

































The state of a system is a snapshot of all the relevant elements of the system at the moment the snapshot is taken.

•Examples:

- The state of a tic-tac-toe (Noughts & Crosses) game can be represented by the placement of X's and O's on the board.
- The state of a cricket game can be represented by the scoreboard

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• Number of runs & wickets, overs remaining, etc.

State of a Turnstile				
The turn • locke The turn • putting • pushir	<b>d</b> an nstil g in	d <b>unle</b> e has 2 a coin	ocked 2 inputs (coin)	
Current State	Input	Next State	Output	-
	Input coin	Next State Unlocked	Output Release turnstile so customer can push through	-
Current State				
Locked	coin	Unlocked	Release turnstile so customer can push through	4
	coin push	Unlocked Locked	Release turnstile so customer can push through None	





