

# 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;
}
```

### 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
```

### Output for Sample Input

```
10
27
```

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