Program

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1 About the program

This program reads a certain description of an undirected graph and determines the number of connected components of it.

1.1 About the description of the graph

The graph shall be read from a file. The file describes the graph by way of specifying the number of nodes, the number of edges and a description of what nodes each edge connects.

1.1.1 Syntax

The input file consists only of a series of arbitrarily space- separated integer constants written in plain ASCII, and consequently, also readable as an UTF-8 plain text file.

The first two integers shall be the number of nodes (n), and the number of edges (m), respectively.

Given this, the set of nodes is assumed to be $1, 2, \dots n$, and each node will be referred simply by its number.

Then comes "m" pairs of integers "u" and "v" each giving the existence of a bidirectional edge between nodes "u" and "v".

2 The program

As this program will be considerably small, it will consist of a single source file in which we will put all of our code.

```
source/app.d The one and only source
source/app.d
void main()
{
```