Activities Brave Web Browser Fri 13:05

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techgig.com/codegladiators/question/Yk1oWlhSL3lkWlkveWF1Tm5pRzA3RDNLcXRVeVNYUFc0Y2dxZ2dCZ2M5SHNBWUxoN1NWcXBWcU54ZUZMeXhJVw==/1?msg_type=1

The ultimate g... Cisco Webex...

Open Coding Round - Problem 2

Instructions Help

Time: 01:28 / 03:00:00

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Problem Statement | Discussions | My Submissions

Beyblade World Championship (100 Marks)

Tyson is all prepared for the Beyblade World Championship. The tournament is team-based and each team can have N members. A player can fight against a single player only. Team G-Revolution is all excited and pumped up as they have practised a lot. Kenny, the mind of team G-Revolution, has created a database where he has the data about the power of other teams' members and his own team members. The tournament is going to start in some time and Kenny moves to the cafeteria to have a snack before the competition.

The team G-Revolution is to fight in some time and they are tensed up as someone has kidnapped Kenny from the cafeteria. They have made a police complaint and the police are searching for Kenny. Luckily, they have found his device with all the data. The problem is, the data is present randomly and not in the order they have to fight the opponent. Team G-Revolution wants to win at any cost and for that, they need the order in which they have to fight optimally to win the maximum number of battles.

A player can win only when his/her beyblade power is strictly greater than the opponents beyblade power.

Example:
Consider the team size is 3, N = 3

The 3 players of both the teams are shown with their beyblade powers.

C (gcc 8.2.0)

```c
/* Read input from STDIN. Print your output to STDOUT*/
#include<stdio.h>
int main(int argc, char *a[])
{
    //Write code here
}

```

Custom Input

Compile & Run Submit Code

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Open Coding Round - Problem 2

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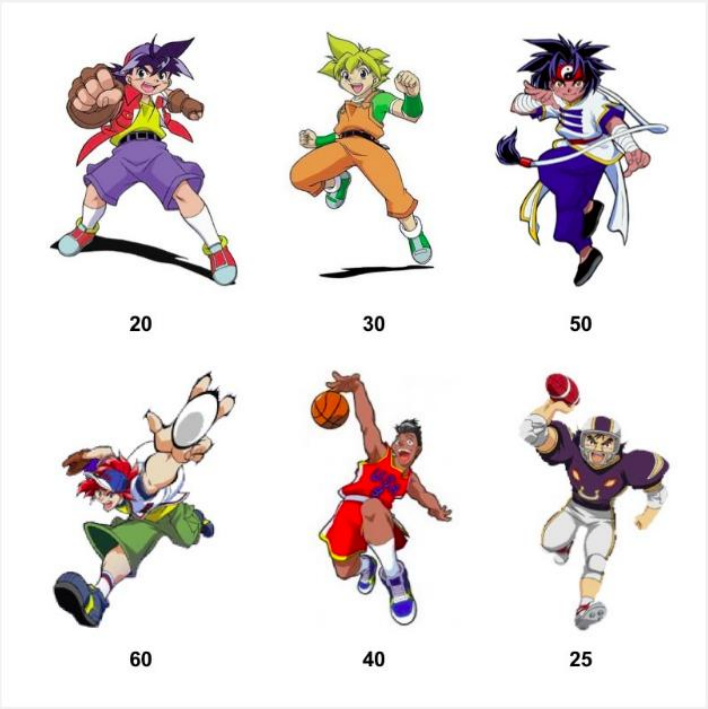
The 3 players of both the teams are shown with their beyblade powers.



Team G-Revolution is presented in the order: Tyson, Max, Ray
Team All Starz is presented in the order: Michael, Eddy, Steve

With the given arrangement, Team G-Revolution would be able to win only 1 fight. Team G-Revolution should be shuffled in an optimal manner as below:

C (gcc 8.2.0)

```c
/* Read input from STDIN. Print your output to STDOUT*/
#include<stdio.h>
int main(int argc, char *a[])
{
    //Write code here
}

```

Custom Input

Compile & Run Submit Code

Activities Brave Web Browser Fri 13:06

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techgig.com/codegladiators/question/Yk1oWlhSL3lkWlkveWF1Tm5pRzA3RDNLcXRVeVNYUFc0Y2dxZ2dCZ2M5SHNBWUxoN1NWcXBWcU54ZUZMeXhJVw==/1?msg_type=1

The ultimate g... Cisco Webex...

Open Coding Round - Problem 2

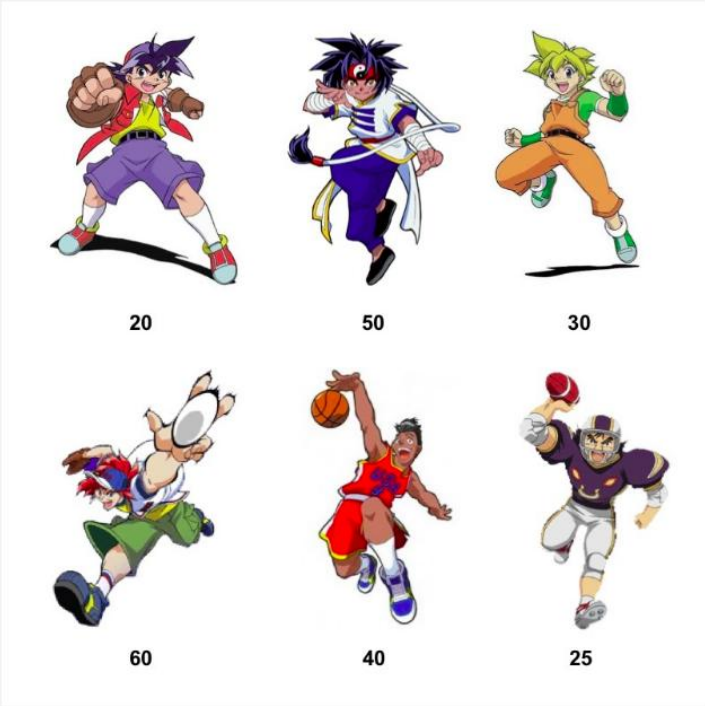
Instructions Help

Time: 01:44 / 03:00:00

Submit

Team All Starz is presented in the order: Michael, Eddy, Steve

With the given arrangement, Team G-Revolution would be able to win only 1 fight. Team G-Revolution should be shuffled in an optimal manner as below:



The maximum number of fights Team G-Revolution can win is 2 when they are arranged optimally or fight in an optimal order.

Team G-Revolution needs help with the device. Tyson has heard about your skills and called you up to help them shuffle their positions in an order such that they would be able to win the maximum number of fights. Can you help Tyson and Team G-Revolution?

Input Format

C (gcc 8.2.0)

```c
/* Read input from STDIN. Print your output to STDOUT*/
#include<stdio.h>
int main(int argc, char *a[])
{
    //Write code here
}
```

Custom Input

Compile & Run

Submit Code

Open Coding Round - Problem 2

Instructions Help

Time: 01:53 / 03:00:00

Submit

Input Format

The first line of input consists of the number of test cases, T
The first line of each test case consists of the number of members each team can have, N.
The second line of each test case consists of N space-separated integers representing the power of beyblades of Team G-Revolution members.
The third line of each test case consists of N space-separated integers representing the power of beyblades of opponent team members.

Constraints

1<= T <=100000
1<= N <=100000
0<= Power of Beyblade <= LLONG_MAX

Output Format

For each test case, print the maximum number of fights Team G-Revolution can win if they go to fight in an optimal manner.

Sample TestCase 1

Input

```
1
10
3 6 7 5 3 5 6 2 9 1
2 7 0 9 3 6 0 6 2 6
```

Output

```
7
```

Sample TestCase 2

Input

```
10
481
28013 18171 19169 15795 6429 7405 31298 26402 5208 27108 26537 29003 4349 27599 7828 10696 5649 32310 31420 29307 242
52 3371 7996 27682 10900 13437 26868 12075 25375 24366 24624 1737 14994 31527 28037 25159 10207 5419 22012 28829 2558
3 28938 17011 6721 19500 29207 22079 19775 20035 26587 6422 20364 16680 4875 14381 2967 20314 30392 25245 2850 22120 1
8886 17675 5200 24500 7327 26760 7423 5751 1832 30902 2135 24325 29429 13612 25251 29523 21945 4636 3936 10422 28672 1
```

C (gcc 8.2.0)

```c
/* Read input from STDIN. Print your output to STDOUT*/
#include<stdio.h>
int main(int argc, char *a[])
{
    //Write code here
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```

Custom Input

Compile & Run Submit Code