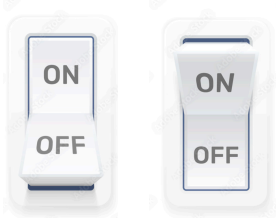




Take 2

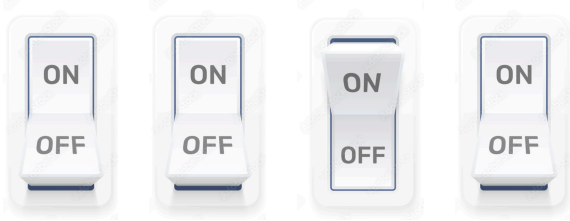
State

Describe this app interface:



- How many states can a switch have?
- How many states can this interface with two switches have?

Describe this app interface:



- How many states can this interface with four switches have?

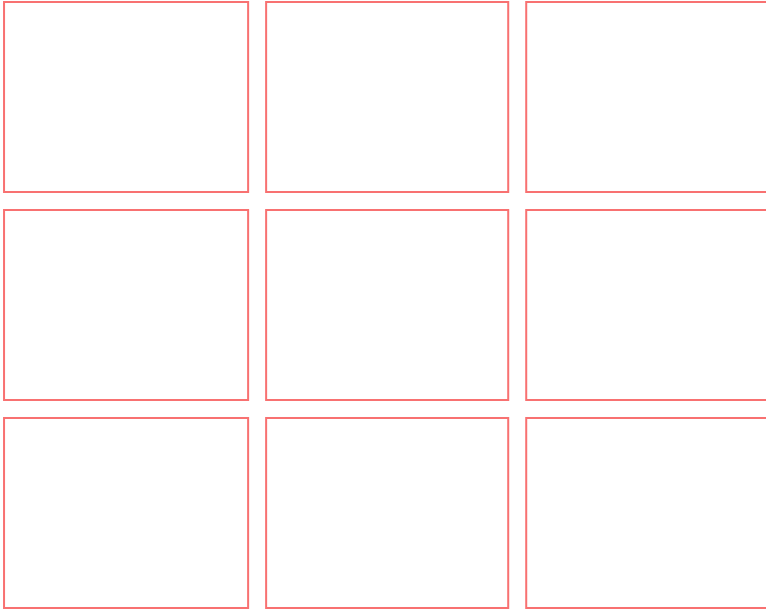
How many states can this app have?

X	O	O
X	O	
X		X

- 3 states per cell
- $3^9 = 19,683$ combinations



- How many combinations win?



- Example: when does X win?
- row full: 3 combinations for X (1st row, 2nd row, 3rd row)
- column full: 3 combinations for X (1st col, 2nd col, 3rd col)
- diagonal full: 2 combinations for X (left-to-right, right-to-left)