#include<bits/stdc++.h>

using namespace std;

int minCoins(int coins[], int m, int V)

{

int res = INT\_MAX;

if (V == 0)

return 0;

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

{

if (coins[i] <= V)

{

int sub\_res = minCoins(coins, m, V-coins[i]);

if (sub\_res != INT\_MAX && sub\_res + 1 < res)

res = sub\_res + 1;

}

}

return res;

}

int main()

{

int coins[10], m, i, V;

cout<<"Enter the coins available : ";

cin>>m;

cout<<"\nEnter the coins values : ";

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

cin>>coins[i];

cout<<"\nEnter the total value : ";

cin>>V;

cout << "\nMinimum coins required is " << minCoins(coins, m, V) <<endl;

cout<<coin[sub\_res[v]];

return 0;

}