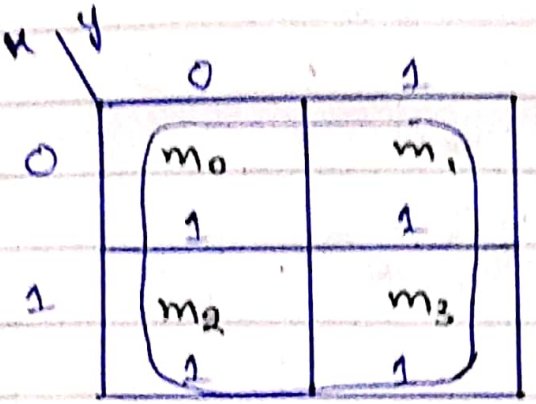
Class Assignment

Name: Sadaf Saleem
Roll: # 2929
class: BSCS - 2nd (M).

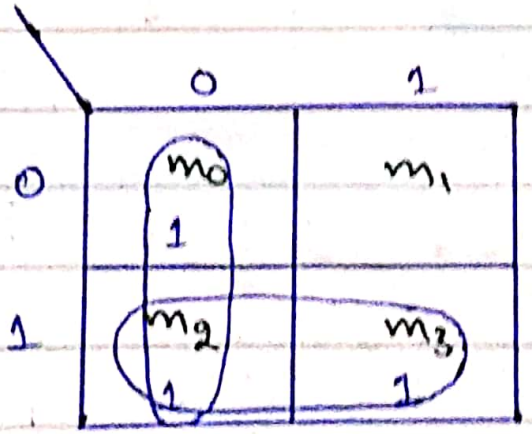
=> 2-variable K-map

(i) $F(x,y) = \Sigma(0,1,2,3)$.



$F(x,y) = 1$.

(ii). $F(x,y) = \Sigma(0,2,3)$



$F(x,y) = x + y'$

=> 3 variable k-map

(i). $F(x,y,z) = \Sigma(3,4,5,6,7)$

x \ yz	00	01	11	10
0	m_0	m_1	m_3 1	m_2
1	m_4 1	m_5 1	m_7 1	m_6 1

$F(x,y,z) = x + yz$

(ii). $F(x,y,z) = \Sigma(0,1,3,5)$

x \ yz	00	01	11	10
0	m_0 1	m_1 1	m_3 1	m_2
1	m_4	m_5 1	m_7	m_6

$F(x,y,z) = x'y' + x'z + y'z$