

S_a		$D_{3:2}$			
$D_{1:0}$		00	01	11	10
	00	1	0	0	1
	01	0	1	0	1
	11	1	1	0	0
	10	1	1	0	0

S_b		$D_{3:2}$			
$D_{1:0}$		00	01	11	10
	00	1	1	0	1
	01	1	0	0	1
	11	1	1	0	0
	10	1	0	0	0