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LAB 10 SUBMISSION

TASK 1

File Edit Modify Execute Help

Data Hex

Registers

| Name | Width | Data |
|------|-------|------|
| AC | 16 | 0007 |
| AP | 12 | 001 |
| DR | 16 | 0000 |
| E | 1 | 0 |
| I | 1 | 0 |
| IR | 16 | E001 |
| PC | 12 | 005 |
| S | 1 | 1 |

mula X

```
1 START:
2 INP
3 STA NUM
4 LDA NUM
5 OUT
6 HLT
7 NUM: .data 1 0
```

Addr Hex Data Hex

MAIN

| Addr | Data |
|------|------|
| 000 | F800 |
| 001 | 6005 |
| 002 | 3005 |
| 003 | F400 |
| 004 | E001 |
| 005 | 0007 |
| 006 | 0000 |
| 007 | 0000 |
| 008 | 0000 |
| 009 | 0000 |
| 00A | 0000 |
| 00B | 0000 |
| 00C | 0000 |
| 00D | 0000 |
| 00E | 0000 |
| 00F | 0000 |
| 010 | 0000 |

EXECUTING...

Inter Inputs, the first of which must be an Integer: 7

Output: 7

EXECUTION HALTED NORMALLY due to the setting of the bit(s): [HALT-BIT]