Robotics Badges: *Programming Robots 1*

**Robot Maze 2 Solution**

One possible solution for writing a LEFT HAND ON WALL program in PSEUDOCODE:

BEGIN Loop

  WHILE not at exit (*keep running this loop until you reach the exit*)
  
  GO forward

  IF path on left is open
  
  THEN turn left

  REPEAT Loop (*test to make sure you are not at the exit, go forward and test openings*)

  ELSE (if there is no left opening)
  
  IF path ahead is open
  
  THEN GO forward

  REPEAT Loop (*test for exit, go forward and test for openings*)

  ELSE (if there is no left opening or path ahead)
  
  IF path on right is open
  
  THEN turn right

  REPEAT Loop (*test for exit, go forward and test for openings*)

  ELSE (if you are at a dead end)
  
  Turn around

  REPEAT Loop (*test for exit, go forward and test for openings*)

END Loop (you are at the exit!)