

1598. Crawler Log Folder

Description

The Leetcode file system keeps a log each time some user performs a *change folder* operation.

The operations are described below:

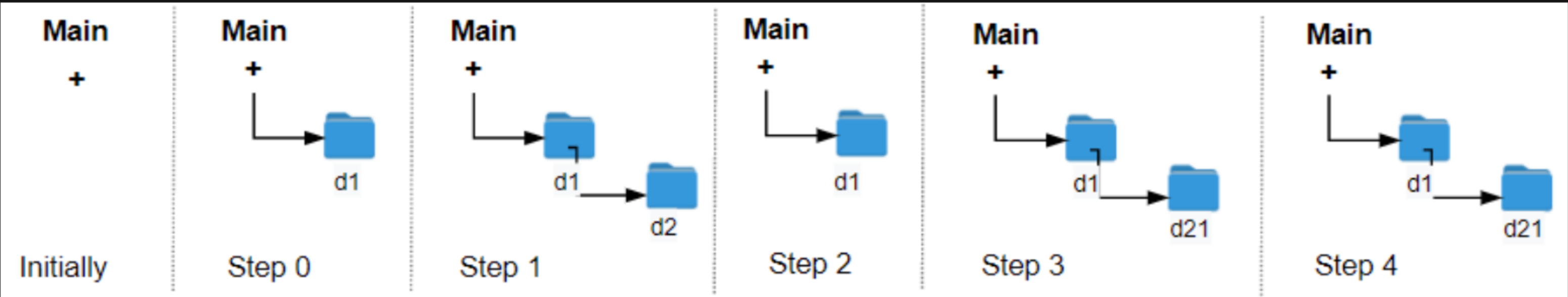
- `"../"` : Move to the parent folder of the current folder. (If you are already in the main folder, **remain in the same folder**).
- `"./"` : Remain in the same folder.
- `"x/"` : Move to the child folder named `x` (This folder is **guaranteed to always exist**).

You are given a list of strings `logs` where `logs[i]` is the operation performed by the user at the `ith` step.

The file system starts in the main folder, then the operations in `logs` are performed.

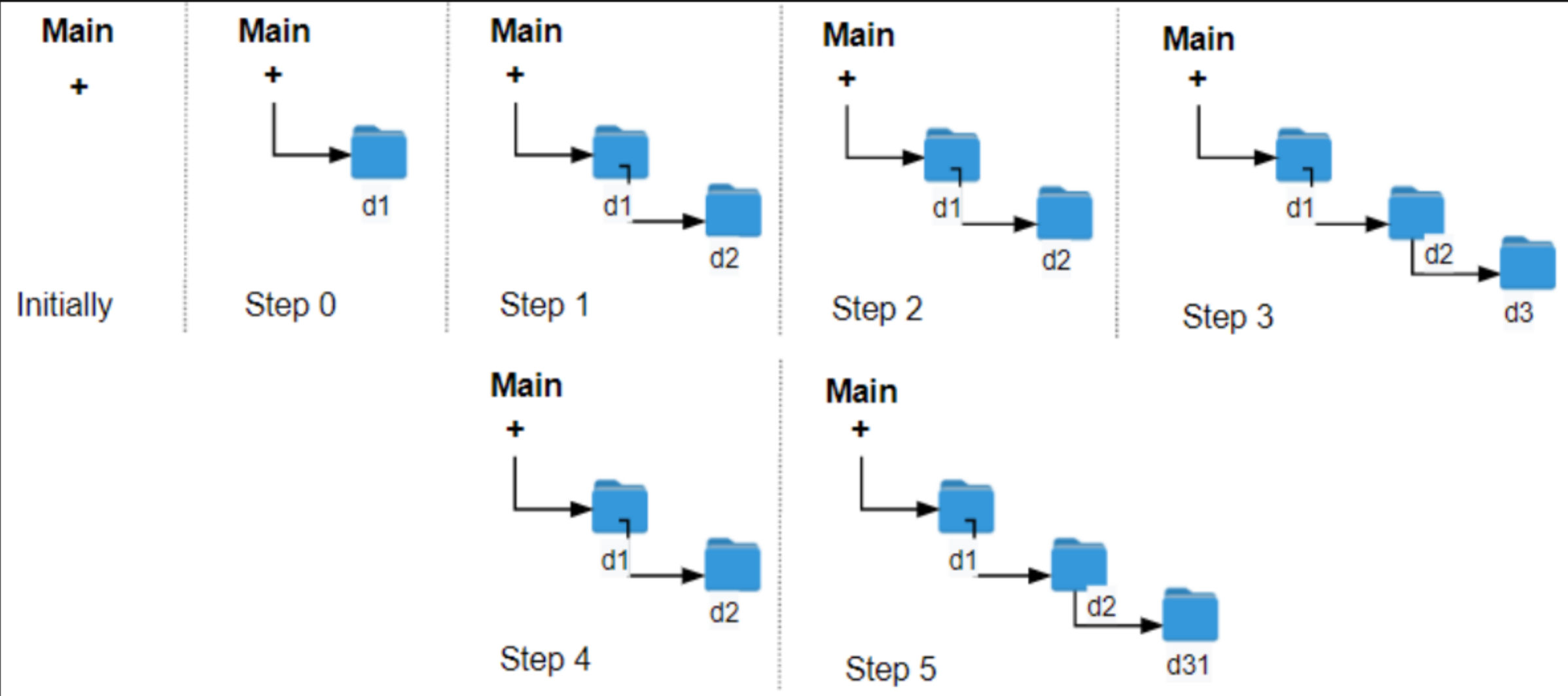
Return *the minimum number of operations needed to go back to the main folder after the change folder operations*.

Example 1:



Input: `logs = ["d1/","d2/","../","d21/","../"]`
Output: 2
Explanation: Use this change folder operation `"../"` 2 times and go back to the main folder.

Example 2:



Input: `logs = ["d1/","d2/","../","d3/","../","d31/"]`
Output: 3

Example 3:

Input: `logs = ["d1/","../","../","../"]`
Output: 0

Constraints:

- $1 \leq \text{logs.length} \leq 10^3$
- $2 \leq \text{logs[i].length} \leq 10$
- `logs[i]` contains lowercase English letters, digits, `'.'`, and `'/'`.
- `logs[i]` follows the format described in the statement.
- Folder names consist of lowercase English letters and digits.

