Description

Gymkhana Election IIIT-A

Program Description

In the Gymkhana elections of IIIT-A, N members are nominated for senator positions. The total number of voters in the college is M.

Om, one of the N nominees, wants to secure a strict majority win in the election. Assuming all voters cast their votes, find the minimum number of votes Om requires to ensure a strict majority win.

Note that in a strict majority win, all the nominees have strictly lesser votes than the winner.

Input Format

A single line of input consists of two space-separated integers N and M — the number of nominated members and the number of voters respectively.

Output Format

Output the minimum number of votes Om requires to ensure a strict majority win.

Constraints

$2<=N<=M<=10^9$

Input-1

```
5 12
```

Output-1

```
7
```

Input-2

```
4 5
```

Output-2

```
3
```

C - GCC 11.1.0 ▾ Timer 0:19 sec

Light

```c
#include <stdio.h>
int main()
{
    long long N, M;
    scanf("%lld %lld", &N, &M);
    long long minVotes = (M / 2) + 1;
    printf("%lld", minVotes);
    return 0;
}
```

Run Code

Compiler Response

#	Testcase	Input	Expected Output	Your Output	Memory	CPU time	Result
1	5 12	5 12	7	7	1408 KB	3.543 ms	Pass
2	4 5	4 5	3	3	1408 KB	2.589 ms	Pass

All hidden testcases passed

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