Description | Accepted | Editorial | Solutions | Submissions

1007. Minimum Domino Rotations For Equal Row

Solved

Medium | Topics | Companies

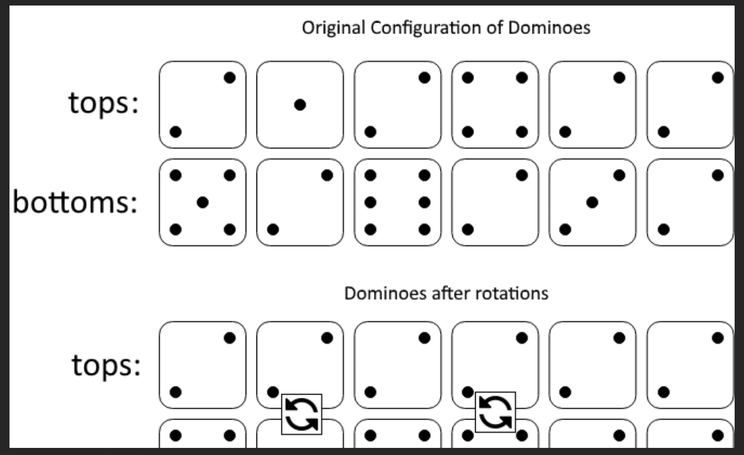
In a row of dominoes, `tops[i]` and `bottoms[i]` represent the top and bottom halves of the i^{th} domino. (A domino is a tile with two numbers from 1 to 6 - one on each half of the tile.)

We may rotate the i^{th} domino, so that `tops[i]` and `bottoms[i]` swap values.

Return the minimum number of rotations so that all the values in `tops` are the same, or all the values in `bottoms` are the same.

If it cannot be done, return `-1`.

Example 1:



2.9K | 10 | 3 Online

Code

Python3 | Auto

```python
class Solution:
    def minDominoRotations(self, tops: List[int], bottoms: List[int]) -> int:
        def check(val):
            tops_rotation=bottoms_rotation=0
            for i in range(len(tops)):
                if tops[i]!=val and bottoms[i]!=val:
                    return -1
                elif tops[i] != val:
                    tops_rotation+=1
                elif bottoms[i]!= val:
                    bottoms_rotation+=1
            return min(tops_rotation,bottoms_rotation)

        rotations = check(tops[0])
        if rotations != -1:
            return rotations
```

Ln 21, Col 1 | Saved

Run | Submit

Testcase | Test Result

Accepted Runtime: 0 ms

Case 1 | Case 2

Input

tops =

[2,1,2,4,2,2]

bottoms =