**Allocate Books**

#include <bits/stdc++.h>

using namespace std;

bool isPossible(int n, int m, vector<int>& books, long long int mid) {

int dayCount = 1;

long long int timeCount = 0;

for (int i = 0; i < m; i++) {

if (timeCount + books[i] <= mid) {

timeCount += books[i];

} else {

dayCount++;

if (dayCount > n || books[i] > mid) {

return false;

} else {

timeCount = books[i];

}

}

}

return true;

}

long long ayushGivesNinjatest(int n, int m, vector<int>& time) {

long long int s = 0;

long long int sum = accumulate(time.begin(), time.end(), 0LL); // Calculate sum of book values

long long int e = sum;

long long int ans = -1;

while (s <= e) {

long long int mid = s + (e-s) / 2;

if (isPossible(n, m, time, mid)) {

ans = mid;

e = mid - 1;

} else {

s = mid + 1;

}

}

return ans;

}