

mem = $\textcircled{0}_2 = 0$

timer = $\textcircled{10}_2 = 2$

state = $\textcircled{0}\textcircled{10}_2 = 2$

		x		x
x	x	\bullet	hatched	x
			x	\bullet

000	001,S	001, \emptyset
001	010,S	010, \emptyset
010	011,S	011, \emptyset
011	000,S	000, \emptyset
100		
101		
110		
111		