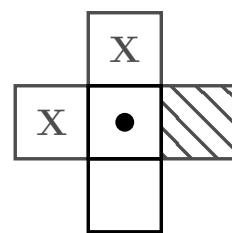


$$\text{mem} = \textcolor{red}{0}_2 = 0$$

$$\text{timer} = \textcolor{blue}{10}_2 = 2$$

$$\text{state} = \textcolor{red}{010}_2 = 2$$



input memory

	x	x
x	x	\bullet
\bullet	\bullet	diagonal hatching
000	001,S	001, \emptyset
001	010,S	010, \emptyset
010	011,S	011, \emptyset
011	000,S	000, \emptyset
100		
101		
110		
111		

