Problem G

H(n)

Input: Standard Input
Output: Standard Output

What is the value this simple C++ function will return?

```
long long H(int n){
    long long res = 0;
    for( int i = 1; i <= n; i=i+1 ){
        res = (res + n/i);
    }
    return res;
}</pre>
```

Input

The first line of input is an integer T ($T \le 1000$) that indicates the number of test cases. Each of the next T line will contain a single signed 32 bit integer n.

Output

For each test case, output will be a single line containing $\mathbf{H}(\mathbf{n})$.

Sample Input

Output for Sample Input

| 2 | 10 | | |
|-----|-----|--|--|
| | 0.0 | | |
| 5 | 27 | | |
| 1.0 | | | |
| 10 | | | |
| | | | |
| | | | |

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