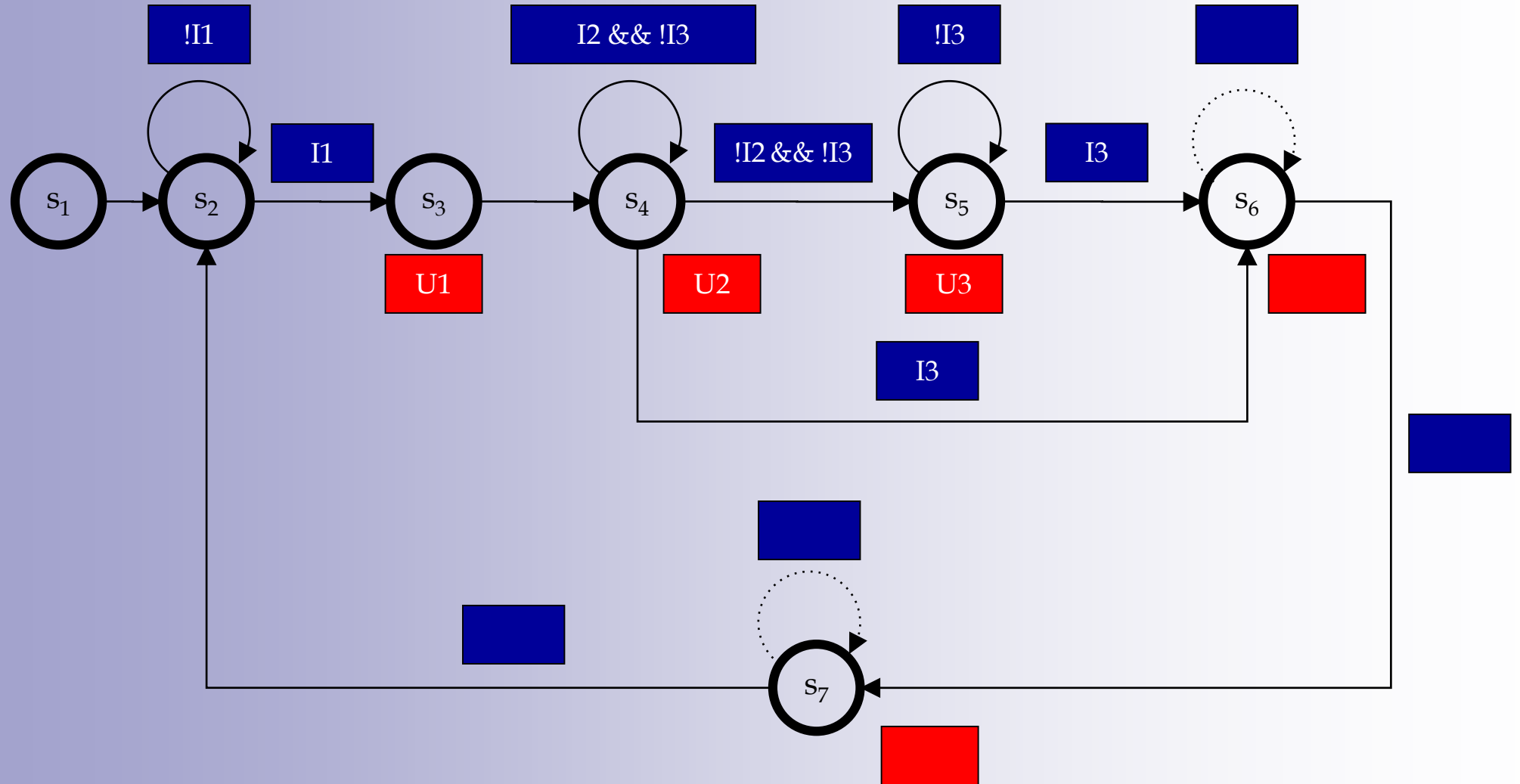


I1: Motion Detected  
 I2: Timer Running  
 I3: Authorized Access  
 U1: Start Timer  
 U2: Warning Buzz  
 U3: Alarm Buzz



I1: Motion Detected  
I2: Timer Running  
I3: Authorized Access

U1: Start Timer  
U2: Warning Buzz  
U3: Alarm Buzz

State (z)	I1	I2	I3	U1	U2	U3	Next State (z+1)
1	X	X	X	0	0	0	2
2	0	X	X	0	0	0	2
2	1	X	X	0	0	0	3
3	X	X	X	1	0	0	4
4	X	1	0	0	1	0	4
4	X	0	0	0	1	0	5
4	X	X	1	0	1	0	6
5	X	X	0	0	0	1	5
5	X	X	1	0	0	1	6
6	X	X	0				
6	X	X					
7	X						
7							

I1: Motion Detected  
I2: Timer Running  
I3: Authorized Access

U1: Start Timer  
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