NED CP Group Rules

Before starting the curriculum, all members must adhere to the following community standards:

1. We will hold one mandatory weekly contest every **Saturday from 9:30 PM to 10:30 PM**.

   If timing conflicts arise, a WhatsApp poll will be conducted to finalize the slot.

2. Consistency is mandatory. If a member misses **3-consecutive contests**, they will be removed from the group.
3. Using AI for logic-building or any unnecessary help is strictly prohibited. Multiple offences could lead to public call-out in group OR potential removal.

Try to solve corresponding week's topic some questions from Codeforces, CSES or other CP-sites. We are here to improve our skills and work toward representing a NED at ICPC and winning someday.

Suggestion?

To ensure no one is left behind, we will introduce a collaborative learning phase:

- **Upsolving Sessions**: If the group appreciates the idea of upsolving basic questions after the contest, we will poll for the most demanded review Q and then will host live sessions. A core member will lead these sessions via "Google Meet" to explain the logic and walkthrough the code.

These sessions are designed to help the new batch excel and rise to the same level or beyond their seniors.

CP Contests Roadmap

This roadmap is designed to ensure the new batch builds a solid foundation before moving into advanced topics.

Starting from the 2nd topic, a **practice contest** will be held each week after completing that topic for revision purpose.

Week	Topics	Problem Types
Week 1	Time Complexity & Math Basics	Big O analysis, GCD/LCM, Primes, Sieve.

Week 2-3	STL Containers, Strings & Frequency Arrays	Anagrams, Vectors, Sets and HashMap techniques.
Week 5-6	Prefix/Diff arrays, Two Pointers	Range sum queries, subarrays, count in range
Week 8-9	Sorting & Greedy Algorithms	Custom Comparators, Scheduling and Interval Merging.
Week 11-12	Binary Search with variations	Lower/Upper bounds, Binary Search on Answers, and Pair Sums.

Upcoming topics will be discussed afterwards. Thanks!