

# Dating in the 12th Dimension



The job market is rough nowadays, but you've finally landed your first gig! You're now working for Glinder, the first ever dating app for members of the universe in 12th dimensional space. Unfortunately, Glinder has become so popular and so widely used that new competitors are starting to crop up all over the place, such as GluokCupid and Glee-Harmony, so your job has become to write fake chatbots to flood these websites and make their users eventually switch over to Glinder.

However, in the 12th dimension, communication is a little funky. It might be perfectly natural for people living there, but for you and me, it looks like total gibberish! Fortunately, I'm fluent in 12th dimensional speak, so I'll give you a couple pointers so that you can do your job.

First of all, 12th dimensional speak only uses lowercase alphabet characters. As a result all words and sentences are mashed together (they don't use punctuation or whitespace, even) into one big string.

Example text:

```
askdfjhsikfhlhsakdjfhlkxcvjhsdfhysdafuhsadlfkahfkladfhsklfjhsif
```

We're only looking for a realllllly basic chatbot here, so what we're going to do is look for whether the messages we're getting from a user contains certain words and we're going to construct an output based off of it. We'll give your chatbot an incoming message, a bunch of input/output pairs and we're looking for the message the chatbot will output. Each time we run into a string from one of our pairs (on the input side), we'll output the corresponding output string.

## Input Format

Input format:

```
<input message>
<input phrase 1>:<output phrase 1>
<input phrase 2>:<output phrase 2>
...
```

## Constraints

You should order the output phrases according to where they started within the input message. Two outputs will never be spawned at the same index in the input string.

## Output Format

Your output should just be the text that your chatbot will print in response to the input message.

## Sample Input

For instance, one really common pickup line in the 12th dimension is "yyyuyuuyuyuu", and it's commonly accepted that the best response is "agagagagagagag".

Sample input 1: (ignore characters that aren't necessary)

```
aaayyyuyuuyuyuuasdfldfdfdkdf
yyyuyuuyuyuu:agagagagagagag
```

Sample input 2: (sometimes you can ignore pairs)

```
cheeseburgersaresodelicious
```

```
afafsfsf:dhdjf
```

Sample input 3: (note that pairs can be used multiple times)

```
himom  
m:blurbeedurbeedoo
```

Sample input 4: (note the overlap)

```
darwinisamazing  
darwinis:insertwitty  
isamazing:statementhere
```

## Sample Output

Sample output 1:

```
agagagagagagag
```

Sample output 2:

```
(empty output, don't actually print anything here)
```

Sample output 3:

```
blurbeedurbeedooblurbeedurbeedoo
```

Sample output 4:

```
insertwittystatementhere
```

## Explanation

See the parens next to the sample inputs for specific input explanations.