State Transition Table

current		previous		action	(cur - pre +4)%4
↑	0	↑	0	#	0
		←	1	R	3
		↓	2	×	2
		→	3	L	1
←	1	↑	0	L	1
		←	1	#	0
		↓	2	R	3
		→	3	×	2
↓	2	↑	0	×	2
		←	1	L	1
		↓	2	#	0
		→	3	R	3
→	3	↑	0	R	3
		←	1	×	2
		↓	2	L	1
		→	3	#	0