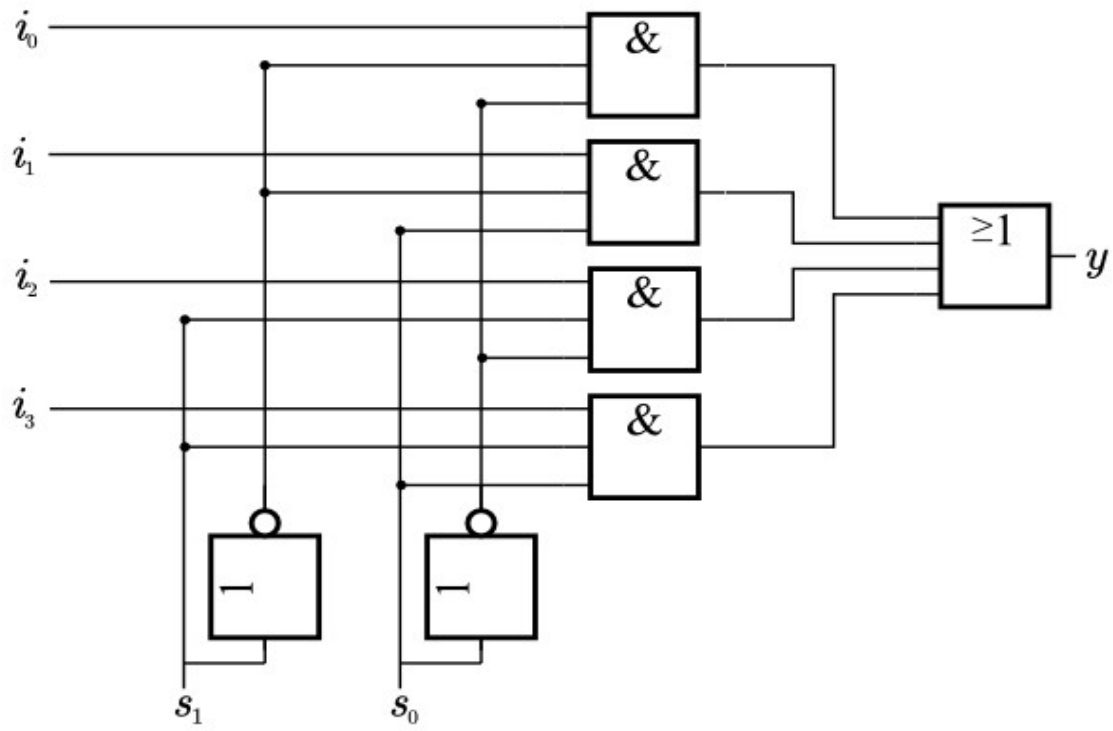


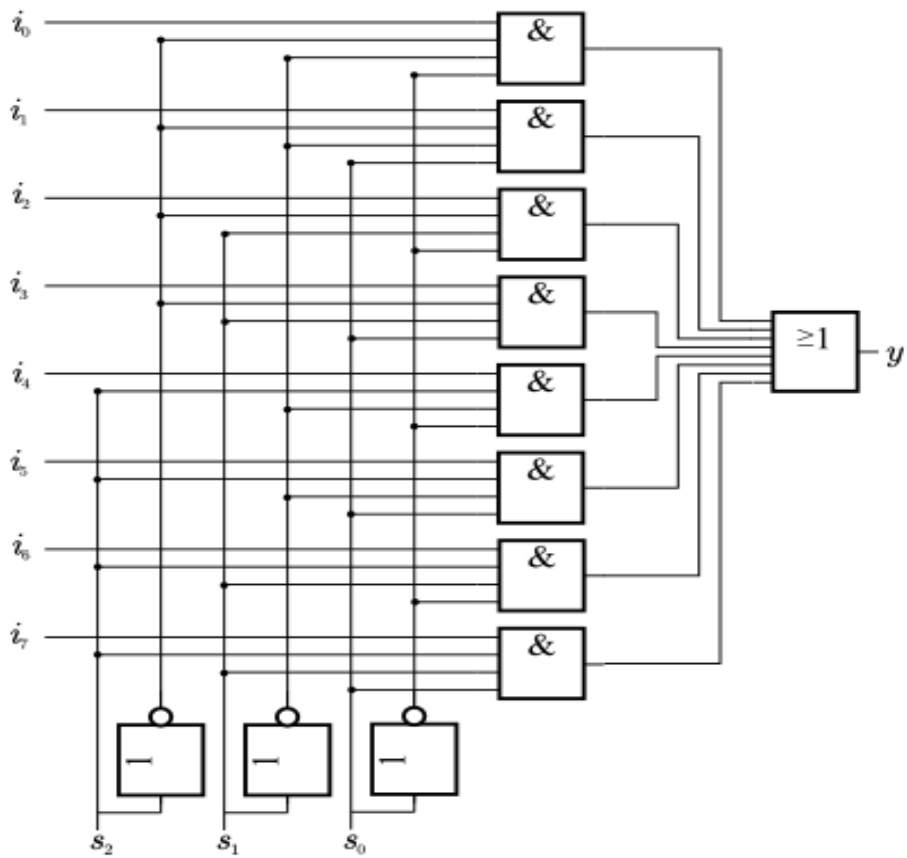
Übungsblatt 4

4.1

a.



c.



e.

$$Y = (A \wedge B \wedge C) \vee (A \wedge B \wedge \bar{C}) \vee (A \wedge \bar{B} \wedge C)$$

$$Y = (A \wedge B) \wedge (C \vee \bar{C}) \vee (A \wedge \bar{B} \wedge C) \quad \text{Absorption}$$

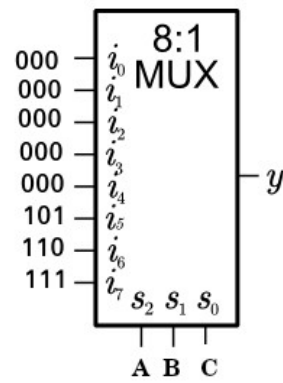
$$Y = (A \wedge B) \vee (A \wedge \bar{B} \wedge C) \quad \text{Tautologie}$$

$$Y = A \wedge (B \vee (\bar{B} \wedge C)) \quad \text{Absorption}$$

$$Y = A \wedge (B \vee \bar{B}) \wedge (B \vee C) \quad \text{Distributivität}$$

$$Y = A \wedge (B \vee C) \quad \text{Tautologie}$$

f.



h.

