Output Format

Print an integer denoting the minimum number of pages Brie must turn to get to page p.

Sample Input 0

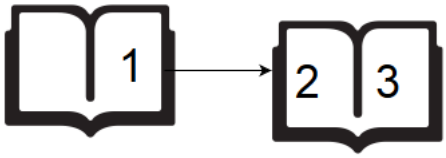
```
6
2
```

Sample Output 0

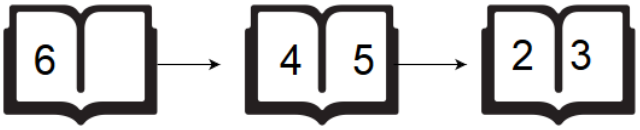
```
1
```

Explanation 0

If Brie starts turning from page 1, she only needs to turn 1 page:



If Brie starts turning from page 6, she needs to turn 2 pages:



Because we want to print the minumum number of page turns, we print 1 as our answer.

Sample Input 1

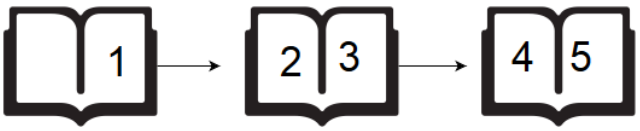
```
5
4
```

Sample Output 1

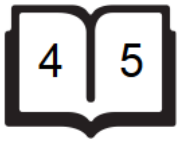
```
0
```

Explanation 1

If Brie starts turning from page 1, she needs to turn 2 pages:



If Brie starts turning from page 5, she doesn't need to turn any pages:



Because we want to print the minimum number of page turns, we print 0 as our answer.

Current Buffer (saved locally, editable)

C++14

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

unsigned int solve(unsigned int n, unsigned int p)
{
    unsigned int ans=0;
    //cout<<ceil(n/2.0)<<endl;
    if((n-p)>=ceil(n/2.0)) //from front
    {
        //cout<<"from front"<<endl;
        for(unsigned int i=0; i<p; ++i)
        {
            if(i==(p-1))
                break;
            if(i%2==0)
                ++ans;
        }

        return ans;
    }
    else  // from back
    {
        //cout<<"from back"<<endl;
        for(unsigned int i=n; i>p; --i)
        {
            if(i%2==0)
                ++ans;
            if(i==(p+1))
                break;
        };
        return ans;
    }
}

int main()
{
    unsigned int n=0,p=0; // total pages
    cin >> n;
    if(n>=1 && n<=100000)
    {
        cin >> p;        // need to be found
        if(p>=1 && p<=n)
        {
            unsigned int result = solve(n, p);
            cout << result << endl;
        }
    }
    return 0;
}
```

Line: 10 Col: 11

Run Code | Submit Code

Test against custom input

Upload Code as File

```
6
3
```

Congrats, you solved this challenge!

Challenge your friends: