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* Definition for singly-linked list.
 * struct ListNode {
     int val;
       struct ListNode *next;
* };
struct ListNode* mergeKLists(struct ListNode** lists, int listsSize){
    struct ListNode* tmp;
struct ListNode* node_pool;
    int* map;
    int max;
   int min;
    int index;
    int count;
    int count_index;
   int map_length;
   max = INT_MIN;
min = INT_MAX;
    count = 0;
   node_pool = NULL;
    for(index = 0; index < listsSize; index++)</pre>
        tmp = lists[index];
        while(tmp != NULL)
             if (tmp->val < min)</pre>
                 min = tmp->val;
             }
             if(tmp->val > max)
                 max = tmp->val;
            tmp = tmp->next;
count++;
    }
    if (count)
        map_length = max - min + 1;
map = (int*)calloc(sizeof(int), map_length);
        node_pool = (struct ListNode*) malloc(sizeof(struct ListNode) * count);
        for(index = 0; index < listsSize; index++)</pre>
            tmp = lists[index];
             while(tmp != NULL)
                 map[tmp->val - min]++;
                 tmp = tmp->next;
        count_index = 0;
        for(index = 0; index < map_length; index++)</pre>
             while (map[index]>0)
                 node_pool[count_index].val = index + min;
                 if (count_index < (count-1))</pre>
                      node_pool[count_index].next = &node_pool[count_index+1];
                 }else
                     node_pool[count_index].next = NULL;
                 count_index++;
                 map[index]--;
    return node_pool;
```