**SOLUTION**

#include <bits/stdc++.h>

using namespace std;

int main()

{

//Write code here

//SPEEDUP

ios::sync\_with\_stdio(false);

std::cin.tie(nullptr);

std::cout.tie(nullptr);

unsigned long long int n;

cin>>n;

unsigned long long int a[n],b[n];

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

cin>>a[i];

}

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

cin>>b[i];

}

unsigned long long int m=INT\_MAX;

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

m = min((b[i]/a[i]),m);

}

cout<<m<<endl;

}

**TIME COMPLEXITY: O(N)**

**SPACE COMPLEXITY: O(N)**