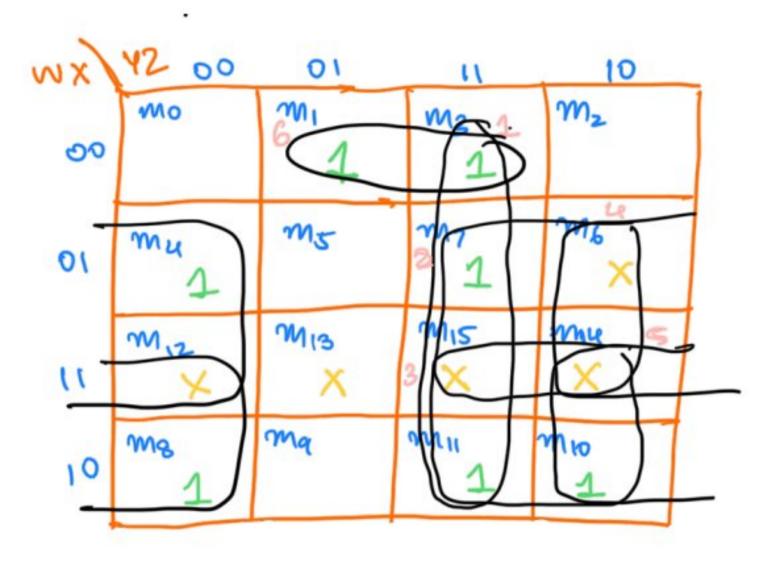
FCSD assignment -1

Q.1.

~	101	~ 1	ч	Z	F
mo	w				0
	О	0	0	0	1
wil	0	0	0	(1
m2	0	0	1	0	0
m3	0	0	1	1	1
Mч	0	I .	0	0	1
MS	0	1	0	(0
m6	0	(1	D	X
m7	0	l	1	t	1
Mg	1	0	0	0	1
ma	١	0	0	()	0
Mio	t	0	ι	Ð	1
mn	t	0	t	t	1
M12	t	· ·	0	0	×
Mig	1	t	0	l.	×
mp	1	1	l	0	×
mis	1		ı	ı	×



minterns:

M1, m3, m9

1: 42 - m3, m7, m11 ~

2: XY : m7

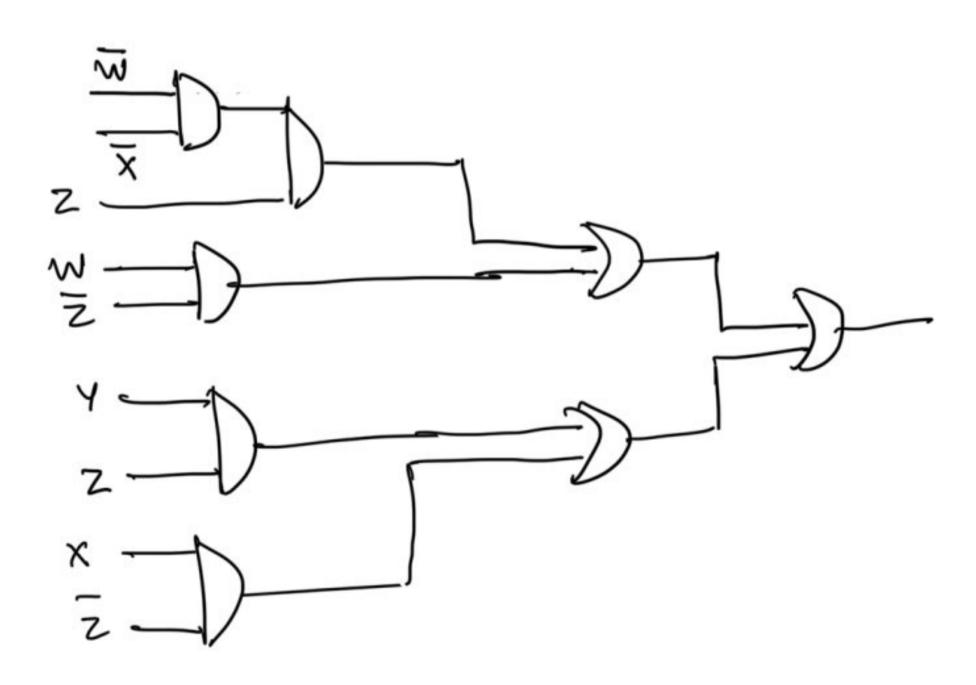
3: WY : m11, m10

4: XZ: m10, m8 V

5: WZ : mu V

6: WXZ: m1, m3 V

(a) WXZ + WZ + XZ +YZ



$$\Rightarrow (\overline{w} \overline{x} z) \cdot (\overline{w} \overline{z}) \cdot (\overline{x} \overline{z}) \cdot (\overline{y} \overline{z})$$

$$= (AB) \cdot (CD)$$

$$= \overline{AB} \cdot \overline{AB} \cdot \overline{AB}$$

$$AB = \overline{AB} \cdot \overline{AB} \cdot \overline{AB}$$

$$||| CD = \overline{CD} \cdot \overline{CD}$$

$$A = \overline{W} \overline{X} Z$$

$$= \overline{L \cdot M}$$

$$\Rightarrow L = \overline{W} \overline{X} \text{ as rand}$$

$$= \overline{W} \overline{X}$$

$$= \overline{W + X}$$

$$= \overline{W + X}$$

$$= \overline{W \cdot X}$$