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Beautify

Language C++

main.cpp

```
1
2 #include <iostream>
3 using namespace std;
4
5 int findSingle(int ar[], int ar_size)
6 {
7
8     int res = ar[0];
9     for (int i = 1; i < ar_size; i++)
10         res = res ^ ar[i];
11
12     return res;
13 }
14
15
16 int main()
17 {
18     int ar[] = {2, 3, 5, 4, 5, 3, 4};
19     int n = sizeof(ar) / sizeof(ar[0]);
20     cout << "Element occurring once is "
21          << findSingle(ar, n);
22 }
```

input

Element occurring once is 2

...Program finished with exit code 0

Press ENTER to exit console.

Run Debug Stop Share Save { } Beautify Language C++

main.cpp

```
8 int min_xor(int arr, int n)
9
10
11     for (int i = 0; i < n; i++)
12         for (int j = i + 1; j < n; j++)
13
14             min_xor = min(min_xor, arr[i] ^ arr[j]);
15
16
17     return min_xor;
18 }
19
20
21 int main()
22 {
23     int arr[] = { 9, 5, 3 };
24     int n = sizeof(arr) / sizeof(arr[0]);
25     cout << minXOR(arr, n) << endl;
26     return 0;
27 }
28
```

input

6

...Program finished with exit code 0
Press ENTER to exit console.

main.cpp

1

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

int solve(int low, int high, int T)
{
    while (low <= high) {
        int mid = (low + high) / 2;

        if ((mid * (mid + 1)) == T)
            return mid;

        if (mid > 0 && (mid * (mid + 1)) > T &&
            (mid * (mid - 1)) <= T)
            return mid - 1;

        if ((mid * (mid + 1)) > T)
```

Language C++

3

input

Number of stair steps = 4

...Program finished with exit code 0
Press ENTER to exit console.

Run

Debug

Stop

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Language C++

main.cpp

```
1
2
3 #include <iostream>
4 using namespace std;
5
6
7 int numberOfPaths(int m, int n)
8 {
9
10     if (m == 1 || n == 1)
11         return 1;
12
13
14     return numberOfPaths(m - 1, n) + numberOfPaths(m, n - 1);
15
16 }
17
18 int main()
19 {
20     cout << numberOfPaths(3, 3);
21     return 0;
22 }
```

4

input

6

...Program finished with exit code 0
Press ENTER to exit console.

Run

Debug

Stop

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Language C++

main.cpp

```
1
2 #include<bits/stdc++.h>
3 using namespace std;
4
5
6 int floorSqrt(int x)
7 {
8     if (x == 0 || x == 1)
9         return x;
10
11     int i = 1, result = 1;
12     while (result <= x)
13     {
14         i++;
15         result = i * i;
16     }
17     return i - 1;
18 }
19
20
21
```

input

3

```
...Program finished with exit code 0
Press ENTER to exit console.
```