

# Fast Bit Counting

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**Time limit:** 0.5s   **Memory limit:** 64M

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Given 64-bit unsigned integers, count the bits set in each one.

## Implementation

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One function:

```
int setbits(unsigned long long);
```

Your function may be called up to  $10^8$  times.

## Constraints

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Your code must be less than 560 characters in length. 560 characters is plenty for any sane solution. Otherwise, only half of the points are awarded.