Algorithms and Data Structures

Module 1

Assignment 2

Bipatiteness check.

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Assignment 2. Bipatiteness check

Design a program that checks whether the given graph is bipartite.

Input file format is the same as for the assignment 1.

Output file must contain only one line: either ‘Is bipartite’ or ‘Is not bipartite’.

The complete implementation of this assignment gives you 12 pts.

Assignment 2. Bipatiteness check

Examples

Input	Output
a b c d e a d b e c d c e	Is bipartite

Assignment 2. Bipatiteness check

Examples

Input	Output
a b c d e a b a c b c b d b e c d	Is not bipartite