

2p

Excess 3

to 8 4-2-1

	A	B	C	D	W	X	Y	Z
m <sub>3</sub>	0	0	1	1	0	0	0	0
m <sub>4</sub>	0	1	0	0	0	1	1	1
m <sub>5</sub>	0	1	0	1	0	1	1	0
m <sub>6</sub>	0	1	1	0	0	1	0	1
m <sub>7</sub>	0	1	1	1	0	1	0	0
m <sub>8</sub>	1	0	0	0	1	0	1	1
m <sub>9</sub>	1	0	0	1	1	0	1	0
m <sub>10</sub>	1	0	1	0	1	0	0	1
m <sub>11</sub>	1	0	1	1	1	0	0	0
m <sub>12</sub>	1	1	0	0	1	1	1	1

$$W = \Sigma (8, 9, 10, 11, 12)$$

$$X = \Sigma (4, 5, 6, 7, 12)$$

$$Y = \Sigma (4, 5, 8, 9, 12)$$

$$Z = \Sigma (4, 6, 8, 10, 12)$$

$$d = \Sigma (0, 1, 2, 3, 13, 14, 15)$$

W	$\bar{E}\bar{D}$	$\bar{C}D$	$CD$	$\bar{C}\bar{D}$
$\bar{A}\bar{B}$	X	X	X	X
$\bar{A}B$				
$AB$	1	X	X	X
$A\bar{B}$	1	1	1	1

$$W = A$$

X	$\bar{E}\bar{D}$	$\bar{C}D$	$CD$	$\bar{C}\bar{D}$
$\bar{A}\bar{B}$	X	X	X	X
$\bar{A}B$	1	1	1	1
$AB$	1	X	X	X
$A\bar{B}$				

$$X = B$$

Fazeel



Date: / /

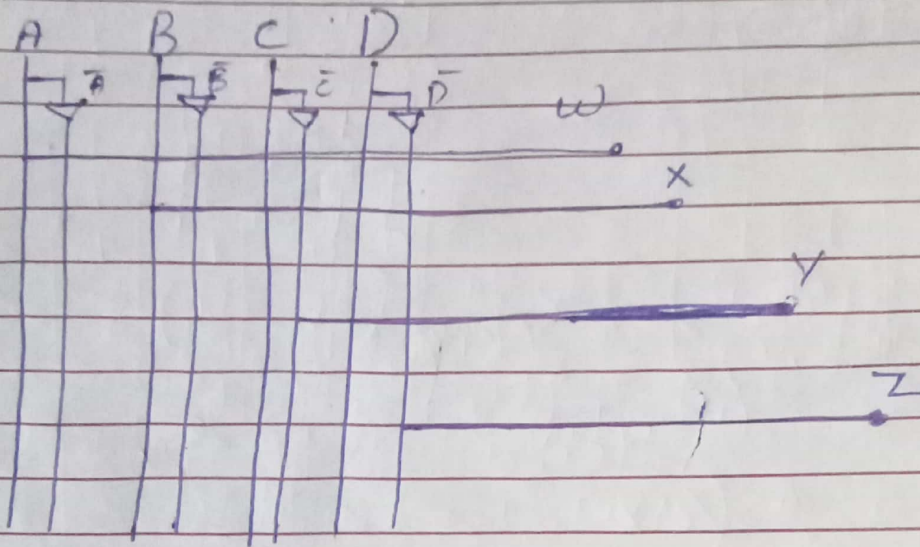
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Y \	$\bar{C}\bar{D}$	$\bar{C}D$	$CD$	$C\bar{D}$
$\bar{A}\bar{B}$	x	x	x	x
$\bar{A}B$	1	1	x	x
$AB$	1	x	x	x
$A\bar{B}$	1	1	x	x

Z \	$\bar{C}\bar{D}$	$\bar{C}D$	$CD$	$C\bar{D}$
$\bar{A}\bar{B}$	x	x	x	x
$\bar{A}B$	1	.	.	1
$AB$	1	x	x	x
$A\bar{B}$	1	.	.	1

$$Y = \bar{C}$$

$$Z = \bar{D}$$



Fazeel Notes