$$\begin{array}{c|c}
I_x & R_7 = 50\Omega \\
U_5 & D & V_1 & D & V_2 \\
10V & D & V_2 & D & V_2
\end{array}$$

$$\begin{array}{c|c}
I_x & I_2 \\
V_1 & V_2 & D & V_2 \\
\hline
\end{array}$$

KR!
$$I \times + 2I \times = I_2$$
 and $I \times I_3$ and $I \times I_4$ and I

$$R_1 = R_2$$
 $R_1 = R_2$
 $R_2 = R_2$
 $R_3 = R_2$
 $R_4 = R_2$
 $R_1 = R_2$
 $R_2 = R_2$
 $R_3 = R_2$

$$U_1 = R_1 \cdot I_2 = 3$$
 ous 2 un ausdrüchen $U_2 = R_2 \cdot I_2 = 4$ $U_3 \cdot U_5 - U_2$

$$\frac{3 \cdot Us}{R_1} = \frac{U2}{R_2} + \frac{3 \cdot U_2}{R_1} = \frac{3 \cdot (U_S - U_2)}{R_1} = \frac{U2}{R}$$

$$U_{2} \cdot \left[\frac{1}{n_{2}} + \frac{3}{n_{1}} \right] = U_{2} \cdot \frac{R_{1} + 3 R_{2}}{R_{1} \cdot R_{2}}$$

$$V_2 = \frac{3 \text{ Us}}{R_1} \cdot \frac{R_1 \cdot R_2}{R_1 + 3R_2} = \frac{3 \text{ Us}}{R_1 + 3 \cdot R_2} = \frac{3 \cdot 10 \cdot 20}{15 + 3 \cdot 20} = \frac{8 \text{ V}}{15 + 3 \cdot 20} = \frac{8 \text{ V}$$