

## 📖 Math

You have solved **6 / 194** problems.

### 👉 Show problem tags

| #    | Title                            | Tags  | Acceptance | Difficulty | Frequency ? |
|------|----------------------------------|---|------------|------------|-------------|
| ✓ 2  | Add Two Numbers (/problem...     | <div>Linked List (/tag/linked-list)</div> <div>Math (/tag/math)</div> <div>Microsoft (/company/microsoft)</div> <div>Amazon (/company/amazon)</div> <div>Bloomberg (/company/bloomberg)</div> <div>Airbnb (/company/airbnb)</div> <div>Adobe (/company/adobe)</div> | 34.7%      | Medium     |             |
| 829  | Consecutive Numbers Sum (/...    | <div>Math (/tag/math)</div>   | 39.4%      | Hard       |             |
| 273  | Integer to English Words (/pr... | <div>Math (/tag/math)</div> <div>String (/tag/string)</div> <div>Facebook (/company/facebook)</div> <div>Microsoft (/company/microsoft)</div>   | 27.8%      | Hard       |             |
| 1041 | Robot Bounded In Circle (/pr...  | <div>Math (/tag/math)</div> <div>Airbnb (/company/airbnb)</div>   | 54.5%      | Medium     |             |
| 780  | Reaching Points (/problems/r...  | <div>Math (/tag/math)</div> <div>Google (/company/google)</div> <div>Coursera (/company/coursera)</div>   | 30.0%      | Hard       |             |
| 7    | Reverse Integer (/problems/r...  | <div>Math (/tag/math)</div> <div>Bloomberg (/company/bloomberg)</div> <div>Apple (/company/apple)</div>   | 25.8%      | Easy       |             |
| 224  | Basic Calculator (/problems/...  | <div>Math (/tag/math)</div> <div>Stack (/tag/stack)</div> <div>Google (/company/google)</div>   | 37.8%      | Hard       |             |
| 67   | Add Binary (/problems/add-b...   | <div>Math (/tag/math)</div> <div>String (/tag/string)</div> <div>Facebook (/company/facebook)</div>   | 46.4%      | Easy       |             |

| #   | Title                              | Tags   | Acceptance | Difficulty | Frequency ? |
|-----|------------------------------------|--|------------|------------|-------------|
| 13  | Roman to Integer (/problems...     | Math (/tag/math) String (/tag/string) Facebook (/company/facebook) Microsoft (/company/microsoft) Bloomberg (/company/bloomberg) Uber (/company/uber) Yahoo (/company/yahoo) | 56.2%      | Easy       |             |
| 202 | Happy Number (/problems/h...       | Hash Table (/tag/hash-table) Math (/tag/math) Uber (/company/uber) Twitter (/company/twitter) Airbnb (/company/airbnb)   | 51.0%      | Easy       |             |
| 453 | Minimum Moves to Equal Arr...      | Math (/tag/math) Indeed (/company/indeed) Coursera (/company/coursera)   | 50.5%      | Easy       |             |
| 9   | Palindrome Number (/proble...      | Math (/tag/math)   | 49.2%      | Easy       |             |
| 50  | Pow(x, n) (/problems/powx-n)       | Math (/tag/math) Binary Search (/tag/binary-search) Google (/company/google) Facebook (/company/facebook) Bloomberg (/company/bloomberg) LinkedIn (/company/linkedin)        | 30.7%      | Medium     |             |
| 12  | Integer to Roman (/problems...     | Math (/tag/math) String (/tag/string) Twitter (/company/twitter)   | 55.7%      | Medium     |             |
| 279 | Perfect Squares (/problems/...     | Math (/tag/math) Dynamic Programming (/tag/dynamic-programming) Breadth-first Search (/tag/breadth-first-search) Google (/company/google)                                    | 48.4%      | Medium     |             |
| ✓ 8 | String to Integer (atoi) (/prob... | Math (/tag/math) String (/tag/string) Microsoft (/company/microsoft) Amazon (/company/amazon) Bloomberg (/company/bloomberg)   | 15.5%      | Medium     |             |

| #    | Title                            | Tags  | Acceptance | Difficulty | Frequency ? |
|------|----------------------------------|---|------------|------------|-------------|
| 523  | Continuous Subarray Sum (/...    | <div>Uber (/company/uber)</div> <div>Math (/tag/math)</div> <div>Dynamic Programming (/tag/dynamic-programming)</div> <div>Facebook (/company/facebook)</div>   | 24.7%      | Medium     |             |
| 1344 | Angle Between Hands of a Cl...   | <div>Math (/tag/math)</div>   | 61.2%      | Medium     |             |
| 149  | Max Points on a Line (/proble... | <div>Hash Table (/tag/hash-table)</div> <div>Math (/tag/math)</div> <div>LinkedIn (/company/linkedin)</div> <div>Twitter (/company/twitter)</div> <div>Apple (/company/apple)</div>   | 17.2%      | Hard       |             |
| 592  | Fraction Addition and Subtra...  | <div>Math (/tag/math)</div> <div>IXL (/company/ixl)</div>   | 49.9%      | Medium     |             |
| 204  | Count Primes (/problems/co...    | <div>Hash Table (/tag/hash-table)</div> <div>Math (/tag/math)</div> <div>Microsoft (/company/microsoft)</div> <div>Amazon (/company/amazon)</div>   | 32.0%      | Easy       |             |
| 268  | Missing Number (/problems/...    | <div>Array (/tag/array)</div> <div>Math (/tag/math)</div> <div>Bit Manipulation (/tag/bit-manipulation)</div> <div>Facebook (/company/facebook)</div> <div>Microsoft (/company/microsoft)</div> <div>Bloomberg (/company/bloomberg)</div> | 52.9%      | Easy       |             |
| 29   | Divide Two Integers (/proble...  | <div>Math (/tag/math)</div> <div>Binary Search (/tag/binary-search)</div>   | 16.6%      | Medium     |             |
| 535  | Encode and Decode TinyURL...     | <div>Hash Table (/tag/hash-table)</div> <div>Math (/tag/math)</div> <div>Google (/company/google)</div> <div>Facebook (/company/facebook)</div> <div>Amazon (/company/amazon)</div> <div>Uber (/company/uber)</div>                       | 80.6%      | Medium     |             |
| 365  | Water and Jug Problem (/pro...   | <div>Math (/tag/math)</div> <div>Microsoft (/company/microsoft)</div>   | 30.9%      | Medium     |             |
| 65   | Valid Number (/problems/vali...  | <div>Math (/tag/math)</div> <div>String (/tag/string)</div> <div>LinkedIn (/company/linkedin)</div>   | 15.6%      | Hard       |             |

| #      | Title                                  | Tags  | Acceptance | Difficulty | Frequency ? |
|--------|--|---|------------|------------|-------------|
| 1359   | Count All Valid Pickup and D...        | Math (/tag/math) String (/tag/string) LinkedIn (/company/linkedin) DoorDash (/company/doordash) | 57.3%      | Hard       |             |
| 356    | Line Reflection (/problems/lin...<br>👤 | Hash Table (/tag/hash-table) Math (/tag/math) Google (/company/google)                          | 32.5%      | Medium     |             |
| 368    | Largest Divisible Subset (/pr...       | Math (/tag/math) Dynamic Programming (/tag/dynamic-programming) Google (/company/google)        | 38.1%      | Medium     |             |
| ✓ 1025 | Divisor Game (/problems/divi...        | Math (/tag/math) Dynamic Programming (/tag/dynamic-programming) Visa (/company/visa)            | 66.1%      | Easy       |             |
| 43     | Multiply Strings (/problems/...        | Math (/tag/math) String (/tag/string) Facebook (/company/facebook) Twitter (/company/twitter)   | 34.6%      | Medium     |             |
| 233    | Number of Digit One (/proble...        | Math (/tag/math)  | 31.6%      | Hard       |             |
| 670    | Maximum Swap (/problems/...            | Array (/tag/array) Math (/tag/math) Facebook (/company/facebook)                                | 44.6%      | Medium     |             |
| 166    | Fraction to Recurring Decima...        | Hash Table (/tag/hash-table) Math (/tag/math) Google (/company/google) IXL (/company/ixl)       | 22.1%      | Medium     |             |
| 836    | Rectangle Overlap (/problem...         | Math (/tag/math)  | 45.8%      | Easy       |             |
| 264    | Ugly Number II (/problems/u...         | Math (/tag/math) Dynamic Programming (/tag/dynamic-programming) Heap (/tag/heap)                | 42.6%      | Medium     |             |

| #    | Title                             | Tags   | Acceptance | Difficulty | Frequency ? |
|------|-----------------------------------|--|------------|------------|-------------|
| 168  | Excel Sheet Column Title (/pr...  | Math (/tag/math) Facebook (/company/facebook) Microsoft (/company/microsoft) Zenefits (/company/zenefits)                              | 51.9%      | Easy       |             |
| 753  | Cracking the Safe (/problems...   | Math (/tag/math) Depth-first Search (/tag/depth-first-search) Google (/company/google)   | 51.6%      | Hard       |             |
| 1012 | Numbers With Repeated Digi...     | Math (/tag/math) Dynamic Programming (/tag/dynamic-programming) Google (/company/google)   | 37.6%      | Hard       |             |
| 1497 | Check If Array Pairs Are Divis... | Array (/tag/array) Math (/tag/math) Greedy (/tag/greedy) Quble (/company/quble)  | 40.5%      | Medium     |             |
| 1253 | Reconstruct a 2-Row Binary ...    | Math (/tag/math) Greedy (/tag/greedy) Grab (/company/grab)   | 41.2%      | Medium     |             |
| 69   | Sqrt(x) (/problems/sqrtx)         | Math (/tag/math) Binary Search (/tag/binary-search) Facebook (/company/facebook) Bloomberg (/company/bloomberg) Apple (/company/apple) | 34.6%      | Easy       |             |
| 628  | Maximum Product of Three ...      | Array (/tag/array) Math (/tag/math) Intuit (/company/intuit)   | 47.0%      | Easy       |             |
| 319  | Bulb Switcher (/problems/bul...   | Math (/tag/math) Brainteaser (/tag/brainteaser)  | 45.2%      | Medium     |             |
| 887  | Super Egg Drop (/problems/s...    | Math (/tag/math) Binary Search (/tag/binary-search) Dynamic Programming (/tag/dynamic-programming)                                     | 27.0%      | Hard       |             |

| #     | Title                                | Tags   | Acceptance | Difficulty | Frequency ? |
|-------|--------------------------------------|--|------------|------------|-------------|
| 335   | Self Crossing (/problems/self...     | Math (/tag/math)   | 28.5%      | Hard       |             |
| 1131  | Maximum of Absolute Value ...        | Math (/tag/math) Bit Manipulation (/tag/bit-manipulation)<br>Microsoft (/company/microsoft)                        | 52.2%      | Medium     |             |
| 60    | Permutation Sequence (/pro...        | Math (/tag/math) Backtracking (/tag/backtracking)<br>Twitter (/company/twitter)                                    | 39.0%      | Hard       |             |
| 171   | Excel Sheet Column Number ...        | Math (/tag/math) Microsoft (/company/microsoft)<br>Uber (/company/uber)  | 56.6%      | Easy       |             |
| 892   | Surface Area of 3D Shapes (/...      | Math (/tag/math) Geometry (/tag/geometry)  | 59.5%      | Easy       |             |
| 258   | Add Digits (/problems/add-di...      | Math (/tag/math) Microsoft (/company/microsoft)<br>Adobe (/company/adobe)  | 58.2%      | Easy       |             |
| 413   | Arithmetic Slices (/problems/...     | Math (/tag/math) Dynamic Programming (/tag/dynamic-programming)<br>Baidu (/company/baidu) Aetion (/company/aetion) | 58.4%      | Medium     |             |
| 296   | Best Meeting Point (/problem...<br>👤 | Math (/tag/math) Sort (/tag/sort) Twitter (/company/twitter)   | 58.0%      | Hard       |             |
| 172   | Factorial Trailing Zeroes (/pr...    | Math (/tag/math) Bloomberg (/company/bloomberg)  | 38.2%      | Easy       |             |
| ✓ 949 | Largest Time for Given Digits...     | Math (/tag/math) LiveRamp (/company/liveramp)  | 36.2%      | Medium     |             |
| 247   | Strobogrammatic Number II (...<br>👤  | Math (/tag/math) Recursion (/tag/recursion)<br>Google (/company/google)  | 48.2%      | Medium     |             |





| #     | Title                            | Tags   | Acceptance | Difficulty | Frequency ? |
|-------|----------------------------------|--|------------|------------|-------------|
| 94    | Tic-Tac-Toe State (/pro...       | Math (/tag/math) Recursion (/tag/recursion)                      | 59.9%      | Medium     |             |
|       |                                  | Microsoft (/company/microsoft)                                   |            |            |             |
| 805   | Split Array With Same Avera...   | Math (/tag/math) Microsoft (/company/microsoft)                  | 26.5%      | Hard       |             |
| 1103  | Distribute Candies to People ... | Math (/tag/math)   | 63.6%      | Easy       |             |
| 343   | Integer Break (/problems/inte... | Math (/tag/math) Dynamic Programming (/tag/dynamic-programming)  | 50.9%      | Medium     |             |
| 1088  | Confusing Number II (/proble...  | Math (/tag/math) Backtracking (/tag/backtracking)                | 44.9%      | Hard       |             |
|       | 📌                                | Google (/company/google)   |            |            |             |
| 878   | Nth Magical Number (/proble...   | Math (/tag/math) Binary Search (/tag/binary-search)              | 28.6%      | Hard       |             |
| 1512  | Number of Good Pairs (/prob...   | Array (/tag/array) Hash Table (/tag/hash-table) Math (/tag/math) | 87.9%      | Easy       |             |
|       |                                  | Activevideo (/company/activevideo)                               |            |            |             |
| 400   | Nth Digit (/problems/nth-digit)  | Math (/tag/math) Google (/company/google)                        | 32.3%      | Medium     |             |
| 910   | Smallest Range II (/problems...  | Math (/tag/math) Greedy (/tag/greedy) Adobe (/company/adobe)     | 27.1%      | Medium     |             |
| ✓ 996 | Number of Squareful Arrays (...) | Math (/tag/math) Backtracking (/tag/backtracking)                | 47.8%      | Hard       |             |
|       |                                  | Graph (/tag/graph) Apple (/company/apple)                        |            |            |             |
| 598   | Range Addition II (/problems/... | Math (/tag/math) IXL (/company/ixl)                              | 49.8%      | Easy       |             |
| 357   | Count Numbers with Unique ...    | Math (/tag/math) Dynamic Programming (/tag/dynamic-programming)  | 48.7%      | Medium     |             |
|       |                                  | Backtracking (/tag/backtracking) Google (/company/google)        |            |            |             |


| #    | Title                               | Tags   | Acceptance | Difficulty | Frequency ? |
|------|-------------------------------------|--|------------|------------|-------------|
| 672  | Binary Switcher II (/problems/b...  | Math (/tag/math) Microsoft (/company/microsoft)  | 51.9%      | Medium     |             |
| 1467 | Probability of a Two Boxes H...     | Math (/tag/math) Backtracking (/tag/backtracking)  | 61.1%      | Hard       |             |
| 1478 | Allocate Mailboxes (/problem...     | Math (/tag/math) Dynamic Programming (/tag/dynamic-programming) Bloomberg (/company/bloomberg) | 54.5%      | Hard       |             |
| 231  | Power of Two (/problems/po...       | Math (/tag/math) Bit Manipulation (/tag/bit-manipulation) Google (/company/google)             | 43.8%      | Easy       |             |
| 775  | Global and Local Inversions (...)   | Array (/tag/array) Math (/tag/math) Amazon (/company/amazon)                                   | 42.5%      | Medium     |             |
| 263  | Ugly Number (/problems/ugl...       | Math (/tag/math)   | 41.7%      | Easy       |             |
| 1180 | Count Substrings with Only ...<br>👤 | Math (/tag/math) String (/tag/string) Virtu Financial (/company/virtu)                         | 77.3%      | Easy       |             |
| 754  | Reach a Number (/problems/...       | Math (/tag/math) InMobi (/company/inmobi)  | 35.1%      | Medium     |             |
| 885  | Spiral Matrix III (/problems/s...   | Math (/tag/math) Dataminr (/company/dataminr)  | 70.3%      | Medium     |             |
| 441  | Arranging Coins (/problems/...      | Math (/tag/math) Binary Search (/tag/binary-search) GoDaddy (/company/godaddy)                 | 42.2%      | Easy       |             |
| 1073 | Adding Two Negabinary Num...        | Math (/tag/math) Grab (/company/grab)  | 34.6%      | Medium     |             |
| 507  | Perfect Number (/problems/...       | Math (/tag/math) Fallible (/company/fallible)  | 35.9%      | Easy       |             |
| 640  | Solve the Equation (/problem...     | Math (/tag/math) Amazon (/company/amazon)  | 42.5%      | Medium     |             |
| 593  | Valid Square (/problems/valid...    | Math (/tag/math) Pure Storage (/company/pure-storage)  | 43.3%      | Medium     |             |



| #    | Title                               | Tags   | Acceptance | Difficulty | Frequency ? |
|------|-------------------------------------|--|------------|------------|-------------|
| 462  | Minimum Moves to Equal Arr...       | Math (/tag/math)   | 54.2%      | Medium     |             |
| 1330 | Reverse Subarray To Maximi...       | Array (/tag/array) Math (/tag/math)<br>Codenation (/company/codenation)                                      | 36.2%      | Hard       |             |
| 883  | Projection Area of 3D Shape...      | Math (/tag/math)   | 67.9%      | Easy       |             |
| 927  | Three Equal Parts (/problems...     | Math (/tag/math) Binary Search (/tag/binary-search)<br>Greedy (/tag/greedy) Hotstar (/company/hotstar)       | 34.3%      | Hard       |             |
| 423  | Reconstruct Original Digits fr...   | Math (/tag/math)   | 47.3%      | Medium     |             |
| 397  | Integer Replacement (/proble...     | Math (/tag/math) Bit Manipulation (/tag/bit-manipulation)<br>Google (/company/google) Baidu (/company/baidu) | 33.3%      | Medium     |             |
| 1627 | Graph Connectivity With Thr...      | Math (/tag/math) Union Find (/tag/union-find)<br>Trexquant (/company/trexquant)                              | 37.6%      | Hard       |             |
| 782  | Transform to Chessboard (/p...      | Array (/tag/array) Math (/tag/math) Google (/company/google)   | 46.7%      | Hard       |             |
| 634  | Find the Derangement of An ...<br>🔒 | Math (/tag/math) IXL (/company/ixl)  | 40.3%      | Medium     |             |
| 633  | Sum of Square Numbers (/pr...       | Math (/tag/math) LinkedIn (/company/linkedin)  | 32.3%      | Medium     |             |
| 1017 | Convert to Base -2 (/proble...      | Math (/tag/math) Airbnb (/company/airbnb)  | 59.5%      | Medium     |             |
| 1228 | Missing Number In Arithmeti...<br>🔒 | Math (/tag/math) Audible (/company/audible)  | 51.9%      | Easy       |             |

| #    | Title                                 | Tags  | Acceptance | Difficulty | Frequency ? |
|------|---------------------------------------|---|------------|------------|-------------|
| 246  | Strobogrammatic Number (/...<br>📌     | Hash Table (/tag/hash-table) Math (/tag/math)<br>Google (/company/google)   | 45.5%      | Easy       |             |
| 810  | Chalkboard XOR Game (/pro...          | Math (/tag/math) Garena (/company/garena)   | 49.3%      | Hard       |             |
| 1067 | Digit Count in Range (/proble...<br>📌 | Math (/tag/math) Dynamic Programming (/tag/dynamic-programming)<br>Amazon (/company/amazon)                                     | 40.9%      | Hard       |             |
| 1093 | Statistics from a Large Samp...       | Math (/tag/math) Two Pointers (/tag/two-pointers)<br>Microsoft (/company/microsoft)   | 49.1%      | Medium     |             |
| 877  | Stone Game (/problems/ston...         | Math (/tag/math) Dynamic Programming (/tag/dynamic-programming)<br>Minimax (/tag/minimax)                                       | 66.1%      | Medium     |             |
| 223  | Rectangle Area (/problems/r...        | Math (/tag/math)  | 38.0%      | Medium     |             |
| 1104 | Path In Zigzag Labelled Binar...      | Math (/tag/math) Tree (/tag/tree) Bloomberg (/company/bloomberg)  | 72.8%      | Medium     |             |
| 1590 | Make Sum Divisible by P (/pr...       | Array (/tag/array) Hash Table (/tag/hash-table) Math (/tag/math)<br>Binary Search (/tag/binary-search) Amazon (/company/amazon) | 27.3%      | Medium     |             |
| 952  | Largest Component Size by ...         | Math (/tag/math) Union Find (/tag/union-find)<br>Google (/company/google)   | 36.0%      | Hard       |             |
| 651  | 4 Keys Keyboard (/problems/...<br>📌   | Math (/tag/math) Dynamic Programming (/tag/dynamic-programming)<br>Greedy (/tag/greedy) Google (/company/google)                | 52.8%      | Medium     |             |

| #    | Title   | Tags <span>Microsoft (/company/microsoft)</span>  | Acceptance | Difficulty | Frequency  |
|------|---|---|------------|------------|--|
| 517  | Super Washing Machines (/p...   | Math (/tag/math) Dynamic Programming (/tag/dynamic-programming)<br>Amazon (/company/amazon) | 38.4%      | Hard       |  |
| 447  | Number of Boomerangs (/pro...   | Hash Table (/tag/hash-table) Math (/tag/math)<br>Google (/company/google)                   | 52.2%      | Medium     |  |
| 991  | Broken Calculator (/problems...   | Math (/tag/math) Greedy (/tag/greedy) Nutanix (/company/nutanix)                            | 46.3%      | Medium     |  |
| 367  | Valid Perfect Square (/proble...  | Math (/tag/math) Binary Search (/tag/binary-search)<br>LinkedIn (/company/linkedin)         | 41.9%      | Easy       |  |
| 1281 | Subtract the Product and Su...  | Math (/tag/math) Quora (/company/quora)   | 85.6%      | Easy       |  |
| 781  | Rabbits in Forest (/problems/...  | Hash Table (/tag/hash-table) Math (/tag/math)<br>Wish (/company/wish)                       | 55.2%      | Medium     |  |
| 1271 | Hexspeak (/problems/hexspe...<br>    | Math (/tag/math) String (/tag/string) Virtu Financial (/company/virtu)                      | 55.1%      | Easy       |  |
| 1427 | Perform String Shifts (/probl...<br> | Array (/tag/array) Math (/tag/math)<br>Goldman Sachs (/company/goldman-sachs)               | 53.3%      | Easy       |  |
| 1256 | Encode Number (/problems/...<br>     | Math (/tag/math) Bit Manipulation (/tag/bit-manipulation)<br>Quora (/company/quora)         | 67.2%      | Medium     |  |
| 372  | Super Pow (/problems/super...   | Math (/tag/math)  | 36.6%      | Medium     |  |
| 1218 | Longest Arithmetic Subsequ...   | Math (/tag/math) Dynamic Programming (/tag/dynamic-programming)                             | 46.1%      | Medium     |  |

| #    | Title   | Tags  | Acceptance | Difficulty | Frequency ? |
|------|---|---|------------|------------|-------------|
| 1058 | Minimize Rounding Error to ...<br> | Math (/tag/math) Dynamic Programming (/tag/dynamic-programming) Greedy (/tag/greedy) Airbnb (/company/airbnb) | 43.2%      | Medium     |             |
| 1175 | Prime Arrangements (/proble...  | Math (/tag/math) Amazon (/company/amazon)   | 51.6%      | Easy       |             |
| 1237 | Find Positive Integer Solution...   | Math (/tag/math) Binary Search (/tag/binary-search) Google (/company/google)                                  | 69.8%      | Easy       |             |
| 1622 | Fancy Sequence (/problems/...   | Math (/tag/math) Design (/tag/design) Google (/company/google)  | 15.6%      | Hard       |             |
| 492  | Construct the Rectangle (/pr...   | Math (/tag/math)  | 50.0%      | Easy       |             |
| 313  | Super Ugly Number (/proble...   | Math (/tag/math) Heap (/tag/heap) Google (/company/google)  | 45.8%      | Medium     |             |
| 812  | Largest Triangle Area (/probl...  | Math (/tag/math) Google (/company/google)   | 58.7%      | Easy       |             |
| 1323 | Maximum 69 Number (/probl...  | Math (/tag/math) HRT (/company/hrt)   | 77.9%      | Easy       |             |
| 1307 | Verbal Arithmetic Puzzle (/pr...  | Math (/tag/math) Backtracking (/tag/backtracking) Atlassian (/company/atlassian)                              | 37.3%      | Hard       |             |
| 326  | Power of Three (/problems/p...  | Math (/tag/math) Google (/company/google)   | 42.0%      | Easy       |             |
| 1154 | Day of the Year (/problems/d...   | Math (/tag/math) zscaler (/company/zscaler)   | 49.2%      | Easy       |             |
| 1577 | Number of Ways Where Squ...   | Hash Table (/tag/hash-table) Math (/tag/math)   | 37.1%      | Medium     |             |
| 1513 | Number of Substrings With ...   | Math (/tag/math) String (/tag/string) Google (/company/google)  | 41.1%      | Medium     |             |

| Rank # | Problem Title   | Tags  | Acceptance | Difficulty | Frequency ? |
|--------|---|---|------------|------------|-------------|
| 1227   | Airplane Seat Assignment Problem                                | Math (/tag/math) Dynamic Programming (/tag/dynamic-programming) Brainteaser (/tag/brainteaser) Microstrategy (/company/microstrategy) | 61.8%      | Medium     |             |
| 1648   | Sell Diminishing-Valued Colored Items                           | Math (/tag/math) Greedy (/tag/greedy) Sort (/tag/sort) Groupon (/company/groupon)   | 30.6%      | Medium     |             |
| 396    | Rotate Function (/problems/rotate-function)                     | Math (/tag/math) Amazon (/company/amazon)   | 36.5%      | Medium     |             |
| 248    | Strobogrammatic Number III                                      | Math (/tag/math) Recursion (/tag/recursion)   | 40.0%      | Hard       |             |
| 914    | X of a Kind in a Deck of Cards                                  | Array (/tag/array) Math (/tag/math) Google (/company/google)  | 34.4%      | Easy       |             |
| 963    | Minimum Area Rectangle II (/problems/minimum-area-rectangle-ii) | Math (/tag/math) Geometry (/tag/geometry) Google (/company/google)  | 51.5%      | Medium     |             |
| 478    | Generate Random Point in a Square                               | Math (/tag/math) Random (/tag/random) Rejection Sampling (/tag/rejection-sampling) Leap Motion (/company/leap-motion)                 | 38.8%      | Medium     |             |
| 1276   | Number of Burgers with No Cooked Onions                         | Math (/tag/math) Greedy (/tag/greedy) DeliveryHero (/company/deliveryhero)  | 50.0%      | Medium     |             |
| 1109   | Corporate Flight Bookings (/problems/corporate-flight-bookings) | Array (/tag/array) Math (/tag/math) Goldman Sachs (/company/goldman-sachs)  | 53.9%      | Medium     |             |
| 1390   | Four Divisors (/problems/four-divisors)                         | Math (/tag/math) Capital One (/company/capital-one)   | 38.9%      | Medium     |             |
| 1363   | Largest Multiple of Three (/problems/largest-multiple-of-three) | Math (/tag/math) Dynamic Programming (/tag/dynamic-programming)   | 34.0%      | Hard       |             |

| #     | Title  | Tags   | Acceptance | Difficulty | Frequency ? |
|-------|--|--|------------|------------|-------------|
| 645   | Set Mismatch (/problems/set-mismatch/)   | Math (/tag/math)<br>Amazon (/company/amazon)   | 42.4%      | Easy       |             |
| 1217  | Minimum Cost to Move Chips to Be a Row (/problems/chips-to-row/)   | Array (/tag/array)<br>Math (/tag/math)<br>Greedy (/tag/greedy)<br>Morgan Stanley (/company/morgan-stanley)                                     | 71.2%      | Easy       |             |
| 1442  | Count Triplets That Can Form an Arithmetic Triplet (/problems/count-triplets-that-can-form-an-arithmetic-triplet/)                       | Array (/tag/array)<br>Math (/tag/math)<br>Bit Manipulation (/tag/bit-manipulation)   | 70.6%      | Medium     |             |
| 1524  | Number of Sub-arrays With Maximum Sum Less Than or Equal to K (/problems/number-of-sub-arrays-with-maximum-sum-less-than-or-equal-to-k/) | Array (/tag/array)<br>Math (/tag/math)<br>Directi (/company/directi)   | 39.1%      | Medium     |             |
| 1641  | Count Sorted Vowel Strings (/problems/count-sorted-vowel-strings/)   | Math (/tag/math)<br>Dynamic Programming (/tag/dynamic-programming)<br>Backtracking (/tag/backtracking)<br>Nira Finance (/company/nira-finance) | 75.9%      | Medium     |             |
| ✓ 942 | DI String Match (/problems/di-string-match/)   | Math (/tag/math)<br>Google (/company/google)   | 73.2%      | Easy       |             |
| 537   | Complex Number Multiplication (/problems/complex-number-multiplication/)   | Math (/tag/math)<br>String (/tag/string)<br>Amazon (/company/amazon)   | 68.2%      | Medium     |             |
| 970   | Powerful Integers (/problems/powerful-integers/)   | Hash Table (/tag/hash-table)<br>Math (/tag/math)   | 39.9%      | Easy       |             |
| 1317  | Convert Integer to the Sum of Two Prime Numbers (/problems/convert-integer-to-the-sum-of-two-prime-numbers/)                             | Math (/tag/math)<br>HRT (/company/hrt)   | 56.8%      | Easy       |             |
| 728   | Self Dividing Numbers (/problems/self-dividing-numbers/)   | Math (/tag/math)<br>Epic Systems (/company/epic-systems)   | 75.1%      | Easy       |             |
| 976   | Largest Perimeter Triangle (/problems/largest-perimeter-triangle/)   | Math (/tag/math)<br>Sort (/tag/sort)<br>C3 IoT (/company/c3-iot)   | 58.4%      | Easy       |             |
| 1523  | Count Odd Numbers in an Interval Range (/problems/count-odd-numbers-in-an-interval-range/)   | Math (/tag/math)<br>Microsoft (/company/microsoft)   | 55.3%      | Easy       |             |

| #    | Title                                 | Tags                               | Acceptance | Difficulty | Frequency ? |
|------|---------------------------------------|------------------------------------|------------|------------|-------------|
| 858  | Mirror Reflection (/problems/...      | Math (/tag/math)                   | 59.4%      | Medium     |             |
| 1492 | The kth Factor of n (/proble...       | Math (/tag/math)                   | 64.3%      | Medium     |             |
| 902  | Numbers At Most N Given Di...         | Math (/tag/math)                   | 36.1%      | Hard       |             |
|      |                                       | Amazon (/company/amazon)           |            |            |             |
| 458  | Poor Pigs (/problems/poor-pi...       | Math (/tag/math)                   | 54.4%      | Hard       |             |
| 360  | Sort Transformed Array (/pro...<br>🔒  | Math (/tag/math)                   | 49.4%      | Medium     |             |
|      |                                       | Two Pointers (/tag/two-pointers)   |            |            |             |
|      |                                       | Sort (/tag/sort)                   |            |            |             |
|      |                                       | Google (/company/google)           |            |            |             |
| 469  | Convex Polygon (/problems/...<br>🔒    | Math (/tag/math)                   | 37.3%      | Medium     |             |
|      |                                       | Google (/company/google)           |            |            |             |
| 483  | Smallest Good Base (/proble...        | Math (/tag/math)                   | 36.1%      | Hard       |             |
|      |                                       | Binary Search (/tag/binary-search) |            |            |             |
|      |                                       | Google (/company/google)           |            |            |             |
| 553  | Optimal Division (/problems/...       | Math (/tag/math)                   | 57.2%      | Medium     |             |
|      |                                       | String (/tag/string)               |            |            |             |
|      |                                       | Amazon (/company/amazon)           |            |            |             |
| 573  | Squirrel Simulation (/problem...<br>🔒 | Math (/tag/math)                   | 55.8%      | Medium     |             |
|      |                                       | Square (/company/square)           |            |            |             |
| 625  | Minimum Factorization (/pro...<br>🔒   | Math (/tag/math)                   | 32.8%      | Medium     |             |
|      |                                       | Recursion (/tag/recursion)         |            |            |             |
|      |                                       | Tencent (/company/tencent)         |            |            |             |
| 660  | Remove 9 (/problems/remov...<br>🔒     | Math (/tag/math)                   | 53.9%      | Hard       |             |
|      |                                       | Houzz (/company/houzz)             |            |            |             |

| #    | Title                                | Tags  | Acceptance | Difficulty | Frequency ? |
|------|--------------------------------------|---|------------|------------|-------------|
| 789  | Escape The Ghosts (/proble...        | Math (/tag/math) Google (/company/google)   | 57.9%      | Medium     |             |
| 800  | Similar RGB Color (/problems...<br>👤 | Math (/tag/math) String (/tag/string) Google (/company/google)                                  | 61.9%      | Easy       |             |
| 866  | Prime Palindrome (/problems...       | Math (/tag/math)  | 25.1%      | Medium     |             |
| 868  | Binary Gap (/problems/binary...      | Math (/tag/math) Twitter (/company/twitter) eBay (/company/ebay)                                | 60.8%      | Easy       |             |
| 869  | Reordered Power of 2 (/probl...      | Math (/tag/math)  | 54.0%      | Medium     |             |
| 891  | Sum of Subsequence Widths...         | Array (/tag/array) Math (/tag/math) Sapient (/company/sapient)                                  | 32.7%      | Hard       |             |
| 899  | Orderly Queue (/problems/or...       | Math (/tag/math) String (/tag/string) Amazon (/company/amazon)                                  | 52.9%      | Hard       |             |
| 906  | Super Palindromes (/problem...       | Math (/tag/math) Google (/company/google)   | 32.8%      | Hard       |             |
| 908  | Smallest Range I (/problems/...      | Math (/tag/math) Adobe (/company/adobe)   | 66.0%      | Easy       |             |
| 964  | Least Operators to Express ...       | Math (/tag/math) Dynamic Programming (/tag/dynamic-programming)<br>Snapchat (/company/snapchat) | 44.6%      | Hard       |             |
| 972  | Equal Rational Numbers (/pro...      | Math (/tag/math) Microsoft (/company/microsoft)   | 41.8%      | Hard       |             |
| 1006 | Clumsy Factorial (/problems/...      | Math (/tag/math) Microsoft (/company/microsoft)   | 53.6%      | Medium     |             |
| 1009 | Complement of Base 10 Inte...        | Math (/tag/math) Cloudera (/company/cloudera)   | 61.5%      | Easy       |             |
| 1015 | Smallest Integer Divisible by ...    | Math (/tag/math) Google (/company/google)   | 41.7%      | Medium     |             |
| 1056 | Confusing Number (/problem...        | Math (/tag/math) Google (/company/google)   | 47.4%      | Easy       |             |



| #    | Problem Name (/problem...)       | Tags             | Acceptance | Difficulty | Frequency ? |
|------|----------------------------------|------------------|------------|------------|-------------|
| 1134 | Armstrong Number (/problem...)   | Math (/tag/math) | 78.2%      | Easy       |             |
| 1037 | Valid Boomerang (/problems/...)  | Math (/tag/math) | 37.8%      | Easy       |             |
| 1121 | Divide Array Into Increasing ... | Math (/tag/math) | 57.8%      | Hard       |             |
| 1183 | Maximum Number of Ones (/...)    | Math (/tag/math) | 56.3%      | Hard       |             |
| 1230 | Toss Strange Coins (/proble...)  | Math (/tag/math) | 49.6%      | Medium     |             |
| 1199 | Minimum Time to Build Block...   | Math (/tag/math) | 38.2%      | Hard       |             |
| 1272 | Remove Interval (/problems/r...) | Math (/tag/math) | 57.6%      | Medium     |             |
| 1259 | Handshakes That Don't Cros...    | Math (/tag/math) | 54.1%      | Hard       |             |
| 1362 | Closest Divisors (/problems/...) | Math (/tag/math) | 57.4%      | Medium     |             |
| 1201 | Ugly Number III (/problems/u...) | Math (/tag/math) | 26.3%      | Medium     |             |

| #    | Title                                | Tags  | Acceptance | Difficulty | Frequency ? |
|------|--------------------------------------|---|------------|------------|-------------|
| 232  | Check If It Is a Straight Line (...) | <a href="/tag/array">Array (/tag/array)</a> <a href="/tag/math">Math (/tag/math)</a> <a href="/tag/geometry">Geometry (/tag/geometry)</a> | 44.2%      | Easy       |             |
|      |                                      | <a href="/company/palantir">Palantir (/company/palantir)</a>  |            |            |             |
| 1238 | Circular Permutation in Binar...     | <a href="/tag/math">Math (/tag/math)</a> <a href="/company/walmart">Walmart (/company/walmart)</a>  | 65.6%      | Medium     |             |
| 1250 | Check If It Is a Good Array (/...    | <a href="/tag/math">Math (/tag/math)</a> <a href="/company/dropbox">Dropbox (/company/dropbox)</a>  | 56.2%      | Hard       |             |
| 1447 | Simplified Fractions (/proble...     | <a href="/tag/math">Math (/tag/math)</a> <a href="/company/google">Google (/company/google)</a>   | 61.7%      | Medium     |             |
| 1551 | Minimum Operations to Mak...         | <a href="/tag/math">Math (/tag/math)</a> <a href="/company/brillio">Brillio (/company/brillio)</a>  | 77.7%      | Medium     |             |
| 1685 | Sum of Absolute Differences ...      | <a href="/tag/math">Math (/tag/math)</a> <a href="/tag/greedy">Greedy (/tag/greedy)</a>   | 57.0%      | Medium     |             |
| 1680 | Concatenation of Consecutiv...       | <a href="/tag/math">Math (/tag/math)</a> <a href="/company/amazon">Amazon (/company/amazon)</a>   | 44.3%      | Medium     |             |

