Mobile Robot (4 points)

Your robot will be placed in two multi-line worlds. The first of these worlds (example shown to the left below) will consist of a sequence of seven equally spaced and equally sized lines. The second course (below, right) will be made of seven randomly spaced lines of various widths. Here’s a video of a robot completing the world on the right: http://www.youtube.com/watch?v=L9HC_wZtu-E

In each world show above, the robot should stop on each line and make a sound using the sound block (with the sound of your choice) to indicate that the robot knows it has found the line. The robot should then continue on to the next line. There will be seven lines in each world. Your program should stop running after crossing over the last line. This means that the robot should cross over the final line, onto the white space on the other side, and then stop.

It is possible (and acceptable!) to answer both parts of this question by running the exact same program in each world. Keep in mind that you control the threshold on the wait block.