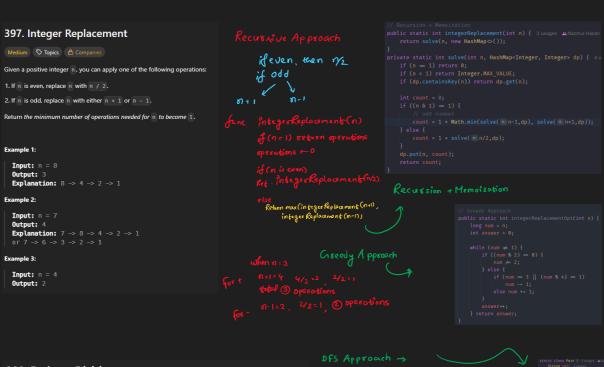
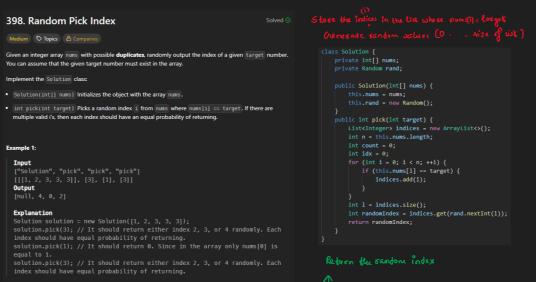
Weekly Contest - 4





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399. Evaluate Division
                                                                                                                                                                                                                                                              396. Rotate Function
                                                                                                     Say, ap 6 = 1/2, then b/a = 2
                                                                                                                                                                                                                                                                Medium  
○ Topics  
△ Companies
 Medium ♥ Topics 🛆 Companies 🗘 Hint
                                                                                                                                                                                                                                                              You are given an integer array nums of length n.
You are given an array of variable pairs equations and an array of real numbers values, where
equations [i] = [A<sub>i</sub>, B<sub>i</sub>] and values [i] represent the equation A_i / B_i = \text{values}[i]. Each A_i or B_i
                                                                                                                                                                                                                                                              Assume arrik to be an array obtained by rotating nums by k positions clock-wise. We define the rotation
                                                                                                                pair + {variable, value}
is a string that represents a single variable.
                                                                                                                                                                                                                                                              function F on nums as follow:
                                                                                                             0/6=2, 6/6=3
You are also given some queries, where queries [j] = [C_j, D_j] represents the j<sup>th</sup> query where you

    F(k) = 0 * arr<sub>k</sub>[0] + 1 * arr<sub>k</sub>[1] + ... + (n - 1) * arr<sub>k</sub>[n - 1].

must find the answer for C_i / D_i = ?.
                                                                                                                                                                                                                                                              Return the maximum value of F(0), F(1), ..., F(n-1)
Return the answers to all queries. If a single answer cannot be determined, return -1.0.
                                                                                                                                                                                                                                                               The test cases are generated so that the answer fits in a 32-bit integer
                                                                                                    b -> fa, 1/2} {c, 3}
Note: The input is always valid. You may assume that evaluating the queries will not result in division by
                                                                                                   c → {b, 1/3}
                                                                                                            Now, same as Craph. Run a offs
source & q[0], destination & q[1]
                                                                                                                                                                                                                                                              Example 1:
Note: The variables that do not occur in the list of equations are undefined, so the answer cannot be
                                                                                                                                                                                                                                                                Input: nums = [4,3,2,6]
determined for them.
                                                                                                      of = ? Run of from 'a'
                                                                                                                                                                                                                                                                Output: 26
Explanation:
                                                                                                          9/2 = 2, b/c=3 → c:b/3
Example 1:
  Input: equations = [["a","b"],["b","c"]], values = [2.0,3.0], queries =
  Output: [6.00000,0.50000,-1.00000,1.00000,-1.00000]
  Explanation:
  Given: a / b = 2.0, b / c = 3.0
                                                                                                                                                                                                                                                                Input: nums = [100]
Output: 0
  note: x is undefined ⇒ -1.0
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