Inputs

Ball Position

In

EMPTY	0
RIGHT	1
WRONG	2
UNKNOWN	3

H1

EMPTY	0
RIGHT	1
WRONG	2
UNKNOWN	3

H2

EMPTY	0
RIGHT	1
WRONG	2
UNKNOWN	3

Sh

EMPTY	0
RIGHT	1
WRONG	2
UNKNOWN	3

ShBtn

UNPRESSED	0
PRESSED	1

Outputs

Intake

OFF	0
INWARD	1
OUTWARD	2

Magazine

OFF	0
FORWARD	1

Rear Ball Gate

OPEN	0
CLOSED	1

Front Ball Gate

OPEN	0
CLOSED	1

Shooter

OFF	0
SPIT	1
SHOOT	2

Output States					
Label	Shooter	Front Gate	Rear Gate	Magazine	Intake
READ COLOR	0	0	0	0	0
INTAKE B1	0	0	0	0	1
ADVANCE B1	0	1	0	1	1
STORE B2	0	1	1	0	0
STORE B1	0	1	1	0	1
REJECT B1	1	0	0	1	*
SHOOT	2	0	0	1	0
ADVANCE B2	*	*	1	1	0
REJECT B2	*	*	*	0	2
ADVANCE	*	*	*	1	0