

## M04147 汉诺塔问题(Tower of Hanoi)

The screenshot shows a submission status page for the Tower of Hanoi problem. The title bar says "OpenJudge" and "CS101 / 计算思维算法实践". The status is "Accepted". The code submitted is:

```
li = input().split()
n = int(li[0])
li = li[1:]
def dfs(n,m1,m2):
    if n == 1:
        print(f'{n}:{li[m1]}->{li[m2]}')
    else:
        dfs(n-1,m1,3-m1-m2)
        print(f'{n}:{li[m1]}->{li[m2]}')
        dfs(n-1,3-m1-m2,m2)

dfs(n,0,2)
```

Basic information for the submission:

- #: 50601248
- 题目: M04147
- 提交人: cmmyjf
- 内存: 3584kB
- 时间: 21ms
- 语言: Python3
- 提交时间: 2025-10-28 16:00:23

Other details: ©2002-2022 POJ 京ICP备20010980号-1 English 帮助 关于

## M05585: 矿石的个数

The screenshot shows a submission status page for the mineral count problem. The title bar says "OpenJudge" and "CS101 / 计算思维算法实践". The status is "Accepted". The code submitted is:

```
def dfs(a,b,c):
    if ma[min(max(a,0),m-1)][min(max(b,0),m-1)] == c:
        ma[min(max(a,0),m-1)][min(max(b,0),m-1)] = '#'
        dfs(a,b-1,c)
        dfs(a,b+1,c)
        dfs(a-1,b,c)
        dfs(a+1,b,c)

n = int(input())
for _ in range(n):
    red,black = 0,0
    m = int(input())
    ma = []
    for _ in range(m):
        st = input()
        ll = []
        for i in range(m):
            if ma[i][j] == 'r':
                red += 1
            elif ma[i][j] == 'b':
                black += 1
            dfs(i,j,'r')
            dfs(i,j,'b')
        print(f'{red} {black}')


print(f'{red} {black}')
```

Basic information for the submission:

- #: 50602573
- 题目: M05585
- 提交人: cmmyjf
- 内存: 3688kB
- 时间: 26ms
- 语言: Python3
- 提交时间: 2025-10-28 16:43:45

## M02786: Pell 数列

这题严格来说是递推吧？（真用递归会超时啊）

还有：我的代码 `n = int(input())` 上面的内容完全可以打表……

但打不打表对时间没什么影响……

OpenJudge  
题目ID, 标题, 描述  
按 F11 即可退出全屏模式  
题目 排名 状态 提问  
#50603283提交状态  
状态: Accepted  
源代码  
```python  
li = [1,2]  
a = 2  
while True:  
 li.append((2\*li[a-1]+li[a-2])%32767)  
 if li[a-1] == li[0] and li[a] == li[1]:  
 break  
 a += 1  
  
n = int(input())  
for \_ in range(n):  
 k = int(input())  
 k = (k-1)%a-1  
 print(li[k])  
```  
基本信息  
#50603283  
题目: M02786  
提交人: cmmyf  
内存: 3596kB  
时间: 21ms  
语言: Python3  
提交时间: 2025-10-28 17:10:09  
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## 46. 全排列

permutations 秒了

自己也写了一个（对回溯和拷贝加深了理解）

题目描述 通过 × 题解 提交记录  
FrostyGagarinHAE 提交于 2025.10.28 17:56  
全部提交记录  
通过 26 / 26 个通过的测试用例  
官方题解 写题解  
① 执行用时分布 ② 消耗内存分布  
0 ms | 击败 100.00% 17.59 MB | 击败 87.03%  
复杂度分析  
75%  
50%  
25%  
0%  
30.9% 的用户使用了类似解法 Runtime: 3 ms  
1ms 2ms 3ms 4ms  
已存储  
代码 Python3  
```python  
class Solution:  
 def permute(self, nums: List[int]) -> List[List[int]]:  
 ans = []  
 a = []  
 def dfs(li):  
 if l == 1:  
 a.append(li[0])  
 ans.append(a[:])  
 a.pop()  
 else:  
 for i in range(l):  
 li[i], li[l-1] = li[l-1], li[i]  
 dfs(li)  
 li[i], li[l-1] = li[l-1], li[i]  
 dfs(nums)  
 return ans  
```  
通过 执行用时: 0 ms  
Case 1 Case 2  
输入  
nums = [1,2,3]  
输出  
[[1,2,3],[1,3,2],[2,1,3],[2,3,1],[3,2,1]]  
预期结果

## T02754:八皇后

刷新了我做的 T 的难度下限，甚至打表都能做

The screenshot shows the OpenJudge platform interface for problem T02754. The title bar says "OpenJudge" and "CS101 / 计算思维算法实践". The main content area displays the submission status for #50626013, which is "Accepted". The source code is provided in Python:

```
from itertools import permutations
li = [1,2,3,4,5,6,7,8]
lii = []
for a in lii:
    b = set()
    c = set()
    t = 1
    for i in range(8):
        if i+a[i] in b:
            t = 0
            break
        else:
            b.add(i+a[i])
        if i-a[i] in c:
            t = 0
            break
        else:
            c.add(i-a[i])
    if t==1:
        lii.append(a)

n = int(input())
for i in range(n):
    m = int(input())
    for i in lii[m-1]:
        print(i,end="")
    print("")
```

The right side of the screen shows basic information about the submission:

基本信息
#: 50626013
题目: T02754
提交人: cmmyjf
内存: 3968kB
时间: 96ms
语言: Python3
提交时间: 2025-10-29 22:23:02

At the bottom, it says "©2002-2022 POJ 京ICP备20010980号-1" and "English 帮助 关于".

## T01958 Strange Towers of Hanoi

好吧，再次刷新了我做的 T 的难度下限，提示太明显了吧，甚至人工手算都能做

The screenshot shows the OpenJudge platform interface for problem T01958. The title bar says "OpenJudge" and "CS101 / 题库 (包括计概、数算题目)". The main content area displays the submission status for #50626153, which is "Accepted". The source code is provided in Python:

```
li = [1]
for n in range(2,13):
    se = set()
    for i in range(1,n):
        se.add(2*i*(i-1)+2**((n-i)-1))
    li.append(min(se))
for i in li:
    print(i)
```

The right side of the screen shows basic information about the submission:

基本信息
#: 50626153
题目: 01958
提交人: cmmyjf
内存: 3552kB
时间: 22ms
语言: Python3
提交时间: 2025-10-29 22:35:02

At the bottom, it says "©2002-2022 POJ 京ICP备20010980号-1" and "English 帮助 关于".