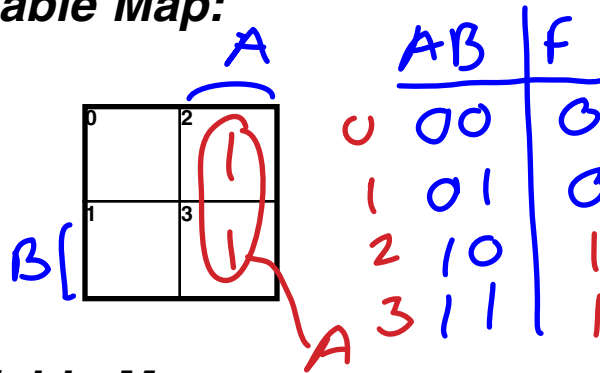


Karnaugh Maps

2 Variable Map:

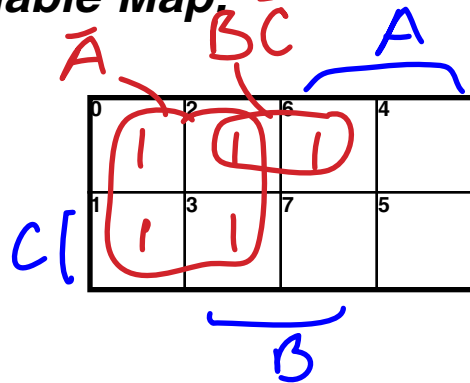


$$m_2 + m_3$$

$$= \underbrace{A\bar{B} + AB}_{A} \quad \begin{matrix} x=A \\ y=B \end{matrix}$$

$$\boxed{xy + x\bar{y} = x}$$

3 Variable Map:

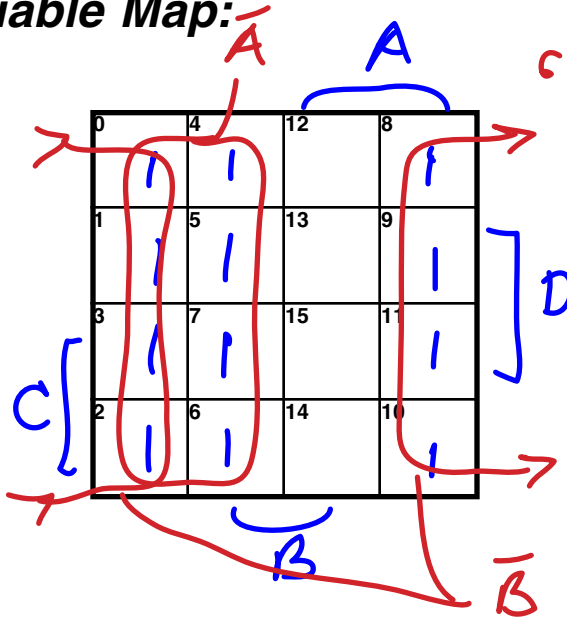


ABC	F = $\sum m(0,1,2,3,6)$
0 000	1
1 001	1
2 010	1
3 011	1
4 100	0
5 101	0
6 110	1
7 111	0

$F = \bar{A} + B\bar{C}$

4 Variable Map:

#4



$$F = \bar{A} + \bar{B}$$

$$= \overline{A \cdot B}$$