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| **Algo Name** | **Problems** |
| **Sorting Algorithms** | |
| **Counting sort** | Uva–11462, HackerRank + Hacker Earth |
| **Bubble Sort** | HackerRank + Hacker Earth |
| **Insertion sort** | HackerRank + Hacker Earth |
| **Merge sort** | HackerRank + Hacker Earth |
| **Quicksort** | HackerRank + Hacker Earth |
| **Graph Algorithms** | |
| **BFS** | LOJ - 1046, 1094,1337,[UVA - 336](https://uva.onlinejudge.org/index.php?option=com_onlinejudge&Itemid=8&page=show_problem&problem=272) |
| **DFS** | SPOJ - [PT07Y](https://www.spoj.com/problems/PT07Y/),LOJ - 1111 ,[UVA - 336](https://uva.onlinejudge.org/index.php?option=com_onlinejudge&Itemid=8&page=show_problem&problem=272), |
| **IDDFS** | SPOJ - [PT07Y](https://www.spoj.com/problems/PT07Y/), [UVA - 336](https://uva.onlinejudge.org/index.php?option=com_onlinejudge&Itemid=8&page=show_problem&problem=272) |
| **Dijkstra** | SPOJ - [EZDIJKST](https://www.spoj.com/problems/EZDIJKST/)  LOJ - ,[1281](http://lightoj.com/volume_showproblem.php?problem=1281),[1019](http://lightoj.com/volume_showproblem.php?problem=1019),[1099](http://lightoj.com/volume_showproblem.php?problem=1099), CF-20C |
| **A \* Search** | SOLVING - Solving the Puzzle(SPOJ) , LOJ-ID A\* Search |
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| **Data Structurs** | |
| **Segment Tree** | [LOJ  1082](http://lightoj.com/volume_showproblem.php?problem=1082), [LOJ 1112](http://lightoj.com/volume_showproblem.php?problem=1112),LOJ - 1093,[HDU - 2795](https://vjudge.net/problem/11557/origin),[POJ - 3468](https://vjudge.net/problem/14607/origin) |
| **Merge Sort Tree** | [KQUERYO](https://www.spoj.com/problems/KQUERYO/), [MKTHNUM](https://www.spoj.com/problems/MKTHNUM/en/) |
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