

Appendix C: A Simple Machine Language

| Op-code Operand | Description |  |
| :---: | :--- | :--- |
| 1 | RXY | LOAD reg. R from cell XY. |
| 2 | RXY | LOAD reg. R with XY. |
| 3 | RXY | STORE reg. R at XY. |
| 4 | 0 RS | MOVE R to S. |
| 5 | RST | ADD S and T into R. (2's comp.) |
| 6 | RST | ADD S and T into R. (floating pt.) |

Op-code Operand Description

| 7 | RST | OR S and T into R. |
| :--- | :--- | :--- |
| 8 | RST | AND S and T into R. |
| 9 | RST | XOR S and T into R. |
| A | R0X | ROTATE reg. R X times. |
| B | RXY | JUMP to XY if R = reg. 0. |
| C | 000 | HALT. |

