# Problem 10 – Tennis

You are given a set of players who wish to play tennis against one another. Two players can only play together if they like each other. Each player can play with at most one other player. Find the distribution of players which maximizes the number of games.

## Input

* The input is read from the console.
* On the first line there is the word **People:** followed by all player names. The names are given in the format: **Player1, Player2, Player3...**
* On the second line there is the word **Connections:** followed by all player connections. A connection between two people means that they can play against one another. The connections are given in the format: **Player1 - Player2, Player2 - Player3...**

## Output

* Print the number of couples in the maximal distribution.

## Constraints

* The player names contain only Latin letters (case-sensitive) and digits.
* The number of **people** is in range [1; 500].
* The number of **connections** is in the range [1; 10000].
* Time limit: **100 ms**. Allowed memory: **16 MB**.

## Sample Input and Output TODO

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| **Input** | **Output** | **Explanation** |
| People: Pesho, Maria, Ivan, Gosho  Connections: Pesho - Gosho, Maria - Ivan, Ivan - Gosho, Pesho - Maria, Maria - Gosho | 2 | There are two possible maximal distributions. Each of them contains two players. |