

LuoguP1255 数楼梯

洛谷账号不知何故登不上了，这是代码：

```
n = int(input())
li = [1,2]
for i in range(2,n):
    li.append(li[i-2]+li[i-1])
print(li[-1])
```

27528: 跳台阶

The screenshot shows the OpenJudge submission interface. At the top, there's a navigation bar with 'OpenJudge' and a search bar. Below it, a banner for 'CS101' is visible. The main content area shows the submission status for problem 27528, which is 'Accepted'. The source code is displayed in a text area, and the basic information (submission details) is shown on the right. The footer contains copyright information and links for English, help, and about.

OpenJudge 题目ID, 标题, 描述 cmyjf 信箱 账号

CS101 / 题库 (包括计概、数算题目) 按 F11 即可退出全屏模式

题目 排名 状态 提问

#50890133提交状态 查看 提交 统计 提问

状态: Accepted

源代码

```
n = int(input())
li = [1]
for i in range(1,n):
    s = 1
    for j in range(i):
        s += li[j]
    li.append(s)
print(li[-1])
```

基本信息

#: 50890133
题目: 27528
提交人: cmyjf
内存: 3612kB
时间: 23ms
语言: Python3
提交时间: 2025-11-18 15:19:12

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M23421: 《算法图解》小偷背包问题

想到回溯就做完了

前缀和防超时

AI翻译

目标语言: 简体中文

翻译模型: 基础模型

译文模式: 仅译文

翻译网页

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General

#	Author	Problem	Lang	Verdict	Time	Memory	Sent	Judged		
349565943	Practice: wsgwz	474D - 15	Python 3	Accepted	671 ms	9632 KB	2025-11-18 12:33:50	2025-11-18 12:54:52	☆	Compare

→ Source

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```
t, k = map(int, input().split())
li = [1]*(k-1)+[2]
for i in range(k, 10**5+1):
    li.append((li[i-1]+li[i-k])%(10**9+7))
li2 = [0]
ss = 0
for i in range(len(li)):
    ss += li[i]
    ss = ss%(10**9+7)
    li2.append(ss)
for _ in range(t):
    a, b = map(int, input().split())
    print((li2[b]-li2[a-1])%(10**9+7))
```

Click to see test details

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按 F11 即可退出全屏模式

全部提交记录

通过 70 / 70 个通过的测试用例

Frosty GagarinHAE 提交于 2025.11.19 19:08

官方题解 写题解

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完成认证享 7 折 Plus 会员, 享受更多学业及职业成长帮助

执行用时分布

0 ms | 击败 100.00%

消耗内存分布

17.61 MB | 击败 33.24%

复杂度分析

代码 | Python3

```
class Solution:
    def rob(self, nums: List[int]) -> int:
        if len(nums) == 1:
            return nums[0]
```

Python3 智能模式

```
1 class Solution:
2     def rob(self, nums: List[int]) -> int:
3         if len(nums) == 1:
4             return nums[0]
5         li = [nums[0], max(nums[0], nums[1])]
6         for i in range(2, len(nums)):
7             li.append(max(li[i-1], li[i-2]+nums[i]))
8         return max(li)
```

已存储

行 5, 列 31

测试用例

测试结果

笔记