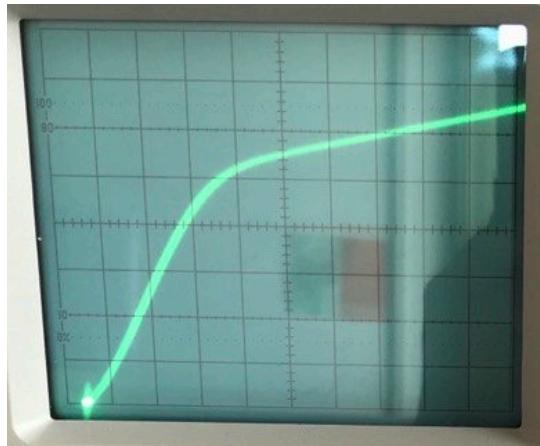


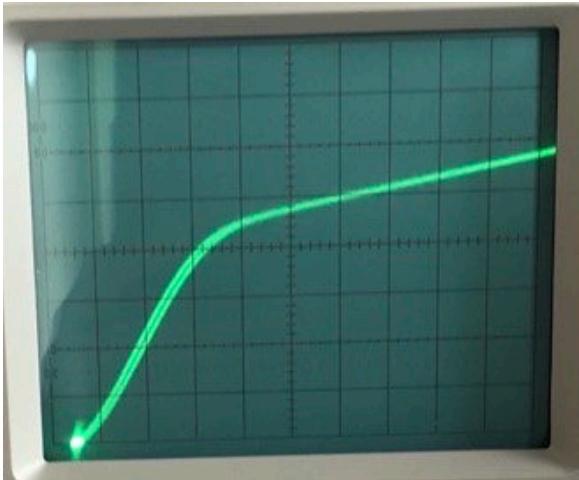
## 2.2 Widerstand: $23\text{ k}\Omega$ , x: $0,1\text{ V/Div}$ , y: $10\text{ mV/Div}$



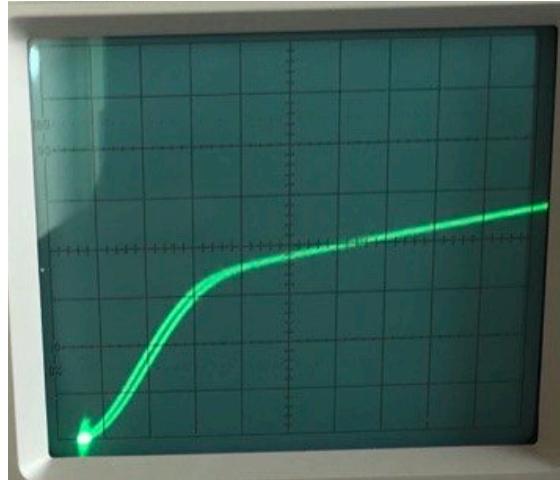
$$I_B = 0,5 \text{ mA} \quad U = 12,31 \text{ V}$$



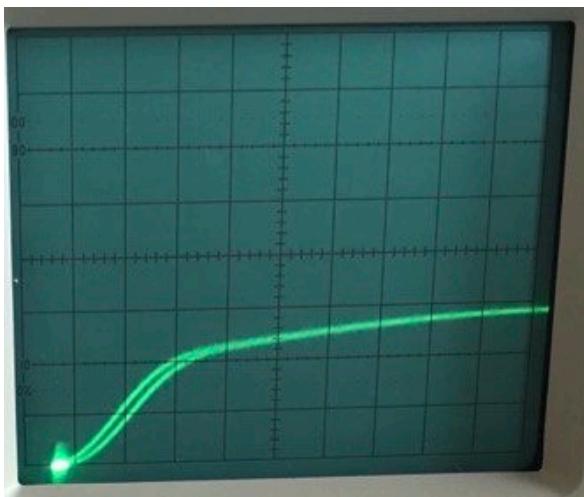
$$I_B = 0,4 \text{ mA} \quad U = 10,0 \text{ V}$$



$$I_B = 0,3 \text{ mA} \quad U = 7,83 \text{ V}$$

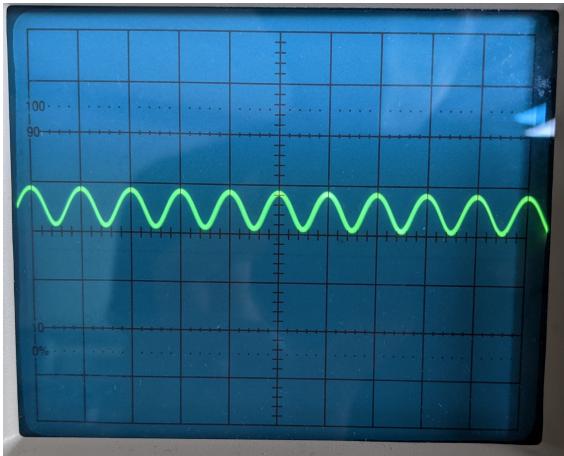


$$I_B = 0,2 \text{ mA} \quad U = 5,51 \text{ V}$$

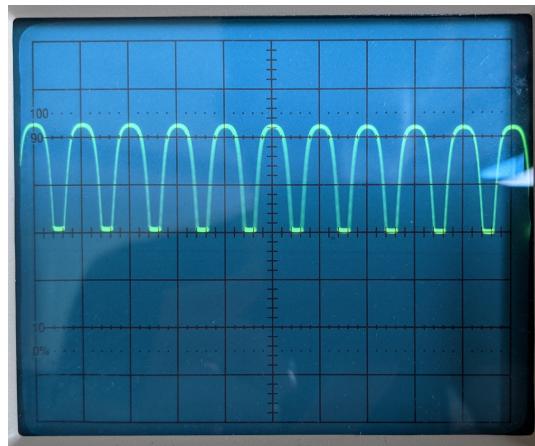


$$I_B = 0,1 \text{ mA} \quad U = 3,09 \text{ V}$$

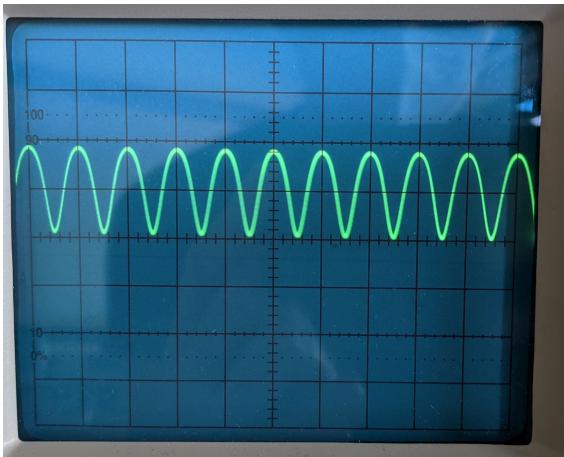
## 2.3.3



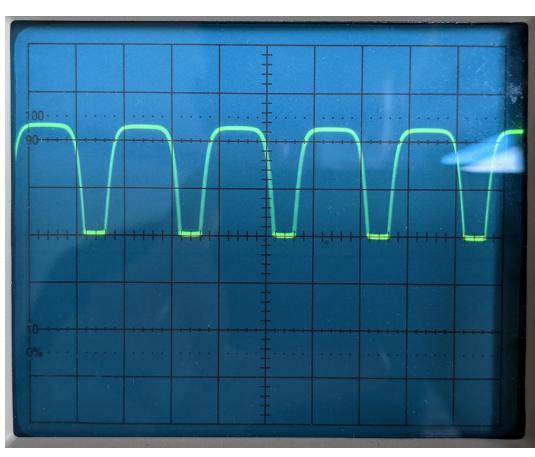
20 mV



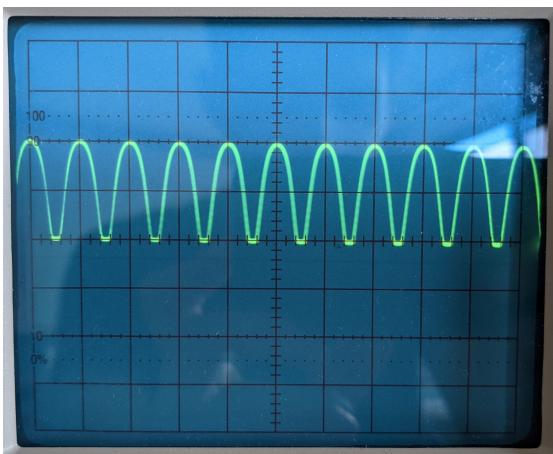
120 mV



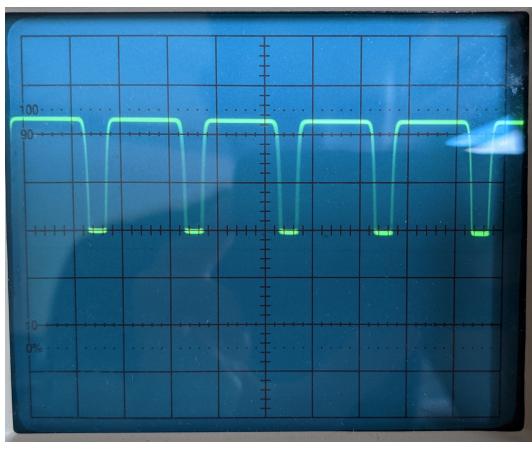
50 mV



200 mV



70 mV



800 mV

