Practice > Algorithms > Bit Manipulation > 2's complement

2's complement ☆

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Submitted Code

Language: Erlang   ⅃ Open in editor

```erlang
 1  -module(solution).
 2  -export([main/0]).
 3  -import(os, [getenv/1]).
 4
 5  %
 6  % Complete the twosCompliment function below.
 7  %
 8  twosCompliment(A, B) ->
 9      twosCompliment(A,B,0).
10  twosCompliment(A,A,OneSum) -> OneSum + ones(A,0);
11  twosCompliment(A, B, OneSum) ->
12      twosCompliment(A+1, B, OneSum + ones(A,0)).
13  ones(0, Acc) ->
14      Acc;
15  ones(X, 0) when X < 0 ->
16      %In this case we want to count the 0s in a 32 bit number. because we
```

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10 Testcases ⌄

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