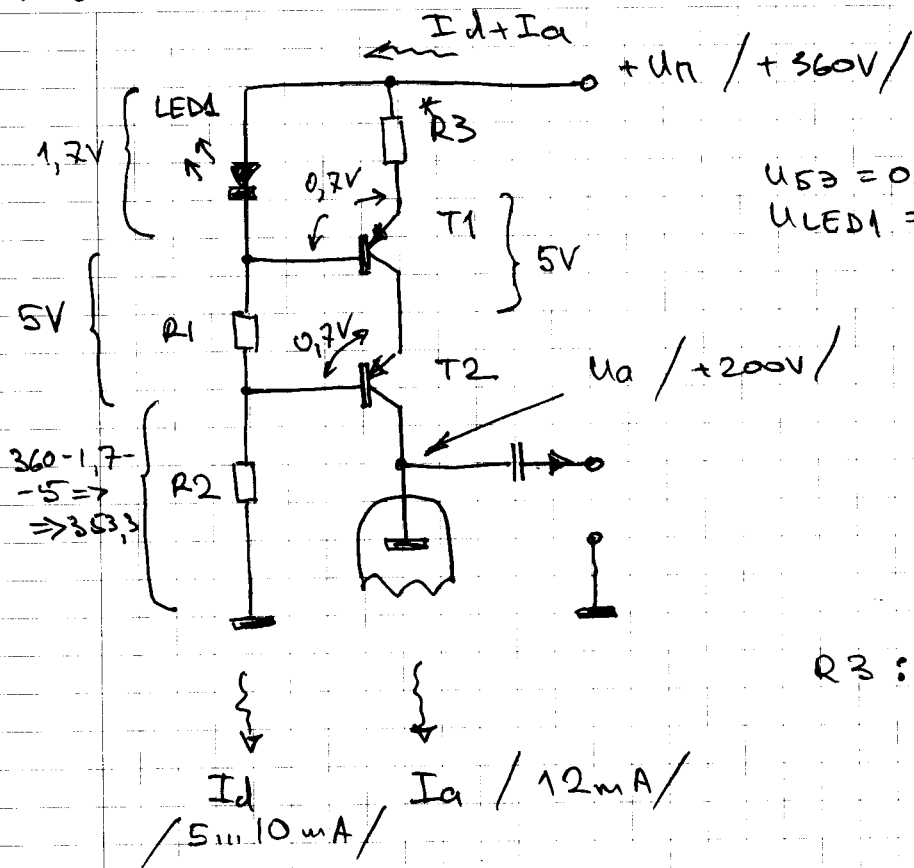


# Источники тока на биполярных транзисторах



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

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

$$I_a = \frac{(U_{LED1} - U_{BE})}{R_3}$$

$$R_3 = \frac{U_{LED1} - U_{BE}}{I_a}$$

$$\text{ГАС7: } I_a = 12mA$$

$$R_3 = \frac{1,7 - 0,7}{12} = 83\Omega$$

