Problem Link:

<https://leetcode.com/problems/third-maximum-number/>

Solution:

class Solution {

public:

int thirdMax(vector<int>& nums) {

set<int> s;

for(int n : nums)

{

s.insert(n);

if(s.size() > 3)

{

s.erase(s.begin());

}

}

if(s.size() < 3)

{

return \*s.rbegin();

}

return \*s.begin();

}

};