


Rearrange array by sign → 2149

→ Every consecutive pair of integers have opp sign

→ for all integers with the same sign, the order in which they were present in nums is preserved

→ begin with pos integer

3	1	-2	-5	2	-4
0	1	2	3	4	5

↓

3	-2	1	-5	2	-4
0	1	2	3	4	5

```
class Solution {
public:
    vector<int>
    rearrangeArray(vector<int>& nums) {
        vector<int> pos;
        vector<int> neg;

        for(int i = 0; i < nums.size(); i++)
        {
            if(nums[i] >= 0){
                pos.push_back(nums[i]);
            }
            else{
                neg.push_back(nums[i]);
            }
        }

        int posIndex = 0;
        int negIndex = 0;
        int k = 0;
        while(k < nums.size()){
            nums[k] = pos[posIndex];
            posIndex++;
            k++;
            nums[k] = neg[negIndex];
            negIndex++;
            k++;
        }
        return nums;
    }
};
```