



STUDENT REPORT

DETAILS

Name

DEEKSHITHA B

Roll Number

3BR23CS042

EXPERIMENT

Title

CHOCOLATE JAR

Description

You are given an integer array of size N, representing jars of chocolates. Three students A, B, and C respectively, will pick chocolates one by one from each chocolate jar, till the jar is empty, and then repeat the same with the rest of the jars. Your task is to find and return an integer value representing the total number of chocolates that student A will have, after all the chocolates have been picked from all the jars.

Note: Once a jar is done A will start taking the chocolates from the new jar.

Input Format :

input1: An integer value N representing the number of jars.

input2: An integer array representing the quantity of chocolates in each jar.

Output Format:

Return an integer value representing the total number of chocolates that student A will have, after all the chocolates are picked.

Example:

Input:

3

10 20 30

Output:

21

Explanation:

Jar 1: 10 chocolates -> A-4, B-3, C-3

Jar 2: 20 chocolates -> A-7, B-7, C-6

Jar 3: 30 chocolates -> A-10, B-10, C-10

so A gets a total of $4+7+10=21$ chocolates.

Source Code:

```

def max_problems_solved(N, P):
    # Total available time for solving problems (240 minutes minus travel time)
    remaining_time = 240 - P

    # Initialize counters for time and problems solved
    time_spent = 0
    count = 0

    # Iterate over problems from 1 to N
    for i in range(1, N + 1):
        # Time to solve the ith problem
        time_to_solve = 5 * i

        # Check if there's enough time left to solve this problem
        if time_spent + time_to_solve > remaining_time:
            break # Max can't solve more problems

        # Update the time spent and count of problems solved
        time_spent += time_to_solve
        count += 1

    return count
N=int(input())
P=int(input())
result=max_problems_solved(N,P)
print(result)

```

RESULT

0 / 5 Test Cases Passed | 0 %