

# Old Silver

| Contest  | # | Name      | Topic | Result |
|----------|---|-----------|-------|--------|
| 2012 Mar | 3 | landscape | DP    |        |

| Contest  | # | Name      | Topic | Result |
|----------|---|-----------|-------|--------|
| 2015 Feb | 3 | superbull | MST   |        |

# Gold

| Contest   | # | Name      | Topic         | Result |
|-----------|---|-----------|---------------|--------|
| 2015 Dec  | 1 | cardgame  | Binary Search |        |
|           | 2 | feast     | DP            | Done   |
|           | 3 | dream     | BFS           |        |
| 2016 Jan  | 1 | angry     | Binary Search |        |
|           | 2 | radio     | DP            | Done   |
|           | 3 | lightsout |               |        |
| 2016 Feb  | 1 | cbarn     |               |        |
|           | 2 | cbarn2    | DP            |        |
|           | 3 | fencedin  | MST           |        |
| 2016 Open | 1 | split     | Two Pointers  |        |
|           | 2 | closing   | DSU           |        |

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|---------|---|------|-------|--------|
|         | 3 | 248  | DP    |        |

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|-----------|---|-------------|------------------------|--------|
| 2016 Dec  | 1 | moocast     | Binary Search          |        |
|           | 2 | checklist   | DP                     | Done   |
|           | 3 | lasers      | BFS                    |        |
| 2017 Jan  | 1 | bphoto      | 1DRQ                   |        |
|           | 2 | hps         | DP                     | Done   |
|           | 3 | cownav      | BFS                    |        |
| 2017 Feb  | 1 | visitfj     | Shortest Path          | Done   |
|           | 2 | nocross     | DP                     | Done   |
|           | 3 | circlecross | 1DRQ                   |        |
| 2017 Open | 1 | cownomics   | Two Pointers / Hashing |        |
|           | 2 | art2        | Stack                  |        |

| Contest  | # | Name         | Topic     | Result |
|----------|---|--------------|-----------|--------|
| 2017 Dec | 1 | piepie       | BFS       |        |
|          | 2 | barnpainting | DP / Tree | Done   |
|          | 3 | hayfeast     | Deque     |        |
| 2018 Jan | 1 | mootube      | DSU       | Done   |
|          | 2 | atlarge      | DFS       |        |
|          | 3 | spainting    | DP        | Done   |
| 2018 Feb | 1 | snowboots    | Set /DSU  | Done   |

| Contest   | # | Name        | Topic                            | Result             |
|-----------|---|-------------|----------------------------------|--------------------|
|           | 2 | dirtraverse | DFS                              | Done<br>Thomas账号提交 |
|           | 3 | taming      | DP                               | Done               |
| 2018 Open | 1 | sort        | 1DRQ / Binary Search             |                    |
|           | 2 | milkorder   | Topological Sort / Binary Search | Done               |
|           | 3 | talent      | DP                               | Done               |

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|-----------|---|---------------|------------------------|--------|
| 2018 Dec  | 1 | dining        | Shortest Path          | Done   |
|           | 2 | cowpatibility | Hashing / PIE / Bitset | Done   |
|           | 3 | teamwork      | DP                     | Done   |
| 2019 Jan  | 1 | poetry        | DP / Math              | Done   |
|           | 2 | sleepy        | 1DRQ                   | Done   |
|           | 3 | shortcut      | Shortest Path          | Done   |
| 2019 Feb  | 1 | cowland       | LCA / 1DRQ             |        |
|           | 2 | dishes        | Map / Binary Search    | Done   |
|           | 3 | paintbarn     | DP / Line Sweep        | Done   |
| 2019 Open | 1 | snakes        | DP                     | Done   |
|           | 2 | walk          | MST / Math             |        |
|           | 3 | balance       | Two Pointers / Math    |        |

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|-----------|---|------------|----------------------|--|
| 2019 Dec  | 1 | pump       | Shortest Path        | Done                                     |
|           | 2 | milkvisits | LCA                  | Done                                     |
|           | 3 | cowmbat    | DP                   | Done                                     |
| 2020 Jan  | 1 | time       | dp                   | Done                                     |
|           | 2 | threesum   | 2D Prefix Sum , 区间DP | Done                                     |
|           | 3 | boards     | dp+树状数组,平衡树          | <a href="#">sln</a> <a href="#">sln2</a> |
| 2020 Feb  | 1 | timeline   |                      | Done                                     |
|           | 2 | help       | 动态规划+集合+前缀和          |  |
|           | 3 | deleg      | DFS 树                |  |
| 2020 Open | 1 | haircut    | fenwick Tree         | Done                                     |
|           | 2 | fcolor     | DSU                  |  |
|           | 3 | exercise   | 01背包变种               | <a href="#">sln</a>                      |

todo:

- ☒ 1DRQ (2019 Jan sleepy)
  - ☐ 2018 Open sort
- ☐ MST算法 Kruskal (2019 Open walk), Kruskal 算法也用到并查集
  - ☒ DSU并查集(2018 Jan mootube)
  - ☒ 2018 Feb snowboots
  - ☒ 2016 Feb fencedin (MST) 有一个数据点超时
- ☒ Topological Sort (2018 Open milkorder)
- ☒ DP (2019 Open snakes)
- ☒ DP (2019 Dec cowmbat)