

Animate: Program flow Format: D... View: Scr...

Time : 0

Input pins		Output pins	
Name	Value	Name	Value
in[16]	-5	out[16]	-4

HDL	Internal pins				
<pre>// by Nisan and Schocken, MIT Pr // File name: projects/02/Inc16. /** * 16-bit incrementer: * out = in + 1 */ CHIP Inc16 { IN in[16]; OUT out[16]; PARTS: //// Replace this comment wi Add16(a=in,b[0]=true,b[1..15] }</pre>	<table border="1"> <thead> <tr> <th>Name</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	Name	Value		
Name	Value				

```
// This file is part of www.nand2tetris.org
// and the book "The Elements of Computing Systems"
// by Nisan and Schocken, MIT Press.
// File name: projects/02/Inc16.tst
```

```
load Inc16.hdl,  
output-file Inc16.out,  
compare-to Inc16.cmp,  
output-list in%B1.16.1 out%B1.16.1;  
  
set in %B000000000000000000, // in = 0  
eval,  
output;  
  
set in %B111111111111111111, // in = -1  
eval,  
output;  
  
set in %B0000000000000000101, // in = 5  
eval,  
output;  
  
set in %B11111111111111011, // in = -5  
eval,  
output;
```

End of script – Comparison ended successfully