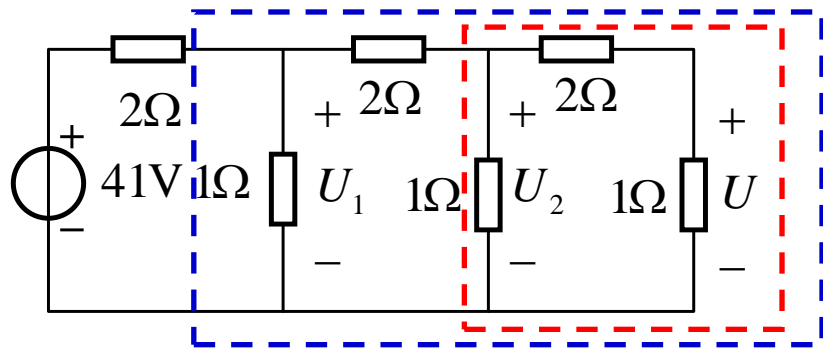


# 电阻等效的例题

例1 电路如图, 求 $U = ?$



解:  $R_1 = (2 + 1)\Omega // 1\Omega = \frac{3}{4}\Omega$

$$R_2 = 1\Omega // (2\Omega + R_1) = \frac{11}{15}\Omega$$

$$U_1 = \frac{R_2}{2\Omega + R_2} \times 41\text{V} = 11\text{V}$$

$$U_2 = \frac{R_1}{2\Omega + R_1} \times U_1 = 3\text{V}$$

$$U = \frac{1\Omega}{2\Omega + 1\Omega} \times U_2 = 1\text{V}$$