

# 71. Simplify Path

[link](#)

deque的用法 arrayDeque, iterator的顺序跟stack不一样, stack已经被弃用了

```
public String simplifyPath(String path) {
    final Set<String> SKIP = new HashSet<>(Arrays.asList("..", ".", ""));

    Deque<String> deque = new ArrayDeque<>();
    for(String str : path.split("/")){
        // be careful with `deque.isEmpty()` scenario
        if(!deque.isEmpty() && str.equals(".."))
            deque.poll();
        // otherwise `if...else if...` might BOTH be valid
        else if(!SKIP.contains(str))
            deque.push(str);
    }

    StringBuilder builder = new StringBuilder();
    if(deque.isEmpty()) return "/";
    while(!deque.isEmpty())
        builder.append("/").append(deque.pollLast());

    return builder.toString();
}
```