HardwareSimulatorMain

Hardware Simulator (2.5) - /Users/mayurgupta/Desktop/nand2tetris/projects/01/And.hdl

File   View   Run   Help

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

Slow   Fast

Chip Nam... And   Time : 0

Input pins

Name	Value
a	1
b	1

Output pins

Name	Value
out	1

HDL

```
// and the book "The Elements of
// by Nisan and Schocken, MIT P
// File name: projects/01/And.hd
 /**
 * And gate:
 * if ((a == 1) and (b == 1)) ou
 */
CHIP And {
    IN a, b;
    OUT out;

    PARTS:
    //// Replace this comment wi
    Nand(b=a , a=b , out=nandab)
```

Internal pins

Name	Value
nandab	0

```
// 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/01/And.tst

load And.hdl,
output-file And.out,
compare-to And.cmp,
output-list a%B3.1.3 b%B3.1.3 out%B3.1.3;

set a 0,
set b 0,
eval,
output;

set a 0,
set b 1,
eval,
output;

set a 1,
set b 0,
eval,
output;

set a 1,
set b 1,
eval,
output;
```

End of script – Comparison ended successfully