Juniplify Path

For this problem we must windlate Unix style path normalization.

vor mus procure according some per per per per mornical accept.
Key Dea:
Tolet the path by 1!
· Use a stack to build the consnice poth:
1. Ignore empty parts and. (current directory)
1. Ignore empty posts and. (cursent directory). 2. When encountering, pop from the stack if not empty (go
egs a level).
3. Otherwise, such normal dérectory names l'including names
like which are valid)
· Reconstruct the path by jaining stock with "!
[Algorithm:
1 plit path by 1
1. For each component:
- These was a
· If " - pop stacke (if not empty).
· Else - push component.
3. Jan stock with 'I and prepend '!
2. Jan stack with '/ and prepend '/! 4. If stack is empty → return "/".
Complexity:
Time: O(n) (pletting and moveming each component ence).
Time: O(n) (splitting and moveming each component once). · space: O(u) (stack to store directories).