22485:升空的焰火，从侧面看

```python
def cs22485():
    from _collections import deque
    n = int(input())
    dct = {}
    for i in range(n):
        dct[i + 1] = list(map(int, input().split()))
    lst = deque([1])
    tmp = deque([])
    ans = ""
    while lst:
        ans += str(lst[-1]) + " "
        while lst:
            for i in dct[lst.popleft()]:
                if i > -1:
                    tmp.append(i)
        lst = tmp
        tmp = deque([])
    print(ans[:-1])
```

状态: Accepted

源代码

```python
def cs22485():
    from _collections import deque
    n = int(input())
    dct = {}
    for i in range(n):
        dct[i + 1] = list(map(int, input().split()))
    lst = deque([1])
    tmp = deque([])
    ans = ""
    while lst:
        ans += str(lst[-1]) + " "
        while lst:
            for i in dct[lst.popleft()]:
                if i > -1:
                    tmp.append(i)
        lst = tmp
        tmp = deque([])
    print(ans[:-1])


cs22485()
```

基本信息

#: 45029464
题目: 22485
提交人: 22n2200011358
内存: 3740kB
时间: 20ms
语言: Python3
提交时间: 2024-05-20 21:59:33

English   帮助   关于

28203:【模板】单调栈

```python
def cs28203():

    n = int(input())

    a = list(map(int, input().split()))

    ans = [0 for i in range(n)]

    lst = []

    for i in range(n):

        if not lst or a[i] <= a[lst[-1]]:

            lst.append(i)

        else:

            while lst and a[i] > a[lst[-1]]:

                ans[lst.pop()] = i + 1

            lst.append(i)

    for i in ans[:-1]:
```

```
        print(i, end=" ")

    print(ans[-1])
```

状态: Accepted

源代码

```
def cs28203():
    n = int(input())
    a = list(map(int, input().split()))
    ans = [0 for i in range(n)]
    lst = []
    for i in range(n):
        if not lst or a[i] <= a[lst[-1]]:
            lst.append(i)
        else:
            while lst and a[i] > a[lst[-1]]:
                ans[lst.pop()] = i + 1
            lst.append(i)
    for i in ans[:-1]:
        print(i, end=" ")
    print(ans[-1])


cs28203()
```

基本信息
         #: 45029768
     题目: 28203
   提交人: 22n2200011358
     内存: 355704kB
     时间: 3300ms
     语言: Python3
  提交时间: 2024-05-20 22:33:46

09202:舰队、海域出击！

```
def cs09202():

    for _ in range(int(input())):

        n, m = map(int, input().split())

        dct = {i: [] for i in range(n)}

        for _ in range(m):

            a, b = map(int, input().split())

            dct[a - 1].append(b - 1)

        flag0 = [True for _ in range(n)]

        flag = [True for _ in range(n)]


        def go(k):

            for i in dct[k]:
```

```python
                if not ans[0] and flag0[i]:
                    if flag[i]:
                        flag[i] = False
                        go(i)
                    else:
                        print("Yes")
                        ans[0] = True
                        break
            flag0[k] = False

    ans = [False]
    for j in range(n):
        if flag0[j]:
            go(j)
            if ans[0]:
                break
    if not ans[0]:
        print("No")
```

状态: **Accepted**

源代码

```python
def cs09202():
    for _ in range(int(input())):
        n, m = map(int, input().split())
        dct = {i: [] for i in range(n)}
        for _ in range(m):
            a, b = map(int, input().split())
            dct[a - 1].append(b - 1)
        flag0 = [True for _ in range(n)]
        flag = [True for _ in range(n)]

        def go(k):
            for i in dct[k]:
                if not ans[0] and flag0[i]:
                    if flag[i]:
                        flag[i] = False
                        go(i)
                    else:
                        print("Yes")
                        ans[0] = True
                        break
            flag0[k] = False

        ans = [False]
        for j in range(n):
            if flag0[j]:
                go(j)
                if ans[0]:
                    break
        if not ans[0]:
            print("No")
```

基本信息

   #: 45032320
   题目: 09202
   提交人: 22n2200011358
   内存: 59912kB
   时间: 3385ms
   语言: Python3
   提交时间: 2024-05-21 12:49:38

07735:道路

```python
def cs07735():

    import heapq

    k = int(input())

    n = int(input())

    r = int(input())

    dct = {i: [] for i in range(n)}

    for _ in range(r):

        s, d, l, t = map(int, input().split())

        dct[s - 1].append((l, t, d - 1))

    pq = [(0, 0, 0)]

    while pq:
```

```
            ll, tt, dd = heapq.heappop(pq)

            if dd == n - 1:

                print(ll)

                exit()

            else:

                for i in dct[dd]:

                    if tt + i[1] <= k:

                        heapq.heappush(pq, (ll + i[0], tt +
i[1], i[2]))

    print(-1)
```

源代码

```python
def cs07735():
    import heapq
    k = int(input())
    n = int(input())
    r = int(input())
    dct = {i: [] for i in range(n)}
    for _ in range(r):
        s, d, l, t = map(int, input().split())
        dct[s - 1].append((l, t, d - 1))
    pq = [(0, 0, 0)]
    while pq:
        ll, tt, dd = heapq.heappop(pq)
        if dd == n - 1:
            print(ll)
            exit()
        else:
            for i in dct[dd]:
                if tt + i[1] <= k:
                    heapq.heappush(pq, (ll + i[0], tt + i[1], i[2]))
    print(-1)


cs07735()
```

01182:食物链

```
def cs01182():

    n, k = map(int, input().split())

    ans = 0
```

```python
dct = {}
for _ in range(k):
    tag, x, y = map(int, input().split())
    if x > n or y > n or x == y and tag == 2:
        ans += 1
    else:
        xx, yy = 0, 0
        while x in dct:
            xx = (xx + dct[x][1]) % 3
            x = dct[x][0]
        while y in dct:
            yy = (yy + dct[y][1]) % 3
            y = dct[y][0]
        if x != y:
            dct[y] = (x, (xx - yy + tag + 2) % 3)
        elif (xx - yy + tag + 2) % 3:
            ans += 1
print(ans)
```

状态: Accepted

源代码

```python
def cs01182():
    n, k = map(int, input().split())
    ans = 0
    dct = {}
    for _ in range(k):
        tag, x, y = map(int, input().split())
        if x > n or y > n or x == y and tag == 2:
            ans += 1
        else:
            xx, yy = 0, 0
            while x in dct:
                xx = (xx + dct[x][1]) % 3
                x = dct[x][0]
            while y in dct:
                yy = (yy + dct[y][1]) % 3
                y = dct[y][0]
            if x != y:
                dct[y] = (x, (xx - yy + tag + 2) % 3)
            elif (xx - yy + tag + 2) % 3:
                ans += 1
    print(ans)


cs01182()
```

总结: 道路和月度开销做得灰头土脸, 月度开销后来是看题解了, 实在想不到二分。其他还过得去。预祝自己机考顺利吧