

1D size k

① Stack: $O(n)$ 可解.

② Dedup $O(n \cdot (\frac{n}{k}))$

```
while (length < size)
    length = s.size()
    for (i in length):
        if i == 0 || s[i] != s[i-k]
            count = 1
        else
            s = s[i-k : i]
            break
```

③ Count:

if count[i] = k

$s = [s[i-k+1] + s[i+1:]]$

1D size k+1 (zuma)

Stack $O(n)$ 可解.

$s = s + "$"$

① If not stack append

② 相同 update

③ 不同

① 没到 k 以上? append

② 到 k 了 pop:

① 空或不样 append

② 一样 update.

2D 如何不用 mark negative?

1) 存入 set 中, 将需要 remove 掉的设为 0, 然后做 Gravity Pull

Runtime? $O(N^2 \cdot (\frac{N}{k}))$ 每次 crush k ↑.

Recursion / Loop: (这是 k+1 版本)

Dedup $O(n \cdot (\frac{n}{k}))$

Dedup: $s = s + "$"$

prevstart = 0

for i, c in enumerate(board):

if c != board[prevstart]:

if i - prevstart >= 3:

return dedup([prevstart] + [i :])

prevstart = i

return board