

Problem SPYWAR: Spy War

The cold war is over, but a new threat for the world has emerged. A huge terrorist organization called Al-Quaida tries to fight against almost every nation in the world. Luckily the freedom forces do not sleep. In the last few years they have developed a rather good knowledge about the organization of Al-Quaida. Not every terrorist knows all others but only a few. Your task is to help the freedom forces to weaken Al-Quaida severely by elimination certain members. Good "targets" are terrorists whose elimination will cut the huge network apart.

Input

You will get a description of the the Al-Quaida organization. The first line contains the number of its member, n . Their names will follow in the next n lines. The remaining lines until the end of the input will contain pairs of names separated by a single white space, meaning that person A knows person B (and the otherway round of course). The size of Al-Quaida is not known exactly but you can assume that is has not more than 100,000 members.

Output

Your programm should output the names of all members that are potential targets for elimination in the form `XXX is a good target`. If there is more than one target they should be output in lexicographical order. If there are no good targets at all your programm should write `More than one terrorist must be eliminated`.

Sample Input 1

```
5
Albert
Bert
Celine
Donald
Emil
Albert Bert
Bert Celine
Bert Donald
Emil Albert
```

Sample Output 1

```
Albert is a good target.
Bert is a good target.
```