

1. 题目

E06364: 牛的选举

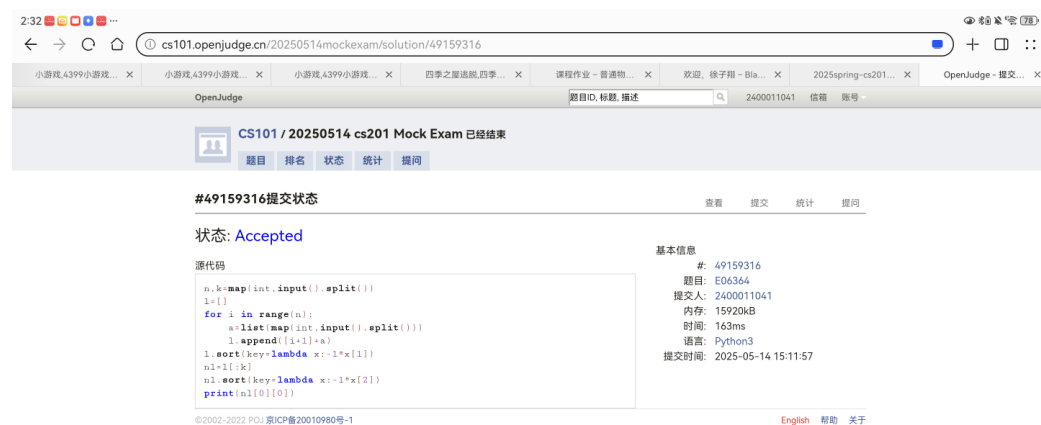
<http://cs101.openjudge.cn/practice/06364/>

思路:

代码:

```
n,k=map(int,input().split())
l=[]
for i in range(n):
    a=list(map(int,input().split()))
    l.append([i+1]+a)
l.sort(key=lambda x:-1*x[1])
nl=l[:k]
nl.sort(key=lambda x:-1*x[2])
print(nl[0][0])
```

代码运行截图（至少包含有"Accepted"）



The screenshot shows a web browser window with the URL cs101.openjudge.cn/20250514mockexam/solution/49159316. The page displays the submission status for problem E06364, which is 'Accepted'. The submission details include the user ID 49159316, the problem ID E06364, the submission ID 2400011041, the memory usage 15920kB, the execution time 163ms, the language Python3, and the submission time 2025-05-14 15:11:57. The source code is also visible, showing the same code as provided in the text.

M04077: 出栈序列统计

<http://cs101.openjudge.cn/practice/04077/>

思路:

代码:

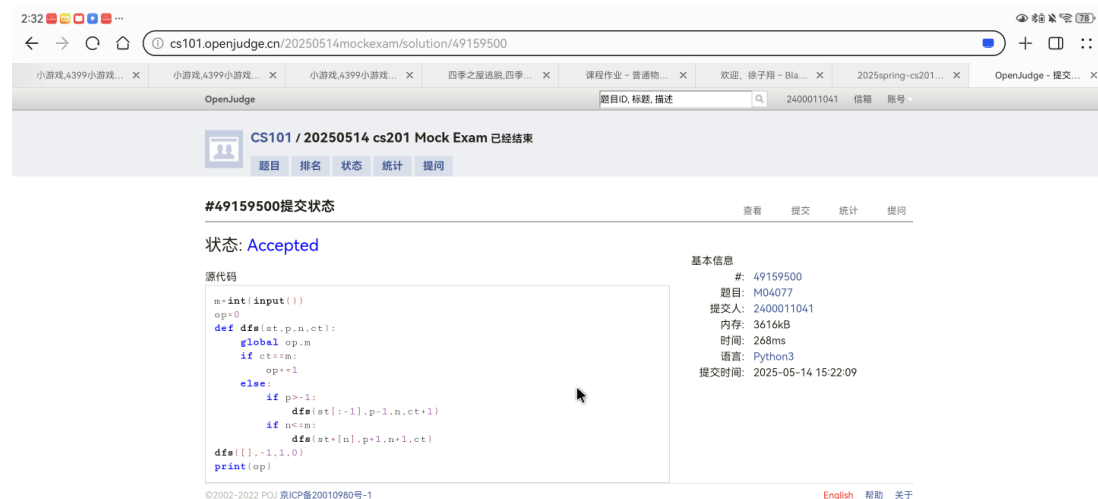
```
m=int(input())
op=0
def dfs(st,p,n,ct):
    global op,m
```

```

if ct==m:
    op+=1
else:
    if p>-1:
        dfs(st[:-1],p-1,n,ct+1)
    if n<=m:
        dfs(st+[n],p+1,n+1,ct)
dfs([],-1,1,0)
print(op)

```

代码运行截图 （至少包含有"Accepted"）



M05343:用队列对扑克牌排序

<http://cs101.openjudge.cn/practice/05343/>

思路:

代码:

```

n=int(input())
l=list(input().split())
dic2={'A':[],'B':[],'C':[],'D':[]}
dic1={}
for i in range(1,10):
    dic1[str(i)]=[]
for k in l:
    dic1[k[1]].append(k)
nl=[]
for k in dic1:

```

```

s=""
for p in dic1[k]:
    s+=p+' '
print('Queue'+k+'.'+s[:-1])
nl=nl+dic1[k]
l=nl
for k in l:
    dic2[k[0]].append(k)
nl=[]
for k in dic2:
    s=""
    for p in dic2[k]:
        s+=p+' '
    print('Queue'+k+'.'+s[:-1])
    nl=nl+dic2[k]
s=""
for p in nl:
    s+=p+' '
print(s[:-1])

```

代码运行截图 （至少包含有"Accepted"）

CS101 / 20250514 cs201 Mock Exam 已经结束

题目ID, 标题, 描述

2400011041 信箱 账号

CS101 / 20250514 cs201 Mock Exam 已经结束

题目 排名 状态 统计 提问

#49160052提交状态

查看 提交 统计 提问

状态: Accepted

源代码

```

n=int(input())
l=list(input().split())
dic2={'A':[],'B':[],'C':[],'D':[]}
dic1=[]
for i in range(1,10):
    dic1[str(i)]=[]
for k in l:
    dic1[k[1]].append(k)
nl=[]
for k in dic1:
    s=""
    for p in dic1[k]:
        s+=p+' '
    print('Queue'+k+'.'+s[:-1])
    nl=nl+dic1[k]
l=nl
for k in l:
    dic2[k[0]].append(k)
nl=[]
for k in dic2:
    s=""
    for p in dic2[k]:
        s+=p+' '
    print('Queue'+k+'.'+s[:-1])
    nl=nl+dic2[k]
s=""
for p in nl:
    s+=p+' '
print(s[:-1])

```

基本信息

49160052

题目 M05343

提交人 2400011041

内存 3632kB

时间 23ms

语言 Python3

提交时间 2025-05-14 15:54:32

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English 帮助 关于

M04084: 拓扑排序

<http://cs101.openjudge.cn/practice/04084/>

思路:

代码:

```

v,a=map(int,input().split())
n={}
class node():
    def __init__(self,num):
        self.num=num
        self.degree=0
        self.kid=[]
        self.visit=False
for i in range(1,v+1):
    n[i]=node(i)

for i in range(a):
    x,y=map(int,input().split())
    n[x].kid.append(n[y])
    n[y].degree+=1

op=[]
while len(op)!=v:
    for k in n:
        if n[k].degree==0 and not n[k].visit:
            op.append(n[k].num)
            n[k].visit=True
            for p in n[k].kid:
                p.degree-=1
            break
s=""
for k in op:
    s+='v'+str(k)+' '
print(s[:-1])
代码运行截图 （至少包含有"Accepted"）

```

4:08 小游戏 4399小游戏... X 小游戏 4399小游戏... X 四季之星速跑,四季... X 课程作业 - 普通物... X 欢迎, 徐子翔 - Bla... X GitHub - GMyM/2... X OpenJudge - 提交... X 在线运行Python3... X

OpenJudge 题目ID, 标题, 描述 2400011041 信箱 账号

CS101 / 20250514 cs201 Mock Exam 已经结束

题目 排名 状态 统计 提问

#49159884提交状态 查看 提交 统计 提问

状态: Accepted

源代码

```
v,n=map(int,input().split())
n=[0]*n
class node():
    def __init__(self,num):
        self.num=num
        self.degree=0
        self.kid=[]
        self.visit=False
    for i in range(1,v+1):
        n[i]=node(i)
    for i in range(n):
        x,y=map(int,input().split())
        n[x].kid.append(n[y])
        n[y].degree+=1
op=[]
while len(op)!=v:
    for k in n:
        if n[k].degree==0 and not n[k].visit:
            op.append(n[k].num)
            n[k].visit=True
            for p in n[k].kid:
                p.degree-=1
            break
s=""
for k in op:
    s+=V+str(k)+' '
print(s[:-1])
```

基本信息

#: 49159884
题目: M04084
提交人: 2400011041
内存: 3688kB
时间: 21ms
语言: Python3
提交时间: 2025-05-14 15:43:19

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M07735:道路

Dijkstra, <http://cs101.openjudge.cn/practice/07735/>

思路:

代码:

```
import heapq
dis={}
k=int(input())
n=int(input())
r=int(input())
for i in range(1,1+n):
    dis[i]={}
for i in range(r):
    s,d,l,t=map(int,input().split())
    if d in dis[s]:
        dis[s][d].append([l,t])
    else:
        dis[s][d]=[[l,t]]
path=[]
visit={}
heapq.heappush(path,(0,1,0))
op=-1
while path:
    dist,name,mon=heapq.heappop(path)
    if name==n:
        op=dist
```

```

        break
    if (name,mon) in visit and dist>=visit[(name,mon)]:
        continue
    visit[(name,mon)]=dist
    for r in dis[name]:
        for q in dis[name][r]:
            ndist,nmon=dist+q[0],mon+q[1]
            if nmon<=k and ((r,nmon) not in visit or ndist<visit[(r,nmon)]):
                heapq.heappush(path,(ndist,r,nmon))

```

print(op)

代码运行截图 （至少包含有"Accepted"）

The screenshot shows the OpenJudge submission page for problem T24637. The submission status is 'Accepted'. The source code is as follows:

```

import heapq
dis={}
k=int(input())
n=int(input())
r=int(input())
for i in range(1,1+n):
    dis[i]={}
for s in range(r):
    s,d,l,t=map(int,input().split())
    if d in dis[s]:
        dis[s][d].append([l,t])
    else:
        dis[s][d]=[l,t]
path=[]
visit=[]
heapq.heappush(path,(0,1,0))
op=-1
while path:
    dist,name,mon=heapq.heappop(path)
    if name==n:
        op=dist
        break
    if (name,mon) in visit and dist>=visit[(name,mon)]:
        continue
    visit[(name,mon)]=dist
    for r in dis[name]:
        for q in dis[name][r]:
            ndist,nmon=dist+q[0],mon+q[1]
            if nmon<=k and ((r,nmon) not in visit or ndist<visit[(r,nmon)]):
                heapq.heappush(path,(ndist,r,nmon))
print(op)

```

The basic information on the right side of the page is:

- #: 49207950
- 题目: 07735
- 提交人: 2400011041
- 内存: 6900kB
- 时间: 60ms
- 语言: Python3
- 提交时间: 2025-05-19 15:59:28

T24637:宝藏二叉树

dp, <http://cs101.openjudge.cn/practice/24637/>

思路:

代码:

```

n=int(input())
l=list(map(int,input().split()))
def dfs(num,fl):
    rt=0
    if num*2<=n:
        rt+=dfs(num*2,True)
    if num*2+1<=n:
        rt+=dfs(num*2+1,True)

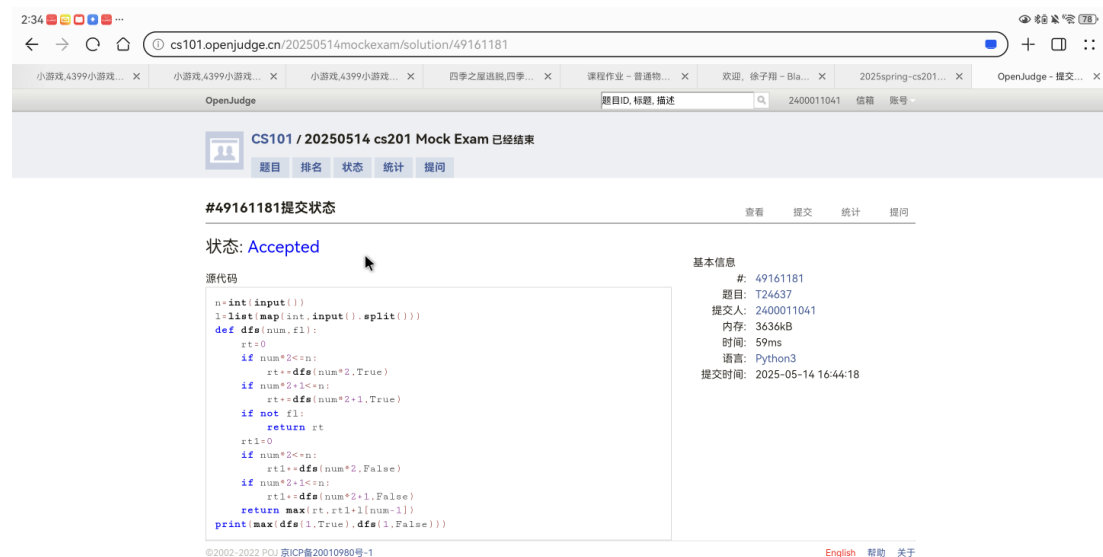
```

```

if not fl:
    return rt
rt1=0
if num*2<=n:
    rt1+=dfs(num*2,False)
if num*2+1<=n:
    rt1+=dfs(num*2+1,False)
return max(rt,rt1+l[num-1])
print(max(dfs(1,True),dfs(1,False)))

```

代码运行截图 （至少包含有"Accepted"）



2. 学习总结和收获

ac5，还是对 djstl 算法理解不深刻导致道路那题没做出来，看了题解才发现可以同时用城市加花费为索引，确实是好方法。（就是做题时没看到路可以有相同始末导致 debug 超久）

如果发现作业题目相对简单，有否寻找额外的练习题目，如“数算 2025spring 每日选做”、LeetCode、Codeforces、洛谷等网站上的题目。

转专业考试，暂停选做