

sy321 迷宫最短路径

用 dfs 和 bfs 各写了一遍，想看看两者时间的差距，结果……都是 0ms……

The screenshot shows a competition interface with two tabs: '题目' (Title) and '题解' (Solution). The '题目' tab contains a Python code snippet for a Breadth-First Search (BFS) algorithm to find the shortest path in a grid. The '题解' tab shows the same code running successfully with a time of 0 ms.

```
# 初始化队列和访问标记
queue = deque([(0, 0)])
visited = [[False] * m for _ in range(n)]
visited[0][0] = True
pre = [[None] * m for _ in range(n)]

while queue:
    x, y = queue.popleft()
    if x == n - 1 and y == m - 1:
        break
    # 检查四个方向的相邻节点
    for dx, dy in directions:
        nx, ny = x + dx, y + dy
        if 0 <= nx < n and 0 <= ny < m and not visited[nx][ny]:
            visited[nx][ny] = True
            pre[nx][ny] = (x, y)
            queue.append((nx, ny))

# 回溯路径
path = []
current = (n - 1, m - 1)
while current:
    path.append(current)
    current = pre[current[0]][current[1]]
path.reverse()

# 输入处理
n, m = map(int, input().split())
maze = [list(map(int, input().split())) for _ in range(n)]
```

代码书写: (8 lines of code)

```
def dfs(x, y, d):
    global ans
    if x == n and y == m:
        li.append(f'({x}, {y})')
        if len(li) < len(ans):
            ans = li[:]
    if ma[x][y] == '0':
        li.append(f'({x}, {y})')
    if d != 1:
        dfs(x-1, y, -1)
    if d != -1:
        dfs(x+1, y, 1)
    if d != 2:
        dfs(x, y-1, -2)
    if d != -2:
        dfs(x, y+1, 2)
    li.pop()
```

测试输入: (empty)

提交结果: 完美通过

运行时长: 0 ms

收起面板

运行 提交

sy324 多终点迷宫问题

忘了调用函数，检查了半个多小时才发现……

The screenshot shows a competition interface with two tabs: '题目' (Title) and '题解' (Solution). The '题目' tab contains a Python code snippet for a Breadth-First Search (BFS) algorithm to find the shortest paths from all cells in a grid to specific target cells. The '题解' tab shows the code running successfully with a time of 0 ms.

```
接下来n行，每行m个整数（值为0或1），表示迷宫。
```

输出描述

```
输出n行m列的整数，表示从左上角到迷宫中每个位置需要的最小步数。如果无法到达，那么输出-1。注意，整数之间用空格隔开，行末不允许有多余的空格。
```

样例1

输入 复制

```
3 3
0 0 0
1 0 0
0 1 0
```

输出 复制

```
0 1 2
-1 2 3
-1 -1 4
```

解释

```
假设左上角坐标是(1, 1)，行数增加的方向为x增长的方向，列数增加的方向为y增长的方向。
```

可以得到从左上角到所有点的前进路线：(1, 1) => (2, 1) => (2, 2) 或 (1, 3) => (2, 3) => (3, 3)。

代码书写: (21 lines of code)

```
ma = []
for _ in range(n):
    ma.append(input().split())
ans = [[-1]*m for _ in range(n)]
ans[0][0] = 0
way = {(0, 1), (0, -1), (1, 0), (-1, 0)}
def bfs():
    q = deque([(0, 0)])
    while q:
        a, b = q.popleft()
        for (x, y) in way:
            aa = a+x
            bb = b+y
            if 0 <= aa < n and 0 <= bb < m and ma[aa][bb] == 1:
                ans[aa][bb] = ans[a][b] + 1
                q.append((aa, bb))
```

测试输入: (empty)

提交结果: 完美通过

时长 (ms): 0

语言: Python

收起面板

运行 提交

M02945: 拦截导弹

自己写的 dp，看了题解，有 dp 和二分查找，请问老师，贪心解法是什么？

OpenJudge

CS101 / 计算思维算法实践

题目 排名 状态 提问

按 F11 即可退出全屏模式

#51062257提交状态

查看 提交 统计 提问

状态: Accepted

基本信息

#: 51062257
题目: M02945
提交人: cmwjf
内存: 3648kB
时间: 23ms
语言: Python3
提交时间: 2025-11-29 19:53:46

源代码

```
k = int(input())
li = list(map(int, input().split()))
dp = [1]*k
for i in range(k):
    a = 1
    for j in range(i):
        if a <= dp[j] and li[i] <= li[j]:
            a = dp[j]+1
    dp[i] = a
print(max(dp))
```

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189A. Cut Ribbon

AI翻译 目标语言: 简体中文 译文模型: 基础模型 译文模式: 仅译文 翻译网页 PDF翻译 自动翻译当前网站

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General

#	Author	Problem	Lang	Verdict	Time	Memory	Sent	Judged	
351168386	Practice: wsgwz	189A - 39	Python 3	Accepted	77 ms	80 KB	2025-11-29 15:39:22	2025-11-29 15:39:23	Compare

→ Source

```
n,a,b,c = map(int,input().split())
li = [0]+[-1]*(n)
for i in range(1,n+1):
    ta, tb, tc = 0, -1, -1
    if i-a == 0 and li[i-a] != -1:
        ta = li[i-a]+1
    if i-b == 0 and li[i-b] != -1:
        tb = li[i-b]+1
    if i-c >= 0 and li[i-c] != -1:
        tc = li[i-c]+1
    li[i] = max(ta,tb,tc)
print(li[n])
```

Click to see test details

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The only programming contests Web 2.0 platform
Server time: Nov/29/2025 20:41:51^{UTC+8} (k1).
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01384:Piggy-Bank

方法和上一题好像， python 惊险通过

The screenshot shows a successful submission for problem #51063375 on the OpenJudge platform. The status is "Accepted". The source code is as follows:

```
T = int(input())
for _ in range(T):
    E,F = map(int,input().split())
    l = F-E
    n = int(input())
    da = []
    for _ in range(n):
        da.append(list(map(int,input().split())))
    li = [0]+[-1]*l
    for i in range(1,l+1):
        if i-j[1] >= 0 and li[i-j[1]] != -1:
            ans.append(j[0]+li[i-j[1]])
    if ans:
        li[1] = min(ans)
    if li[1] == -1:
        print("This is impossible.")
    else:
        print(f"The minimum amount of money in the piggy-bank is {li[1]}.")

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```

Basic information for the submission:

- #: 51063375
- 题目: 01384
- 提交人: cmjyf
- 内存: 4144kB
- 时间: 9456ms
- 语言: Python3
- 提交时间: 2025-11-29 21:01:05

English 帮助 关于

M02766: 最大子矩阵

奇怪的不定行输入

学会了 Kadane 算法

The screenshot shows a successful submission for problem #51086618 on the OpenJudge platform. The status is "Accepted". The source code is as follows:

```
n = int(input())
li = []
while 1:
    try:
        a = input().split()
        for i in a:
            li.append(int(i))
    except:
        break
ma = []
ans = -127
for i in range(n):
    ma.append(li[i*n:(l+i)*n])
def ka(li):
    ans = -127
    s = 0
    for i in li:
        s = max(s+i,i)
        ans = max(s,ans)
    return ans
ans = -127
for i in range(n):
    li = []
    for j in range(n):
        li.append(ma[i][j])
        ans = max(ans,ka(li))
    for j in range(1,n-i):
        for k in range(n):
            li[k] += ma[i+j][k]
```

Basic information for the submission:

- #: 51086618
- 题目: M02766
- 提交人: cmjyf
- 内存: 3784kB
- 时间: 374ms
- 语言: Python3
- 提交时间: 2025-12-01 16:38:40