

	A	B	C	Y
0	0	0	0	0
1	0	0	1	0
2	0	1	0	0
3	0	1	1	1
4	1	0	0	0
5	1	0	1	1
6	1	1	0	1
7	1	1	1	1

$$\bar{A}BC$$

$$A\bar{B}C$$

$$AB\bar{C}$$

$$ABC$$

$$Y = \bar{A}BC + A\bar{B}C + ABC$$

$$Y = (\bar{A} + B + C)(A + \bar{B} + C)(A + B + \bar{C})$$

$$Y_{\text{min. form}} = (A + B)(B + C)(A + C)$$

Max term 0 stage: Σ
 - 11 - 32020705. 11

2 uótlars

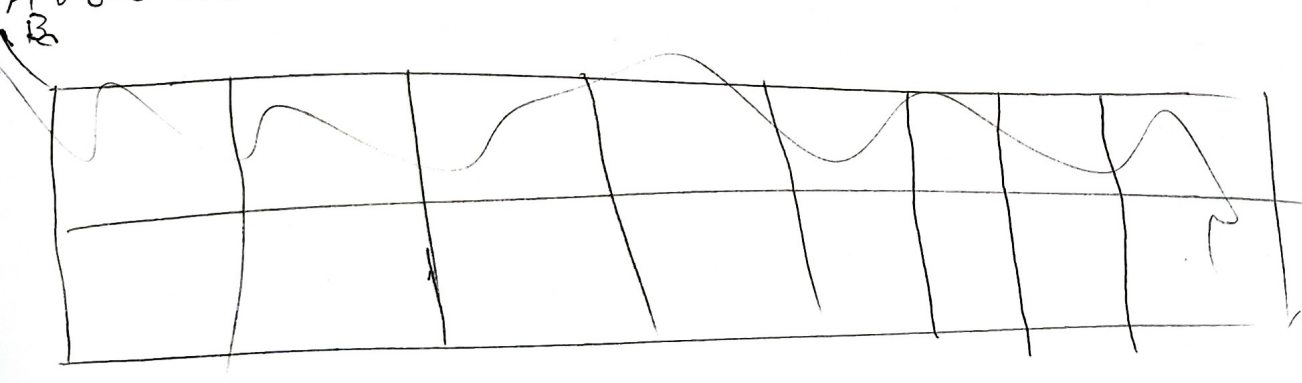
B	0	1
A	$\bar{A}\bar{B}$	$\bar{A}B$
1	$A\bar{B}$	AB

00	01
10	11

3 uótlars

B	00	01	11	10
A	000	001	011	010
1	100	101	111	110

4 uótlars



$\backslash B C$	00	01	11	10
00	0000	0001	0011	0010
01	0100	0101	0111	0110
11	1100	1101	1111	1110
10	1000	1001	1011	1010

$$Y = \bar{A}B\bar{C} + \bar{A}BC$$

$$Y = \sum C(2,3)$$

$\backslash B C$	00	01	11	10
0	0	0	1	1
1	0	0	0	0

$\backslash B C$	00	01	11	10
0	1	1	1	1
1	0	0	0	0

$$Y = \sum C(0,2,4,5)$$

$$Y = \sum C(0,2,4,5)$$

$$ABC$$

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

$\backslash B C$	11	10	00	01
0	1	1	1	1
1	0	0	0	0

$$ABC$$

$$110$$

$$100$$

$$000$$

$$1+1+0$$

$$0+0+0$$

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

$$1+0+0$$

$$0+0+0$$

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

$$Y = (0, 1, 0)$$

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