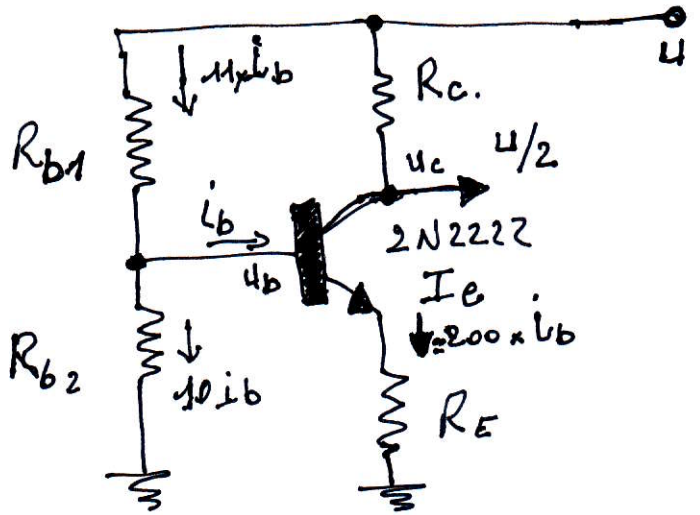

$U = 12\,V$

$I_e = 10\,mA$.

$R_E = \frac{1,2\,V}{0,01\,A} = 120\,\Omega$.

$U_e = 1,2\,V$

$U_b = 1,2 + 0,7 = 1,9\,V$

$U_c = \frac{12}{2} = 6\,V$

$I_b = \frac{10\,mA}{200} = 50\,\mu A$

$R_{b2} = \frac{1,9\,V}{50 \cdot 10^{-6}} = 3.800\,\Omega$.

$U_{Rb1} = 12 - 1,9 = 10,1\,V$.

$R_{b1} = \frac{10,1}{500\,\mu A + 50\,\mu A} = 18.364\,\Omega$.

$R_C = \frac{12\,V}{2} \times \frac{1}{10\,mA} = 600\,\Omega$.