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20 / 22 Completed

01 : 27 : 24

Question 21 Max. score: 10.00

Flipping Cards

click here to see the code

N cards number from 0 to N-1, are placed in a line adjacent to other such that card i to adjacent to card i+1. Each card has a number written on the front Fi and a number written on the back Bi, i ∈ [0, N-1]. Initially all cards are facing up.

You can flip zero or more cards chosen from the N cards. Among the 2^N ways to choose the cards to flip, find the number, modulo 998244353, of such ways that: when the chosen cards are flipped, for every pair of adjacent cards, the integers written on their face-up sides are different.

Sample input

```
3
1 2
4 2
3 4
```

Sample output

```
4
```

New Submission

Auto-complete

```
1
7  int mai
8      uns
9      std
10
11     std
12     std
13
14     for(
15       u
16       s
17       s
18     }
19
20     std:
21 }
```

Test age

Custom

13 14 15 16 17 18 19 20 21 22

Type here to search