



The Ultimate Training Tool for Nationally Popular Robotics Competitions and Systems. ©2009 and Patent Pending Marco Ciavolino, TechBrick Robotics & Enktesis, LLC, sales@robotmats.com. Unauthorized duplication or production prohibited 1603 Belvue Drive / Forest Hill, MD 21050-2508 / 410-838-8264

Mat Type: General Practice / GPM005
Date Created: 7/22/09
Author(s): Marco Ciavolino
Mission Title: Basic Line Counting to Target

Suggested Prerequisites: GPM001, GPM004

Sensors: Light Sensor/Color Sensor

Mission Goals

Add a field level light sensor to your basic robot. Place the robot on the horizontal bar in quadrant 1E and drive across the equally spaced black lines found in quadrants 3D-14F. Setup the robot to run out to a pre-determined number of bars and return. As a variation, for example, have it run out 7, back 3, out 4, back 2, etc. and always return to the wall. Or, make it programmable so you can choose the number of blocks to run out without reloading the program.

Mission Participants

Date Completed ___/___/___

Record Your Steps Below

STEP	Task	Notes
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STEP	Task	Notes
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