



|  |  |                                   |
|--|--|-----------------------------------|
|  <b>Marwadi</b><br>University | <b>Marwadi University</b><br><b>Faculty of Technology</b><br><b>Department of Information and Communication Technology</b> |                                   |
| <b>Sem : 4</b>   | <b>Name : VEDANT BHARAD</b>  |                                   |
| <b>Day : 82</b>  | <b>Date : 7/1/2023</b>   | <b>Enrollment No: 92100133023</b> |

## CP Club 365 Days Challenge

Programming language – C++

### Problem Statement


[https://www.codechef.com/DSAPREP\\_01/problems/RAIN8TEST](https://www.codechef.com/DSAPREP_01/problems/RAIN8TEST)

|  |  |                                   |
|--|--|-----------------------------------|
|  <b>Marwadi</b><br>University | <b>Marwadi University</b><br><b>Faculty of Technology</b><br><b>Department of Information and Communication Technology</b> |                                   |
| <b>Sem : 4</b>   | <b>Name : VEDANT BHARAD</b>  |                                   |
| <b>Day : 82</b>  | <b>Date : 7/1/2023</b>   | <b>Enrollment No: 92100133023</b> |

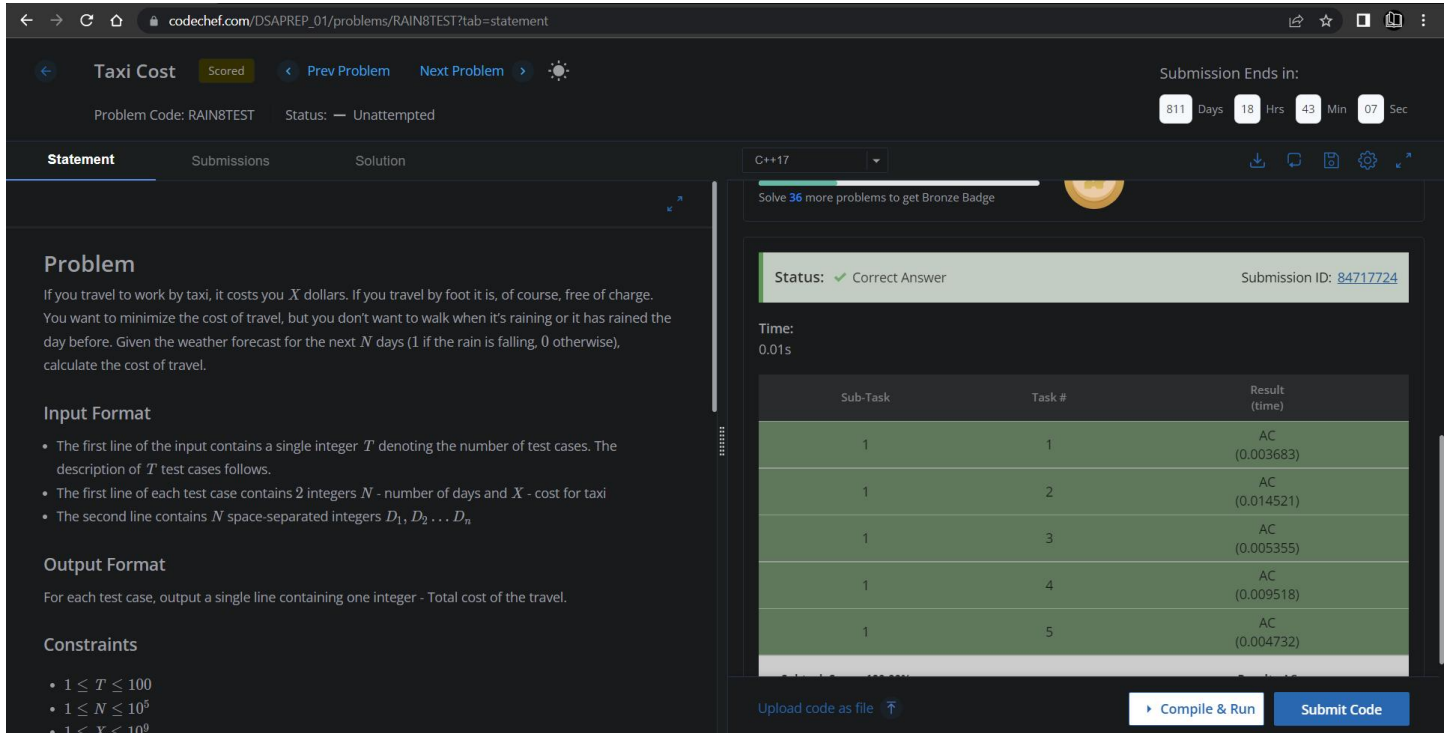
## Your Code:

```
// 0x82Day of 0x365Days challenge
// VEDANT BHARAD
// 7-1-2023
#include <iostream>
using namespace std;

int main() {
    // your code goes here
    int t;
    cin>>t;
    while(t--){
        int n,x;
        cin>>n>>x;
        long long price=0;
        int rain[n];
        cin>>rain[0];
        if(rain[0]==1)
            price=price+x;
        for(int loop=1;loop<n;loop++){
            cin>>rain[loop];
            if(rain[loop-1]==1 || rain[loop]==1){
                price=price+x;
            }
        }
        cout<<price<<endl;
    }
    return 0;
}
```

|   |  |                                   |
|---|--|-----------------------------------|
|  <b>Marwadi University</b> | <b>Marwadi University</b><br><b>Faculty of Technology</b><br><b>Department of Information and Communication Technology</b> |                                   |
| <b>Sem : 4</b>  | <b>Name : VEDANT BHARAD</b>  |                                   |
| <b>Day : 82</b>   | <b>Date : 7/1/2023</b>   | <b>Enrollment No: 92100133023</b> |

## Output (Screen Shot):



The screenshot shows the CodeChef interface for the problem 'Taxi Cost'. The problem statement describes a scenario where a taxi fare is calculated based on the number of days it rains before a trip. The input format specifies the number of test cases, followed by the number of days and the cost per day, and then the rain forecast. The output format requires the total cost for each test case. Constraints are provided for the number of test cases, days, and cost. The submission result table shows five test cases, all of which were accepted (AC) with execution times around 0.003 to 0.009 seconds.

| Sub-Task | Task # | Result (time) |
|----------|--------|---------------|
| 1        | 1      | AC (0.003683) |
| 1        | 2      | AC (0.014521) |
| 1        | 3      | AC (0.005355) |
| 1        | 4      | AC (0.009518) |
| 1        | 5      | AC (0.004732) |

## Understanding about problem:

- In this task I need to find price for Taxi if there is rain on that day or before that day then price will be added else for that day price is 0 and at last return sum of every day cost of travel.

**Note: If you can't understand the problem, feel free to contact us and we'll help you. Please don't copy and paste from anywhere.**

**ALL THE BEST**  
Team CP Club