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

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

Input

The first line of input is an integer T ($T \leq 1000$) 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 $H(n)$.

Sample Input

```
2
5
10
```

Sample Output

```
10
27
```