

5-19.



Present state $D_2D_1D_0$	Next State For input		Output $Z$
	$E=0$	$E=1$	
000	001	001	0
001	010	010	0
010	011	011	0
011	100	100	0
100	101	101	0
101	110	110	0
110	111	111	0
111	111	000	1

The state assignment could be different. E. g., state 7 could be 000 with state 0 001. This would permit use of R inputs on the D flip-flops for RESET.

