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given a target node in a directed graph, find the shortest cycle including this node, return the whole path.

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5 Answers (/question?id=574469929

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Implement a trie tree which can add and search word, an extra "*" sign will also be considered, similar to Leetcode 211 but with "*"

'*' means any sequence of characters (including the empty sequence).

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4 Answers (/question?id=571307195

1 of 1 vote

Given a Map (representing an old phone key number and possible letters present there) and a sequence of keys return all possible combinations of strings that are possible to produce.

```
Map<String, String[]> map = new HashMap<String, String[]>(
    map.put("1", new String[] { "a", "b", "c" });
    map.put("2", new String[] { "c", "d", "e" });
    map.put("3", new String[] { "f", "g", "h" });

String in = "12";

List<String> mix(String in, Map<String, String[]> map)
```

The result for "1,2" should be [ac, bc, cc, ad, bd, cd, ae, be, ce]

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```
given a binary array, you can flip 0 -> 1 or 1 -> 0 to mak
are in the left part and all the 0 to the right part, retu
example 1
 1011000  -> 1111000 only need one flip 0 -> 1
 example 2
 00001 -> 10000 require 2 flips
 public int findMiniFlip(int[] nums) {

    }
}
```

18 Answers (/question?id=598471817

(/question?id=5984718171406336) - ajay.raj (/user?id=5164311774232576)
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Given a string s, break s such that every substring of the partition can be found in the dictionary.
Return the minimum break needed.
Example
Given a String CatMat
Given a dictionary ["Cat", "Mat", "Ca", "tM", "at", "C", "Dog", "og", "Do"]
return 1
we can break the sentences in three ways, as follows:
CatMat = Cat Mat break 1
CatMat = Ca tM at break 2
CatMat = C at Mat break 2
but the first way has the minimum break, thus return 1
public int wordBreak(String s, Set<String> dict) {
// Write your code here
}

14 Answers (/question?id=568242830

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Given a 2d grid map of '1's (land) and '0's (water), find the perimeter of each island. An island is surrounded by water and is formed by connecting adjacent lands horizontally or vertically. You may assume all four edges of the grid are all surrounded by water.

6 Answers (/question?id=563897934

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To determine if two graphs have isomorphism or not

2 Answers (/question?id=569917062

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Give an array A, find the (i, j) pairs that satisfy the condition.
Condition 1: A [j] = A [i] + 1, Condition 2: j - i is as large as possible
Followup condition 1 is changed to A [j]> A [i]

7 Answers (/question?id=51794446

(/question?id=5179444686749696) - ajay.raj (/user?id=5164311774232576)
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find a shortest string to cover all of a list of string,
For example, [aab, aabb, bc], should return aabbc,
because aab, aabb, bc are all the substring of aabbc

5 Answers (/question?id=571559699

(/question?id=5715596997033984) - ajay.raj (/user?id=5164311774232576)
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Given a linked list with next and random pointer, deepcopy the linked list and return new head.

Node {
char val,
Node next,
Node random }

4 Answers (/question?id=653529416

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A {
val: 'a'
next: D
random: G}

D {
val: 'd'
next: G
random: A}

G {
val: 'g'
next: null
random: D}

| |
| V
A -> D -> G -> null

| |
| V
A' -> D' -> G' -> null

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Explain in detail about your favourite android api.

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0 Answers (/question?id=518619127

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given 2 list of interval representing users online offline timestamp e.g (already sorted), find all intervals that both of users are online.

e.g A= [(3, 5), (7, 11)] B=[(2, 4), (9, 10)] --> [(3, 4), (9, 10)].

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4 Answers (/question?id=524073628

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Facebook
-Phone: LC304 & longest arithmetic sequence. Return the sequence.

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1 Answer (/question?id=571370157

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Given an array of integers and k, find the difference between the number of the strictly increasing number of subarrays (of size more than one) and the number of the strictly decreasing subarray in the window of size k. your method should be time and space efficent
example
int[] nums = {188930, 194123, 201345, 154243, 154243};
int k = 3;
Output
3, 0, -1
Explanation
For the first window of [188930, 194123, 201345], there are 3 increasing subranges ([188930, 194123, 201345], [188930, 194123], and [194123, 201345]) and 0 decreasing, so the answer is 3. For the second window of [194123, 201345, 154243], there is 1 increasing subrange and 1 decreasing, so the answer is 0. For the third window of [201345, 154243, 154243], there is 1 decreasing subrange and 0 increasing, so the answer is -1.
public int[] getdiff(int[] nums, int l){
}

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lionelsm786786 said We have the most dedicated people at work, who not ...


lionelsm786786 said We have all the things that are required to help ...


lionelsm786786 said It is a fact that we have been working over ...


lionelsm786786 said Although there are many charities to donate in the world ...


lionelsm786786 said We have all the things that are required to help ...

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```
There is an unordered interval stream, write a method, retu
class Interval{
    int start;
    int end;
}
public List<Integer> countCoverLength(Iterator<Interval> s

}
```

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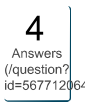
'.'Matches any single character,' * 'Matches any sequence of characters (including the empty sequence).
There are two input, one is string pattern, and the other is dictionary like dict = ["cat", "cats", "and", "sand", "dog"].
return a boolean: whether to find a dictionary in the pattern match the word
eg: dict = ["cat", "cats", "and", "sand", "dog"].
pattern = "* t", -> true (can match cat)
pattern = ".a *" -> true (can match cat, cats, can also match sand, because * can also express empty sequence)



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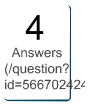
How would you store and retrieve values in Memcache if the values are larger than the individual value size allowed by Memcache?



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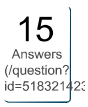
node {
node * left, * right;
}
Given a list of node to determine whether the node in the list can form a valid binary tree. several points of judgment
1. need to ensure that all left, right pointer point to the node inside list
2. no cycle
3. All node must be connected
Boolean isValidTree(List<Node> list){}



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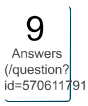
Given a matrix of N * M, given the coordinates (x, y) present in a matrix, Find the number of paths that can reach (0, 0) from the (x, y) points with k steps (requires exactly k, k> = 0)
From each point you can go up, down, left and right in four directions.

For example, the following matrix:
---
0 0 0 0 0
0 0 0 0 0
0 0 0 0 0
0 0 0 0 0
(x, y) = (1, 1), k = 2, the output is 2



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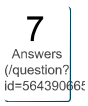
Find all words [A-Z] in a dictionary (about 1M words) that are made of a subset (in any order) of the chars in the input parameter [A-Z].
ex: input "ACRAT" (10 to 20 chars, up to 30 worst case)
matching words: "A", "CAR", "ACA", "ART", "RAC".
non-matching words: "BAR", "AAA"

follow up : the input is a list of words. Return a list of words that each list is formed by exactly the characters in the input list.
For example: two lists {“DEBIT”, “CARD”} and{“BAD”, “CREDIT”} are formed by the same exact group of characters.



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Given a sorted list of integers, square the elements and give the output in sorted order.

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14 Answers (/question?id=575447897

Find the distance between the farthest two elements in a binary tree.

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14 Answers (/question?id=575681275

Given a string separated by a space like "123456 abc+efg" determine the solution by mapping integers to letters like a:1, b:2, c:3, d:4, e:5, f:6. The only operations allowed were + or -. So the calculated solution that made the tests pass was 123+456 = 579.

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8 Answers (/question?id=516263476

How many subsets of a given array sum to zero?

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9 Answers (/question?id=576641321

Given numbers 1 through 52, take 5 unique numbers and determine if the number 42 can be made using any combination of addition (+), subtraction (-), multiplication (*), and division (/) on those 5 numbers

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5 Answers (/question?id=516604939

/* Intersection of two sorted interval lists, A=[(1,2), (5,7)..]
B=[(2,6)...] return [(5,6)..] */

```
import java.util.*;
class Interval{
    int start;
    int end;
    public Interval(int start, int end){
        this.start = start;
        this.end = end;
    }
}
class Solution {

    public List<Interval> Intersection(Interval[] i1, Inte
```

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15 Answers (/question?id=568256756

* Given a string on length N. You can swap only the adjacent elements and each element can be swapped atmost once.
Find the no of permutations of the string that can be generated after performing the swaps as mentioned.
Ex –
string – “12345”
Ans = 8
Explanations- (All the permutations)
12345
21345
13245
12435
12354
21435
13254
21354

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15 Answers (/question?id=567880302

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Given an array of n positive integers, find the number of subarrays such that product of the elements of those subarrays are less than k.
For eg. Arr= {2, 3, 6} k=10
No of such subarrays= 4

13 Answers (/question?id=576804426)

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Print the levels of a binary tree in reverse order using stack and recursion

```
Given a binary tree, return the bottom-up level order trav

For example:
Given binary tree
    3
   / \
  9  20
    /  \
   15   7
return its bottom-up level order traversal as:
[
  [15,7],
  [9,20],
  [3]
]
```

```
public List<List<Integer>> levelOrderBottom(TreeNode root) {
}
```

4 Answers (/question?id=571222458)

(/question?id=5712224583680000) - ajay.raj (/user?id=5164311774232576) October 02, 2017 (2017-10-02T06:03:56.927870Z) in United States | Report Duplicate (/reportduplicate?id=5712224583680000) | Flag (/flagquestion?id=5712224583680000)

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given an array, find whether there exists 3 elements a,b,c in it such that a+b=c using efficient method.

21 Answers (/question?id=570812020)

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