ &I_{o\!6ii\!\!+\!1}=\!\frac{E}{R_{o\!6ii\!\!+\!1}}=\!\frac{6}{30}=0.2(\text{A})\\ &U_{ab}\!\!=\!0.2\cdot\!10\!\!=\!\!2(\text{B})\\ &U_{ac}\!\!=\!6(\text{B})\\ &U_{bc}\!\!=\!\!0.2\cdot\!20\!\!=\!\!4(\text{B}) \end{split}$$