

Saddle Points in Scala

[Readme \(readme\)](#)[Test Suite \(../saddle-points\)](#)

Saddle Points

Write a program that detects saddle points in a matrix.

So say you have a matrix like so:

```
1      0  1  2
2  |-----
3 0 | 9  8  7
4 1 | 5  3  2    <--- saddle point at (1,0)
5 2 | 6  6  7
```

It has a saddle point at (1, 0).

It's called a "saddle point" because it is greater than or equal to every element in its row and the less than or equal to every element in its column.

A matrix may have zero or more saddle points.

Your code should be able to provide the (possibly empty) list of all the saddle points for any given matrix.

Note that you may find other definitions of matrix saddle points online, but the tests for this exercise follow the above unambiguous definition.

The Scala exercises assume an SBT project scheme. The exercise solution source should be placed within the exercise directory/src/main/scala. The exercise unit tests can be found within the exercise directory/src/test/scala.

To run the tests simply run the command `sbt test` in the exercise directory.

For more detailed info about the Scala track see the help page (<http://help.exercism.io/getting-started-with-scala.html>).

Source

J Dalbey's Programming Practice problems [view source](http://users.csc.calpoly.edu/%7Ejdalbey/103/Projects/ProgrammingPractice.html) (<http://users.csc.calpoly.edu/%7Ejdalbey/103/Projects/ProgrammingPractice.html>)



(/)

Beta

About (/about) - Donate (/donate)

 GitHub (<https://github.com/exercism/exercism.io>)  Twitter (https://twitter.com/exercism_io)

 Newsletter (<https://tinyletter.com/exercism>)

SPONSORS



(<https://bugsnag.com/blog/bugsnag-loves-open-source>)



(<http://www.rackspace.com/>)



(<http://www.shopify.com/>)

© 2015 Katrina Owen