1429. First Unique Number <Medium>

class FirstUnique {

private:

unordered\_map<int, int> m; //<num, count>

queue<int> q; //<unique nums>

public:

FirstUnique(vector<int>& nums) {

for(int num: nums)

{

if(++m[num] == 1)

q.push(num);

}

}

int showFirstUnique() {

while(!q.empty() && m[q.front()] > 1)

q.pop();

return q.empty() ? -1 : q.front();

}

void add(int value) {

if(++m[value] == 1)

q.push(value);

}

};