Coder's Club Chapter #02 Resource

By *Precizne*, 09 February 2024 14:39

Videos

Greedy Algorithms

Mastering CodeForces Greedy Problems | CodeForces Live Problem Solving | Session 1 | Yash Dwivedi
First Problem : https://codeforces.com/contest/1452/problem/C
Code for First Problem : https://ide.geeksforgeeks.org/TxEVaWR1do
Second Problem : https://codeforces.com/contest/1353/problem/A
▶ https://www.youtube.com/watch?v=x0hjiHKbnK4&list=PLYq9cO5NQG9sR4f-9Bl3qDyRx0HBgsClx&index=1

Constructive Algorithms

https://www.youtube.com/watch?v=3D3XKJonua0

https://www.youtube.com/playlist?list=PL-Jc9J83PIiGRNj_KILSAuhvAHS4_4Y5N

Links in the Description provide further details

Reference Books and Materials

CP 1 - Guide to Competitive Programming.pdf

- https://codeforces.com/blog/entry/91363
- https://usaco.guide/bronze/intro-greedy
- https://usaco.guide/silver/greedy-sorting
- https://usaco.guide/bronze/ad-hoc
- https://usaco.guide/bronze/intro-complete
- https://usaco.guide/bronze/complete-rec

Greedy Algorithms

- https://www.geeksforgeeks.org/introduction-to-greedy-algorithm-data-structures-and-algorithm-tutorials
- https://www.geeksforgeeks.org/greedy-algorithms

Constructive Algorithms

cast.pdf

- Constructive Algorithms don't require much theoretical knowledge
- Good observation, math and pattern recognition skills do help with such questions
- Just practice and practice... the more questions you solve, the more patterns you will see

Brute Force Algorithms

- https://www.geeksforgeeks.org/brute-force-approach-and-its-pros-and-cons
- https://codeforces.com/blog/entry/67714

Questions

- Greedy Algorithms

  - https://codeforces.com/problemset/problem/1895/B
  - https://codeforces.com/problemset/problem/1876/A
  - https://codeforces.com/problemset/problem/1864/B
  - https://codeforces.com/problemset/problem/1914/D
  - https://codeforces.com/problemset/problem/1882/B
  - https://codeforces.com/problemset/problem/1896/C
  - https://codeforces.com/problemset/problem/1792/C

- Constructive Algorithms

  - https://codeforces.com/problemset/problem/1909/B
  - https://codeforces.com/problemset/problem/1902/C
  - https://codeforces.com/problemset/problem/1909/C
  - https://codeforces.com/problemset/problem/1630/A
  - https://codeforces.com/problemset/problem/1801/A
  - https://codeforces.com/problemset/problem/1889/B

- Brute Force Algorithms

  - https://codeforces.com/problemset/problem/1881/C

- https://codeforces.com/problemset/problem/1493/B
- https://codeforces.com/problemset/problem/1895/C
- https://codeforces.com/problemset/problem/1732/D1
- https://codeforces.com/problemset/problem/1703/G

Note:

- Material has contents ranging from simple to medium difficulty, kindly give everything a try
- Kindly fill out this form as feedback to improve upcoming materials https://forms.gle/C687bxpb6odYd6R48