Problem Link:

<https://leetcode.com/problems/max-sum-of-a-pair-with-equal-sum-of-digits/submissions/1540674380/?envType=daily-question&envId=2025-02-12>

Solution:

class Solution {

public:

int sumd(int num) {

int sum = 0;

while(num > 0)

{

sum += num % 10;

num /= 10;

}

return sum;

}

int maximumSum(vector<int>& nums) {

unordered\_map<int, vector<int>> mp;

for(int num : nums)

{

int sum = sumd(num);

mp[sum].push\_back(num);

}

int m = -1;

for(auto& p : mp)

{

if(p.second.size() > 1)

{

sort(p.second.rbegin(), p.second.rend());

m = max(m, p.second[0] + p.second[1]);

}

}

return m;

}

};