

PIPELINE EXPLORER

Pipeline Explorer Advanced Challenge

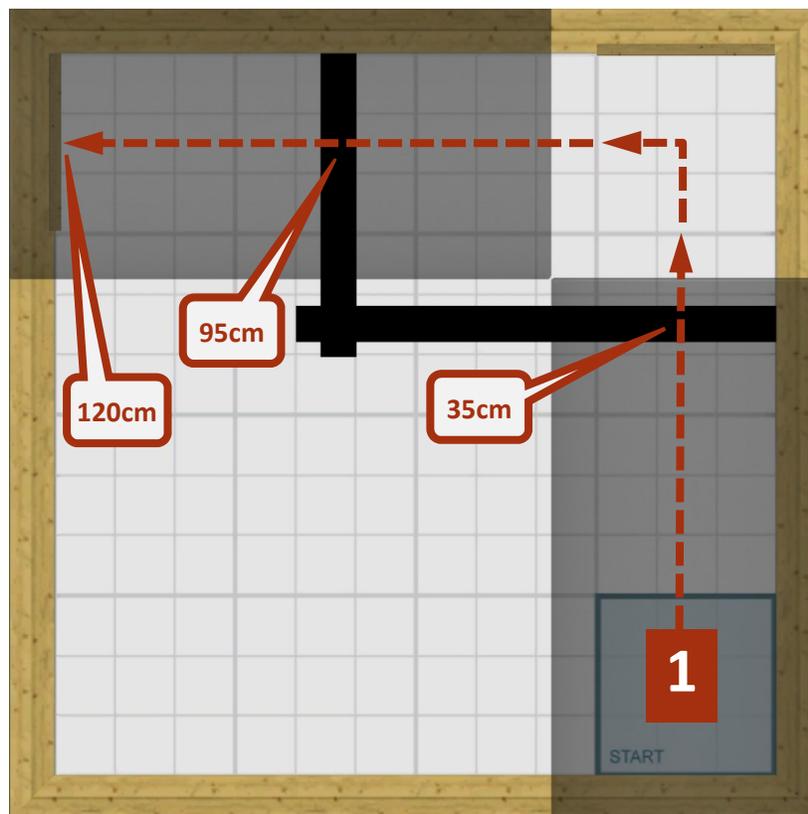
Challenge Description

The robot must travel through the pipeline and detect cracks in the pipe, which for the challenge are represented by black lines. With the advanced challenge, the robot must additionally make a 90 degree turn in order to travel through the pipeline. The robot must report, on the LCD screen after the robot has completed its run, the distance at which the black lines are located. The robot must also report the total distance of the pipeline.

Materials Needed

- Black electrical tape
- Ruler (or straight edge)
- Scissors (or cutting tool)
- A box, cut out with an entrance and exit large enough so that the robot can pass through
- A book or another tall object to serve as a wall at the end of the pipeline

Board Specifications



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Robot must begin here