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!)