Given a C++ program, remove comments from it. The program source is an array of strings source where source[i] is the ith line of the source code. This represents the result of splitting the original source code string by the newline character '\n'.

In C++, there are two types of comments, line comments, and block comments.

* The string "//" denotes a line comment, which represents that it and the rest of the characters to the right of it in the same line should be ignored.
* The string "/\*" denotes a block comment, which represents that all characters until the next (non-overlapping) occurrence of "\*/" should be ignored. (Here, occurrences happen in reading order: line by line from left to right.) To be clear, the string "/\*/" does not yet end the block comment, as the ending would be overlapping the beginning.

The first effective comment takes precedence over others.

* For example, if the string "//" occurs in a block comment, it is ignored.
* Similarly, if the string "/\*" occurs in a line or block comment, it is also ignored.

If a certain line of code is empty after removing comments, you must not output that line: each string in the answer list will be non-empty.

There will be no control characters, single quote, or double quote characters.

* For example, source = "string s = "/\* Not a comment. \*/";" will not be a test case.

Also, nothing else such as defines or macros will interfere with the comments.

It is guaranteed that every open block comment will eventually be closed, so "/\*" outside of a line or block comment always starts a new comment.

Finally, implicit newline characters can be deleted by block comments. Please see the examples below for details.

After removing the comments from the source code, return *the source code in the same format*.

**Example 1:**

Input: source = ["/\*Test program \*/", "int main()", "{ ", " // variable declaration ", "int a, b, c;", "/\* This is a test", " multiline ", " comment for ", " testing \*/", "a = b + c;", "}"]  
Output: ["int main()","{ "," ","int a, b, c;","a = b + c;","}"]  
Explanation: The line by line code is visualized as below:  
/\*Test program \*/  
int main()  
{   
 // variable declaration   
int a, b, c;  
/\* This is a test  
 multiline   
 comment for   
 testing \*/  
a = b + c;  
}  
The string /\* denotes a block comment, including line 1 and lines 6-9. The string // denotes line 4 as comments.  
The line by line output code is visualized as below:  
int main()  
{   
   
int a, b, c;  
a = b + c;  
}

**Example 2:**

Input: source = ["a/\*comment", "line", "more\_comment\*/b"]  
Output: ["ab"]  
Explanation: The original source string is "a/\*comment\nline\nmore\_comment\*/b", where we have bolded the newline characters. After deletion, the implicit newline characters are deleted, leaving the string "ab", which when delimited by newline characters becomes ["ab"].

**Constraints:**

* 1 <= source.length <= 100
* 0 <= source[i].length <= 80
* source[i] consists of printable **ASCII** characters.
* Every open block comment is eventually closed.
* There are no single-quote or double-quote in the input.