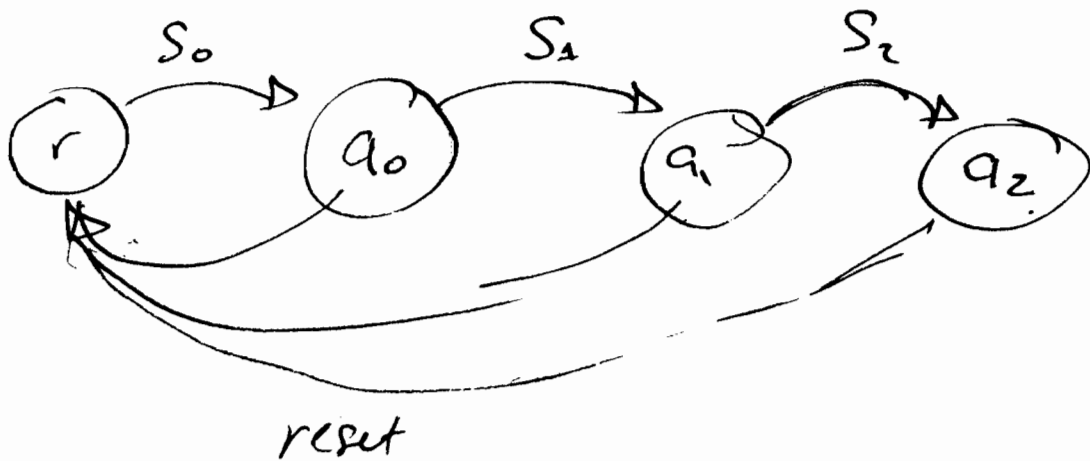


a)

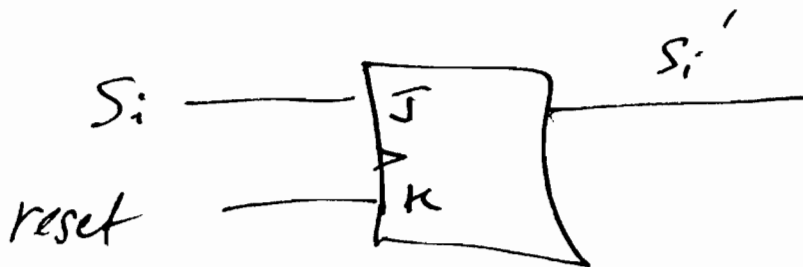


$$a_0: t_0 = 1, t_1 = 0, t_2 = 0$$

$$a_1: t_0 = 1, t_2 = 1, t_3 = 0$$

$$a_2: t_0 = 1, t_1 = 1, t_3 = 1$$

d) for each  $s_i$



and use  $s_i'$  instead of  $s_i$  above  
(just like lift controller example)