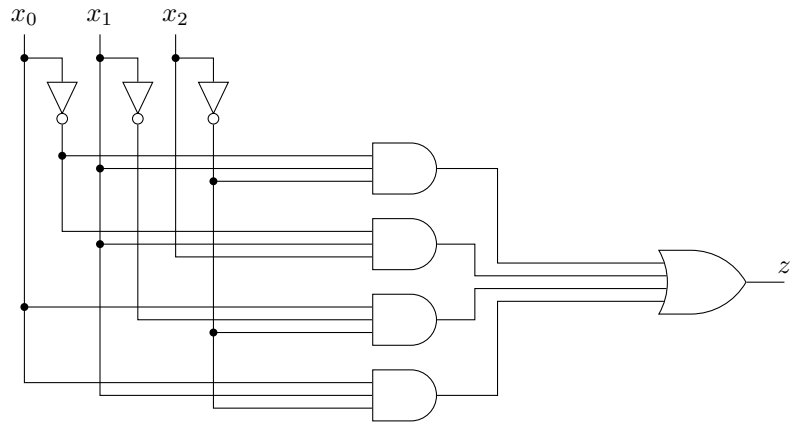
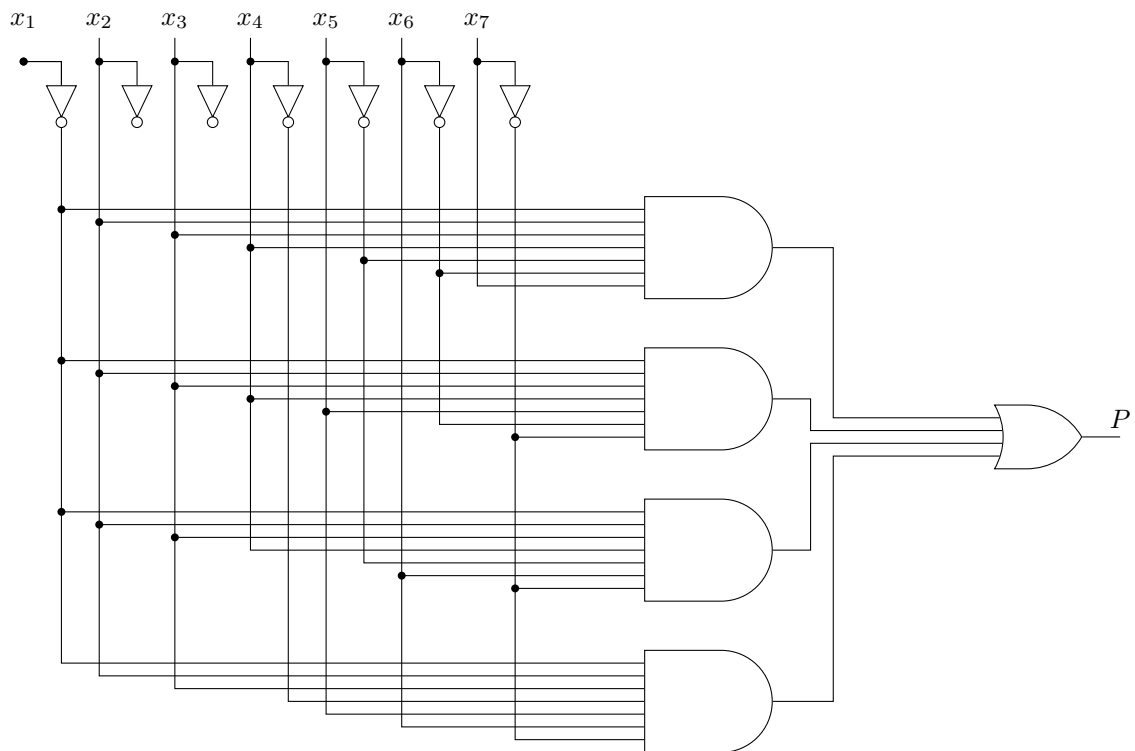


1 Logic circuit 1

$$z = (x_0 \cdot x_1 \cdot \neg x_2) + (x_0 \cdot x_1 \cdot x_2) + (x_0 \cdot \neg x_1 \cdot x_2) + (\neg x_0 \cdot x_1 \cdot x_2) \quad (1)$$

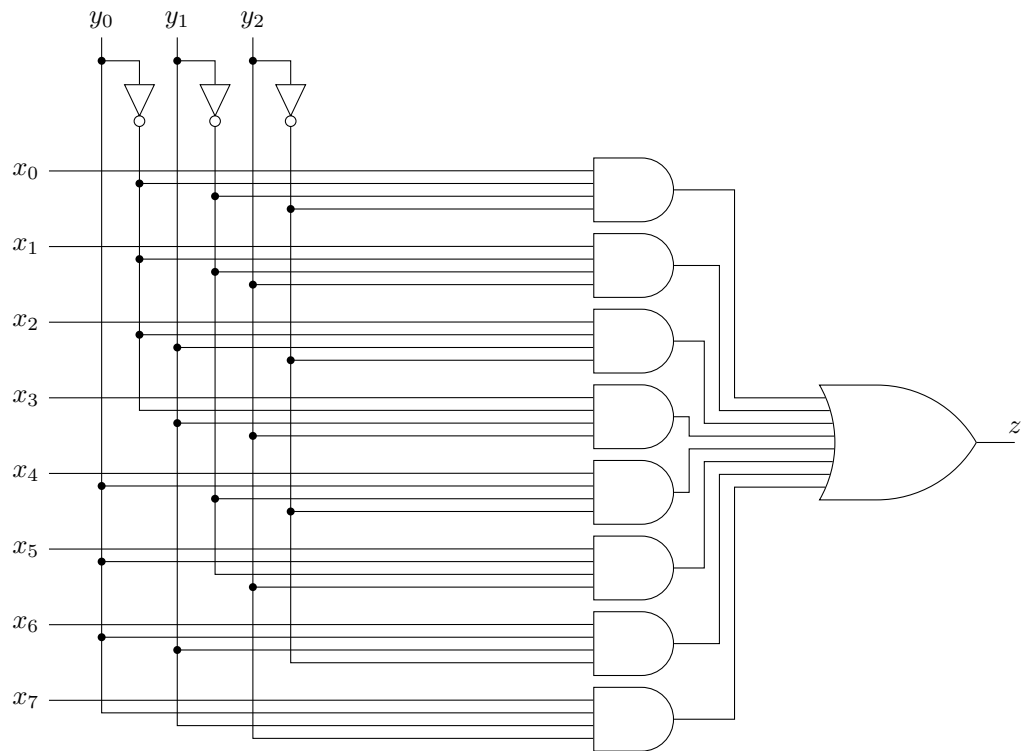


2 Logic circuit 2

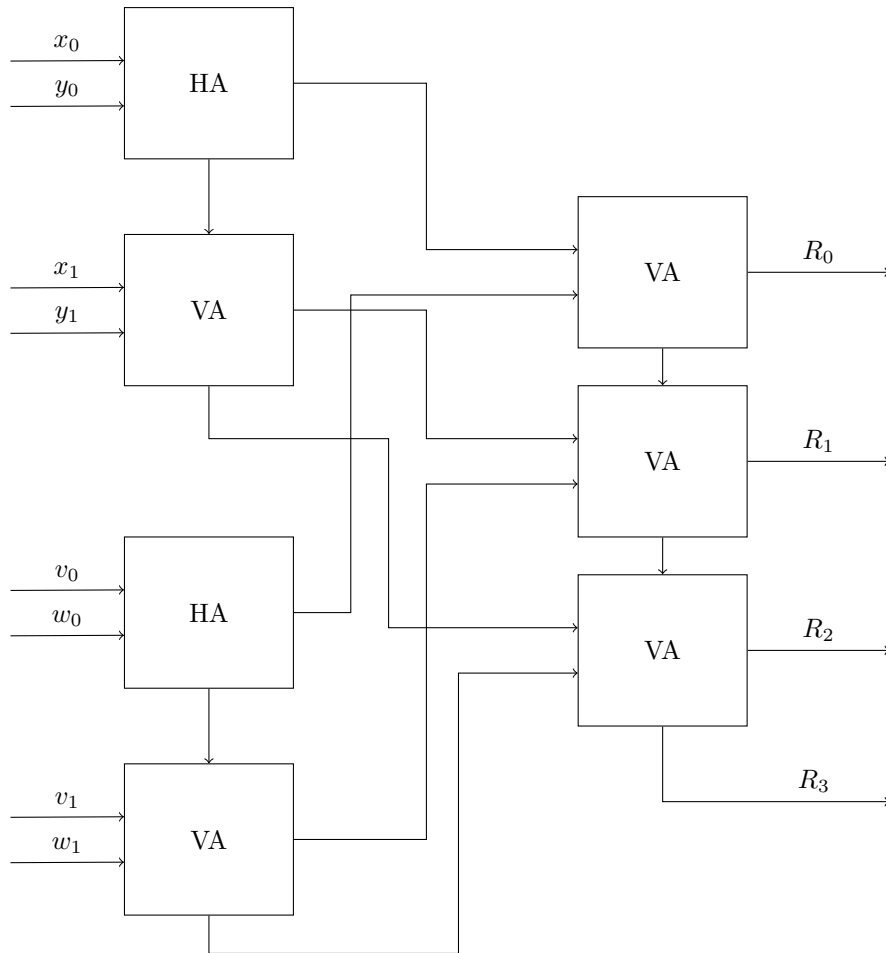


3 Logic circuit 3

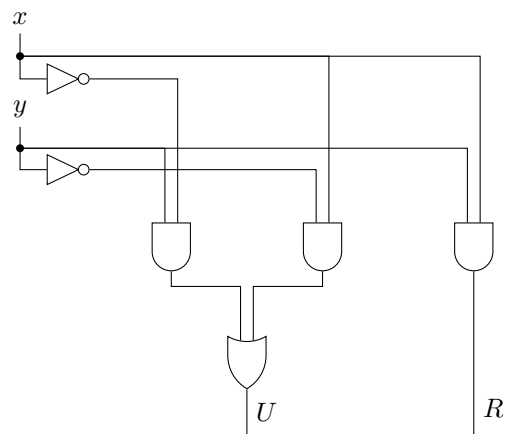
3-Mux



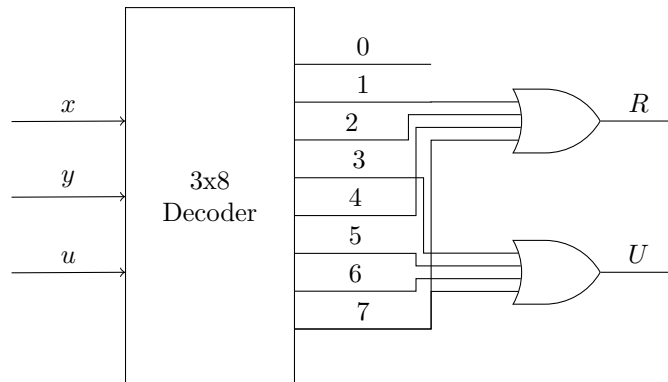
4 Adder



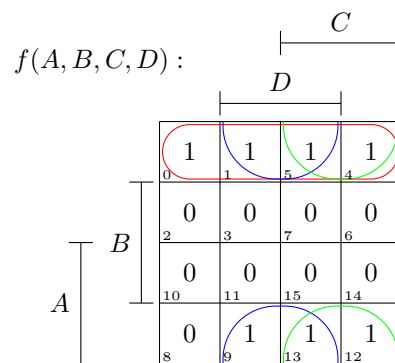
5 Halfadder



6 Decoder



7 Karnaugh Map



$$\neg A \neg B + \neg B D + \neg B C \quad (2)$$

8 K2

