Java → Implementation of basic algorithms → Topological sort

Topological sort → Variables and constraints

📊 Hard   🕐 2 minutes   ❓

Code Challenge — Write a program

You are given several variables. There are a few constraints for those variables. Determine if the constraints conflict with each other. In case they don't, print the number of variables that can take the smallest values.

Input: the first line contains two number *n* and *m* – the number of variables and the number of constraints. Next *n* lines have names of variables in Latin. The length of a variable name is less than 11. The next *m* lines describe constraints: {name1}<{name2} or {name1}>{name2}.

Output: NO, if constraints contradict each other. Otherwise print the number of variables that can take the smallest values.

Sample Input 1:

```
5 4
a
x
var
b
count
a<x
var>x
b<x
count>b
```

Sample Output 1:

```
2
```

Code Editor   **IDE**

Java

```
1
2
3
4
5
```

Run   ☀ Code snippets from theory   Postpone problem

Time limit: 8 seconds   Memory limit: 256 MB

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☀ Code snippets from theory