Your computer filesystem is a tree with several directories. Initially, you only have the root directory “/”. A filepath describes a path from “/” to a directory, using slashes to separate directories. For instance, “/”: only the root; “/dev/”: “dev” inside the root; “/pictures/travel/porto/”: “porto” inside “travel” inside “pictures” inside the root.

You have three commands to change the filesystem:

- **make filepath**: Creates the minimum number of directories to make filepath valid.
- **erase filepath**: Removes the directory described by filepath and all its content. You can assume that filepath always exists.
- **move src dst**: Moves the directory src and all its content inside the directory dst. You can assume that src and dst exist, that src and dst are different, and that dst is not a subdirectory of src.

Additionally, assume that the root will never be moved nor removed. But you can make /.

Given a list of commands, print the whole filesystem with an indented tree as shown in the sample outputs. List the children of every directory in alphabetical order.

**Input**

Input consists of between 1 and a few thousand commands. The directory names consist of between 1 and 8 lowercase letters. Every command will create a small number of new directories, if any. At every moment, the tree will not be “too large” nor “too high”.

**Output**

After every command, print a line with 20 dashes followed by the filesystem tree.

**Sample input 1**

make /dev/null/
made /dev/
made /dev/null/
move /dev/null/ /dev/

**Sample output 1**

```
-------------------
/                  
  dev
  null
-------------------
/                  
  dev
  null
-------------------
/                  
  dev
  null
```
Sample input 2
make /photos/travel/
make /test/a/b/z/
make /test/a/z/z/
moves /photos/travel/ /test/a/b/
make /test/d/h/
erase /test/d/h/
erase /test/
moves /photos/ /

Sample output 2
-------------------
/                      
  photos               
  travel              
-------------------
/                      
  photos               
  travel              
  test                
    a                 
    b                 
    z                 
-------------------
/                      
  photos               
  travel              
  test                
    a                 
    b                 
    z                 
    z                 
-------------------
/                      
  photos               
  test                
    a                 
    b                 
    travel           
    z                 
    z                 
    z                 
-------------------
/                      
  photos               
  test                
    a                 
    b                 
    travel           
    z                 
    z                 
    d                 
-------------------
/                      
  photos               
-------------------
/                      
  photos