

Spam

Facebook is getting tired of spammers, as such, they plan to go hard on the spammers, that's why they called you, they would like a program that controls this kind of situation, facebook receives the information as follows:

NAME: COMMENT

Where the NAME string is, it's going to be replaced by a string, belonging to the person who wrote the comment, note that the name can be a string of more than a single word, after that, a colon will continue followed by a single space, when the word COMMENT is, it's gonna be the comment of the person, a person can comment as many times they like if he/she uses as much stars at the end as comment they possess. By instance

Dickie: THIS*

Dickie: IS**

Dickie: SPARTA***

Else it will be counted as a spammer.

Given N comments on a topic found on facebook, please determine if the people it's a spammer or not.

INPUT DETAILS:

An integer N denoting the numbers of comment, then N lines with a string S.

OUTPUT DETAILS:

Print a list of K people, the K people implied on the status, you must print a string P where P represents the person you are telling (you must print it in order of appearance), followed by a space and then a string 'YES' or 'NO' if the person is a spammer or not.

INPUT	OUTPUT
10	Victoria NO
Victoria: STOP SPAMMING ME	Rudolph NO
Rudolph: Why?	Orianna YES
Orianna: Don't you like it!?	Maurice YES
Victoria: No! Drop death!	
Victoria: Dead*	

Maurice: Hahaha she doesn't know how to speak

Maurice: speak

Orianna: IGRJAIGRJAI

Orianna: GRJAIGJAIA

Orianna: :D

CONSTRAINTS:

$1 \leq N \leq 1000$

$1 \leq |S| \leq 10000$