Elements of a list can themselves be lists. In such a case we may speak of a “2 dimensional “list. Consider a 2 dimensional “square list”, i.e. the list has n elements, where each one is itself a list of n elements. For example if n=5, we would have a 5X5 “table” of 5 rows and 5 columns.

Imagine filling the table with random integers.

Now, here is a definition: A **saddle point** in a 2 dimensional table is an entry in the table whose value is the maximum in its row and minimum in its column.

**Write a program** that takes a 2 dimensional table and finds a saddle point (if it exists). Output the coordinates of the saddle point, and its value.

**Questions to consider:**

Must any such table have a saddle point?

Could it have more than one?