 Marwadi University	Marwadi University Faculty of Technology Department of Information and Communication Technology	
Sem : 6	Name : Pushti Depani	
Day : 103	Date : 28/01/2023	Enrollment No: 92000133018

CP Club 365 Days Challenge

Programming language – Any language

Problem Statement

https://www.codechef.com/DSAPREP_02/problems/RECPERM


<https://www.codechef.com/viewsolution/87212651>

<https://github.com/Pushti18/CP-Club-100-onwards->

Your Code:

```
#include <iostream>
#include<bits/stdc++.h>
using namespace std;

int main() {
    // your code goes here
    int t;
    cin>>t;
    while(t-->0)
    {
        int n;
        cin>>n;
        int b[n];
        for(int i=0;i<n;i++)
        {
            cin>>b[i];
        }
        vector<int>c;
        for(int i=1;i<=n;i++)
```

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```

{
    c.push_back(i);
}


for(int i=0;i<n;i++)
{
    if(b[i]==0)
    {
        swap(c[i+1],c[i]);
    }
}

for(int i=0;i<n;i++){
    cout<<c[i]<<" ";
}
cout<<endl;
}

return 0;
}

```

Output (Screen Shot):

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(0.003344)		
1	3	AC (0.003894)
Subtask Score: 30.00%		Result - AC
2	4	AC (0.071831)
2	5	AC (0.067409)
2	6	AC (0.071067)
2	7	AC (0.073258)
Subtask Score: 70.00%		Result - AC
Total Score = 100.00%		

Understanding about problem:

In this problem we need to find permutation we are given sequence of elements. If the array is equal to 0 then we will swap the array. $B[i] = c[i+1] - c[i]$. and if the condition does not satisfies then it will return null. Or else $c[i]$. the original permutation is from 1 to n so we need to find the min element.

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