# Problem 4. Files

You are given number of files with their **full file paths** and **file sizes**. You need to **print all file names** with **a given extension** that are present in **a given root directory sorted by their file size** in **descending order**. If two files have **same size**, order them **by alphabetical order**.

If a **file name (file name + extension) appears more than once in a given root**, **save only its latest value.** If a file name appears in more than one root, they are treated as different files.

If there **aren't any files** that correspond to the query, print **"No"**.

## Input / Constrains

* On the **first line** of input you will get **N** the **number of files to be read from the console**
* On the next N lines, you receive **the actual files in the format "root\folder\filename.extension;filesize"**
* There may be more than one folder e.g. **files can be deeply nested**
* On the last line you receive a query string in format **"{extension} in {root}"**. You need to print all files with the given extension that are in present in the given root

## Output

* You need to print all files sorted by their size in descending order.
* If two files have the same size, order them by alphabetical order.
* In the **sorting** of the **strings**, the **lowercase letters** come **BEFORE** the **uppercase**.
* Files should be printed in the given format **"filename.extension - filesize KB"**
* If there **aren't any movies** that correspond to the query, print **"No"**.

## Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| 4  Windows\Temp\win.exe;5423  Games\Wow\wow.exe;1024  Games\Wow\patcher.cs;65212  Games\Pirates\Start\keygen.exe;1024  exe in Games | keygen.exe - 1024 KB  wow.exe - 1024 KB |
| 3  C:\Documents\01. problems.docx;6521  D:\Documents\02. Documents\ presentation.pptx;44234  E:\Movies\Classics\someclassicmovie.avi;6221235212  docx in E: | No |