BCSE308P COMPUTER NETWORKS
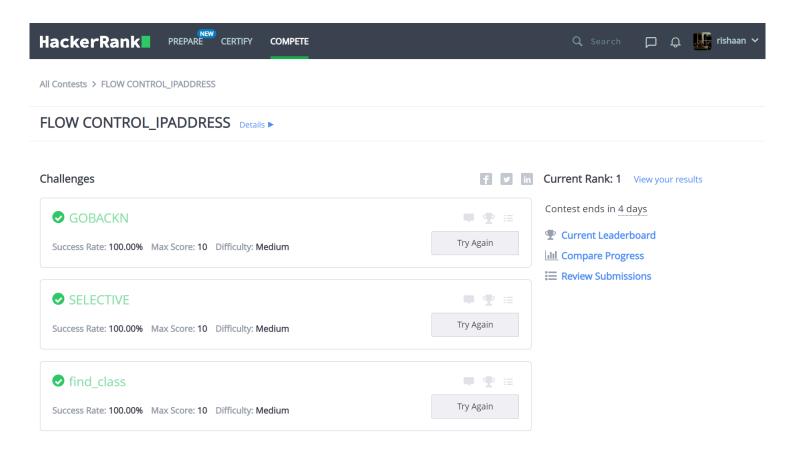
ASSIGNMENT

NAME: RISHAAN JACOB KURIAKOSE   REG. NO.: 21BPS1394
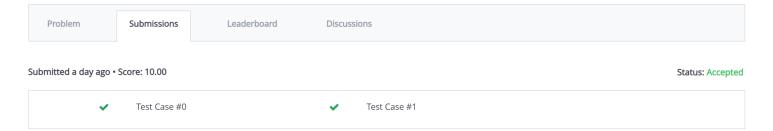
FLOW CONTROL AND IP ADDRESS

All Contests › FLOW CONTROL_IPADDRESS

FLOW CONTROL_IPADDRESS   Details ▶

Challenges

🅕 🅣 🅛   **Current Rank: 1**   View your results

Contest ends in 4 days

✅ **GOBACKN**

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Try Again

🏆 **Current Leaderboard**

Success Rate: **100.00%**   Max Score: **10**   Difficulty: **Medium**

📊 **Compare Progress**

☰ **Review Submissions**

✅ **SELECTIVE**

💬 🏆 ☰

Try Again

Success Rate: **100.00%**   Max Score: **10**   Difficulty: **Medium**

✅ **find_class**

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Try Again

Success Rate: **100.00%**   Max Score: **10**   Difficulty: **Medium**

1. Go-Back-N Protocol

GOBACKN

Problem	Submissions	Leaderboard	Discussions

Submitted a day ago • Score: 10.00   Status: Accepted

✔ Test Case #0	✔ Test Case #1

Submitted Code

Language: Python 3   ⑂ Open in editor

```python
for i in range(int(input())):
    m, sf, sn, e1, e2, e3 = map(int, input().split())
    if e2 > 0:
        if (sn + e2 - sf) < 2 ** m - 1:
            sn += e2
        else:
            sn = 2 ** m - 1 + sf
    elif e3 > 0:
        if e3 >= sf:
            sf = e3
    print(sf, sn)
```

2. Selective Repeat Protocol

SELECTIVE

Problem	Submissions	Leaderboard	Discussions

Submitted an hour ago • Score: 10.00   Status: Accepted

✔ Test Case #0	✔ Test Case #1

Submitted Code

Language: Python 3   ⑂ Open in editor

```python
for i in range(int(input())):
    m, sf, sn, e1, e2, e3 = map(int, input().split())
    if e1:
        sf = e1
    elif e2:
        if (sn + e2 - sf) <= 2 ** (m - 1):
            sn += e2
        else:
            sn = 2 ** (m - 1) + sf
    elif e3:
        if e3 > 0:
            sf = e3
        else:
            sf = - e3
    print(sf, sn)
```

3. Find IP Class

find_class

Problem	Submissions	Leaderboard	Discussions

Submitted 2 days ago • Score: 10.00   Status: Accepted

✔ Test Case #0	✔ Test Case #1	✔ Test Case #2

Submitted Code

Language: Python 3   ⅄ Open in editor

```python
import re
ip = input()
if re.match(r'^((\d|[1-9]\d|1\d\d|2[0-4]\d|25[0-5])\.){3}(\d|[1-9]\d|1\d\d|2[0-4]\d|25[0-5])$', ip):
    n = int(ip[:2])
    print("Valid")
    if n < 128:
        print("A")
    elif n < 192:
        print("B")
    elif n < 224:
        print("C")
    else:
        print("D")
else:
    print("Invalid")
```