K&S Machine Language Reference

Data Movement Instructions

RC ← MM   RC   MM

| 1000 0001 0 | xx | xxxxx |

MM ← RA   RA   MM

| 1000 0010 0 | xx | xxxxx |

RC ← RA   RC   RA

| 1001 0001 0000 | xx | xx |

Halt

| 1111 1111 1111 1111 |

Arithmetic and Logic Instructions

RC ← RA + RB   RC   RA   RB

| 1010 0001 00 | xx | xx | xx |

RC ← RA - RB   RC   RA   RB

| 1010 0010 00 | xx | xx | xx |

RC ← RA & RB   RC   RA   RB

| 1010 0011 00 | xx | xx | xx |

RC ← RA | RB   RC   RA   RB

| 1010 0100 00 | xx | xx | xx |