

COCI '07 Contest 5 #2 Pascal

Time limit: 1.0s **Memory limit:** 32M

Little Frane is already in tenth grade, but is still struggling with Pascal in computer class. For homework, his teacher wrote the following program into his notebook, and he needs to determine the output, given the integer N .

```
readln(N);
counter := 0;
for i := N-1 downto 1 do begin
  counter := counter + 1;
  if N mod i = 0 then break;
end;
writeln(counter);
```

Write a program which solves Frane's problem.

Input Specification

The first line of input contains the integer N ($1 \leq N \leq 10^9$).

Output Specification

Output the result on a single line.

Sample Input 1

```
1
```

Sample Output 1

```
0
```

Sample Input 2

```
10
```

Sample Output 2

5

Sample Input 3

27

Sample Output 3

18