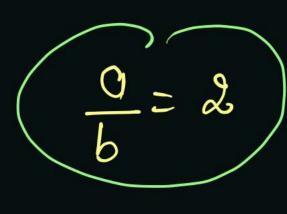


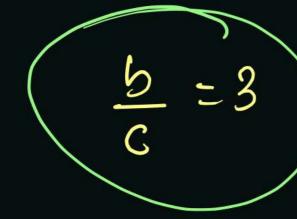
Order of compilation? compilation order of e db c ah g f j i a anopa topopation god topolopical 8084 Cristyhacbde printing 7 post order -e add in stack

Evaluate Division

Sunday, 11 July 2021

8:50 AM



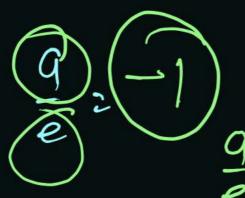


doble []

 $\frac{Q}{C} = \frac{Q}{C}$



$$\frac{a}{e} = ?$$



Link: https://leetcode.com/problems/evaluate-division/

399. Evaluate Division

Medium ☐ 3676 ☐ 287 ☐ Add to List ☐ Share

You are given an array of variable pairs equations and an array of real numbers values, where equations[i] = $[A_i, B_i]$ and values[i] represent the equation A_i / B_i = values[i]. Each A_i or B_i is a string that represents a single variable.

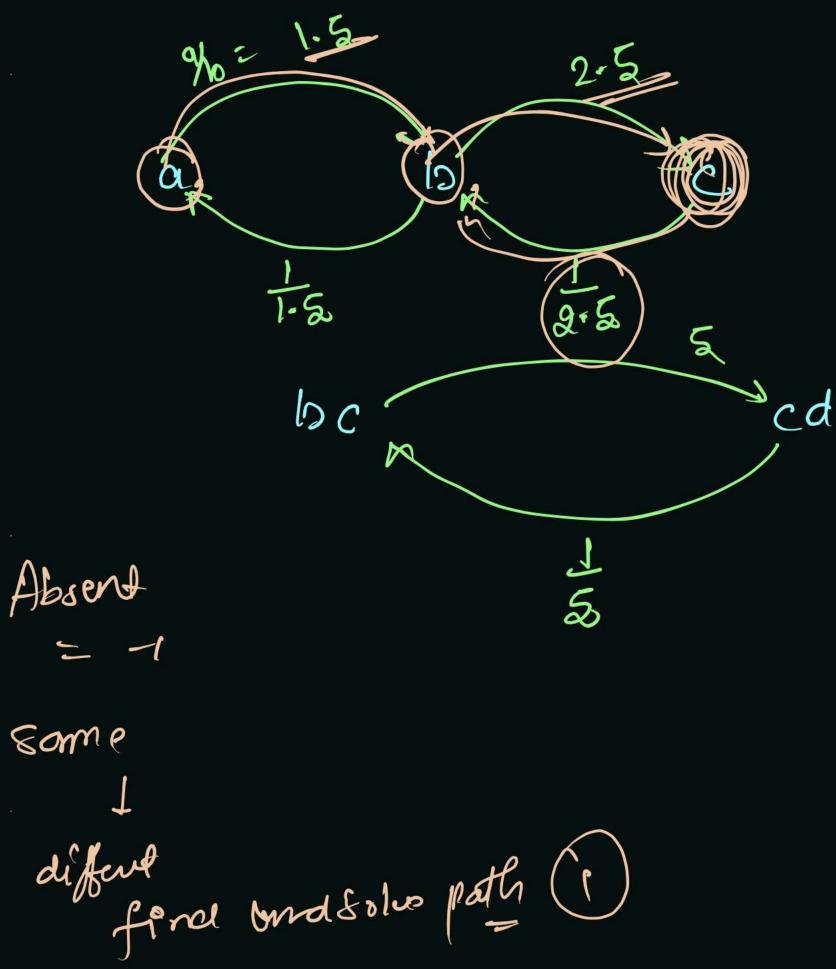
You are also given some queries, where queries[j] = $[C_j, D_j]$ represents the jth query where you must find the answer for $C_j / D_j = ?$.

Return the answers to all queries. If a single answer cannot be determined, return -1.0.

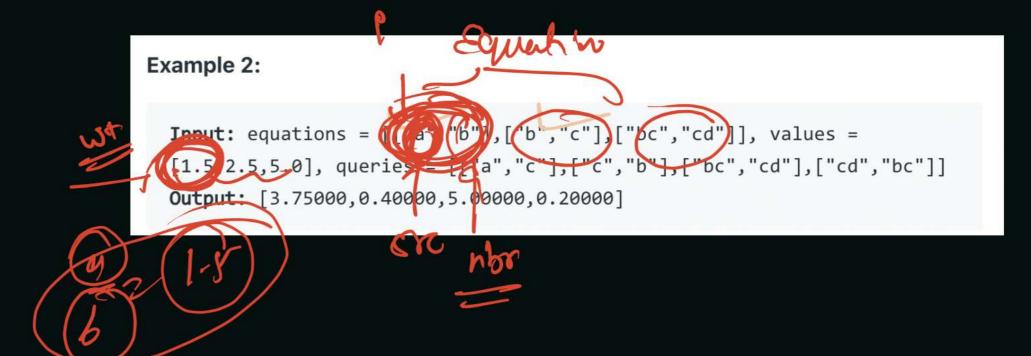
Note: The input is always valid. You may assume that evaluating the queries will not result in division by zero and that there is no contradiction.

Example 1:

```
Input: equations = [["a","b"],["b","c"]], values = [2.0,3.0], queries =
[["a","c"],["b","a"],["a","e"],["a","a"],["x","y"]]
Output: [6.00000,6.50000,-1.00000,1.00000,-1.00000]
Explanation:
Given: a / b = 2.0, b / c = 3.0
queries are: a / c = ?, b / a = ?, a / e = ?, a / a = ?, x / x = ?
return: [6.0, 0.5, -1.0, 1.0, -1.0]
```



> 1.5x 25 9 2 1.5 x 2.1



HashMalo (String, Arraylist (Edge))

graph

(Keyset M) // (O(1)