



[Courseware](#) [Course Info](#) [Discussion](#) [Wiki](#) [Progress](#) [Discussion Guidelines](#) [Resources](#) [Exploring Engineering](#)
[Syllabus](#) [How to Use Jade](#)

Help

This area allows you to write your own programs and test them with your LC-3 Lite.

Since this is a sandbox and is not graded, you are free to use the test tab to add .plot signals and to see what's going on in your circuit.

Remember to read How to Use Jade **in order to write your own tests. Of course, you can use the test from previous labs as a starting point.**

To edit your own test file, we will have to copy your lc3top contents into the new module lc3toptest.

Load your modules, then select the lc3top module from the dropdown box. Select the entire circuit by clicking and dragging over the whole thing. Copy it.

Select the lc3toptest module from the dropdown box. Paste your circuit there. Now you will be able to edit the test.

LC-3 ASSEMBLER

Remember, the assembler automatically generates the code as you type (it refreshes every 3/4s of a second). The Check button will not respond. It should give errors (red 'X' next to the line number) when it runs into a problem. If new machine code on the right side does not appear, there's usually a problem with your input on the left side. Use CTRL-A (Apple-A) and CTRL-C (Apple-C) to quickly capture the data in the machine code section.

LC-3 Assembler

```
1 .ORIG 0x3000
2 HALT
3 .DATA 0x4000
4 .END
```

```
1 @0b11000000000000
2 0b1111000000100011
3 @0b10000000000000
```

Check button now submits your assembly to edX!

Check

TESTING YOUR LC-3 LITE (UNGRADED)

Help

Module: /user/lc3toptest

SCHEMATIC ☒ ICON ☐ TEST

Grid icons: T MEM A

Right sidebar:

- ▼ /gates
 -
 -
 -
 -
 -
 -
- ▼ /solutions
 -
 -
 -
 -
 -
 -
 -
 -
- ▼ /user
 -

Main workspace: /user/lc3toptest

Click component to select, click and drag on background for area select, shift-click and drag on background to pan

[Jade 2.2.43 \(2015 © MIT EECS\)](#)

Check

Since this is an optional sandbox, feel free to share test code in this discussion section.

Show Discussion

 New Post

Help



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