

# Repeating Behaviors: Sentry Challenge

## Repeating Behaviors Challenge

Your company has been commissioned to design a robot to patrol outside a building. You are tasked to develop a “proof of concept” prototype that can travel a designated “loop” route.

### Rules and Procedure

1. Build the board below, including the central building and surrounding fence.
  - You don't need a solid object for the building, just the cornerposts are sufficient.
  - The building should be rectangular in shape.
  - Posts are 1" diameter PVC tubing or cardboard paper towel tubes.
2. Your robot must complete two full laps around the building.
3. Your robot must not come into contact with any of the posts marking the building or fence.
4. Your program must incorporate at least one Loop Block.
5. Complete two laps using a loop to beat the challenge!

