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♦ E Problem List 〈 > 💢
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                                                                                                                                                                                              TypeScript ∨ • Auto
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2700. Differences Between Two Objects Premium
                                                                                                                                                                                                  1 type JSONValue = null | boolean | number | string | JSONValue[] | { [key: string]: JSONValue };
2 type Obj = Record<string, JSONValue> | Array<JSONValue>
 Medium 🖺 Companies 🗘 Hint
                                                                                                                                                                                                   4 function objDiff(obj1: any, obj2: any): any {
Write a function that accepts two deeply nested objects or arrays obj1 and obj2 and returns a new object representing their
                                                                                                                                                                                                              // support variables
                                                                                                                                                                                                              // support variables
let t1 = Array.isArray(obj1) ? 'array' : typeof obj1,
    t2 = Array.isArray(obj2) ? 'array' : typeof obj2;
// base case - different types
if (t1!== '2) return [obj1, obj2];
// both are objects
if (t1!== '0bject' || t1 === 'array') return object.fromEntries(
    Object.entries(obj1).reduce((acc, [key, el1]) => {
        const el2 = obj2[key];
    // el2 does not exist or el1 === el2
    if (el2 === undefined || el1 === el2) return acc;
    // el1 and el2 are different
    const tmp = obj0iff(el1, el2);
The function should compare the properties of the two objects and identify any changes. The returned object should only contains
keys where the value is different from obj1 to obj2.
For each changed key, the value should be represented as an array [obj1 value, obj2 value]. Keys that exist in one object but not in the other should not be included in the returned object. The end result should be a deeply nested object where each leaf
value is a difference array.
When comparing two arrays, the indices of the arrays are considered to be their keys.
You may assume that both objects are the output of JSON.parse.
Example 1:
                                                                                                                                                                                              ☑ Testcase | >_ Test Result
    Input:
    obj1 = {}
obj2 = {
"a": 1,
                                                                                                                                                                                                Accepted Runtime: 74 ms
                                                                                                                                                                                                 • Case 1 • Case 2 • Case 3 • Case 4
    Output: {}
   Explanation: There were no modifications made to obj1. New keys "a" and "b" appear in obj2, but keys that are added or removed should be ignored.
                                                                                                                                                                                                  {}
                                                                                                                                                                                                  {"a": 1, "b": 2}
 Example 2:
    Input:
   Input:
obj1 = {
    "a": 1,
    "v": 3,
    "x": [],
    "z": {
        "a": null
}
                                                                                                                                                                                                  {}
       }
    }
obj2 = {
   "a": 2,
   "v": 4,
   "x": [],
   "z": {
      "a": 2
       }
    Output:
  {
    "a": [1, 2],
    "v": [3, 4],
    "z": {
        "a": [null, 2]
   FExplanation: The keys "a", "v", and "z" all had changes applied. "a" was changed from 1 to 2, "v" was changed from 3 to 4, "z" had a change applied to a child object, "z.a" was changed from null to 2.
Example 3:
    Input:
       "z": [1, 2, 4, [2, 5, 7]]
    }
obj2 = {
   "a": 5,
   "v": 7,
   "z": [1, 2, 3, [1]]
    Output:
       "v": [6, 7],
"z": {
   "2": [4, 3],
   "3": {
      "0": [2, 1]
```

Explanation: In obj1 and obj2, the keys "v" and "z" have different assigned values. "a" is ignored because the value is unchanged. In the key "z", there is a nested array. Arrays are treated like objects where the indices are keys. There were two alterations to the the array: z[2] and z[3][0]. z[0] and z[1] were unchanged and thus not included. z[3][1] and z[3][2] were removed and thus not included.

```
Input:
obj1 = {
    "a": {"b": 1},
}
obj2 = {
    "a": [5],
}
Output:
{
    "a": [{"b": 1}, [5]]
}
Explanation: The key "a" exists in both objects. Since the two associated values have different types, they are placed in the difference array.
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Example 5:

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