``Question Panel

01 02

Section: Coding

Question No: 01

Elevator Installation**:**

Ravi wants to install an elevator at his

home for domestic uses. He has everything except equal weight boxes to balance it on **the** either side(two weights) of the elevator. Help ravi installing the elevator with the multiple weight boxes he has by returning the final weight which can be formed by merging possible unequal weights. **The** only condition here is the final weight boxes should

**be** of equal weights. Return the maximum possible final weight so that elevator can be more balanced.

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Options

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Please compile the code once in order to save it. Navigating t it will result in losing the code.

Compile

Submit Code

Code submitted successfully

#include <stdio.h>-

2

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12

int main() {

int a[6],1,5=0,x;

for(i=0;i<6;i++) {

scanf("%d", &a[1]);

for(i=0;ics;i++){ s=s+a[i];

if (s==a[i+1]){

x=a[i+1];

printf("d",x);=

C

Sample Input: i

16

return e;

Previous

137

Question No: 02

Binary Tree Combinations:

Given the elements of binary tree in an array format. You need **to return the** number of possible ways **to** reorder the elements **in** the **array** such that the binary tree is similar to the older one.

Sample Input:4 3 5

Output: 1

Explanation: 4

3 5

Options

Please compile the code once in order to save it. Navigating to another question without compiling it will result in losing the code.

Compile

Submit Code

Code submitted successfully.

16

17

**18**

num--n.split()

def no(nums):

---memo-=-dict()

MOD-10\*\*9+7 def comb(m,n):

if me or n==0:4

return 14

if(m,n)not in-memo::

memo[(m, n)]-

-return-memo[(**m**, n)]

def f(nums):

if len(nums)<=2:0

return-1

root =

-left=[]

nums[0]

comb (m-1,n)+comb (m,n-1)

Python

кл KN

[4,5,3] **is** the only possible way to reorder such that the binary tree doesn't change.

29

right=[]

for n in nums[1:]:

if neroot:

left.append(n)

if nǝroot:

right, append(n)

return comb (len(left) return (f(nums)-1) MOD

if(num[e]=='9');

len(right)) f(left) f(right)

32

print(3)

else:

35

print(no(num))

End Tast

11:20 ENG

tion Panel

Time Left: 00:44:34

02

Question No: 02

each of the next element is greater than or equal to twice of the previous element but less than or equal to ma

Example 1:

Input:

Q

Options

Please compile the code once in order to save it. Navigating to and It will result in losing the code

Select Langu

10

4

Output: 4

Explaination There should be n elements and value of last element should be at-most m.

The sequences are (1, 2, 4. 8), (1, 2, 4.

(1.2, 4, 101, 1, 2, 5, 10**)**.

Section Coding

Question No: 01

02

Q

Options

Next se

Elevator Installation:

Ravi wants to install an elevator at his home for domestic uses. He has everything except equal weight boxes to balance it on the either side(two weights) of the elevator. Help ravi installing the elevator with the multiple weight boxes he has by returning the final weight which can be formed by merging possible unequal weights. The only condition here is the final weight boxes should be of equal weights. Return the maximum possible final weight so that elevator can be more balanced.

Please compile the code once in order to save it. Navigating

it will result in losing the code.

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le weight boxes he has by ing the final weight which can ormed by merging possible **ual** weights. The only condition is the final weight boxes should

of equal weights. Return the imum possible final weight so

elevator can be more balanced.

Time Left: 00:41:13

Options

Please compile the code once in order to save it. Nav it will result in losing the code.

Compile

Submit Code

Code submitted successfully.

1 #include <stdio.h>

2

nple Input:

3

tput:

planation Here to balance the eights the only possible way is to erge the weights 1 **and 2,** such that

int main()-(-

A

5

int a[6],i,s=0,x;

6

**8**

for(i=0;i<6;i++)-

scanf("%d",**&a**[i]);-

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

t

10

**11**

if(a[i+1])-

12

x-a[i+1];-

printf("%d",x);

16

C

Question NO. OT

possibilities **where** the sum **on** both

the dice is equal **to** the **output** sum.If there **are** no possibilities return 0.

Options

Please compile the code once in order to save it. Navigating to another question without compiling it will result in losing the code.

Sample Input:

10

Output:

3

Compile

Submit Code

Code submitted successfully.

10

1

3

4

7

#include <stdio.h>

int main()-

...int-n, count=0;

scanf("%d", &n); -

...for (int i=1;i<=6;i++)-

for (int j=1;j<=6;j++)-

DO

Explanation:

**The** possible outcomes with the output **sum of** 10 is (5,5),(6,4) and (4,6)

9

10.

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17 }

if(i+jn)-

--

count++;

}

printf("%d", count);

return 0;

C

КУ

once you select the language.

Write a Program TO find SUM of ALL integers BETWEEN two integer numbers taken as input AND are

divisible BY 7.

Constraint

input1 <input2

Please compile the code once in order t it will result in losing the code.

Compile

Submit Code

Code submitted successfully.

import datetime:|

from datetime import timedelta

import re

import os

import math

n=int(input())=

m-int(input())

Sum=0 |

for i in range(n+1,m):

it. Navigating to another question without compiling

on

Example Input:

1

20

18

if 17-=0:1

11

Sum+=1"

12

print(sum)

13

nent is greater than he previous element

il to m.

1

2

Code submitted successfully.

import datetimen

from datetime import timedelta

3

import ret

4

import os

5

import math:

6

import itertools:

7

n=int(input())

8

9

10

m=int(input())

def getTotal (m, n):

11

12

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if n==0:

14

if m<n:F

return ell

return 1H

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18

ere

should

be

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res (getTotal (m-1,n)+getTotal (m//2,n-1)) return res

a=getTotal(n,m)

20

print(a)

21