Algorithms and Data Structures

Module 1

Assignment 3

Topological sort.

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Assignment 3. **Topological sort**

Design a program that builds topological sort for the given digraph. If the graph is not a DAG, return ‘Not a DAG’.

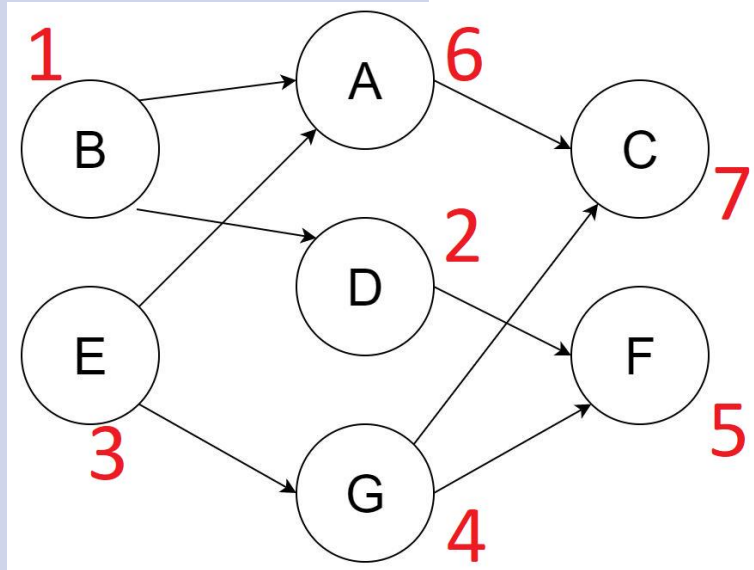
Input file format is the same as for the assignment 1.

Output file must contain the list of vertices in the topological order. If the input file is not a DAG, the output file must contain only one line ‘Not a DAG’.

The complete implementation of this assignment gives you 12 pts.

Assignment 3. **Topological sort**

Input	Output
a b c d e f g b a b d e a e g a c d f g c g f	b d e g f a c



Assignment 3. **Topological sort**

Input	Output
0 1 2 3 4 0 4 0 1 1 3 2 4 3 2 4 1	Not a DAG

