inputs			out puts	
Х.	+4	Bi	Þ.	Bo.
D	D	D	D	D
0	0	1	1	1
D	1	D	1	1
1	D	D	1	D
1	1	D	D	0
1	D	1	0	D
D	1	1	D	1
1	1	1	1	1/

X	/ <u>B</u> 	
		D. D.
		B.

$$D = \chi' y' c \overline{i} + \chi' y c \overline{i}' + \chi y' c \overline{i}' + \chi y c \overline{i}$$

$$= (\chi' y' + \chi y) c \overline{i} + (\chi' y + \chi y') c \overline{i}'$$

$$= (\chi \oplus y) c \overline{i} + (\chi \oplus y) c \overline{i}'$$

$$= (\chi \oplus y) \oplus c \overline{i}$$

$$B_{0} = \chi' y' c_{1} + \chi' y c_{1}' + \chi' y c_{1}' + \chi y c_{1}'$$

$$= (\chi' y' + \chi' y + \chi y) c_{1} + \chi' y c_{1}'$$

$$= (\chi \oplus y)' c_{1} + \chi' y (c_{1} + c_{1}')$$

$$= (\chi \oplus y)' c_{1} + \chi' y$$