

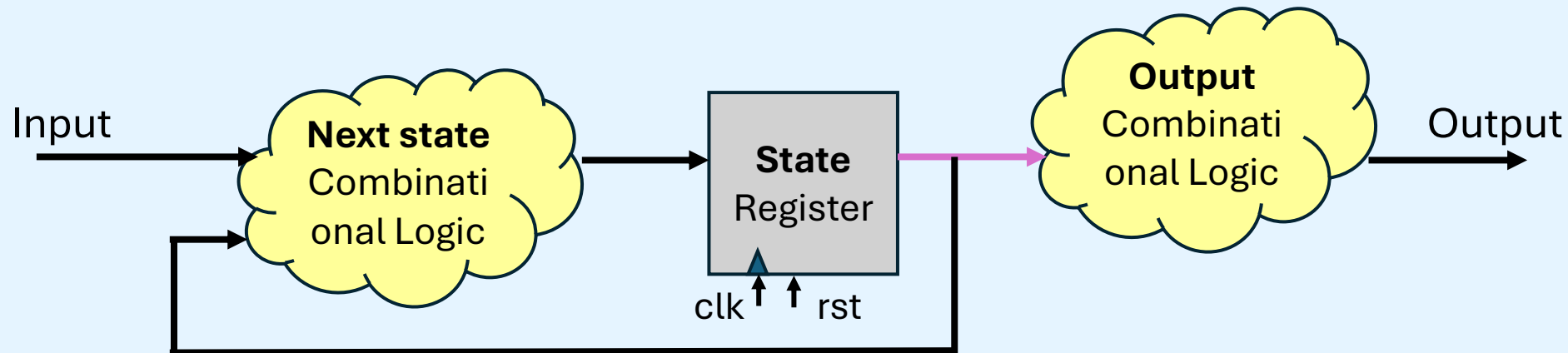
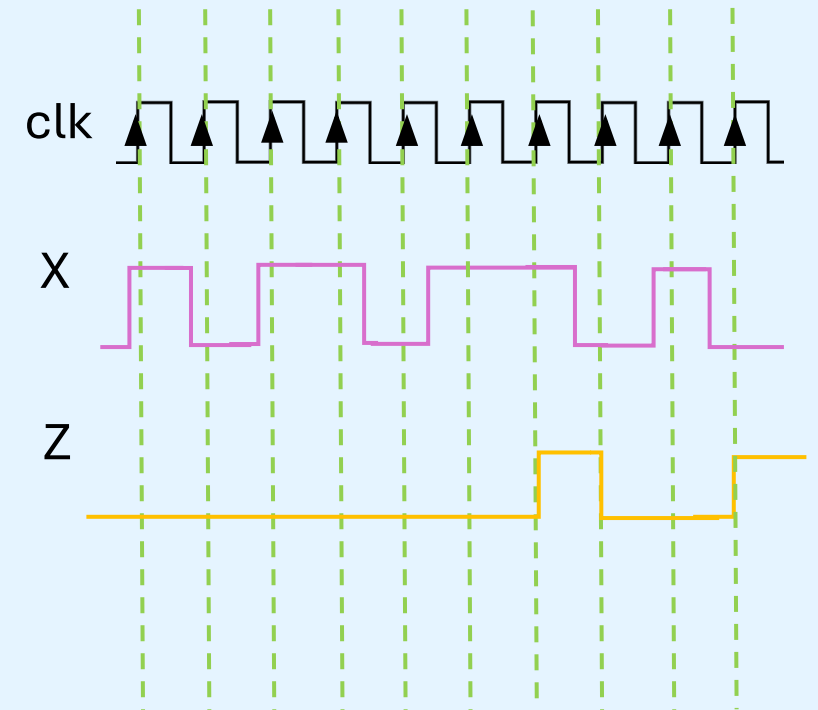
1101 sequence detector

Using Moore Machine

X = 1 0 1 1 0 1 1 0 1 0

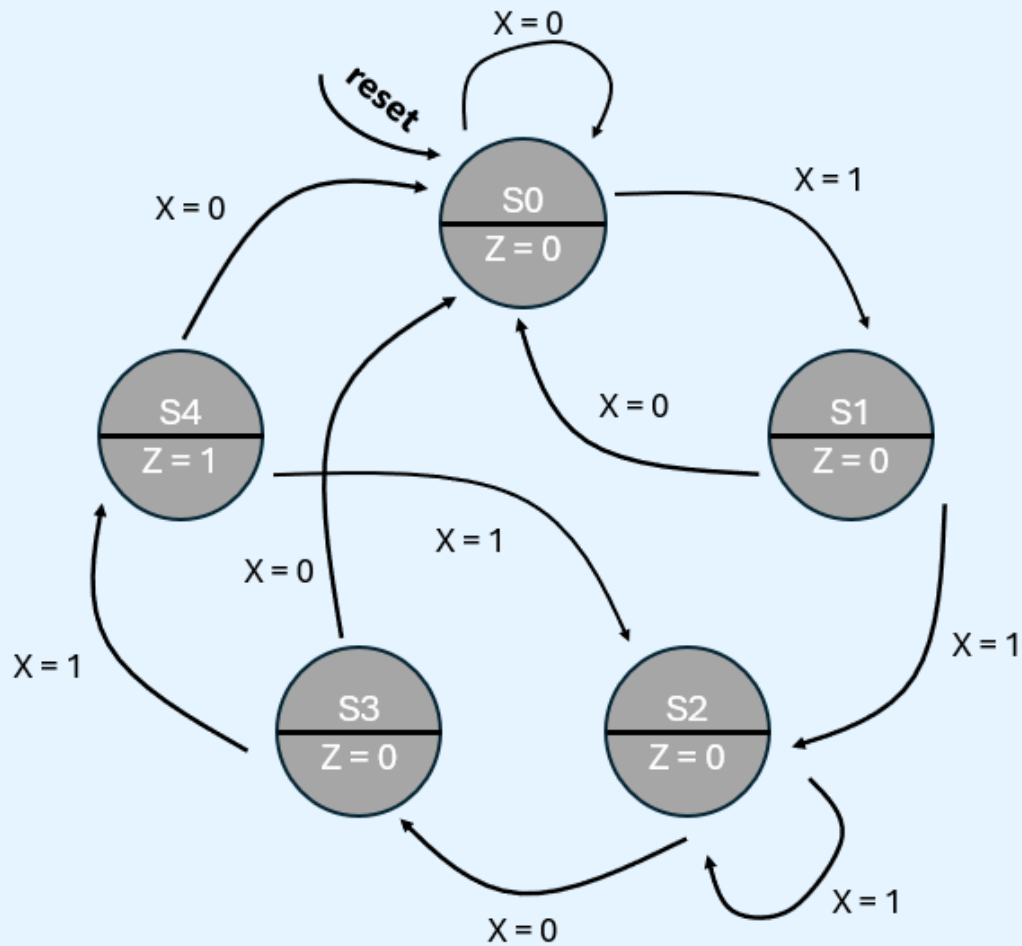
Z = 0 0 0 0 0 0 1 0 0 1

Result: 1 0 1 1 0 0 1 0 1 1



Moore Machine

1101 sequence detector diagram



State		Next State	
PS	Z	X = 0	X = 1
S0	0	S0	S1
S1	0	S0	S2
S2	0	S3	S2
S3	0	S0	S4
S4	1	S0	S2