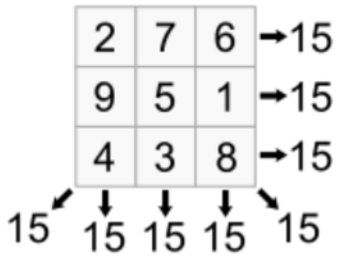
6.092 Introduction to Software Engineering in Java
January (IAP) 2009

6.092: Assignment 8: Magic Squares!

A magic square of order n is an arrangement of n*n numbers, usually distinct integers, in a square, such that the n numbers in all rows, all columns, and both diagonals sum to the same constant (see Wikipedia entry).



Checking the row values

We give your two text files: Mercury.txt and Luna.txt

For each file, we ask you to open the file, and to check that all rows indeed sum to the same constant.

Hints

Copy both text files to the root directory of your project.

Read the files line by line as explained during the lecture today.

Use `... = myLine.split("\t");` to transform each line into an array of String, each containing one value (take a look at the Java API).

Finally, use `... = Integer.valueOf(substring);` to transform each string value into an integer value.

Optional Part: Column / Diagonal Values

Optionally, try to check that the columns and the diagonal also sum to the same constant. This might be slightly trickier!

Submission Instructions

Submit your `MagicSquares.java` file via Stellar.