INTRODUCTION

In this problem set you will practice designing a simulation and implementing a program that uses classes.

As with previous problem sets, please don't be discouraged by the apparent length of this assignment. There is quite a bit to read and understand, but most of the problems do not involve writing much code.

GETTING STARTED

Download and save

ProblemSet7.zip (/static/content-mit-600x~2012_Fall/files/templates/ProblemSet7.decc0e259670.zip): A zip file of all the files you need, including:

- `ps7.py`, a skeleton of the solution.
- `run_pkgtest.py`, a test to make sure your system is set up correctly (explained in the next section).
- `ps7_pkgtest.pyc`, precompiled Python code called by `run_pkgtest.py`.
- `ps7_visualize.py`, code to help you visualize the robot's movement (an optional - but cool! - part of this problem set).
- `ps7_verify_movement27.pyc` and `ps7_verify_movement26.pyc`, precompiled modules (for Python 2.7 and 2.6, respectively) that assist with the visualization code.

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