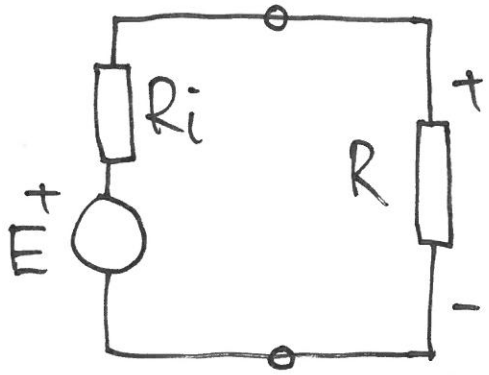
1-15)



$U = 2,04$

$R_i = 0,10\,\Omega$

$R = 1,0\ k\Omega$

Spänningsdelning:

$$U = \frac{R \cdot E}{R + R_i} \Leftrightarrow U \cdot (R + R_i) = R \cdot E \Leftrightarrow$$

$$E = \frac{U \cdot (R + R_i)}{R} = \frac{2,04 \cdot (1,0k + 0.10)}{1,0\,k}$$

$$= 2,040204V$$

Felet är $|U - E| = 2,04 \cdot 10^{-4} \approx 0.2\,mV$