

Exercises

1. Make the finch move along a path with n sides each of length d where the user can enter both n and d .

Hint: for a square with 4 sides, each turn needs to be $90^\circ = 360^\circ / 4$, and a triangle with three sides, the finch will need to turn $120^\circ = 360^\circ / 3$.

2. Make the finch patrol back and forth in a straight line between two points, stopping, changing the color of the nose light and emit a noise if it detects something blocking it.
3. Have the finch follow a path, but only in the dark. The finch should wait for darkness before it tries to move.