

Coding Arena

Time Left

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A B C D E F G H

Rules & Regulations**Launch Code Editor****Problem : ISL Schedule**

The Indian Soccer League (ISL) is an annual football tournament.

The group stage of ISL features **N** teams playing against each other with following set of rules:

1. **N** teams play against each other twice - once at Home and once Away
2. A team can play only one match per day
3. A team cannot play matches on consecutive days
4. A team cannot play more than two back to back Home or Away matches
5. Number of matches in a day has following constraints
 - The match pattern that needs to be followed is -
 - Day 1 has two matches and Day 2 has one match,
 - Day 3 has two matches and Day 4 has one match and so on
 - There can never be 3 or more matches in a day
6. Gap between two successive matches of a team cannot exceed $\text{floor}(N/2)$ days where floor is the mathematical function floor()
7. Derby Matches (any one)
 - At least half of the derby matches should be on weekend
 - At least half of the weekend matches should be derby matches

Your task is to generate a schedule abiding to above rules.

Input Format:

First line contains number of teams (**N**).

Next line contains state ID of teams, delimited by space

Output Format:

Match format: **Ta-vs-Tb**

where **Ta** is the home team with id **a** and **Tb** is the away team with id **b**.

For each day print the match(es) in following format:-

- Two matches:- "**#D Ta-vs-Tb Tm-vs-Tn**"
- One match:- "**#D Tx-vs-Ty**"

where D is the day id and [a, b, m, n, x, y] are team ids.

Constraints:

1. **8 ≤ N ≤ 100**

Note :

- Team ids are unique and have value between 1 to N
- Day id starts with 1
- Every 6th and 7th day are weekends
- Derby is a football match between two teams from the same state

Sample Input and Output

SNo.	Input	Output
1	8 1 2 5 4 3 1 6 6	#1 T1-vs-T6 T3-vs-T5 #2 T7-vs-T4 #3... and so on

Note:- There can be multiple correct answers for the same test cases. For better understanding of test case refer this

[PDF](#). This PDF contains one of the correct answer for a test case.

Explanation:

There are 8 teams with following information:-

Team ID	1	2	3	4	5	6	7	8
State ID	1	2	5	4	3	1	6	6

Note:

Please do not use package and namespace in your code. For object oriented languages your code should be written in one class.

Note:

Participants submitting solutions in C language should not use functions from `<conio.h>` / `<process.h>` as these files do not exist in gcc

Note:

For C and C++, return type of `main()` function should be `int`.

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☐ I, **NEELAKANDAN OBLA** confirm that the answer submitted is my own.

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