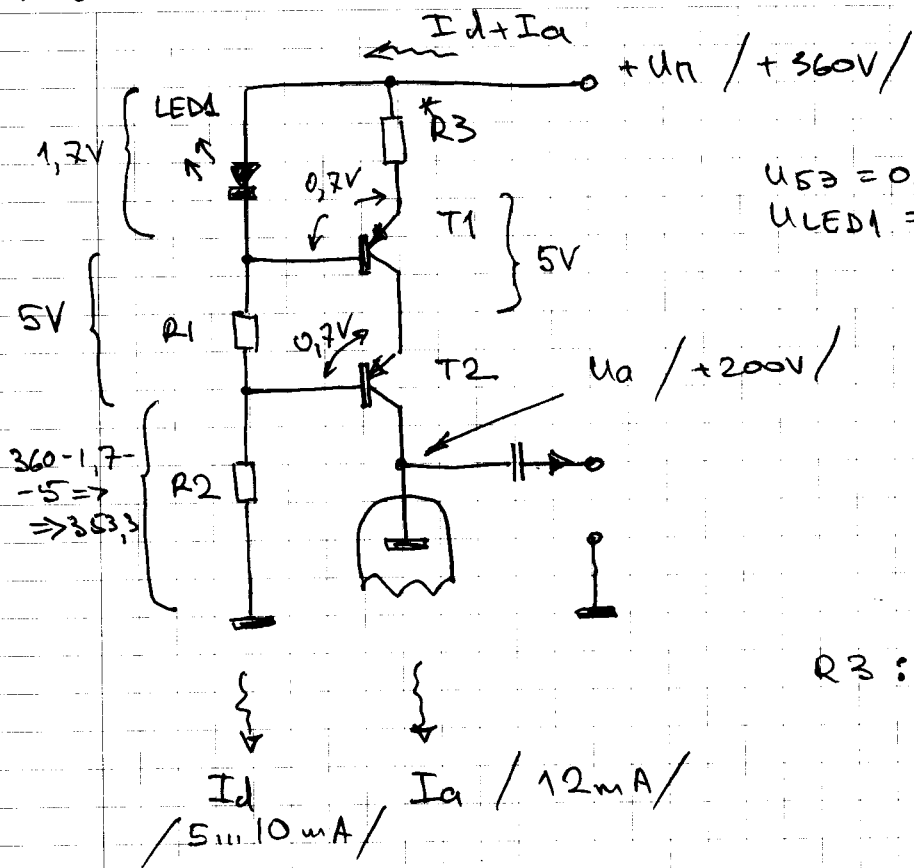


Источники тока на биполярных транзисторах



$$U_{BE} = 0,7V$$

$$U_{LED1} = 1,7V \text{ (Red Led)}$$

$$I_a = \frac{(U_{LED1} - U_{BE})}{R3}$$

$$R3 = \frac{U_{LED1} - U_{BE}}{I_a}$$

$$\text{ГАС7: } I_a = 12 mA$$

$$R3 = \frac{1,7 - 0,7}{12} = 83 \Omega$$

