HackerRank Online Judge

Prepared by: Mohamed Ayman

Algorithm Engineer at Valeo

Deep Learning Researcher and Teaching Assistant

at The American University in Cairo (AUC)

spring 2020

sw.eng.MohamedAyman@gmail.com

facebook.com/cs.MohamedAyman

linkedin.com/in/cs-MohamedAyman

github.com/cs-MohamedAyman

codeforces.com/profile/Mohamed_Ayman

HackerRank Online Judge – Phase 3 Algorithms Graph–Greedy–String

Lecture Agenda

We will discuss in this lecture the following topics

1- Graph Theory   [65 problems]

2- Greedy   [25 problems]

3- Strings   [50 problems]

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Let's
START**UP**

Lecture Agenda

Section 1: Graph Theory

Section 2: Greedy

Section 3: Strings

HackerRank - Graph Theory

[01] https://www.hackerrank.com/challenges/torque-and-development/problem

[02] https://www.hackerrank.com/challenges/journey-to-the-moon/problem

[03] https://www.hackerrank.com/challenges/synchronous-shopping/problem

[04] https://www.hackerrank.com/challenges/bfsshortreach/problem

[05] https://www.hackerrank.com/challenges/kruskalmstrsub/problem

[06] https://www.hackerrank.com/challenges/even-tree/problem

[07] https://www.hackerrank.com/challenges/the-quickest-way-up/problem

[08] https://www.hackerrank.com/challenges/the-story-of-a-tree/problem

[09] https://www.hackerrank.com/challenges/primsmstsub/problem

[10] https://www.hackerrank.com/challenges/clique/problem

[11] https://www.hackerrank.com/challenges/beautiful-path/problem

[12] https://www.hackerrank.com/challenges/jack-goes-to-rapture/problem

[13] https://www.hackerrank.com/challenges/crab-graphs/problem

[14] https://www.hackerrank.com/challenges/jeanies-route/problem

[15] https://www.hackerrank.com/challenges/johnland/problem

[16] https://www.hackerrank.com/challenges/rust-murderer/problem

[17] https://www.hackerrank.com/challenges/frog-in-maze/problem

[18] https://www.hackerrank.com/challenges/subset-component/problem

[19] https://www.hackerrank.com/challenges/dijkstrashortreach/problem

[20] https://www.hackerrank.com/challenges/toll-cost-digits/problem

[21] https://www.hackerrank.com/challenges/real-estate-broker/problem

[22] https://www.hackerrank.com/challenges/borrowing-money/problem

[23] https://www.hackerrank.com/challenges/value-of-friendship/problem

[24] https://www.hackerrank.com/challenges/floyd-city-of-blinding-lights/problem

[25] https://www.hackerrank.com/challenges/kingdom-connectivity/problem

[26] https://www.hackerrank.com/challenges/computer-game/problem

[27] https://www.hackerrank.com/challenges/problem-solving/problem

[28] https://www.hackerrank.com/challenges/journey-scheduling/problem

[29] https://www.hackerrank.com/challenges/matrix/problem

[30] https://www.hackerrank.com/challenges/episode-recording/problem

[31] https://www.hackerrank.com/challenges/repair-roads/problem

[32] https://www.hackerrank.com/challenges/kth-ancestor/problem

HackerRank - Graph Theory

[33] https://www.hackerrank.com/challenges/journey-scheduling/problem

[34] https://www.hackerrank.com/challenges/matrix/problem

[35] https://www.hackerrank.com/challenges/episode-recording/problem

[36] https://www.hackerrank.com/challenges/bytelandian-tours/problem

[37] https://www.hackerrank.com/challenges/savita-and-friends/problem

[38] https://www.hackerrank.com/challenges/tripartite-matching/problem

[39] https://www.hackerrank.com/challenges/missile-defend/problem

[40] https://www.hackerrank.com/challenges/training-the-army/problem

[41] https://www.hackerrank.com/challenges/jim-and-his-lan-party/problem

[42] https://www.hackerrank.com/challenges/travel-in-hackerland/problem

[43] https://www.hackerrank.com/challenges/beadornaments/problem

[44] https://www.hackerrank.com/challenges/liars/problem

[45] https://www.hackerrank.com/challenges/jumping-rooks/problem

[46] https://www.hackerrank.com/challenges/favourite-sequence/problem

[47] https://www.hackerrank.com/challenges/cat-jogging/problem

[48] https://www.hackerrank.com/challenges/quadrant-queries/problem

HackerRank - Graph Theory

[49] https://www.hackerrank.com/challenges/tree-splitting/problem

[50] https://www.hackerrank.com/challenges/coprime-paths/problem

[51] https://www.hackerrank.com/challenges/minimum-mst-graph/problem

[52] https://www.hackerrank.com/challenges/dag-queries/problem

[53] https://www.hackerrank.com/challenges/huarongdao/problem

[54] https://www.hackerrank.com/challenges/alex-vs-fedor/problem

[55] https://www.hackerrank.com/challenges/vertical-paths/problem

[56] https://www.hackerrank.com/challenges/drive/problem

[57] https://www.hackerrank.com/challenges/tsp-grid/problem

[58] https://www.hackerrank.com/challenges/road-network/problem

[59] https://www.hackerrank.com/challenges/going-office/problem

[60] https://www.hackerrank.com/challenges/ticket/problem

[61] https://www.hackerrank.com/challenges/dfs-edges/problem

[62] https://www.hackerrank.com/challenges/diameter-minimization/problem

[63] https://www.hackerrank.com/challenges/airports/problem

[64] https://www.hackerrank.com/challenges/definite-random-walks/problem

Lecture Agenda

✓ Section 1: Graph Theory

Section 2: Greedy

Section 3: Strings

HackerRank - Greedy

[01] https://www.hackerrank.com/challenges/minimum-absolute-difference-in-an-array/problem

[02] https://www.hackerrank.com/challenges/marcs-cakewalk/problem

[03] https://www.hackerrank.com/challenges/grid-challenge/problem

[04] https://www.hackerrank.com/challenges/luck-balance/problem

[05] https://www.hackerrank.com/challenges/maximum-perimeter-triangle/problem

[06] https://www.hackerrank.com/challenges/beautiful-pairs/problem

[07] https://www.hackerrank.com/challenges/sherlock-and-the-beast/problem

[08] https://www.hackerrank.com/challenges/priyanka-and-toys/problem

[09] https://www.hackerrank.com/challenges/largest-permutation/problem

[10] https://www.hackerrank.com/challenges/mark-and-toys/problem

[11] https://www.hackerrank.com/challenges/jim-and-the-orders/problem

[12] https://www.hackerrank.com/challenges/two-arrays/problem

[13] https://www.hackerrank.com/challenges/candies/problem

[14] https://www.hackerrank.com/challenges/greedy-florist/problem

[15] https://www.hackerrank.com/challenges/angry-children/problem

[16] https://www.hackerrank.com/challenges/pylons/problem

HackerRank - Greedy

[17] https://www.hackerrank.com/challenges/cloudy-day/problem

[18] https://www.hackerrank.com/challenges/board-cutting/problem

[19] https://www.hackerrank.com/challenges/chief-hopper/problem

[20] https://www.hackerrank.com/challenges/sherlock-and-minimax/problem

[21] https://www.hackerrank.com/challenges/accessory-collection/problem

[22] https://www.hackerrank.com/challenges/fighting-pits/problem

[23] https://www.hackerrank.com/challenges/reverse-shuffle-merge/problem

[24] https://www.hackerrank.com/challenges/team-formation/problem

Lecture Agenda

✓ Section 1: Graph Theory

✓ Section 2: Greedy

Section 3: Strings

HackerRank - Strings

[01] https://www.hackerrank.com/challenges/reduced-string

[02] https://www.hackerrank.com/challenges/camelcase/problem

[03] https://www.hackerrank.com/challenges/strong-password

[04] https://www.hackerrank.com/challenges/two-characters

[05] https://www.hackerrank.com/challenges/caesar-cipher-1

[06] https://www.hackerrank.com/challenges/mars-exploration

[07] https://www.hackerrank.com/challenges/hackerrank-in-a-string

[08] https://www.hackerrank.com/challenges/pangrams

[09] https://www.hackerrank.com/challenges/weighted-uniform-string

[10] https://www.hackerrank.com/challenges/separate-the-numbers

[11] https://www.hackerrank.com/challenges/funny-string

[12] https://www.hackerrank.com/challenges/gem-stones

[13] https://www.hackerrank.com/challenges/alternating-characters/problem

[14] https://www.hackerrank.com/challenges/beautiful-binary-string/problem

[15] https://www.hackerrank.com/challenges/the-love-letter-mystery/problem

[16] https://www.hackerrank.com/challenges/palindrome-index/problem

HackerRank - Strings

[17] https://www.hackerrank.com/challenges/anagram/problem

[18] https://www.hackerrank.com/challenges/making-anagrams/problem

[19] https://www.hackerrank.com/challenges/game-of-thrones/problem

[20] https://www.hackerrank.com/challenges/two-strings/problem

[21] https://www.hackerrank.com/challenges/string-construction/problem

[22] https://www.hackerrank.com/challenges/sherlock-and-valid-string

[23] https://www.hackerrank.com/challenges/richie-rich

[24] https://www.hackerrank.com/challenges/maximum-palindromes

[25] https://www.hackerrank.com/challenges/sherlock-and-anagrams

[26] https://www.hackerrank.com/challenges/common-child

[27] https://www.hackerrank.com/challenges/bear-and-steady-gene/problem

[28] https://www.hackerrank.com/challenges/determining-dna-health/problem

[29] https://www.hackerrank.com/challenges/count-strings/problem

[30] https://www.hackerrank.com/challenges/build-a-string/problem

[31] https://www.hackerrank.com/challenges/gridland-provinces/problem

[32] https://www.hackerrank.com/challenges/string-function-calculation/problem

HackerRank - Strings

[33] https://www.hackerrank.com/challenges/challenging-palindromes/problem

[34] https://www.hackerrank.com/challenges/ashton-and-string/problem

[35] https://www.hackerrank.com/challenges/super-functional-strings/problem

[36] https://www.hackerrank.com/challenges/circular-palindromes/problem

[37] https://www.hackerrank.com/challenges/similar-strings/problem

[38] https://www.hackerrank.com/challenges/two-two/problem

[39] https://www.hackerrank.com/challenges/morgan-and-a-string/problem

[40] https://www.hackerrank.com/challenges/cards-permutation/problem

[41] https://www.hackerrank.com/challenges/string-similarity/problem

[42] https://www.hackerrank.com/challenges/save-humanity/problem

[43] https://www.hackerrank.com/challenges/find-strings/problem

[44] https://www.hackerrank.com/challenges/palindromic-border/problem

[45] https://www.hackerrank.com/challenges/two-strings-game/problem

[46] https://www.hackerrank.com/challenges/letter-islands/problem

[47] https://www.hackerrank.com/challenges/pseudo-isomorphic-substrings/problem

[48] https://www.hackerrank.com/challenges/how-many-substrings/problem

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