

$$S0+ = S0 + S1.A + S1.A$$

A B S					
		00	01	11	10
00	00	1	1	0	0
	01	X	0	1	1
11	11	1	1	1	1
	10	1	1	1	1

$$S1+ = S1 + S0.A + S0.B$$

A B S					
		00	01	11	10
00	00	0	0	1	1
	01	X	1	1	1
11	11	1	1	1	1
	10	1	0	0	1