



```

function whisker
repeat forever
do
repeat while [check PIN RWpin = high and check PIN LWpin = high]
do
add comment (stay here until whisker hit)
add comment (pins high when NOT hit, low when hit)

add comment (whisker hit, determine which one hit)
RLval = [check PIN RWpin << (bitwise left shift) 1]
RLval = [RLval | (bitwise OR) [check PIN LWpin]]

add comment 0b01 = 1 = hit right, 0b10 = 2 = hit left
bumpflag = 1
add comment flag disables remote control in main
add comment now stop, backup, and stop
Robot drive speed left 0 right 0
Robot drive speed left -60 right -60
pause (ms) 500
Robot drive speed left 0 right 0
add comment which way to turn and turn for 1 sec = 90 deg
if [RLval = 1]
do
add comment hit right, turn left
Robot drive speed left -26 right 26
else if [RLval = 2]
do
add comment hit left, turn right
Robot drive speed left 26 right -26

add comment turn 1 sec and stop
pause (ms) 1000
Robot drive speed left 0 right 0
Lspd = 0
Rspd = 0
add comment send control back to remote
bumpflag = 0

```