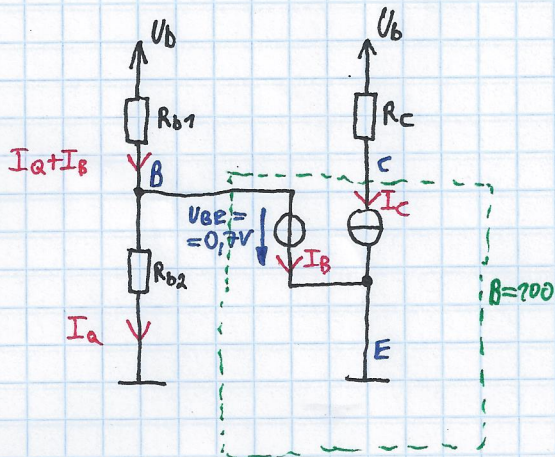
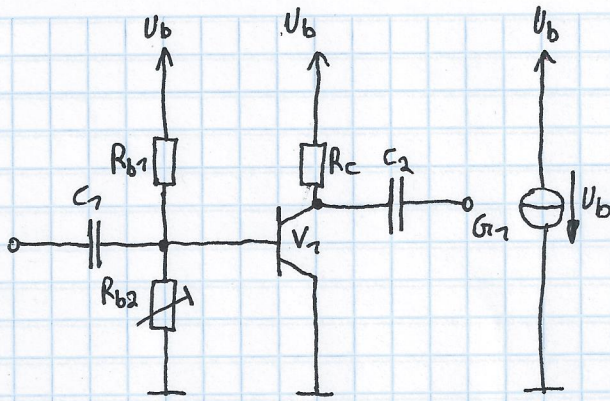




geg: alle R und U_b

$$I_a = \frac{U_{be}}{R_{b2}}$$

$$U_{Rb1} = U_b - U_{be}$$

$$I_b = \frac{U_b - U_{be}}{R_{b1}} - \frac{U_{be}}{R_{b2}} = \frac{U_b - U_{be}}{I_a + I_b} - \frac{U_{be}}{I_a}$$

$$I_c = I_b \cdot \beta$$

$$U_{CE} = U_b - U_{RC} = U_b - I_c \cdot R_c$$

AP... berechnet