

$a_1 a_2$		00	01	11	10
$b_1 b_2$					
C_3 00				1	1
01		1		1	
11			1		1
10		1	1		

$$C_{min}(C_3) = \left\{ \begin{array}{l} 110X \\ 1X00 \\ 011X \\ 0X10 \\ 0001 \\ 1011 \end{array} \right\}$$

$$S^a = 20, S^b = 26$$

$$C_3 = a_1 a_2 b_1 \vee a_1 b_1 \bar{b}_2 \vee \bar{a}_1 a_2 b_1 \vee \bar{a}_1 b_1 \bar{b}_2 \vee \bar{a}_1 \bar{a}_2 b_1 b_2 \vee a_1 \bar{a}_2 b_1 b_2$$

$a_1 a_2$		00	01	11	10
$b_1 b_2$					
C_4 00			1	1	
01		1			1
11		1			1
10			1	1	

$$C_{min}(C_4) = \left\{ \begin{array}{l} X1X0 \\ X0X1 \end{array} \right\}$$

$$S^a = \bar{a}_2 \bar{b}_2 \vee \bar{a}_2 b_2$$

$$S^a = 4, S^b = 6$$

$$C_4 = a_2 \bar{b}_2 \vee \bar{a}_2 b_2$$