SuperBot

It's often helpful to build up your own library of useful classes. Start by making a SuperBot. A SuperBot should be able to do everything that a Robot can do (and, by extension, that an UrRobot can do), plus a few more things. Turning right is one thing that springs to mind.

Write a SuperBot class that includes the following methods:

- putAllBeepers()
  The robot empties out his beeper bag, putting all beepers on the corner it is on.
- pickAllBeepers()
  The robot picks up all the beepers that are on the corner it is on.
- moveToWall()
  The robot moves forward until there is a wall in the way. You may assume that there will always be a wall. (What would happen if there weren't a wall in the robot's path?)
- moveToOrigin()
  The robot moves to (1,1) and faces north.
- faceNorth()
  At the end, the robot is facing north.
- faceSouth()
  At the end, the robot is facing south.
- faceEast()
  At the end, the robot is facing east.
- faceWest()
  At the end, the robot is facing west.

Notes:
- All of these can be—and should be—recursive methods (the last four are not obvious; think about it).
- The SuperBot class should not have a main method
- Write a separate class that has a main method and use it to test all of the SuperBot methods.