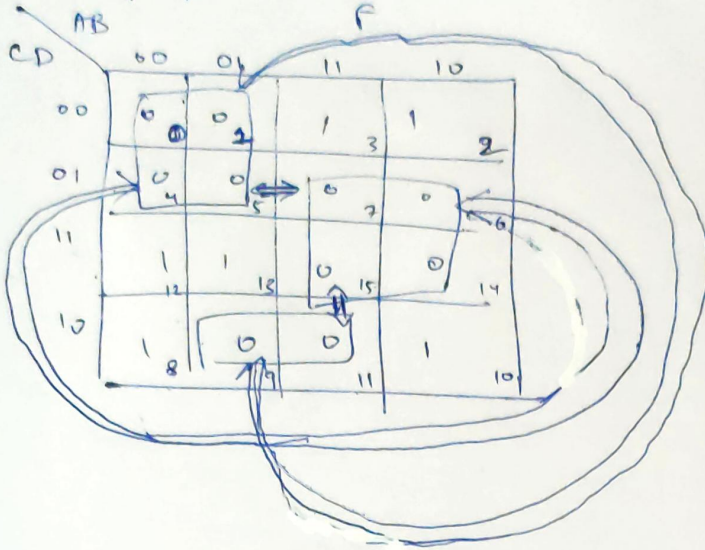


(1)

(a) Kmap for f



monotonic transitions
with static-0 hazards

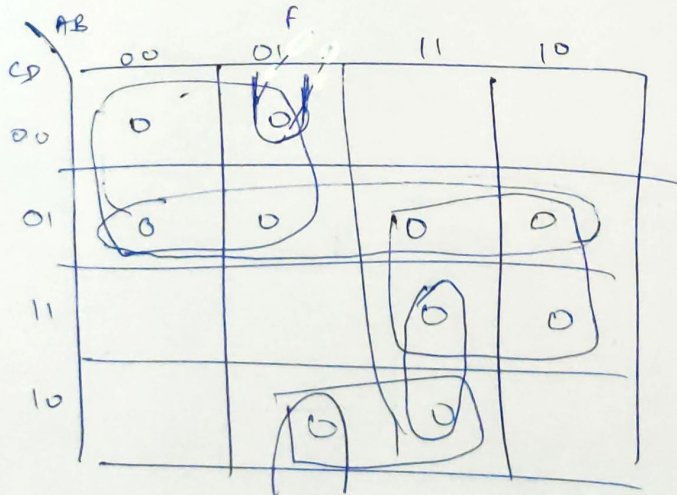
$$(m_1 \rightarrow m_7), (m_5 \rightarrow m_7), \\ (m_6 \rightarrow m_4), (m_{15} \rightarrow m_{11})$$

There are 4 adjacent 0's that are not in the same group

thus, they all correspond to a static-0 hazard.

It can be eliminated by making

$$F' = (A+C)(A'+D')(B'+C'+D)(C+D')(A+B'+D)(A'+B'+C')$$



Kmap for f with no static-0 hazards.