12558: 岛屿周长

```
n,m=map(int,input().split())
t=[[0 for _ in range(m+2)] for _ in range(n+2)]
for i in range(1,n+1):
    t[i][1:-1]=map(int,input().split())
perimeter=0
for i in range(1,n+1):
     for j in range(1,m+1):
          if t[i][j]==1:
               if t[i-1][j] == 0:
                   perimeter+=1
               if t[i][j-1]==0:
                    perimeter+=1
               if t[i+1][j]==0:
                   perimeter+=1
               if t[i][j+1]==0:
                    perimeter+=1
print(perimeter)
儿贫
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                                       とって
                                                               ובוונם
                                                                        10円区皮
                                                                                     店百
                                                                                            灰义则归
 11 题库 (包括计概、
                   12558: 岛屿周长
                                       Accepted
                                                      5008kB
                                                               30ms
                                                                        474 B
                                                                                     Python3 刚刚
米片台田田口)
                   (matrix)
```

Leetcode 螺旋矩阵:

```
class Solution:
    def spiralOrder(self, matrix: List[List[int]]) -> List[int]:
        if not matrix:
            return[]
        m=len(matrix)
        n=len(matrix[0])
        l,r,t,b=0,n-1,0,m-1
        res=[]
        while True:
            for i in range(l, r + 1): res.append(matrix[t][i]) # left to right
            t += 1
            if t > b: break
            for i in range(t, b + 1): res.append(matrix[i][r]) # top to bottom
            r -= 1
            if l > r: break
```

```
if t > b: break
             for i in range(b, t - 1, -1): res.append(matrix[i][I]) # bottom to top
             l += 1
             if I > r: break
         return res
所有状态 ~
                                                                                 备注
                              所有语言 ~
                                             执行用时
                                                               消耗内存
诵讨
                                              (1) 0 ms
                                                               16.4 MB
                              Python3
2 分钟前
18106: 螺旋矩阵 (OJ)
n=int(input())
mx = [[401 for _ in range(n+2)]for _ in range(n+2)]
for i in range(1,n+1):
    mx[i][1:-1]=[0]*n
#for row in mx:
    #print(row)
directions=[[0,1],[1,0],[0,-1],[-1,0]]
row=1
col=1
N=0
d_row,d_col=directions[0]
for j in range(1,n*n+1):
    mx[row][col]=j
    if mx[row+d_row][col+d_col]!=0:
         N+=1
         d row, d col = directions[N%4]
    row+=d_row
    col+=d_col
for i in range(1,n+1):
    print(' '.join(map(str,mx[i][1:-1])))
 Ⅲ 题库(包括计概、 18106: 螺旋矩阵
                                    Accepted
                                                  3636kB 30ms
                                                                  456 B
                                                                             Python3 昨天
 数算题目)
                  (matrix)
```

for i in range(r, I - 1, -1): res.append(matrix[b][i]) # right to left

b -= 1

04133:垃圾炸弹(滑动窗口问题)

```
d=int(input())
n=int(input())
square=[[0]*1025 for i in range(1025)]
for _ in range(n):
    x,y,i=map(int,input().split())
    for j in range(max(0,x-d),min(x+d+1,1025)):
         for k in range(max(0,y-d),min(y+d+1,1025)):
              square[j][k]+=i
max_garbage=0
for row in square:
    for value in row:
         max_garbage = max(max_garbage, value)
count = sum(row.count(max_garbage) for row in square)
print(count,max_garbage
 比赛
                   题目
                                     结果
                                                   内存
                                                           时间
                                                                    代码长度
                                                                                       提交时间
 11 题库 (包括计概、
                   04133: 垃圾炸弹
                                                   11900kB 254ms
                                                                    431 B
                                                                               Python3 図図
                                     Accepted
 数算题目)
OJ 26976:摆动序列
#greedy
n=int(input())
num=list(map(int,input().split()))
```

```
def swing(numbers):
    if n==1:
         return n
    cnt=1
    prev diff=0
    for i in range(1,n):
         diff=numbers[i]-numbers[i-1]
         if diff!=0 and diff*prev_diff<=0:
              cnt+=1
              prev_diff=diff
    return cnt
print(swing(num))
#dp(没通过,wa 了,之后再看一下)
n=int(input())
num=list(map(int,input().split()))
if n<3:
    print(n)
```

```
exit()

dp=[1]*n

for i in range(n):
    if i==0:
        dp[0]=1
    if i==1:
        dp[1]=2
    else:
        if (num[i]-num[i-1])*(num[i-1]-num[i-2])<0:
             dp[i]=dp[i-1]+1
        else:
             dp[i]=dp[i-1]

print(dp[-1])
```

CF455A: Boredom

print(max(dp))

只要想清楚,

- 1、如果选了一个数字,那么所有的这个数字都要选(例如一个列表里有8个3,只要选了一个3,那么剩下的7个3也都要选);
- 2、在考虑删掉 x 这个数值的时候,无需考虑删掉 x+1 这个数值,因为动态规划的核心就是会按顺序动态变换依次考虑,当程序开始考虑 x+1 的时候,如果删掉 x+1 收益更多,只需通过代码实现此时再把 x(x+1 的前一个)删掉即可。如果删掉 x+1 收益更少,那么更是无需将 x+1 加入计算结果中。

| My Submissions | | | | | | | | | | | | |
|----------------|----------------------------------|--------------------|-------------|----------|----------|--------|----------|--|--|--|--|--|
| # | When | Who | Problem | Lang | Verdict | Time | Memory | | | | | |
| 291840638 | Nov/16/2024 18:12 ^{UTC} | liquoriceliquorice | A - Boredom | Python 3 | Accepted | 171 ms | 13000 KB | | | | | |

02287: Tian Ji -- The Horse Racing

```
while True:
     n = int(input().strip())
     if n == 0:
          break
     tian = list(map(int, input().split()))
     king = list(map(int, input().split()))
     tian.sort()
     king.sort()
     tian_pointer, king_pointer = 0, 0
     king_last=n-1
     tian_last=n-1
     money = 0
     while tian_pointer<=tian_last:
          if tian[tian_pointer]>king[king_pointer]:
               money+=200
               king_pointer+=1
               tian_pointer+=1
          elif tian[tian_pointer]==king[king_pointer]:
               if tian[tian_last]>king[king_last]:
                    money+=200
                    king_last-=1
                    tian_last-=1
               elif tian[tian_pointer]==king[king_last]:
                    king_last -= 1
                    tian_last -= 1
                    king_pointer += 1
                    tian_pointer += 1
               else:
                    money-=200
                    king_last-=1
                    tian_pointer+=1
          elif tian[tian_pointer]<king[king_pointer]:</pre>
               money-=200
               king_last-=1
               tian_pointer += 1
     print(money)
```

| 比赛 | 题目 | 结果 | 内存 | 时间 | 代码长度 | 语言 | 提交时间 |
|-------------|--------------------|----------|--------|------|--------|---------|-------|
| 瓦 题库 (包括计概、 | 02287: Tian Ji The | Accepted | 4172kB | 61ms | 1065 B | Python3 | 17小时前 |
| 数算题目) | Horse Racing | Accepted | | | | | |

学习感想:这周因为降温生病了,做的不多。看题解学到了很多大家的思路。