

① a) $\bar{B}(AC + A\bar{C}) + B(AC + A\bar{C})$

A	B	C	AC	$A\bar{C}$	$B(AC + A\bar{C})$	$\bar{B}(AC + A\bar{C})$
0	0	0	0	0	0	0
0	0	1	0	0	0	0
0	1	0	0	0	0	0
0	1	1	0	0	0	0
1	0	0	0	1	0	1
1	0	1	1	0	0	1
1	1	0	0	1	1	0
1	1	1	1	0	1	0

$\bar{B}(AC + A\bar{C}) + B(AC + A\bar{C})$

0
0
0
0
1
1
1
1

C \ AB				
	00	01	11	10
00	0	0	1	1
1	0	0	1	1

$\Sigma f(1, 5, 6, 7) = A$

$$\bar{A}\bar{e} + A\bar{e} + \bar{B}\bar{D} + B\bar{D}$$

A	B	C	D	$\bar{A}\bar{e}$	$A\bar{e}$	$\bar{B}\bar{D}$	$B\bar{D}$	$\bar{A}\bar{e} + A\bar{e} + \bar{B}\bar{D} + B\bar{D}$
0	0	0	0	1	0	1	0	1
0	0	0	1	1	0	0	0	1
0	0	1	0	0	0	1	0	1
0	0	1	1	0	0	0	0	0
0	1	0	0	1	0	0	1	1
0	1	0	1	1	0	0	0	1
0	1	1	0	0	0	0	1	1
0	1	1	1	0	0	0	0	0
1	0	0	0	0	1	1	0	1
1	0	0	1	0	1	0	0	1
1	0	1	0	0	0	1	0	1
1	0	1	1	0	0	0	0	0
1	1	0	0	0	1	0	1	1
1	1	0	1	0	1	0	0	1
1	1	1	0	0	0	0	1	1
1	1	1	1	0	0	0	0	0

AB	00	01	11	10
00	1	1	0	1
01	1	1	0	1
11	1	1	0	1
10	1	1	0	1

$$\Sigma f(0, 1, 2, 4, 5, 6, 8, 9, 10, 12, 13, 14) = \bar{e} + \bar{D}$$

~~3~~
3

	A	B	C	D	3 3	X	Y	Z
0	0	0	0	0	0	0	1	1
1	0	0	0	1	0	1	0	0
2	0	0	1	0	0	1	0	1
3	0	0	1	1	0	1	1	0
4	0	1	0	0	0	1	1	1
5	0	1	0	1	0	0	0	0
6	0	1	1	0	0	0	1	1
7	1	0	1	1	1	0	1	0
8	1	0	0	0	1	0	1	1
9	1	0	0	1	1	1	0	0
10	1	0	1	0	X	X	X	X
11	1	0	1	1	X	X	X	X
12	1	1	0	0	X	X	X	X
13	1	1	0	1	X	X	X	X
14	1	1	1	0	X	X	X	X
15	1	1	1	1	X	X	X	X

3 blue skin

~~AB~~ X \Rightarrow

AB	CD			
	00	01	11	10
00	0	1	1	1
01	1	0	0	0
01	X	X	X	X
10	1	X	X	X

$$u = \overline{B}\overline{C} + B\overline{C}\overline{D} + \overline{B}D$$

उत्तर

AB	CD			
	00	01	11	10
00	0	0	0	0
01	0	1	0	0
11	0	0	0	0
10	0	0	0	0

$$w = A + Bc + cD$$

उत्तर

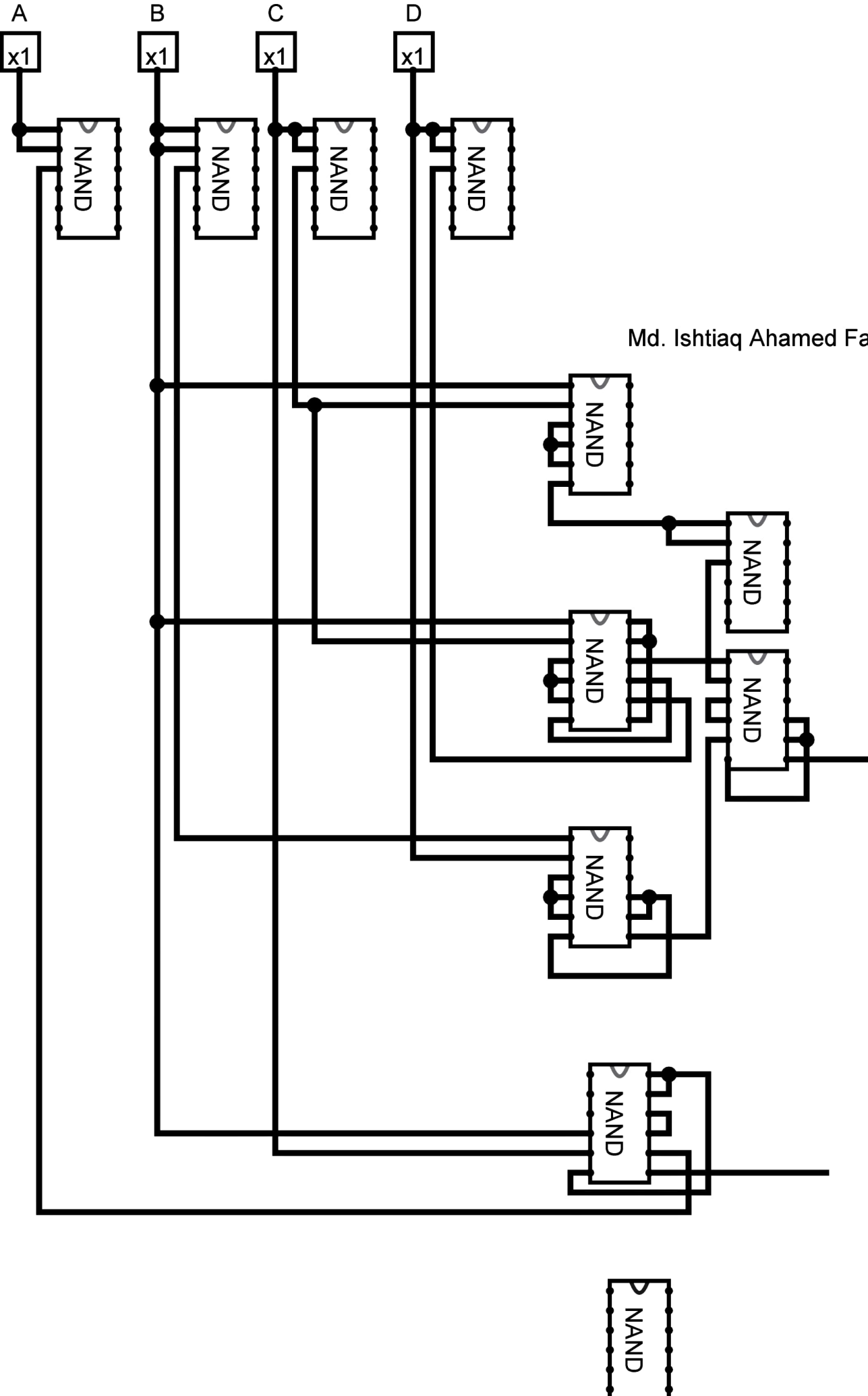
AB	CD			
	00	01	11	10
00	0	0	0	0
01	0	0	0	0
11	0	0	0	0
10	0	0	0	0

$$y = cD + \bar{c}D$$

उत्तर

AB	CD			
	00	01	11	10
00	0	0	0	0
01	0	0	0	0
11	0	0	0	0
10	0	0	0	0

उत्तर



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