

\ Written 6/12/13 by Mike McDannald  
\ Program to test all inputs and outputs

\ #R1 - Nosepoke (center)  
\ #R2 - Nosepoke (center) Make sure these are inserted in chamber  
\ #R3 - Nosepoke (center) Make sure these are inserted in chamber

\ define outputs:

^shock = 1  
^feeder = 2  
^leftcue = 3  
^rightcue = 4  
^backhouse = 5  
^boxfan = 6  
^laser = 7  
^arduino1 = 9  
^arduino2 = 10  
^arduino3 = 11  
^arduino4 = 12

\ define inputs

^nosepoke1 = 1  
^nosepoke2 = 2  
^nosepoke3 = 3

S.S.1, \ Main control logic for behTest

s1,  
#start: on ^boxfan; ---> s2

s2,  
#R ^nosepoke1: ---> s3

s3,  
0.5": on ^feeder ---> s4

s4,  
0.5": off ^feeder ---> s5

s5,  
0.5": on ^arduino1 ---> s6

s6,  
0.5": off ^arduino1 ---> s7

s7,  
11": on ^arduino3 ---> s8

s8,  
0.5": off ^arduino3 ---> s9

s9,

11": on ^arduino4 ---> s10

s10,

0.5": off ^arduino4 ---> s11

s11,

11": on ^rightcue; on ^leftcue; on ^backhouse ---> s12

s12,

2": off ^rightcue; off ^leftcue; off ^backhouse ---> s13

s13,

0.5": on ^shock ---> s14

s14,

0.5": off ^shock ---> s15

s15,

0.1" ---> STOPKILL