CS5120: Programming HW 1

Deadline: 05/03/2023

Minimum Cut:

The input is a text file in the following format: the first line has the number of vertices, the second line the number of edges, and subsequent lines are of the form i j (separated by a space), indicating that {i,j} is an edge.

The output is a cut output by Karger's algorithm, as well as its size. For the attached example, if a minimum cut is found, then a possible output is: Cut: $\{1, 3\}, \{2, 4, 5, 6, 6, 7, 8, 9\}$. Cut size: 2.