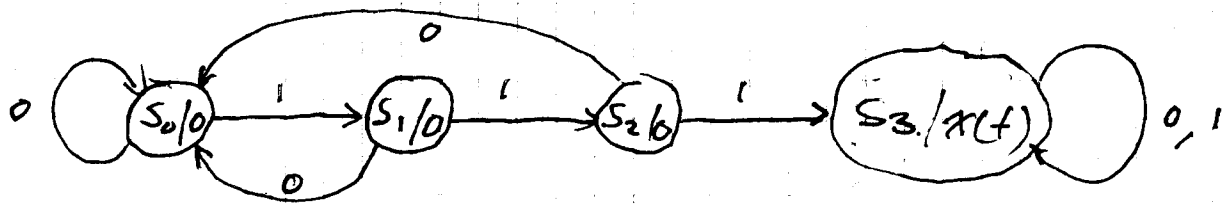


EXTRA EXAMPLE:

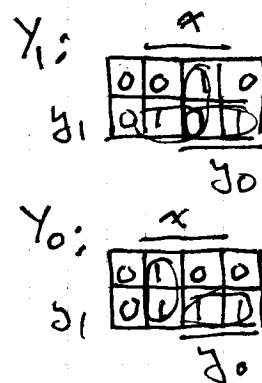
$$z(t) = \begin{cases} 0 & \text{UNTIL THE FIRST INSTANCE OF} \\ & \text{3 CONSECUTIVE 1s HAS BEEN} \\ & \text{RECEIVED} \\ x(t) & \text{AFTERWARDS} \end{cases}$$

x 0 0 1 1 0 1 1 1 0 1 1 0 0 1 ...
 z 0 0 0 0 0 0 0 0 0 0 1 1 0 0 1 ...



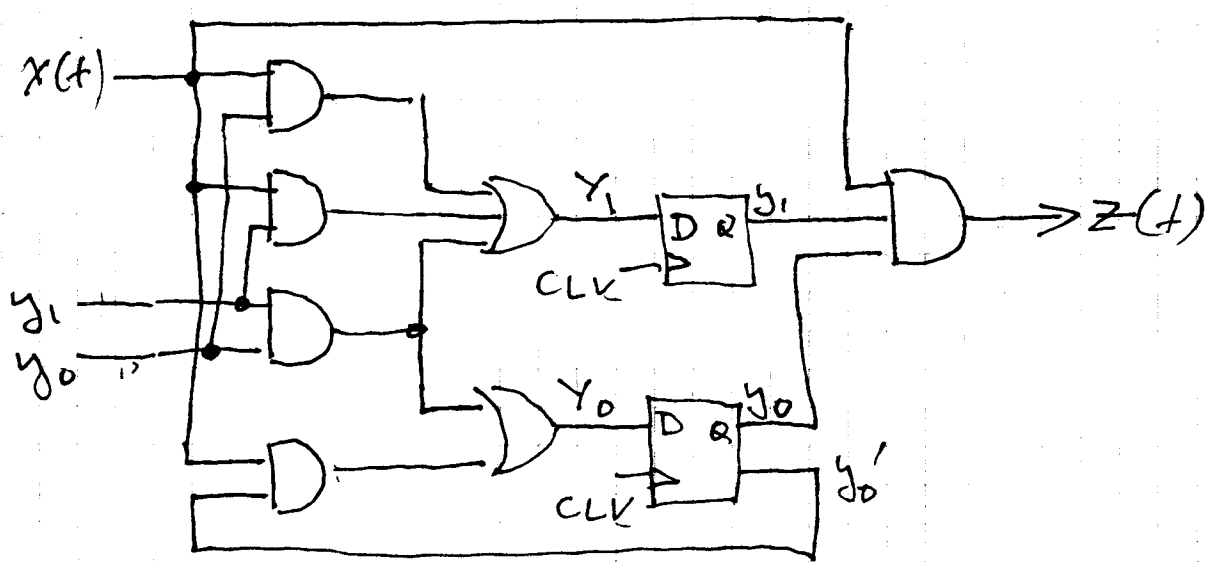
PS	y_1, y_0	$x(t)$		z
		0	1	
S_0	00	00	01	0
S_1	01	00	10	0
S_2	10	00	11	0
S_3	11	11	11	$x(t)$

$Y_1 \ Y_0$
 NS

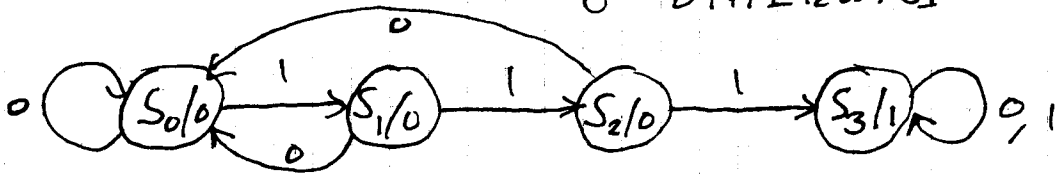
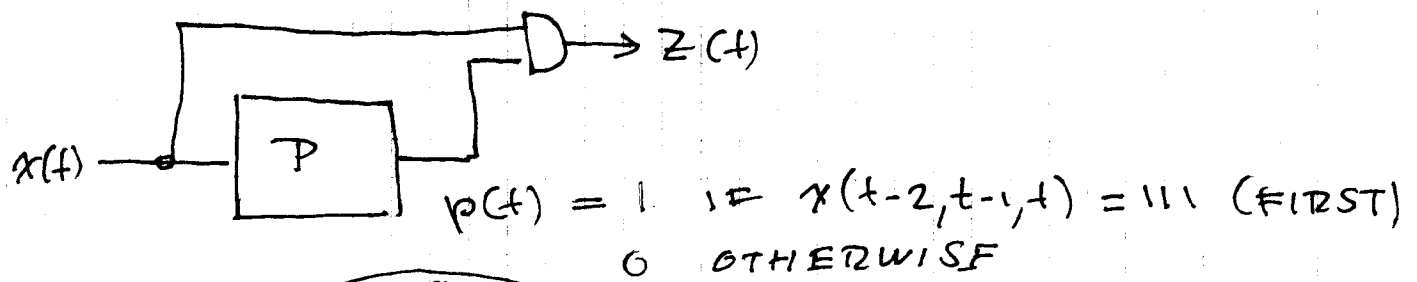


$$Y_1 = y_1 x + y_0 x + y_0 0$$

$$Y_0 = y_0' x + y_1 y_0$$



ALTERNATIVE DESIGN



USE FINITE-MEMORY DESIGN

