**ATTRİBUTE PARSER**

We have defined our own markup language *HRML*. In HRML, each element consists of a starting and ending tag, and there are attributes associated with each tag. Only starting tags can have attributes. We can call an attribute by referencing the tag, followed by a tilde, '~' and the name of the attribute. The tags may also be nested.

The *opening tags* follow the format:

<tag-name attribute1-name = "value1" attribute2-name = "value2" ...>

The *closing tags* follow the format:

</tag-name>

For example:

<tag1 value = "HelloWorld">

<tag2 name = "Name1">

</tag2>

</tag1>

The attributes are referenced as:

tag1~value

tag1.tag2~name

You are given the source code in HRML format consisting of N lines. You have to answer Q queries. Each query asks you to print the value of the attribute specified. Print *"Not Found!"* if there isn't any such attribute.

**Input Format**

The first line consists of two space separated integers, N and Q. N  specifies the number of lines in the HRML source program. Q specifies the number of queries.

The following N lines consist of either an opening tag with zero or more attributes or a closing tag.There is a space after the tag-name, attribute-name, '=' and value.There is no space after the last value. *If there are no attributes there is no space after tag name.*

Q queries follow. Each query consists of string that references an attribute in the source program.

**Constraints**

* 1<=N<=20
* 1<=Q<=20
* Each line in the source program contains, at max,  characters.
* Every reference to the attributes in the  queries contains at max  characters.
* All tag names are unique and the HRML source program is logically correct.
* A tag can have no attributes as well.

**Output Format**

Print the value of the attribute for each query. Print "*Not Found!*" without quotes if there is no such attribute in the source program.

**Sample Input**

4 3

<tag1 value = "HelloWorld">

<tag2 name = "Name1">

</tag2>

</tag1>

tag1.tag2~name

tag1~name

tag1~value

**Sample Output**

Name1

Not Found!

HelloWorld