```cpp
// Third_Max
// Tailor Burkham
class Solution {
public:
    int thirdMax(vector<int>& nums) {
        sort(nums.begin(), nums.end(), greater<int>());
        int count = 1;
        for (int i = 1; i < nums.size(); ++i) {
            if (nums[i] != nums[i - 1]) {
                count++;
                if (count == 3) {
                    return nums[i];
                }
            }
        }
        return nums[0];
    }
};
```