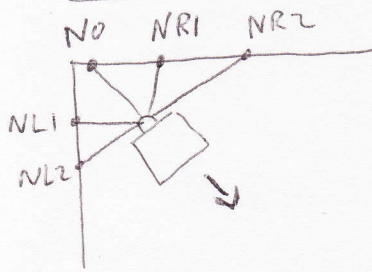


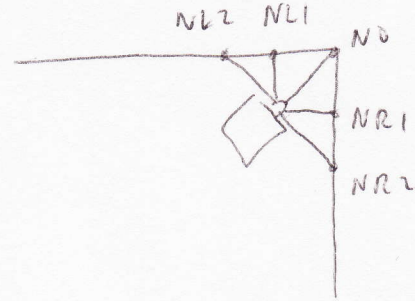
# Navigation

## Case 1 (boxed in a corner)

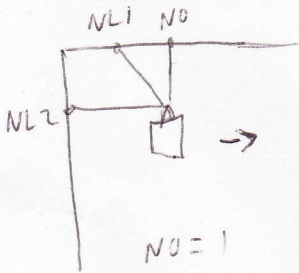


$NO = 1$   
 $NR1 \text{ or } NR2 = 1$   
 $NL1 \text{ or } NL2 = 1$

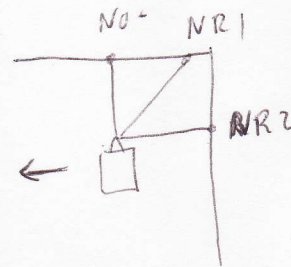
turn  $180^\circ$   
on the spot



## Case 2 (at a corner)

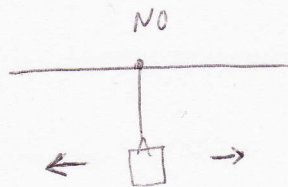


$NO = 1$   
 $NL1 = 1$   
 $NL2 = 1$   
turn right



$NO = 1$   
 $NR1 = 1$   
 $NR2 = 1$   
turn left

## Case 3 (at a straight wall)



$NO = 1$   
 turn left or right (choose at random)

## Case 4 (run of the above)

Choose randomly between all of the above and also  
 between a  $45^\circ$  right or left