

11

X \ YZ	00	01	11	10
0	0	1	0	1
1	1	0	0	1

$$A = Y\bar{Z} + X\bar{Z} + \bar{X}YZ$$

$$\bar{A} = YZ + X\bar{Y}Z + \bar{X}\bar{Y}\bar{Z}$$

X \ YZ	00	01	11	10
0	0	0	0	1
1	0	0	0	1

$$C = Y\bar{Z}$$

$$\bar{C} = Z + \bar{Y}$$

X \ YZ	00	01	11	10
0	1	1	0	0
1	0	0	1	1

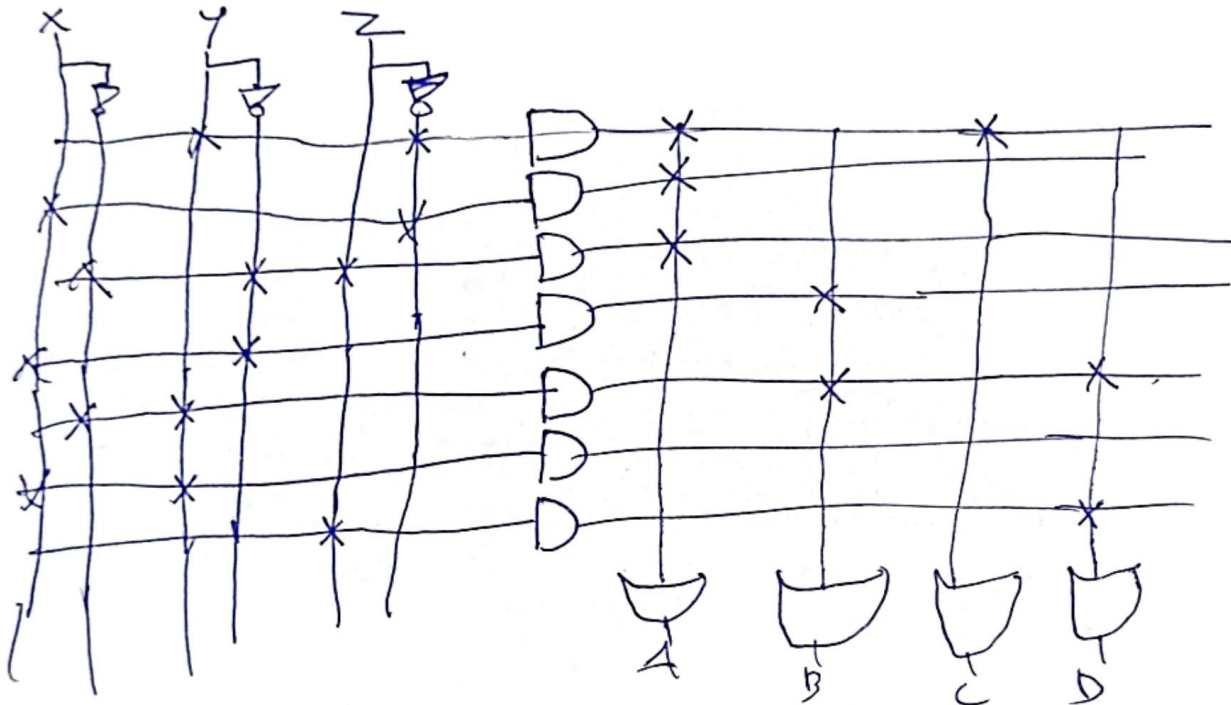
$$B = \bar{X}\bar{Y} + XY$$

$$\bar{B} = X\bar{Y} + \bar{X}Y$$

X \ YZ	00	01	11	10
0	0	1	1	1
1	0	1	1	0

$$D = Z + \bar{X}Y$$

$$\bar{D} = \bar{Y}\bar{Z} + X\bar{Z}$$



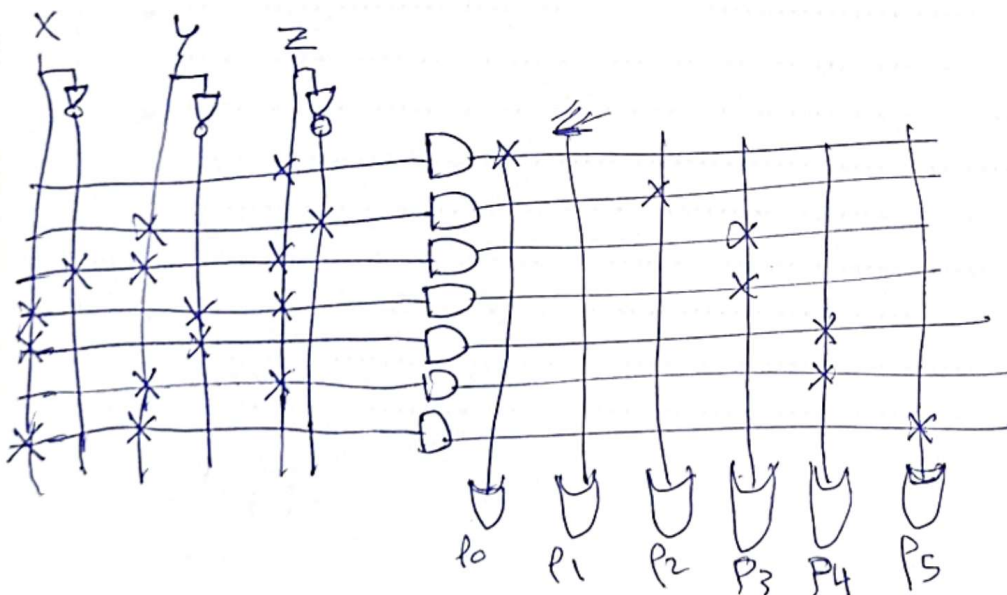
2



At address 1  $A=0, B=1, C=1, D=1$   
 At address 4  $A=1, B=0, C=0, D=1$

X	Y	Z	P <sub>5</sub>	P <sub>4</sub>	P <sub>3</sub>	P <sub>2</sub>	P <sub>1</sub>	P <sub>0</sub>
0	0	0	0	0	0	0	0	0
0	0	1	0	0	0	0	0	1
0	1	0	0	0	0	1	0	0
0	1	1	0	0	1	0	0	1
1	0	0	0	1	0	0	0	0
1	0	1	0	1	1	0	0	1
1	1	0	1	0	0	1	0	0
1	1	1	1	1	0	0	0	1

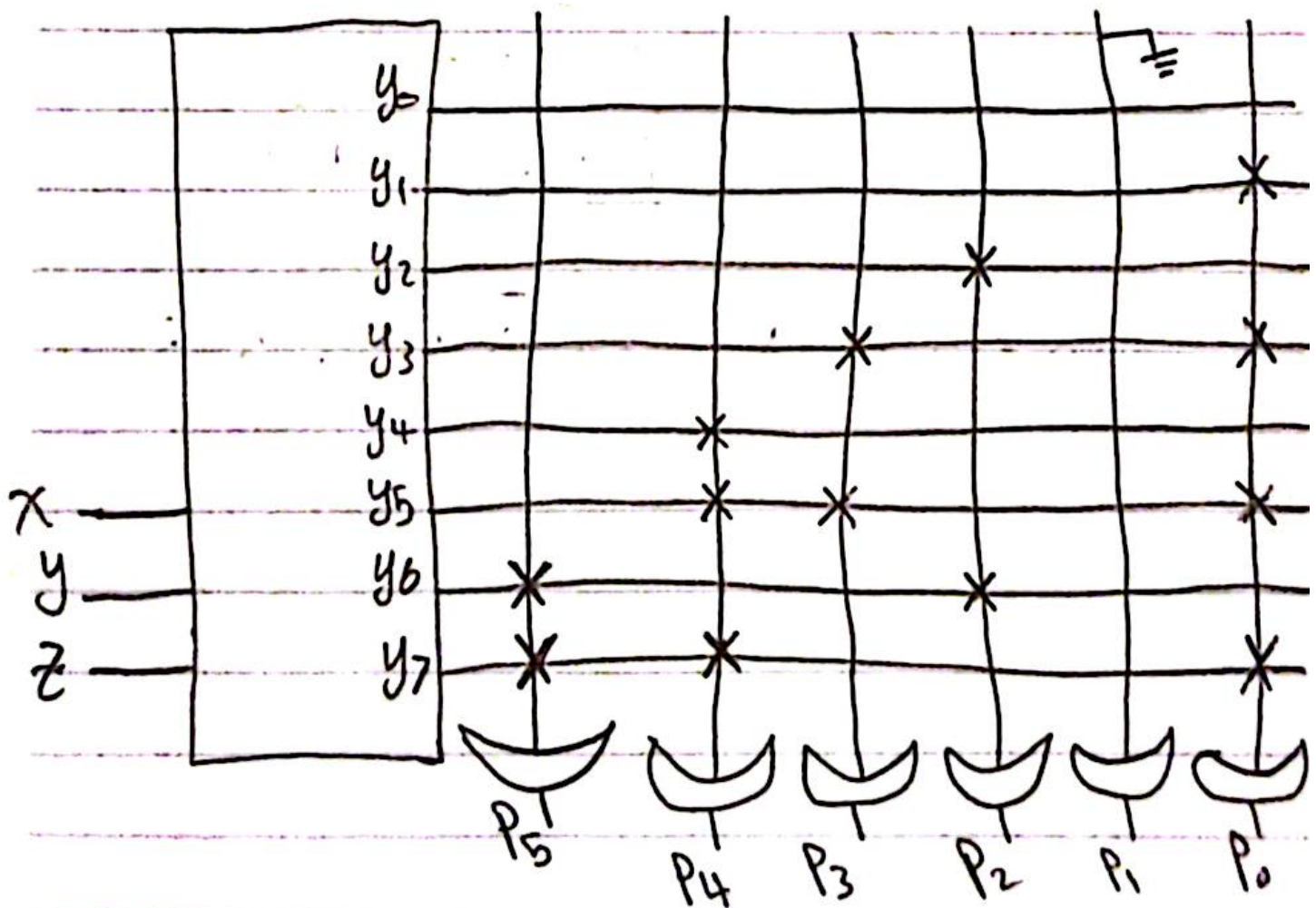
$P_0 = \bar{Z}, P_1 = 0, P_2 = Y\bar{Z}, P_3 = \bar{X}Y\bar{Z}, P_4 = \bar{X}Y\bar{Z} + XY\bar{Z} + X\bar{Y}\bar{Z} + XY\bar{Z}, P_5 = XY$



4

8 X 6 ROM

	0	0	0	0	0	0
	0	0	0	0	0	1
	0	0	0	1	0	0
	0	0	1	0	0	1
x y z	0	1	0	0	0	0
	0	1	1	0	0	1
	1	0	0	1	0	0
	1	1	0	0	0	1





5

$x \backslash yz$	00	01	11	10
0	0	1	0	1
1	1	0	0	1

$$A = y\bar{z} + x\bar{z} + \bar{x}yz$$

$$\bar{A} = yz + x\bar{y}z + \bar{x}\bar{y}\bar{z}$$

$x \backslash yz$	00	01	11	10
0	1	1	1	0
1	0	0	1	1

$$B = \bar{x}\bar{y} + x.y + \{yz\}$$

$$\bar{B} = x\bar{y} + \bar{x}y\bar{z}$$

$x \backslash yz$	00	01	11	10
0	0	1	0	1
1	1	0	1	1

$$C = y\bar{z} + xy + x\bar{z} + \bar{x}\bar{y}z$$

$$\bar{C} = \bar{x}\bar{y}\bar{z} + x\bar{y}z + \bar{x}yz$$

$x \backslash yz$	00	01	11	10
0	0	1	1	1
1	0	1	1	0

$$D = z + \bar{x}y$$

$$\bar{D} = \bar{y}\bar{z} + x\bar{z}$$

let  $G = y\bar{z} + x\bar{z}$

