Submission

ID	DATE	PROBLEM	STATUS	CPU	LANG
	TEST CASES				
8201701	16:23:39	Mega Inversions	✔ **Accepted**	0.03 s	C++
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FILENAME	FILESIZE	SHA-1 SUM	
megainversions.cpp	1325 bytes	dbf2a904b1cbe6f2fb8e09598721278c937b9931	download

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megainversions.cpp

```
 1 #include<bits/stdc++.h>
 2
 3 #define INF 9999
 4 #define ll long long
 5 #define v vector
 6 #define FOR(i,A,B,C) for(int i=A; i<B; i+=C)
 7 #define FOR_bitOR(i,A,B,C) for(int i=A; i<B; i|=C)
 8 #define FOR_bitAND_min(i,A,B,C) for(int i=A; i>B; i&=C)
 9
10 using namespace std;
11
12       r1(INF, 0);
13 v<ll> arr2(INF, 0);
```

```
v<ll> arr3(INF, 0);

int main() {

    ll n; cin>>n;

    arr1.resize(n+1);
    arr2.resize(n+1);
    arr3.resize(n+1);

    ll sumAux = 0;

    FOR(i,0,n,1){

        long long num;
        cin>>num;

        long long parcial = 0;
        FOR_bitAND_min(i,num+1,0,i-1){
            parcial = parcial + arr1[i-1];
        }

        ll cont1 = 0;
        ll cont2 = 0;

        FOR_bitAND_min(i,arr1.size(),0,i-1){
            cont1 = cont1 + arr1[i-1];
        }

        cont1 -= parcial;

        parcial = 0;
        FOR_bitAND_min(i,num+1,0,i-1){
            parcial = parcial + arr2[i-1];
        }

        FOR_bitAND_min(i,arr2.size(),0,i-1){
            cont2 = cont2 + arr2[i-1];
        }
        cont2 -=parcial;

    Help
        FOR_bitOR(j, num, arr1.size(), j+1){
            arr1[j] += 1;
        }
```

```
58
59          FOR_bitOR(j, num, arr2.size(), j+1){
60              arr2[j] += cont1;
61          }
62
63          FOR_bitOR(j, num, arr3.size(), j+1){
64              arr3[j] += cont2;
65          }
66      }
67
68      ll final = 0;
69      FOR_bitAND_min(i,arr3.size(),0,i-1){
70          final = final + arr3[i-1];
71      }
72
73      cout<<final<<endl;
74
75      return 0;
76  }
```