



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

Chip Nam... DMux Time : 0

| Input pins | | Output pins | |
|------------|-------|-------------|-------|
| Name | Value | Name | Value |
| in | 1 | a | 0 |
| sel | 1 | b | 1 |

| in | sel | a | b |
|----|-----|---|---|
| 0 | 0 | 0 | 0 |
| 0 | 1 | 0 | 0 |
| 1 | 0 | 1 | 0 |
| 1 | 1 | 0 | 1 |

| HDL | Internal pins | | | | |
|--|--|------|-------|--------|---|
| <pre>// by Nisan and Schocken, MIT Pr // File name: projects/1/DMux.hc /** * Demultiplexor: * [a, b] = [in, 0] if sel = 0 * [0, in] if sel = 1 */ CHIP DMux { IN in, sel; OUT a, b; PARTS: And(a=in,b=sel,out=b); Not(in=sel,out=notsel);</pre> | <table> <thead> <tr> <th>Name</th><th>Value</th></tr> </thead> <tbody> <tr> <td>notsel</td><td>0</td></tr> </tbody> </table> | Name | Value | notsel | 0 |
| Name | Value | | | | |
| notsel | 0 | | | | |

End of script – Comparison ended successfully