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Remove Sub-Folders from the Filesystem:

-> Given: List of folders representing folders and Subfolders.

If folder[i] is located within another folder[j]

Empty strings and "/" are not valid strings.

Ans> Brute force:

Prefix matching

["/a", "/a/b", "/c/d", "/c/d/e", "/c/f"] - check for others

n to scan the input.

L length of Prefixes.

L^2 to compare prefixes.

$O(n L^2)$ time

[Can be optimized with Heap.

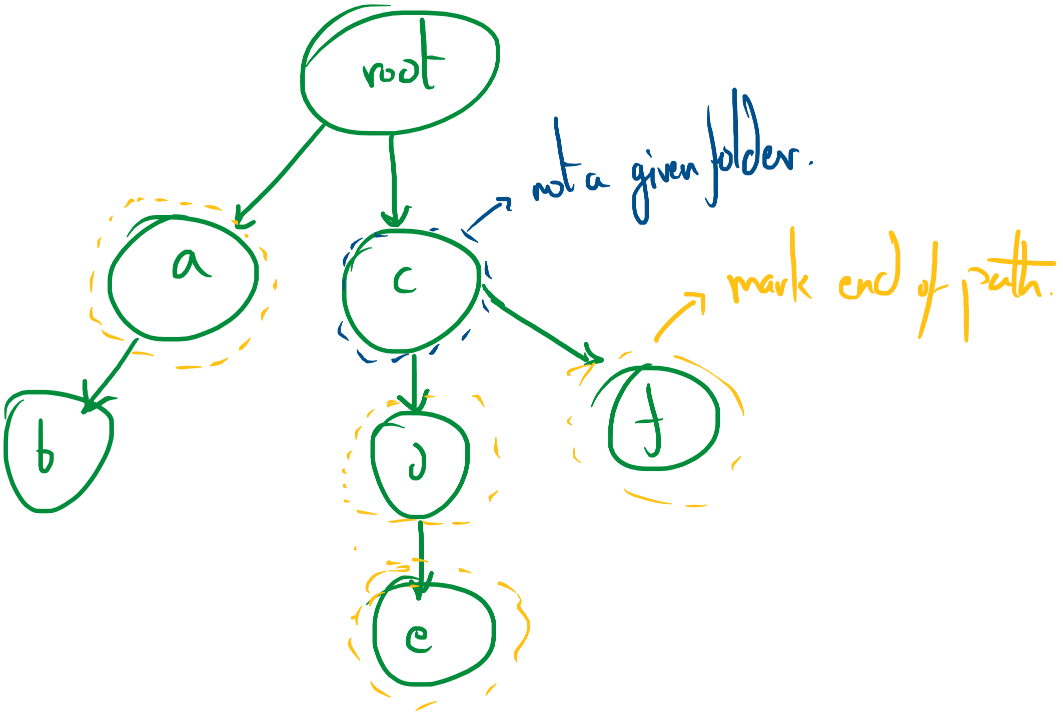
```
def function
    folderset = set(folder)
    res = []
res = []

for f in folder :
    res.append(f)
    for i in range (len(f)):
        if f[i] == "/" and f[:i] in folder_set:
            res.pop()
            break

return res
```

Efficient Solution: Prefix Trees

["/a", "/a/b", "/c/d", "/c/d/e", "/c/f"]



Moderate Solution:

- → sort the folder list alphabetically, bringing groups of subfolders immidiately after their parent folder.
- → A List to track non-subfolders Add the first folder to the list.
- → For each subsequent folder:
  - → Check if it begins with the last folder in the result list plus a /.
  - → If not, add it to the result list; otherwise, it is a subfolder and cannot be skipped.
- → Return the result list as it only contains only non subfolders