23. Merge k Sorted Lists

Hard 12825 490 Add to List Share

You are given an array of `k` linked-lists `lists`, each linked-list is sorted in ascending order.

Merge all the linked-lists into one sorted linked-list and return it.

Example 1:

```
Input: lists = [[1,4,5],[1,3,4],[2,6]]
Output: [1,1,2,3,4,4,5,6]
Explanation: The linked-lists are:
[
  1->4->5,
  1->3->4,
  2->6
]
merging them into one sorted list:
1->1->2->3->4->4->5->6
```

Example 2:

```
Input: lists = []
Output: []
```

Example 3:

```
Input: lists = [[]]
Output: []
```

Constraints:

- `k == lists.length`
- `0 <= k <= 10^4`
- `0 <= lists[i].length <= 500`
- `-10^4 <= lists[i][j] <= 10^4`
- `lists[i]` is sorted in **ascending order**.

```
 *     List
next(nullpt
 *     List
*next) : va
 * };
 */
class Solut
public:
    ListNod
mergeKLists
lists) {
        if(

        }
        int
lists.size(
        whi

mergeTwoLis
lists[right

        }
        ret
    }

private:
    ListNod
mergeTwoLis
ListNode* l
        Lis
        aut

        whi

>val){
```

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Your input [[1

Output [1,

Expected [1,

Console Use