

Autograder Output

```
Python 3.6.9
Building testcases...
Finished building testcases

[[ WORD: 3 ]]

Attempting to assemble...
Assembling for LC-22 architecture...
Writing to submission/hanoiAuto1.bin...done!

Running tests...
[PASS] Correct return value (Your $v0 = 7, expected: 7)
[PASS] Stack pointer ends at 0xFFFF (Your $sp = 65535, expected: 65535)

[[ WORD: 7 ]]

Attempting to assemble...
Assembling for LC-22 architecture...
Writing to submission/hanoiAuto2.bin...done!

Running tests...
[PASS] Correct return value (Your $v0 = 127, expected: 127)
[PASS] Stack pointer ends at 0xFFFF (Your $sp = 65535, expected: 65535)

[[ WORD: 14 ]]

Attempting to assemble...
Assembling for LC-22 architecture...
Writing to submission/hanoiAuto3.bin...done!

Running tests...
[PASS] Correct return value (Your $v0 = 16383, expected: 16383)
[PASS] Stack pointer ends at 0xFFFF (Your $sp = 65535, expected: 65535)
```

STUDENT  
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AUTOGRADER SCORE  
40.0 / 40.0

QUESTION 2

Stack Manipulation

15.0 / 15.0 pts

QUESTION 3

Register Saving

25.0 / 25.0 pts

QUESTION 4

Short Answer

20.0 / 20.0 pts

- ✓

- 0 pts

Correct
- 4 pts

Does not use an offset of 1 for LEA
- 4 pts

Incorrect format for an instruction
- 10 pts

Incorrectly loads the return address into a register (i.e. without an LEA instruction, or using a label as an operand in the LEA instruction)
- 10 pts

Incorrectly unconditionally branches to some target label
- 10 pts

Incorrectly loads the return address into memory instead of a register
- 10 pts

Never saves the return address into a register
- 20 pts

Blank/no answer