trivialbox ⌄

IEEEXtreme 10.0 › Painter's Dilemma

Painter's Dilemma
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by *IEEEXtreme*

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Submitted 3 days ago • Score: 58.00   Status: **Accepted**

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✔ Test Case #21		

Submitted Code

Language: Python 3   ⑂ Open in editor

```python
from collections import Counter

for _ in range(int(input())):
    n = int(input())
    brushes = map(int, input().split())
    before = next(brushes)
    changes = {0:[]}
    changes[before] = [0]
    index = 1
    all_brushes = [before]
    for b in brushes:
        if b != before:
            changes.setdefault(b, []).append(index)
            all_brushes.append(b)
            index += 1
            before = b

    f = 0
    s = 0
    num_changes = 0
    for c in all_brushes:
        if f == c or s == c:
            changes.get(c).pop(0)
            continue

        if not changes[f]:
            f = c
        elif not changes[s]:
            s = c
        elif changes[f][0] < changes[s][0]:
            s = c
        else:
            f = c
        changes.get(c).pop(0)
        num_changes += 1
    print(num_changes)
```

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