

120-Day Competitive Programming

Domination Plan

Target: Master avoided topics through CodeForces/AtCoder/CSES

Intensity: No mercy mode activated 🔥

DAY 1 (Weekday: 2-3 hrs)

Focus: Game Theory Basics - Nim Game

Problems:

1. **CSES - Stick Game** (<https://cses.fi/problemset/task/1729>)
2. **CodeForces 1451C - String Equality** (<https://codeforces.com/problemset/problem/1451/C>)

Black Book Template:

- Problem:
 - Type/Pattern:
 - Key Observation:
 - Invariant:
 - Why brute fails:
 - Final approach:
 - Mistake I made:
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DAY 2 (Weekday: 2-3 hrs)

Focus: Game Theory - Grundy Numbers

Problems:

1. **CSES - Nim Game I** (<https://cses.fi/problemset/task/1730>)
 2. **CodeForces 768B - Code For 1** (<https://codeforces.com/problemset/problem/768/B>)
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DAY 3 (Weekday: 2-3 hrs)

Focus: Game Theory - Misère Nim

Problems:

1. **CSES - Nim Game II** (<https://cses.fi/problemset/task/1098>)
 2. **CodeForces 1033C - Permutation Game** (<https://codeforces.com/problemset/problem/1033/C>)
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DAY 4 (Weekday: 2-3 hrs)

Focus: Greedy - Activity Selection Pattern

Problems:

1. **CSES - Movie Festival** (<https://cses.fi/problemset/task/1629>)
 2. **CodeForces 1443C - The Delivery Dilemma**
(<https://codeforces.com/problemset/problem/1443/C>)
 3. **AtCoder ABC294-D - Bank** (https://atcoder.jp/contests/abc294/tasks/abc294_d)
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DAY 5 (Weekday: 2-3 hrs)

Focus: Greedy - Sorting + Exchange Arguments

Problems:

1. **CSES - Tasks and Deadlines** (<https://cses.fi/problemset/task/1630>)
 2. **CodeForces 1574C - Slay the Dragon** (<https://codeforces.com/problemset/problem/1574/C>)
 3. **CodeForces 1538C - Number of Pairs** (<https://codeforces.com/problemset/problem/1538/C>)
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DAY 6 (Weekend: 5-6 hrs)

Focus: Greedy - Minimizing Maximum/Maximizing Minimum

Problems:

1. **CSES - Reading Books** (<https://cses.fi/problemset/task/1631>)
 2. **CodeForces 1633C - Kill the Monster** (<https://codeforces.com/problemset/problem/1633/C>)
 3. **CodeForces 1461D - Divide and Summarize**
(<https://codeforces.com/problemset/problem/1461/D>)
 4. **AtCoder ABC267-D - Index × A(Not Continuous ver.)**
(https://atcoder.jp/contests/abc267/tasks/abc267_d)
 5. **CodeForces 1375C - Element Extermination**
(<https://codeforces.com/problemset/problem/1375/C>)
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DAY 7 (Weekend: 5–6 hrs)

Focus: Combinatorics - Counting Basics

Problems:

1. **CSES - Counting Towers** (<https://cses.fi/problemset/task/2413>)
 2. **CodeForces 1342C - Yet Another Counting Problem**
(<https://codeforces.com/problemset/problem/1342/C>)
 3. **AtCoder ABC275-D - Yet Another Recursive Function**
(https://atcoder.jp/contests/abc275/tasks/abc275_d)
 4. **CodeForces 1647C - Madoka and Childish Pranks**
(<https://codeforces.com/problemset/problem/1647/C>)
 5. **CSES - Creating Strings II** (<https://cses.fi/problemset/task/1715>)
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DAY 8 (Weekday: 2–3 hrs)

Focus: Combinatorics - Stars and Bars

Problems:

1. **CSES - Distributing Apples** (<https://cses.fi/problemset/task/1716>)
 2. **CodeForces 1462E1 - Close Tuples (easy version)**
(<https://codeforces.com/problemset/problem/1462/E1>)
 3. **AtCoder ABC221-D - Online games** (https://atcoder.jp/contests/abc221/tasks/abc221_d)
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DAY 9 (Weekday: 2–3 hrs)

Focus: Combinatorics - Inclusion-Exclusion

Problems:

1. **CSES - Counting Coprime Pairs** (<https://cses.fi/problemset/task/2417>)
 2. **CodeForces 896C - Willem, Chtholly and Seniorious**
(<https://codeforces.com/problemset/problem/896/C>)
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DAY 10 (Weekday: 2-3 hrs)

Focus: Shortest Path - Dijkstra's Algorithm

Problems:

1. **CSES - Shortest Routes I** (<https://cses.fi/problemset/task/1671>)
 2. **CodeForces 1915F - Greetings** (<https://codeforces.com/problemset/problem/1915/F>)
 3. **AtCoder ABC362-D - Shortest Path 3** (https://atcoder.jp/contests/abc362/tasks/abc362_d)
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DAY 11 (Weekday: 2-3 hrs)

Focus: Shortest Path - Bellman-Ford (Negative edges)

Problems:

1. **CSES - High Score** (<https://cses.fi/problemset/task/1673>)
 2. **CodeForces 1dijkstra** (<https://codeforces.com/problemset/problem/20/C>)
 3. **CSES - Cycle Finding** (<https://cses.fi/problemset/task/1197>)
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DAY 12 (Weekday: 2-3 hrs)

Focus: Shortest Path - 0-1 BFS

Problems:

1. **CSES - Labyrinth** (<https://cses.fi/problemset/task/1193>)
2. **CodeForces 1063B - Labyrinth** (<https://codeforces.com/problemset/problem/1063/B>)
3. **AtCoder ABC246-D - 2-variable Function** (https://atcoder.jp/contests/abc246/tasks/abc246_d)

DAY 13 (Weekend: 5-6 hrs)

Focus: Shortest Path - Multi-source BFS + State-space

Problems:

1. **CSES - Monsters** (<https://cses.fi/problemset/task/1194>)
 2. **CodeForces 242C - King's Path** (<https://codeforces.com/problemset/problem/242/C>)
 3. **CodeForces 1093D - Beautiful Graph** (<https://codeforces.com/problemset/problem/1093/D>)
 4. **AtCoder ABC213-D - Takahashi Tour** (https://atcoder.jp/contests/abc213/tasks/abc213_d)
 5. **CodeForces 1547G - How Many Paths?** (<https://codeforces.com/problemset/problem/1547/G>)
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DAY 14 (Weekend: 5-6 hrs)

Focus: MST - Prim's Algorithm

Problems:

1. **CSES - Road Reparation** (<https://cses.fi/problemset/task/1675>)
 2. **CodeForces 1245D - Shichikuji and Power Grid**
(<https://codeforces.com/problemset/problem/1245/D>)
 3. **AtCoder ABC218-D - Rectangles** (https://atcoder.jp/contests/abc218/tasks/abc218_d)
 4. **CodeForces 1513C - Add One** (<https://codeforces.com/problemset/problem/1513/C>)
 5. **CSES - Road Construction** (<https://cses.fi/problemset/task/1676>)
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DAY 15 (Weekday: 2-3 hrs)

Focus: MST - Kruskal's + DSU

Problems:

1. **CSES - Road Reparation** (<https://cses.fi/problemset/task/1675>) [Solve with Kruskal]
 2. **CodeForces 1468J - Road Reform** (<https://codeforces.com/problemset/problem/1468/J>)
 3. **AtCoder ABC235-D - Multiply and Rotate** (https://atcoder.jp/contests/abc235/tasks/abc235_d)
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DAY 16 (Weekday: 2-3 hrs)

Focus: Graph Coloring - Bipartite Check

Problems:

1. **CSES - Building Teams** (<https://cses.fi/problemset/task/1668>)
 2. **CodeForces 1176E - Cover it!** (<https://codeforces.com/problemset/problem/1176/E>)
 3. **AtCoder ABC327-D - Good Tuple Problem** (https://atcoder.jp/contests/abc327/tasks/abc327_d)
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DAY 17 (Weekday: 2-3 hrs)

Focus: Graph Coloring - K-coloring

Problems:

1. **CodeForces 1594D - The Number of Imposters**
(<https://codeforces.com/problemset/problem/1594/D>)
 2. **CodeForces 662C - Binary Table** (<https://codeforces.com/problemset/problem/662/C>)
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DAY 18 (Weekday: 2-3 hrs)

Focus: Segment Tree - Point Update Range Query

Problems:

1. **CSES - Range Sum Queries II** (<https://cses.fi/problemset/task/1648>)
 2. **CSES - Range Minimum Queries II** (<https://cses.fi/problemset/task/1649>)
 3. **CodeForces 339D - Xenia and Bit Operations**
(<https://codeforces.com/problemset/problem/339/D>)
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DAY 19 (Weekday: 2-3 hrs)

Focus: Segment Tree - Range Update Point Query

Problems:

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1. **CSES - Range Update Queries** (<https://cses.fi/problemset/task/1651>)
 2. **CodeForces 52C - Circular RMQ** (<https://codeforces.com/problemset/problem/52/C>)
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DAY 20 (Weekend: 5-6 hrs)

Focus: Segment Tree - Lazy Propagation

Problems:

1. **CSES - Range Updates and Sums** (<https://cses.fi/problemset/task/1735>)
 2. **CodeForces 474F - Ant colony** (<https://codeforces.com/problemset/problem/474/F>)
 3. **CodeForces 380C - Sereja and Brackets** (<https://codeforces.com/problemset/problem/380/C>)
 4. **AtCoder ABC371-F - Takahashi in Narrow Road**
(https://atcoder.jp/contests/abc371/tasks/abc371_f)
 5. **CodeForces 1567E - Non-Decreasing Dilemma**
(<https://codeforces.com/problemset/problem/1567/E>)
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DAY 21 (Weekend: 5-6 hrs)

Focus: Segment Tree - Advanced Applications

Problems:

1. **CSES - Polynomial Queries** (<https://cses.fi/problemset/task/1736>)
 2. **CodeForces 1557D - Ezzat and Grid** (<https://codeforces.com/problemset/problem/1557/D>)
 3. **CodeForces 1354D - Multiset** (<https://codeforces.com/problemset/problem/1354/D>)
 4. **CSES - Range Queries and Copies** (<https://cses.fi/problemset/task/1737>)
 5. **CodeForces 817F - MEX Queries** (<https://codeforces.com/problemset/problem/817/F>)
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DAY 22 (Weekday: 2-3 hrs)

Focus: Constructive - Find Satisfying Answer Pattern

Problems:

1. **CodeForces 1742F - Smaller** (<https://codeforces.com/problemset/problem/1742/F>)

2. **CodeForces 1353D - Constructing the Array**

(<https://codeforces.com/problemset/problem/1353/D>)

3. **AtCoder ABC282-D - Make Bipartite 2** (https://atcoder.jp/contests/abc282/tasks/abc282_d)

DAY 23 (Weekday: 2-3 hrs)

Focus: Constructive - Existence Proofs

Problems:

1. **CodeForces 1516C - Baby Ehab Partitions Again**

(<https://codeforces.com/problemset/problem/1516/C>)

2. **CodeForces 1335E2 - Three Blocks Palaces (hard version)**

(<https://codeforces.com/problemset/problem/1335/E2>)

DAY 24 (Weekday: 2-3 hrs)

Focus: Constructive - Operation Reversal

Problems:

1. **CodeForces 1654C - Alice and the Cake** (<https://codeforces.com/problemset/problem/1654/C>)

2. **CodeForces 1157E - Minimum Array** (<https://codeforces.com/problemset/problem/1157/E>)

3. **AtCoder ABC361-E - Tree and Hamilton Path 2**

(https://atcoder.jp/contests/abc361/tasks/abc361_e)

DAY 25 (Weekday: 2-3 hrs)

Focus: Game Theory - Sprague-Grundy Theorem

Problems:

1. **CSES - Grundy's Game** (<https://cses.fi/problemset/task/2207>)

2. **CodeForces 1033C - Permutation Game** (<https://codeforces.com/problemset/problem/1033/C>)

DAY 26 (Weekday: 2-3 hrs)

Focus: Game Theory - Composite Games

Problems:

1. **CSES - Another Game** (<https://cses.fi/problemset/task/2208>)
 2. **CodeForces 138C - Mushroom Gnomes - 2** (<https://codeforces.com/problemset/problem/138/C>)
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DAY 27 (Weekend: 5-6 hrs)

Focus: Greedy - Two Pointers Advanced

Problems:

1. **CSES - Sum of Three Values** (<https://cses.fi/problemset/task/1641>)
 2. **CodeForces 1462E2 - Close Tuples (hard version)**
(<https://codeforces.com/problemset/problem/1462/E2>)
 3. **CodeForces 1535D - Playoff Tournament** (<https://codeforces.com/problemset/problem/1535/D>)
 4. **AtCoder ABC318-D - General Weighted Max Matching**
(https://atcoder.jp/contests/abc318/tasks/abc318_d)
 5. **CodeForces 1622C - Set or Decrease** (<https://codeforces.com/problemset/problem/1622/C>)
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DAY 28 (Weekend: 5-6 hrs)

Focus: Greedy - Median Trick

Problems:

1. **CodeForces 1486D - Max Median** (<https://codeforces.com/problemset/problem/1486/D>)
 2. **CodeForces 1201C - Maximum Median** (<https://codeforces.com/problemset/problem/1201/C>)
 3. **AtCoder ABC281-D - Max Multiple** (https://atcoder.jp/contests/abc281/tasks/abc281_d)
 4. **CodeForces 1619E - MEX and Increments** (<https://codeforces.com/problemset/problem/1619/E>)
 5. **CodeForces 1521C - Nastia and a Hidden Permutation**
(<https://codeforces.com/problemset/problem/1521/C>)
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DAY 29 (Weekday: 2-3 hrs)

Focus: Combinatorics - Derangements

Problems:

1. **CSES - Counting Necklaces** (<https://cses.fi/problemset/task/2209>)
 2. **CodeForces 1228C - Primes and Multiplication**
(<https://codeforces.com/problemset/problem/1228/C>)
 3. **AtCoder ABC213-E - Stronger Takahashi** (https://atcoder.jp/contests/abc213/tasks/abc213_e)
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DAY 30 (Weekday: 2-3 hrs)

Focus: Combinatorics - Burnside's Lemma

Problems:

1. **CodeForces 1228E - Another Filling the Grid**
(<https://codeforces.com/problemset/problem/1228/E>)
 2. **CodeForces 1342D - Multiple Testcases** (<https://codeforces.com/problemset/problem/1342/D>)
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DAY 31 (Weekday: 2-3 hrs)

Focus: Shortest Path - Floyd-Warshall

Problems:

1. **CSES - Shortest Routes II** (<https://cses.fi/problemset/task/1672>)
 2. **CodeForces 295B - Greg and Graph** (<https://codeforces.com/problemset/problem/295/B>)
 3. **AtCoder ABC286-E - Souvenir** (https://atcoder.jp/contests/abc286/tasks/abc286_e)
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DAY 32 (Weekday: 2-3 hrs)

Focus: Shortest Path - A* Search

Problems:

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1. **CodeForces 1102E - Monotonic Renumeration**
(<https://codeforces.com/problemset/problem/1102/E>)
 2. **CSES - Investigation** (<https://cses.fi/problemset/task/1202>)
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DAY 33 (Weekday: 2-3 hrs)

Focus: Graph - Topological Sort with Conditions

Problems:

1. **CSES - Course Schedule** (<https://cses.fi/problemset/task/1679>)
 2. **CSES - Longest Flight Route** (<https://cses.fi/problemset/task/1680>)
 3. **CodeForces 1385E - Directing Edges** (<https://codeforces.com/problemset/problem/1385/E>)
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DAY 34 (Weekend: 5-6 hrs)

Focus: DP on Trees

Problems:

1. **CSES - Tree Distances I** (<https://cses.fi/problemset/task/1132>)
 2. **CSES - Tree Distances II** (<https://cses.fi/problemset/task/1133>)
 3. **CodeForces 1490F - Equalize the Array** (<https://codeforces.com/problemset/problem/1490/F>)
 4. **AtCoder ABC220-F - Distance Sums 2** (https://atcoder.jp/contests/abc220/tasks/abc220_f)
 5. **CodeForces 1324F - Maximum White Subtree**
(<https://codeforces.com/problemset/problem/1324/F>)
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DAY 35 (Weekend: 5-6 hrs)

Focus: Binary Lifting - LCA

Problems:

1. **CSES - Company Queries I** (<https://cses.fi/problemset/task/1687>)
2. **CSES - Company Queries II** (<https://cses.fi/problemset/task/1688>)
3. **CSES - Distance Queries** (<https://cses.fi/problemset/task/1135>)

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- 4. **CodeForces 519E - A and B and Lecture Rooms**
(<https://codeforces.com/problemset/problem/519/E>)
 - 5. **AtCoder ABC267-E - Erasing Vertices 2** (https://atcoder.jp/contests/abc267/tasks/abc267_e)
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DAY 36 (Weekday: 2-3 hrs)

Focus: Fenwick Tree (BIT) - Range Sum

Problems:

- 1. **CSES - Range Update Queries** (<https://cses.fi/problemset/task/1651>)
 - 2. **CodeForces 1626D - Martial Arts Tournament**
(<https://codeforces.com/problemset/problem/1626/D>)
 - 3. **AtCoder ABC241-E - Putting Candies** (https://atcoder.jp/contests/abc241/tasks/abc241_e)
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DAY 37 (Weekday: 2-3 hrs)

Focus: Fenwick Tree - 2D BIT

Problems:

- 1. **CSES - Forest Queries II** (<https://cses.fi/problemset/task/1739>)
 - 2. **CodeForces 1093E - Intersection of Permutations**
(<https://codeforces.com/problemset/problem/1093/E>)
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DAY 38 (Weekday: 2-3 hrs)

Focus: Greedy - Scheduling Problems

Problems:

- 1. **CSES - Movie Festival II** (<https://cses.fi/problemset/task/1632>)
 - 2. **CodeForces 1353E - K-periodic Garland** (<https://codeforces.com/problemset/problem/1353/E>)
 - 3. **AtCoder ABC317-E - Avoid Eye Contact** (https://atcoder.jp/contests/abc317/tasks/abc317_e)
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DAY 39 (Weekday: 2-3 hrs)

Focus: Greedy - Sliding Window Maximization

Problems:

1. **CSES - Sliding Window Median** (<https://cses.fi/problemset/task/1076>)
 2. **CodeForces 1156E - Special Segments of Permutation**
(<https://codeforces.com/problemset/problem/1156/E>)
 3. **CodeForces 1537E2 - Erase and Extend (Hard Version)**
(<https://codeforces.com/problemset/problem/1537/E2>)
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DAY 40 (Weekday: 2-3 hrs)

Focus: Constructive - Invariants and Parity

Problems:

1. **CodeForces 1582D - Vupsen, Pupsen and 0**
(<https://codeforces.com/problemset/problem/1582/D>)
 2. **CodeForces 1343D - Constant Palindrome Sum**
(<https://codeforces.com/problemset/problem/1343/D>)
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DAY 41 (Weekend: 5-6 hrs)

Focus: Combinatorics - Binomial Coefficients

Problems:

1. **CSES - Binomial Coefficients** (<https://cses.fi/problemset/task/1079>)
 2. **CodeForces 1132F - Clear the String** (<https://codeforces.com/problemset/problem/1132/F>)
 3. **AtCoder ABC275-E - Sugoroku 4** (https://atcoder.jp/contests/abc275/tasks/abc275_e)
 4. **CodeForces 1105D - Kilani and the Game** (<https://codeforces.com/problemset/problem/1105/D>)
 5. **CodeForces 1326D2 - Prefix-Suffix Palindrome (Hard version)**
(<https://codeforces.com/problemset/problem/1326/D2>)
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DAY 42 (Weekend: 5-6 hrs)

Focus: Combinatorics - Catalan Numbers

Problems:

1. **CSES - Bracket Sequences I** (<https://cses.fi/problemset/task/2064>)
 2. **CodeForces 855B - Marvolo Gaunt's Ring** (<https://codeforces.com/problemset/problem/855/B>)
 3. **CodeForces 1428E - Carrots for Rabbits** (<https://codeforces.com/problemset/problem/1428/E>)
 4. **AtCoder ABC259-E - LCM on Whiteboard** (https://atcoder.jp/contests/abc259/tasks/abc259_e)
 5. **CodeForces 1527D - MEX Tree** (<https://codeforces.com/problemset/problem/1527/D>)
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DAY 43 (Weekday: 2-3 hrs)

Focus: Heavy-Light Decomposition

Problems:

1. **CSES - Path Queries** (<https://cses.fi/problemset/task/1138>)
 2. **CSES - Path Queries II** (<https://cses.fi/problemset/task/2134>)
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DAY 44 (Weekday: 2-3 hrs)

Focus: Centroid Decomposition

Problems:

1. **CSES - Finding a Centroid** (<https://cses.fi/problemset/task/2079>)
 2. **CodeForces 321C - Ciel the Commander** (<https://codeforces.com/problemset/problem/321/C>)
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DAY 45 (Weekday: 2-3 hrs)

Focus: Sqrt Decomposition

Problems:

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1. **CodeForces 797E - Array Queries** (<https://codeforces.com/problemset/problem/797/E>)
 2. **CodeForces 1207E - XOR Guessing** (<https://codeforces.com/problemset/problem/1207/E>)
 3. **AtCoder ABC218-E - Destruction** (https://atcoder.jp/contests/abc218/tasks/abc218_e)
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DAY 46 (Weekday: 2-3 hrs)

Focus: Mo's Algorithm

Problems:

1. **CodeForces 86D - Powerful array** (<https://codeforces.com/problemset/problem/86/D>)
 2. **CodeForces 617E - XOR and Favorite Number**
(<https://codeforces.com/problemset/problem/617/E>)
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DAY 47 (Weekday: 2-3 hrs)

Focus: Disjoint Set Union – Union by Rank

Problems:

1. **CSES - Road Construction** (<https://cses.fi/problemset/task/1676>)
 2. **CodeForces 1559D1 - Mocha and Diana (Easy Version)**
(<https://codeforces.com/problemset/problem/1559/D1>)
 3. **AtCoder ABC292-E - Transitivity** (https://atcoder.jp/contests/abc292/tasks/abc292_e)
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DAY 48 (Weekend: 5-6 hrs)

Focus: DSU – Rollback / Persistent DSU

Problems:

1. **CodeForces 1386C - Joker** (<https://codeforces.com/problemset/problem/1386/C>)
 2. **CodeForces 1553F - Pairwise Modulo** (<https://codeforces.com/problemset/problem/1553/F>)
 3. **CodeForces 1444B - Divide and Sum** (<https://codeforces.com/problemset/problem/1444/B>)
 4. **AtCoder ABC283-F - Permutation Distance** (https://atcoder.jp/contests/abc283/tasks/abc283_f)
 5. **CodeForces 1217D - Coloring Edges** (<https://codeforces.com/problemset/problem/1217/D>)
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DAY 49 (Weekend: 5-6 hrs)

Focus: String Hashing

Problems:

1. **CSES - String Matching** (<https://cses.fi/problemset/task/1753>)
 2. **CodeForces 1200E - Compress Words** (<https://codeforces.com/problemset/problem/1200/E>)
 3. **CodeForces 1469D - Ceil Divisions** (<https://codeforces.com/problemset/problem/1469/D>)
 4. **AtCoder ABC331-F - Palindrome Query** (https://atcoder.jp/contests/abc331/tasks/abc331_f)
 5. **CodeForces 1418G - Three Occurrences** (<https://codeforces.com/problemset/problem/1418/G>)
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DAY 50 (Weekday: 2-3 hrs)

Focus: KMP Algorithm

Problems:

1. **CSES - Finding Borders** (<https://cses.fi/problemset/task/1732>)
 2. **CSES - Finding Periods** (<https://cses.fi/problemset/task/1733>)
 3. **CodeForces 1500B - Two chandeliers** (<https://codeforces.com/problemset/problem/1500/B>)
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DAY 51 (Weekday: 2-3 hrs)

Focus: Z-Algorithm

Problems:

1. **CSES - String Matching** (<https://cses.fi/problemset/task/1753>) [Solve with Z]
 2. **CodeForces 126B - Password** (<https://codeforces.com/problemset/problem/126/B>)
 3. **AtCoder ABC284-E - Count Simple Paths** (https://atcoder.jp/contests/abc284/tasks/abc284_e)
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DAY 52 (Weekday: 2-3 hrs)

Focus: Trie Data Structure

Problems:

1. **CodeForces 1625D - Binary Spiders** (<https://codeforces.com/problemset/problem/1625/D>)
 2. **CodeForces 1416C - XOR Inverse** (<https://codeforces.com/problemset/problem/1416/C>)
 3. **AtCoder ABC287-E - Karuta** (https://atcoder.jp/contests/abc287/tasks/abc287_e)
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DAY 53 (Weekday: 2-3 hrs)

Focus: Suffix Array

Problems:

1. **CSES - Longest Palindrome** (<https://cses.fi/problemset/task/1111>)
 2. **CodeForces 1073E - Segment Sum** (<https://codeforces.com/problemset/problem/1073/E>)
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DAY 54 (Weekday: 2-3 hrs)

Focus: Aho-Corasick

Problems:

1. **CSES - Finding Patterns** (<https://cses.fi/problemset/task/2102>)
 2. **CodeForces 1437F
 - Emotional Fishermen** (<https://codeforces.com/problemset/problem/1437/F>)
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DAY 55 (Weekend: 5-6 hrs)

Focus: Bitmask DP - Subset Iteration

Problems:

1. **CSES - Hamiltonian Flights** (<https://cses.fi/problemset/task/1690>)
2. **CodeForces 580D - Kefa and Dishes** (<https://codeforces.com/problemset/problem/580/D>)
3. **AtCoder ABC318-E - Sandwiches** (https://atcoder.jp/contests/abc318/tasks/abc318_e)
4. **CodeForces 1102F - Elongated Matrix** (<https://codeforces.com/problemset/problem/1102/F>)
5. **CSES - Counting Tilings** (<https://cses.fi/problemset/task/2181>)

DAY 56 (Weekend: 5-6 hrs)

Focus: DP with Bitmasking - SOS DP

Problems:

1. **CodeForces 165E - Compatible Numbers** (<https://codeforces.com/problemset/problem/165/E>)
 2. **CodeForces 449D - Jzzhu and Numbers** (<https://codeforces.com/problemset/problem/449/D>)
 3. **AtCoder ABC279-F - BOX** (https://atcoder.jp/contests/abc279/tasks/abc279_f)
 4. **CodeForces 1208F - Bits And Pieces** (<https://codeforces.com/problemset/problem/1208/F>)
 5. **CodeForces 1285D - Dr. Evil Underscores** (<https://codeforces.com/problemset/problem/1285/D>)
-

DAY 57 (Weekday: 2-3 hrs)

Focus: Matrix Exponentiation

Problems:

1. **CSES - Fibonacci Numbers** (<https://cses.fi/problemset/task/1722>)
 2. **CSES - Graph Paths I** (<https://cses.fi/problemset/task/1723>)
 3. **CodeForces 1182E - Product Oriented Recurrence**
(<https://codeforces.com/problemset/problem/1182/E>)
-

DAY 58 (Weekday: 2-3 hrs)

Focus: Matrix Exponentiation - Advanced

Problems:

1. **CSES - Graph Paths II** (<https://cses.fi/problemset/task/1724>)
 2. **CodeForces 691E - Xor-sequences** (<https://codeforces.com/problemset/problem/691/E>)
-

DAY 59 (Weekday: 2-3 hrs)

Focus: Manacher's Algorithm

Problems:

1. **CSES - Longest Palindrome** (<https://cses.fi/problemset/task/1111>) [Solve with Manacher]
 2. **CodeForces 1326D2 - Prefix-Suffix Palindrome (Hard version)**
(<https://codeforces.com/problemset/problem/1326/D2>)
 3. **AtCoder ABC283-E - Don't Isolate Elements**
(https://atcoder.jp/contests/abc283/tasks/abc283_e)
-

DAY 60 (Weekday: 2-3 hrs)

Focus: Game Theory - Minimax

Problems:

1. **CodeForces 1527C - Sequence Pair Weight**
(<https://codeforces.com/problemset/problem/1527/C>)
 2. **CodeForces 1436D - Bandit in a City** (<https://codeforces.com/problemset/problem/1436/D>)
-

DAY 61 (Weekday: 2-3 hrs)

Focus: Network Flow - Max Flow

Problems:

1. **CSES - Download Speed** (<https://cses.fi/problemset/task/1694>)
 2. **CodeForces 546E - Soldier and Traveling** (<https://codeforces.com/problemset/problem/546/E>)
-

DAY 62 (Weekend: 5-6 hrs)

Focus: Network Flow - Min Cost Max Flow

Problems:

1. **CSES - Task Assignment** (<https://cses.fi/problemset/task/2129>)
2. **CodeForces 1288E - Messenger Simulator** (<https://codeforces.com/problemset/problem/1288/E>)
3. **CodeForces 1473E - Minimum Path** (<https://codeforces.com/problemset/problem/1473/E>)
4. **AtCoder ABC274-F - Fishing** (https://atcoder.jp/contests/abc274/tasks/abc274_f)

DAY 63 (Weekend: 5-6 hrs)

Focus: Greedy - Exchange Arguments Advanced

Problems:

1. **CodeForces 1579E2 - Permutation Shift (Hard Version)**
(<https://codeforces.com/problemset/problem/1579/E2>)
 2. **CodeForces 1381B - Unmerge** (<https://codeforces.com/problemset/problem/1381/B>)
 3. **CodeForces 1523D - Love-Hate** (<https://codeforces.com/problemset/problem/1523/D>)
 4. **AtCoder ABC294-E - 2xN Grid** (https://atcoder.jp/contests/abc294/tasks/abc294_e)
 5. **CodeForces 1542D - Priority Queue** (<https://codeforces.com/problemset/problem/1542/D>)
-

DAY 64 (Weekday: 2-3 hrs)

Focus: Range Tree / 2D Segment Tree

Problems:

1. **CSES - Forest Queries II** (<https://cses.fi/problemset/task/1739>) [Solve with 2D Seg Tree]
 2. **CodeForces 1479B2 - Painting the Array II**
(<https://codeforces.com/problemset/problem/1479/B2>)
-

DAY 65 (Weekday: 2-3 hrs)

Focus: Persistent Segment Tree

Problems:

1. **CSES - Range Queries and Copies** (<https://cses.fi/problemset/task/1737>)
 2. **CodeForces 893F - Subtree Minimum Query**
(<https://codeforces.com/problemset/problem/893/F>)
-

DAY 66 (Weekday: 2-3 hrs)

Focus: Sparse Table

Problems:

1. **CSES - Range Minimum Queries I** (<https://cses.fi/problemset/task/1647>)
 2. **CodeForces 1550D - Excellent Arrays** (<https://codeforces.com/problemset/problem/1550/D>)
 3. **AtCoder ABC234-F - Reordering** (https://atcoder.jp/contests/abc234/tasks/abc234_f)
-

DAY 67 (Weekday: 2-3 hrs)

Focus: Convex Hull Trick

Problems:

1. **CSES - Convex Hull Trick** (<https://cses.fi/problemset/task/2067>)
 2. **CodeForces 1295E - Permutation Separation**
(<https://codeforces.com/problemset/problem/1295/E>)
-

DAY 68 (Weekday: 2-3 hrs)

Focus: Li Chao Tree

Problems:

1. **CodeForces 932F - Escape Through Leaf** (<https://codeforces.com/problemset/problem/932/F>)
 2. **CodeForces 1303G - Sum of Prefix Sums** (<https://codeforces.com/problemset/problem/1303/G>)
-

DAY 69 (Weekend: 5-6 hrs)

Focus: Digit DP

Problems:

1. **CSES - Counting Numbers** (<https://cses.fi/problemset/task/2220>)

-
2. **CodeForces 628D - Magic Numbers** (<https://codeforces.com/problemset/problem/628/D>)
 3. **AtCoder ABC336-F - Rotation Puzzle** (https://atcoder.jp/contests/abc336/tasks/abc336_f)
 4. **CodeForces 1073E - Segment Sum** (<https://codeforces.com/problemset/problem/1073/E>)
 5. **CodeForces 1036C - Classy Numbers** (<https://codeforces.com/problemset/problem/1036/C>)
-

DAY 70 (Weekend: 5-6 hrs)

Focus: Meet in the Middle

Problems:

1. **CSES - Meet in the Middle** (<https://cses.fi/problemset/task/1628>)
 2. **CodeForces 888E - Maximum Subsequence**
(<https://codeforces.com/problemset/problem/888/E>)
 3. **CodeForces 1006F - Xor-Paths** (<https://codeforces.com/problemset/problem/1006/F>)
 4. **AtCoder ABC184-F - Programming Contest** (https://atcoder.jp/contests/abc184/tasks/abc184_f)
 5. **CodeForces 525E - Anya and Cubes** (<https://codeforces.com/problemset/problem/525/E>)
-

DAY 71 (Weekday: 2-3 hrs)

Focus: Interactive Problems

Problems:

1. **CodeForces 1624F - Interacdvive Problem** (<https://codeforces.com/problemset/problem/1624/F>)
 2. **CodeForces 1624G - MinOr Tree** (<https://codeforces.com/problemset/problem/1624/G>)
 3. **AtCoder ABC337-F - Usual Color Ball Problems**
(https://atcoder.jp/contests/abc337/tasks/abc337_f)
-

DAY 72 (Weekday: 2-3 hrs)

Focus: Constructive - GCD/LCM Properties

Problems:

1. **CodeForces 1549D - Integers Have Friends**
(<https://codeforces.com/problemset/problem/1549/D>)

-
2. **CodeForces 1370D - Odd-Even Subsequence**
(<https://codeforces.com/problemset/problem/1370/D>)
-

DAY 73 (Weekday: 2-3 hrs)

Focus: Constructive - XOR Properties

Problems:

-
1. **CodeForces 1556D - Take a Guess** (<https://codeforces.com/problemset/problem/1556/D>)
 2. **CodeForces 1438D - Powerful Ksenia** (<https://codeforces.com/problemset/problem/1438/D>)
 3. **AtCoder ABC245-F - Endless Walk** (https://atcoder.jp/contests/abc245/tasks/abc245_f)
-

DAY 74 (Weekday: 2-3 hrs)

Focus: Combinatorics - Stirling Numbers

Problems:

-
1. **CSES - Counting Divisors** (<https://cses.fi/problemset/task/1713>)
 2. **CodeForces 1526C2 - Potions (Hard Version)**
(<https://codeforces.com/problemset/problem/1526/C2>)
-

DAY 75 (Weekday: 2-3 hrs)

Focus: Combinatorics - Euler's Totient

Problems:

-
1. **CSES - Common Divisors** (<https://cses.fi/problemset/task/1081>)
 2. **CodeForces 1295D - Same GCDs** (<https://codeforces.com/problemset/problem/1295/D>)
 3. **AtCoder ABC322-E - Product Development**
(https://atcoder.jp/contests/abc322/tasks/abc322_e)
-

DAY 76 (Weekend: 5-6 hrs)

Focus: Chinese Remainder Theorem

Problems:

1. **CodeForces 1500C - Matrix Sorting** (<https://codeforces.com/problemset/problem/1500/C>)
 2. **CodeForces 1477B - Nezzar and Binary String**
(<https://codeforces.com/problemset/problem/1477/B>)
 3. **AtCoder ABC186-F - Puzzle Rearrangement** (https://atcoder.jp/contests/abc186/tasks/abc186_f)
 4. **CodeForces 1549E - The Three Little Pigs** (<https://codeforces.com/problemset/problem/1549/E>)
 5. **CodeForces 1530D - Secret Santa** (<https://codeforces.com/problemset/problem/1530/D>)
-

DAY 77 (Weekend: 5-6 hrs)

Focus: Greedy - Ternary Search

Problems:

1. **CSES - Stick Divisions** (<https://cses.fi/problemset/task/1161>)
 2. **CodeForces 1355D - Game With Array** (<https://codeforces.com/problemset/problem/1355/D>)
 3. **CodeForces 1355E - Restorer Distance** (<https://codeforces.com/problemset/problem/1355/E>)
 4. **AtCoder ABC279-D - Freefall** (https://atcoder.jp/contests/abc279/tasks/abc279_d)
 5. **CodeForces 1301D - Time to Run** (<https://codeforces.com/problemset/problem/1301/D>)
-

DAY 78 (Weekday: 2-3 hrs)

Focus: Slope Trick

Problems:

1. **CSES - Towers** (<https://cses.fi/problemset/task/1073>)
 2. **CodeForces 1344C - Quantifier Question** (<https://codeforces.com/problemset/problem/1344/C>)
-

DAY 79 (Weekday: 2-3 hrs)

Focus: DP Optimization - Knuth's Optimization

Problems:

1. **CodeForces 321D2 - Ciel and Duel (hard)** (<https://codeforces.com/problemset/problem/321/D2>)
 2. **CodeForces 1132G - Greedy Subsequences**
(<https://codeforces.com/problemset/problem/1132/G>)
-

DAY 80 (Weekday: 2-3 hrs)

Focus: DP Optimization – Divide and Conquer

Problems:

1. **CodeForces 321E - Ciel and Gondolas** (<https://codeforces.com/problemset/problem/321/E>)
 2. **CodeForces 1101F - Trucks and Cities** (<https://codeforces.com/problemset/problem/1101/F>)
-

DAY 81 (Weekday: 2-3 hrs)

Focus: Geometry - Convex Hull

Problems:

1. **CSES - Convex Hull** (<https://cses.fi/problemset/task/2195>)
 2. **CodeForces 1195E - OpenStreetMap** (<https://codeforces.com/problemset/problem/1195/E>)
 3. **AtCoder ABC296-E - Transition Game** (https://atcoder.jp/contests/abc296/tasks/abc296_e)
-

DAY 82 (Weekday: 2-3 hrs)

Focus: Geometry - Line Intersection

Problems:

1. **CSES - Line Segment Intersection** (<https://cses.fi/problemset/task/2190>)
 2. **CodeForces 166B - Polygon** (<https://codeforces.com/problemset/problem/166/B>)
-

DAY 83 (Weekend: 5-6 hrs)

Focus: Geometry - Sweep Line

Problems:

1. **CSES - Point Location Test** (<https://cses.fi/problemset/task/2189>)
 2. **CodeForces 610D - Vika and Segments** (<https://codeforces.com/problemset/problem/610/D>)
 3. **CodeForces 1389D - Segment Intersections**
(<https://codeforces.com/problemset/problem/1389/D>)
 4. **AtCoder ABC225-F - String Cards** (https://atcoder.jp/contests/abc225/tasks/abc225_f)
 5. **CodeForces 1401E - Divide Square** (<https://codeforces.com/problemset/problem/1401/E>)
-

DAY 84 (Weekend: 5-6 hrs)

Focus: FFT / Number Theoretic Transform

Problems:

1. **CodeForces 528D - Fuzzy Search** (<https://codeforces.com/problemset/problem/528/D>)
 2. **CodeForces 958F3 - Lightsabers (hard)** (<https://codeforces.com/problemset/problem/958/F3>)
 3. **CodeForces 1096G - Lucky Tickets** (<https://codeforces.com/problemset/problem/1096/G>)
 4. **AtCoder ABC196-F - Substring 2** (https://atcoder.jp/contests/abc196/tasks/abc196_f)
 5. **CodeForces 632E - Thief in a Shop** (<https://codeforces.com/problemset/problem/632/E>)
-

DAY 85 (Weekday: 2-3 hrs)

Focus: Strongly Connected Components

Problems:

1. **CSES - Flight Routes Check** (<https://cses.fi/problemset/task/1682>)
 2. **CSES - Planets and Kingdoms** (<https://cses.fi/problemset/task/1683>)
 3. **CodeForces 475B - Strongly Connected City**
(<https://codeforces.com/problemset/problem/475/B>)
-

DAY 86 (Weekday: 2-3 hrs)

Focus: 2-SAT

Problems:

-
1. **CSES - Giant Pizza** (<https://cses.fi/problemset/task/1684>)
 2. **CodeForces 1475F - Unusual Matrix** (<https://codeforces.com/problemset/problem/1475/F>)
-

DAY 87 (Weekday: 2-3 hrs)

Focus: Bridges and Articulation Points

Problems:

-
1. **CSES - Coin Grid** (<https://cses.fi/problemset/task/1709>)
 2. **CodeForces 118E - Bertown roads** (<https://codeforces.com/problemset/problem/118/E>)
 3. **AtCoder ABC334-F - Christmas Present 2** (https://atcoder.jp/contests/abc334/tasks/abc334_f)
-

DAY 88 (Weekday: 2-3 hrs)

Focus: Euler Tour Technique

Problems:

-
1. **CSES - Subtree Queries** (<https://cses.fi/problemset/task/1137>)
 2. **CodeForces 383C - Propagating tree** (<https://codeforces.com/problemset/problem/383/C>)
-

DAY 89 (Weekday: 2-3 hrs)

Focus: Tree Compression / Virtual Trees

Problems:

-
1. **CodeForces 613D - Kingdom and its Cities** (<https://codeforces.com/problemset/problem/613/D>)
 2. **CodeForces 1528D - It's a bird! No, it's a plane! No, it's AaParsa!**
(<https://codeforces.com/problemset/problem/1528/D>)
-

DAY 90 (Weekend: 5-6 hrs)

Focus: Suffix Automaton

Problems:

1. **CodeForces 1437G - Death DBMS** (<https://codeforces.com/problemset/problem/1437/G>)
 2. **CodeForces 235C - Cyclical Quest** (<https://codeforces.com/problemset/problem/235/C>)
 3. **CodeForces 1037H - Security** (<https://codeforces.com/problemset/problem/1037/H>)
 4. **AtCoder ABC362-F - Perfect Matching on a Tree**
(https://atcoder.jp/contests/abc362/tasks/abc362_f)
 5. **CodeForces 700E - Cool Slogans** (<https://codeforces.com/problemset/problem/700/E>)
-

DAY 91 (Weekend: 5-6 hrs)

Focus: Palindromic Tree

Problems:

1. **CodeForces 17E - Palisection** (<https://codeforces.com/problemset/problem/17/E>)
 2. **CodeForces 932G - Palindrome Partition** (<https://codeforces.com/problemset/problem/932/G>)
 3. **CodeForces 1505F - Factorization** (<https://codeforces.com/problemset/problem/1505/F>)
 4. **CodeForces 1523E - Crypto Lights** (<https://codeforces.com/problemset/problem/1523/E>)
 5. **AtCoder ABC359-F - Tree Degree Optimization**
(https://atcoder.jp/contests/abc359/tasks/abc359_f)
-

DAY 92 (Weekday: 2-3 hrs)

Focus: Alien's Trick / Lagrange Optimization

Problems:

1. **CodeForces 739E - Gosha is hunting** (<https://codeforces.com/problemset/problem/739/E>)
 2. **CodeForces 1603D - Artistic Partition** (<https://codeforces.com/problemset/problem/1603/D>)
-

DAY 93 (Weekday: 2-3 hrs)

Focus: Blossom Algorithm (Maximum Matching)

Problems:

1. **CodeForces 1089L - Lazyland** (<https://codeforces.com/problemset/problem/1089/L>)
 2. **CodeForces 1089M - Minimal Diameter Forest**
(<https://codeforces.com/problemset/problem/1089/M>)
-

DAY 94 (Weekday: 2-3 hrs)

Focus: Link-Cut Tree

Problems:

1. **CodeForces 343D - Water Tree** (<https://codeforces.com/problemset/problem/343/D>)
 2. **CodeForces 1254D - Tree Queries** (<https://codeforces.com/problemset/problem/1254/D>)
-

DAY 95 (Weekday: 2-3 hrs)

Focus: Flows with Demands

Problems:

1. **CodeForces 546D - Soldier and Number Game**
(<https://codeforces.com/problemset/problem/546/D>)
 2. **CodeForces 512D - Fox And Travelling** (<https://codeforces.com/problemset/problem/512/D>)
-

DAY 96 (Weekday: 2-3 hrs)

Focus: Bipartite Matching Applications

Problems:

1. **CSES - School Dance** (<https://cses.fi/problemset/task/1696>)
 2. **CodeForces 1484E - Skyline Photo** (<https://codeforces.com/problemset/problem/1484/E>)
 3. **AtCoder ABC286-F - Guess the Number 2** (https://atcoder.jp/contests/abc286/tasks/abc286_f)
-

DAY 97 (Weekend: 5-6 hrs)

Focus: Mixed Bag - Game Theory Advanced

Problems:

1. **CodeForces 1397D - Stoned Game** (<https://codeforces.com/problemset/problem/1397/D>)
 2. **CodeForces 1396C - Monster Invaders** (<https://codeforces.com/problemset/problem/1396/C>)
 3. **CodeForces 1540B - Tree Array** (<https://codeforces.com/problemset/problem/1540/B>)
 4. **AtCoder ABC268-F - Best Concatenation** (https://atcoder.jp/contests/abc268/tasks/abc268_f)
 5. **CodeForces 1455E - Four Points** (<https://codeforces.com/problemset/problem/1455/E>)
-

DAY 98 (Weekend: 5-6 hrs)

Focus: Mixed Bag - Greedy Marathon

Problems:

1. **CodeForces 1474D - Cleaning** (<https://codeforces.com/problemset/problem/1474/D>)
 2. **CodeForces 1588D - Guess the Permutation**
(<https://codeforces.com/problemset/problem/1588/D>)
 3. **CodeForces 1555E - Boring Segments** (<https://codeforces.com/problemset/problem/1555/E>)
 4. **AtCoder ABC260-F - Find 4-cycle** (https://atcoder.jp/contests/abc260/tasks/abc260_f)
 5. **CodeForces 1408D - Searchlights** (<https://codeforces.com/problemset/problem/1408/D>)
-

DAY 99 (Weekday: 2-3 hrs)

Focus: Mixed Bag - Combinatorics Hell

Problems:

1. **CodeForces 1342E - Placing Rooks** (<https://codeforces.com/problemset/problem/1342/E>)
 2. **CodeForces 1559D2 - Mocha and Diana (Hard Version)**
(<https://codeforces.com/problemset/problem/1559/D2>)
-

DAY 100 (Weekday: 2-3 hrs)

Focus: Mixed Bag - Constructive Nightmares

Problems:

1. **CodeForces 1438C - Engineer Artem** (<https://codeforces.com/problemset/problem/1438/C>)
 2. **CodeForces 1440C2 - Binary Table (Hard Version)**
(<https://codeforces.com/problemset/problem/1440/C2>)
 3. **AtCoder ABC266-F - Well-defined Path Queries on a Namori**
(https://atcoder.jp/contests/abc266/tasks/abc266_f)
-

DAY 101 (Weekday: 2-3 hrs)

Focus: Mixed Bag - Graph Algorithms Deep Dive

Problems:

1. **CSES - De Bruijn Sequence** (<https://cses.fi/problemset/task/1692>)
 2. **CodeForces 1494D - Dogeforces** (<https://codeforces.com/problemset/problem/1494/D>)
-

DAY 102 (Weekday: 2-3 hrs)

Focus: Mixed Bag - Segment Tree Mastery

Problems:

1. **CodeForces 1439B - Graph Subset Problem**
(<https://codeforces.com/problemset/problem/1439/B>)
 2. **CodeForces 1555F - Good Graph** (<https://codeforces.com/problemset/problem/1555/F>)
-

DAY 103 (Weekday: 2-3 hrs)

Focus: Mixed Bag - String Algorithms Combo

Problems:

1. **CodeForces 1466F - Euclid's nightmare** (<https://codeforces.com/problemset/problem/1466/F>)
2. **CodeForces 1529E - Permutation Shift** (<https://codeforces.com/problemset/problem/1529/E>)

DAY 104 (Weekend: 5-6 hrs)

Focus: Ultra Hard - Everything Combined

Problems:

1. **CodeForces 1580D - Subsequence** (<https://codeforces.com/problemset/problem/1580/D>)
 2. **CodeForces 1487F - Ones** (<https://codeforces.com/problemset/problem/1487/F>)
 3. **CodeForces 1493E - Enormous XOR** (<https://codeforces.com/problemset/problem/1493/E>)
 4. **AtCoder ABC258-G - Triangle** (https://atcoder.jp/contests/abc258/tasks/abc258_g)
 5. **CodeForces 1476E - Pattern Matching** (<https://codeforces.com/problemset/problem/1476/E>)
-

DAY 105 (Weekend: 5-6 hrs)

Focus: Ultra Hard - Advanced Topics Mix

Problems:

1. **CodeForces 1464D - 7-Magic** (<https://codeforces.com/problemset/problem/1464/D>)
 2. **CodeForces 1603E - A Perfect Problem** (<https://codeforces.com/problemset/problem/1603/E>)
 3. **CodeForces 1545C - AquaMoon and Strange Sort**
(<https://codeforces.com/problemset/problem/1545/C>)
 4. **AtCoder ABC311-G - One More Grid Task** (https://atcoder.jp/contests/abc311/tasks/abc311_g)
 5. **CodeForces 1588E - Guess Divisors Count** (<https://codeforces.com/problemset/problem/1588/E>)
-

DAY 106 (Weekday: 2-3 hrs)

Focus: Final Sprint - DP Optimization

Problems:

1. **CodeForces 1572C - Paint** (<https://codeforces.com/problemset/problem/1572/C>)
 2. **CodeForces 1603F - October 18, 2017** (<https://codeforces.com/problemset/problem/1603/F>)
-

DAY 107 (Weekday: 2-3 hrs)

Focus: Final Sprint - Tree Algorithms

Problems:

1. **CSES - Distinct Colors** (<https://cses.fi/problemset/task/1139>)
 2. **CodeForces 1528C - Trees of Tranquillity** (<https://codeforces.com/problemset/problem/1528/C>)
-

DAY 108 (Weekday: 2-3 hrs)

Focus: Final Sprint - Number Theory

Problems:

1. **CodeForces 1516D - Cut** (<https://codeforces.com/problemset/problem/1516/D>)
 2. **CodeForces 1562D2 - Two Hundred Twenty One (hard version)**
(<https://codeforces.com/problemset/problem/1562/D2>)
 3. **AtCoder ABC293-F - Zero or One** (https://atcoder.jp/contests/abc293/tasks/abc293_f)
-

DAY 109 (Weekday: 2-3 hrs)

Focus: Final Sprint - Advanced Greedy

Problems:

1. **CodeForces 1557E - Assiut Chess** (<https://codeforces.com/problemset/problem/1557/E>)
- 2.

CodeForces 1542E2 - Abnormal Permutation Pairs (hard version)
(<https://codeforces.com/problemset/problem/1542/E2>)

DAY 110 (Weekday: 2-3 hrs)

Focus: Final Sprint - Data Structures

Problems:

1. **CodeForces 1479C - Continuous City** (<https://codeforces.com/problemset/problem/1479/C>)
 2. **CodeForces 1601D - Difficult Mountain** (<https://codeforces.com/problemset/problem/1601/D>)
-

DAY 111 (Weekend: 5-6 hrs)

Focus: Mock Contest - CSES + CF

Problems:

1. **CSES - Bit Problem** (<https://cses.fi/problemset/task/1654>)
 2. **CSES - Reachability Queries** (<https://cses.fi/problemset/task/2143>)
 3. **CodeForces 1555D - Say No to Palindromes**
(<https://codeforces.com/problemset/problem/1555/D>)
 4. **CodeForces 1534E - Lost Array** (<https://codeforces.com/problemset/problem/1534/E>)
 5. **AtCoder ABC262-G - Triangle** (https://atcoder.jp/contests/abc262/tasks/abc262_g)
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DAY 112 (Weekend: 5-6 hrs)

Focus: Mock Contest - AtCoder Marathon

Problems:

1. **AtCoder ABC248-G - GCD cost on the tree** (https://atcoder.jp/contests/abc248/tasks/abc248_g)
 2. **AtCoder ABC257-G - Prefix Concatenation** (https://atcoder.jp/contests/abc257/tasks/abc257_g)
 3. **CodeForces 1539E - Game with Cards** (<https://codeforces.com/problemset/problem/1539/E>)
 4. **CodeForces 1580E - Railway System** (<https://codeforces.com/problemset/problem/1580/E>)
 5. **CodeForces 1561E - Bottom-Tier Reversals**
(<https://codeforces.com/problemset/problem/1561/E>)
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DAY 113 (Weekday: 2-3 hrs)

Focus: Random Harder Problems

Problems:

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1. **CodeForces 1566F - Points Movement** (<https://codeforces.com/problemset/problem/1566/F>)
 2. **CodeForces 1548D2 - Gregor and the Odd Cows (Hard)**
(<https://codeforces.com/problemset/problem/1548/D2>)
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DAY 114 (Weekday: 2-3 hrs)

Focus: Random Harder Problems

Problems:

1. **CodeForces 1528E - Mashtali and Hagh Trees**
(<https://codeforces.com/problemset/problem/1528/E>)
 2. **CodeForces 1539F - Strange Array** (<https://codeforces.com/problemset/problem/1539/F>)
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DAY 115 (Weekday: 2-3 hrs)

Focus: Random Harder Problems

Problems:

1. **CodeForces 1547F - Array Stabilization (GCD version)**
(<https://codeforces.com/problemset/problem/1547/F>)
 2. **CodeForces 1553G - Common Divisor Graph**
(<https://codeforces.com/problemset/problem/1553/G>)
 3. **AtCoder ABC251-G - Intersection of Paths** (https://atcoder.jp/contests/abc251/tasks/abc251_g)
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DAY 116 (Weekday: 2-3 hrs)

Focus: Random Harder Problems

Problems:

1. **CodeForces 1566G - Four Vertices** (<https://codeforces.com/problemset/problem/1566/G>)
 2. **CodeForces 1572D - Bridge Club** (<https://codeforces.com/problemset/problem/1572/D>)
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DAY 117 (Weekday: 2-3 hrs)

Focus: Random Harder Problems

Problems:

1. **CodeForces 1598F - RBS Deletion** (<https://codeforces.com/problemset/problem/1598/F>)
 2. **CodeForces 1579G - Minimal Coverage** (<https://codeforces.com/problemset/problem/1579/G>)
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DAY 118 (Weekend: 5-6 hrs)

Focus: Final Marathon - Mixed Hell

Problems:

1. **CodeForces 1586E - Moment of Bloom** (<https://codeforces.com/problemset/problem/1586/E>)
 2. **CodeForces 1592E - Bored Bakry** (<https://codeforces.com/problemset/problem/1592/E>)
 3. **CodeForces 1594E2 - Rubik's Cube Coloring (hard version)**
(<https://codeforces.com/problemset/problem/1594/E2>)
 4. **AtCoder ABC365-G - AtCoder Office** (https://atcoder.jp/contests/abc365/tasks/abc365_g)
 5. **CodeForces 1601E - Phoning Phecda** (<https://codeforces.com/problemset/problem/1601/E>)
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DAY 119 (Weekend: 5-6 hrs)

Focus: Final Marathon - Death Mode

Problems:

1. **CodeForces 1609F - Interesting Sections** (<https://codeforces.com/problemset/problem/1609/F>)
 2. **CodeForces 1621E - New School** (<https://codeforces.com/problemset/problem/1621/E>)
 3. **CodeForces 1627E - Not Escaping** (<https://codeforces.com/problemset/problem/1627/E>)
 4. **AtCoder ABC242-G - Range Pairing Query** (https://atcoder.jp/contests/abc242/tasks/abc242_g)
 5. **CodeForces 1638E - Colorful Operations** (<https://codeforces.com/problemset/problem/1638/E>)
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DAY 120 (Final Day: Whatever it takes)

Problems:

1. **CodeForces 1641C - Anonymity Is Important**

(<https://codeforces.com/problemset/problem/1641/C>)

2. **CodeForces 1648D - Serious Business** (<https://codeforces.com/problemset/problem/1648/D>)

3. **CodeForces 1654E - Arithmetic Operations**

(<https://codeforces.com/problemset/problem/1654/E>)

4. **AtCoder ABC239-G - Builder Takahashi** (https://atcoder.jp/contests/abc239/tasks/abc239_g)

5. **CodeForces 1656F - Parametric MST** (<https://codeforces.com/problemset/problem/1656/F>)

LEGEND STATUS ACHIEVED

You've conquered:

- Game Theory (Nim, Grundy, Sprague-Grundy)
- Greedy (All patterns, median tricks, exchange arguments)
- Combinatorics (Stars & Bars, Inclusion-Exclusion, Stirling, CRT)
- Shortest Paths (Dijkstra, Bellman-Ford, 0-1 BFS, Floyd-Warshall)
- MST (Prim's, Kruskal's)
- Graph Coloring (Bipartite, K-coloring)
- Segment Trees (Lazy prop, Persistent, 2D)
- Advanced Data Structures (Trie, Suffix structures, HLD, Centroid)
- Network Flows
- String Algorithms (KMP, Z, Hashing, Aho-Corasick, Manacher)
- Advanced DP (Digit, Bitmask, Convex Hull Trick, Knuth)
- Geometry
- FFT/NTT
- And every other demon you avoided

NOW GO DESTROY THAT GAUNTLET! 