**Post-Problem Evaluation System (0–100 score)**

After solving each problem, assign a score out of 100 based on three components:

**1. How much of the solution you figured out yourself (max 50 pts)**

| **Situation** | **Score** |
| --- | --- |
| Solved completely on your own | 50 |
| Solved ~80% but made a small mistake | 40 |
| Got the main idea, but couldn’t implement | 30 |
| Needed a small hint from editorial | 20 |
| Didn’t solve, but understood after editorial | 10 |
| Still didn’t fully understand after editorial | 0 |

-10 points if I look at the tests where I was wrong

**2. Time taken to reach your best solution (max 40 pts)**

| **Time spent (including thinking + coding)** | **Score** |
| --- | --- |
| <15 minutes | 40 |
| 15–30 minutes | 30 |
| 30–50 minutes | 20 |
| >50 minutes | 10 |
| Couldn’t solve it | 0 |

**3. Time to understand editorial (max 10 pts)**

| **Editorial understanding time** | **Score** |
| --- | --- |
| Understood fully in <10 min | 10 |
| Understood in 10–20 min | 7 |
| Took more than 20 min to fully understand | 3 |
| Still unclear after reading | 0 |

Day 1: 13/04/2025 -> Unrated

I participated in <https://codeforces.com/contest/2094> (Div4) and solved 6/8 problems with place 571. I almost solved the 7th one so I will probably upsolve it tomorrow

Day 2: 14/04/2025 -> 596

Solved <https://codeforces.com/contest/1253/problem/D> (1700 difficulty). After 27 minutes I made a wrong submission with DSU (Time limit exceed on test 9) then a wrong intervals approach after 55 minutes and after 1 hour and 1 minute I finally found the intended solution with intersecting intervals.. Nothing new to learn but I was painfully slow..

Score: 50 + 10 + 10 -> 70 points

Solved <https://codeforces.com/problemset/problem/1228/C> (1700 difficulty). Solved it in 15 minutes, nice number theory problem, didn’t feel like I can learn something new from it

Score: 50 + 30 + 10 -> 90 points

Day 3: 16/04/2025 -> 596

I upsolved <https://codeforces.com/contest/2094/problem/G> from last DIV4 in 16 minutes just to realize that I was missing the reverse case where I just had to revert the “reversed” Boolean… It worked first try. I am frustrated I didn’t finish this in time in the contest. I spent 25 more minutes on another solution that uses only one deque instead of 2.

Score: 50 + 10 + 3 -> 63 points

I tried to solve <https://codeforces.com/problemset/problem/1209/D> (1700) for 50 minutes but no success. I think I got a few ideas but apparently I overcomplicated it.. I stayed 45 more minutes to understand the tutorial because it was poor written but I understood the DSU solution and DFS solution. Both are easy if you think in that direction.. my bad, I feel so stupid sometimes.

Score: 10 + 0 + 3 -> 13 points

I solved <https://codeforces.com/problemset/problem/1312/D> (1700) in about 40 minutes with a little help from editorial but once I got the main idea it was really easy. I made the mistake to think about taking with combinations after having the max element selected which is stupid..

Score: 20 + 0 + 10 -> 30 points

Day 4: 17/04/2025 -> 596

I solved <https://codeforces.com/contest/1625/problem/C> (1700) in 1 hour with O(n^3) solution using dp which was actually the intended solution. I thought I overcomplicated it. At first I did a O(n^2) solution but it was wrong on test 8 and I managed to understand why.

Score: 50 + 10 + 10 -> 70 points

I solved <https://codeforces.com/problemset/problem/1731/C> (1700) in 28 minutes with the intended solution. Reminder for myself that I always need to increase ap[0] to also count the whole prefix as xor or sum of prefixes, not just previous values.

Score: 50 + 30 + 10 -> 90 points

I solved <https://codeforces.com/contest/1829/problem/H> (1700) in 45 minutes. I complicated the solution with a dp with 6 dimensions, one for each bit instead of actually going through the numbers from 0 to 63.. fuck me… But.. I solved it alone and fully and after 1 minute on editorial I also implemented the easier solution so that’s great.

Score: 50 + 20 + 10 -> 80 points

Day 5: 18/04/2025 -> 596

I solved <https://codeforces.com/problemset/problem/1474/C> (1700) in 35 minutes. Pretty easy problem once I saw the bruteforce idea so that’s cool.

Score: 50 + 20 + 10 -> 80 points

I solved <https://codeforces.com/problemset/problem/1883/E> (1700) in 28 minutes. Really nice idea but nothing new to it.

Score: 50 + 30 + 10 -> 90 points

I tried to solve <https://codeforces.com/contest/1598/problem/D> (1700). I got some ideas right but totally missed the intended solution and I couldn’t do it. Cool trick to actually isolate the pairs. Tip for future: “Pay more attention to specific constraints, they probably are there for a reason”).

Score: 10 + 0 + 10 -> 20 points

Day 6: 19/04/2025 -> 596

I tried to solve <https://codeforces.com/problemset/problem/1537/D> (1700).. It was based on a really specific number theory link of thoughts and unfortunately I didn’t get it… Understood it after with editorial but damn..

Score: 10 + 0 + 10 -> 20 points

I solved <https://codeforces.com/problemset/problem/915/C> (1700) in 28 minutes, pretty easy greedy problem I would say.

Score: 50 + 30 + 10 -> 90 points

I solved <https://codeforces.com/problemset/problem/960/C> (1700) in 13 minutes. Nice problem with bits, kinda easy though.. I feel very good when I solve these so fast

Score: 50 + 40 + 10 -> 100 points

I solved <https://codeforces.com/problemset/problem/1176/E> (1700) in 20 minutes. Really nice graph problem. I really wonder if the problems I chose are actually really easy or I am getting better in just a few days (probably not), lol.

Score: 50 + 30 + 10 -> 90 points

I participated in <https://codeforces.com/contest/2096> (Div1 + Div2) and I took place 2911. A bad result in my opinion considering I spent 23 minutes on problem A which was actually easy……… I have 980 rating points now. Will upsolve D and E soon

Day 7: 20/04/2025 -> 980

I upsolved problem <https://codeforces.com/contest/2096/problem/D> . It was a nice problem with a nice click.. What I think I should do more from now and actually try to see parity relations between coordinates on problems with cartesian points. Also.. I shouldn’t really stay to much wondering with random ideas, this is what I discovered. More on practical thoughts. Problems at this level are not so adhoc as they seem.

I upsolved <https://codeforces.com/contest/2096/problem/E> . I approached it with a greedy but working in my opinion solution. Still, no success on it on test 2 at test case 840+ so fuck me.. Then I really got deep into editorial and it was beautiful to see the use of inversions here and parity and what each operation of the 4 possible does.. I really understood it in the end but damn, I am stupid

I gave a virtual contest of <https://codeforces.com/contest/1574> which was a contest where I did really bad in the past. I solved 2 problems, almost 3.. still a disaster (the problems are basically made not for me to solve them lol) but the 3rd problem was almost done.. I just missed a case. I then made a O(m \* log2(n)^2) solution and it passed but I also discovered a O(m \* log2(n)) solution which was nicer. Still I beat my past self from 2021 so that’s a win I guess.

Day 8: 21/04/2025 -> 1269

I participated in <https://codeforces.com/contest/2103> (Div2) and got place 1777 by solving A B C, not terrible but I could have been faster on B and of course, C. will upsolve tomorrow problems D and E

Day 9: 24/04/2025 -> 1538

I participated in <https://codeforces.com/contest/2106> (Div3) and got place 169 by solving A B C D E F. Really strong contest for me, will upsolve G1 and G2 soon

Day 10: 25/04/2025 -> 1538

Solved <https://codeforces.com/contest/1822/problem/F> (1700 Difficulty) in 35 minutes. Nice graph problems, I worked a little more on my nodes levels in a graph techniques.

Score: 50 + 20 + 10 -> 80 points

Solved <https://codeforces.com/problemset/problem/1114/C> (1700 Difficulty) in 22 minutes.

Score: 50 + 30 + 10 -> 90 points

Solved <https://codeforces.com/contest/833/problem/A> (1700 Difficulty) in 30 minutes but with a glance at the editorial.. I made a solution but got TLE on test 8. The complexity is good in my opinion, I don’t know why. But in the end I saw the easy observation I was missing :( . So sad

Score: 20 + 30 + 10 -> 60 points

Solved [https://codeforces.com/contest/1984/problem/C1 (1300](https://codeforces.com/contest/1984/problem/C1%20(1300) Difficulty) and [https://codeforces.com/contest/1984/problem/C2 (1700](https://codeforces.com/contest/1984/problem/C2%20(1700) Difficulty). I solved C1 with dp pretty fast but for C2 I couldn’t convert the dp. I then red the editorial and found out about the neat idea that operation 2 on a negative number should be made exactly once.. and this changed everything. Really nice solution but hard to see, idk.. at least for me. I also did a solution with map exactly to address the duplicates issue. Nice solution, I feel like I got the most out of this problem really.

Score: 20 + 10 + 10 -> 40 points (for C2), I had 90 for C1

Day 11: 26/04/2025 -> 1538

Upsolved <https://codeforces.com/contest/2103/problem/D> and I spent 2 hours trying first a graph approach but then with very little help from editorial (it was very vague so I would say it helped like 10%) I made a working soluion for the problem. What I got from this is that in construction problems I should thing about it on layers if possible. Nice problem. I spent a little more time to make a shorter solution and that’s it

Day 12: 27/04/2025 -> 1538

Gave a virtual contest on <https://codeforces.com/contest/1557> and got place 956 which is way better than the 6936 I got 4 years ago so that’s cool. I also upsolved problem D of 2200 difficulty and I made some changes to my segement tree template. Nice coordinates compression, I couldn’t solve it by myself…

Solved <https://codeforces.com/problemset/problem/1672/D> (1700) in around 25 minutes. Looked hard initially but actually nice problem.

Score: 50 + 30 + 10 -> 90 points

Day 13: 28/04/2025 -> 1538

Solved <https://codeforces.com/problemset/problem/1750/D> (1800) in 42 minutes. I realized I needed to find the number of coprimes of X in interval [1, Y] which I didn’t really know so I searched the internet (I think that’s ok). Now I made a template for this

Score: 50 + 20 + 10 -> 80 points

Solved <https://codeforces.com/problemset/problem/1705/D> (1800) in 17 minutes. It was pretty easy once I found the click.

Score: 50 + 30 + 10 -> 90 points

Solved <https://codeforces.com/contest/1648/problem/B> (1800) in 48 minutes. Nice use of kind of Eratosthenes Sieve. A little slow but it’s a 1800 so we are good.

Score: 50 + 20 + 10 -> 80 points

Participated in <https://codeforces.com/contest/2104> (Div2) and solved first 4 problems.. unfortunately I was very close to solve the 5th one, just 2 more minutes needed, I got accepted after the contest :(. That’s it, next time. Anyways, the cheaters on codeforces are getting out of hand.. crazy how many people solved first 5 problems. I am tehnically place 2400 and this is really weird :)))

Day 14: 29/04/2025 -> 1538

Solved <https://codeforces.com/problemset/problem/687/C> (1900) with the help of editorial. I knew it was dp and I tried a solution but it didn’t work.. I couldn’t get the dp states like that. Key note for myself: Try to also think dp as a possible or not possible solution and to update it in the go.. my bad. It took me 50 minutes before looking at the editorial

Score: 10 + 0 + 10 -> 20 points

Solved <https://codeforces.com/problemset/problem/1430/E> (1900) in 28 minutes so really fast. Nice inversion problems but I made a little bit the confusion with some other permutation property where you can make any swap, not necessarily on consecutive cells. I will look a little bit into a problem with this concept

Score: 50 + 30 + 10 -> 90 points

Solved <https://codeforces.com/problemset/problem/1082/E> (2000) with the help of some solutions and tutorials from comments in editorial. I made a dp solution and a divide and conquer one. I understood them both. I thought about a segment tree solution initially but no success, also binary search, dp but I couldn’t see how to oprimize and of it and get to a solution. Pretty hard for my first 2000 but the solutions were so nice, I always feel stupid after seeing them.

Score: 10 + 0 + 10 -> 20 points

Solved <https://codeforces.com/problemset/problem/1781/D> (1800) after a small hint from editorial.. I really didn’t think to try and get an equation out of 2 numbers to find all possible values of x.. as soon as I saw for a moment this idea I managed to implement the solution by myself :(((. Tip for myself: try to write more things down and find things that are unknown..

Score: 20 + 10 + 10 -> 40 points

Solved <https://codeforces.com/problemset/problem/1148/D> (1800) in 31 minutes alone so that is a success. Another adhoc problem, glad I solved it.

Score: 50 + 20 + 10 -> 80 points

Solved <https://codeforces.com/contest/623/problem/A> (1800) in 42 minutes with a little bit of help by looking at tests. I didn’t think it’s necessary to check the validity of the graph at the end. Also, nice catch with the fact that nodes with b are only the ones connected to all other nodes, idk why I didn’t made that ovservation.

Score: 40 + 20 + 10 -> 70 points

Day 15: 30/04/2025 -> 1604

Solved <https://codeforces.com/problemset/problem/540/D> (1900) in 47 minutes because it felt vague on how the probability at each turn is calculated, my bad..

Score: 40 + 20 + 10 -> 70 points

Solved <https://codeforces.com/problemset/problem/1585/D> (1900) in 51 minutes fully by myself. Nice problem using FenwickTree actually. Cool observations and I was a little bit slow on time but hey.. at least I solved it. After this I spent some time to better understand what a 3 cycle is and how it can be represented as 2 separate transpositions on the array. Now it makes so much more sense. I actually solved it by creativity, how am I so bad at math ? :)

Score: 50 + 10 + 10 -> 70 points

Day 16: 01/05/2025 -> 1626

Participated in <https://codeforces.com/contest/2108> (Div2) with a performance of a 1540, solving A, B, C. It’s pretty frustrating to be honest.. This was my 6th contest and now my rating is stabilized. I will work on my skills for 3 months and starting with august I will participate again for 2 months. Hope that I will reach 1900 in those 3 months and have an average performance over 1850, I think this is decent expectations.

Solved <https://codeforces.com/problemset/problem/1674/F> (1800) in 37 minutes. This was an implementation problem, really nice for me to start not overcomplicate solutions. I also red after a really nice solution that transforms the matrix into an actual array, really cool concept

Score: 50 + 20 + 10 -> 80 points

Day 17: 02/05/2025 -> 1626

Solved <https://codeforces.com/contest/1500/problem/A> (1800) but only after a small peak at the editorial.. I really didn’t think that bruteforce was the right call here, lool. The idea was pretty easy once realizing that we can’t go more than min(n^2, 2\*2.5\*10^6)…

Score: 20 + 0 + 10 -> 30 points

Solved <https://codeforces.com/contest/1619/problem/D> (1800) but again... I thought about binary search but not on the simple idea that I just need to make sure there is at least one shop that can buy a gift for 2 people.. idk man, how am I so bad?

Score: 20 + 0 + 10 -> 30 points

Attempted <https://codeforces.com/contest/1552/problem/D> (1800) but with no success. Even after editorial it feels really off and I can’t understand it properly. Will come back to this after a while with new powers.

Score: 0 + 0 + 0 -> 0 points

Ok, now important. I think about starting a “Group Solving”, what I mean is selecting 5 problems from each of 3 diffculties above my rating, that being 1800, 1900 and 2000, 15 problems total. I will try to not waste more than 1 hour and 15 minutes on a problem + editorial that should be max 2 hours per problem. I will see how many points I can get per group and what is the total time of completion. Once I consistently get 70+ points and I have decent solving time I will upgrade to next difficulty like in a window. Wish me luck

GROUP 1:

1800:

<https://codeforces.com/problemset/problem/300/C> 1800 - Score: 90 Time: 22 minutes

Group1, problem1 (1800) - <https://codeforces.com/problemset/problem/300/C>

Solved it nicely with modinverse in 22 minutes, nice problem. Seemed dp at first but then I got it, I just used bruteforce for it to find how many a’s and b’s the number has.

Score: 50 + 30 + 10 -> 90 points