

C

	$S_1 S_0$		S_0		S_1	
	00	01	11	10		
I	0					
	0	0	0	0		
	000	010	110	100		
I	1					
	0	0	1	0		
	001	011	111	101		

$$A = \underline{I \bar{S}_1 S_0}$$