

$a_1 a_2$		$a_3 a_4$			
$C_2$		00	01	11	10
	00		1	1	
	01		1	1	
	11	1			1
	10		1	1	

$$C_{min}(C_2) = \left\{ \begin{array}{l} x10x \\ x1x0 \\ 1x11 \end{array} \right\}$$

$$S^a = 7, S^b = 10$$

$$C_2 = \bar{x} a_2 \bar{a}_3 \vee a_2 \bar{a}_4 \vee a_1 a_3 a_4$$

$a_1 a_2$		$a_3 a_4$			
$C_3$		00	01	11	10
	00				
	01	1	1	1	1
	11				
	10	1	1	1	1

$$C_{min}(C_3) = \left\{ \begin{array}{l} xx01 \\ xx10 \end{array} \right\}$$

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

$$C_3 = \bar{a}_3 a_4 \vee a_3 \bar{a}_4$$

$a_1 a_2$		$a_3 a_4$			
$C_4$		00	01	11	10
	00	1	1	1	1
	01				
	11				
	10	1	1	1	1

$$C_{min}(C_4) = \{xx x0\}$$

$$S^a = 1, S^b = 2$$

$$C_4 = \bar{a}_4$$