

Closeness

*Relations**Exploration*

Goal

The purpose of this exploration is for you to explore and enhance an implementation of a representation of relations to discover their basic properties.

Requirements

Write a C++ program that takes inputs which are files containing connection (zero-one) matrices of binary relations of a set with itself. Determine which properties each relation has.

Use the supplied sample code as a guide and a starting point. The file `closenessCLI.cpp` is a C++ program with a Command-Line Interface that you will supplement with your fleshed-out `closeness.cpp` file.

If conditions are right, you can build and test your code in the Linux Lab via the command:

```
make it just so
```

Grading Criteria

See the self-assessment!