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**FW: Complementary Numbers**

1 message

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**To:** William Ting  
**Subject:** Complementary Numbers

## The Daily Byte

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### Today's Byte

Given a positive number, return its complementary number.

Note: The complement of a number is the number that results from flipping every bit in the original number. (i.e. zero bits become one bits and one bits become zero bits).

Ex: Given the following  
number ...

```
number = 27, return 4.  
27 in binary (not zero extended) is 11011.  
Therefore, the complementary binary is 00100 which is 4.
```

Thanks,  
The Daily Byte

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