Micro Instructions

ROM[0] = 00000001\_00\_0000\_000000000\_100\_0\_1010;

ROM[1] = XXXXXXXX\_01\_0000\_000000000\_000\_1\_1010;

ROM[2] = 00000010\_10\_0000\_000000000\_000\_0\_0000;

ROM[3] = 00000100\_00\_0000\_000000000\_010\_0\_0000;

ROM[4] = 00000000\_00\_1000\_000000001\_000\_0\_0001;

ROM[5] = 00000110\_00\_0000\_000000000\_000\_0\_0000;

ROM[6] = 00000111\_00\_1000\_000000001\_000\_1\_0011;

ROM[7] = 00001000\_00\_0101\_000000001\_100\_0\_0000;

ROM[8] = 00000000\_00\_0001\_000000001\_000\_1\_0011;

ROM[9] = 00001010\_00\_0111\_010000000\_000\_0\_0000;

ROM[10] = 00000000\_00\_0000\_000000000\_001\_0\_0000;

ROM[11] = 00000000\_00\_0111\_000100000\_000\_0\_0000;

ROM[12] = 00000000\_00\_0111\_000010000\_000\_0\_0000;

ROM[13] = 00000000\_00\_0111\_000001000\_000\_0\_0000;

ROM[14] = 00000000\_00\_0111\_000000100\_000\_0\_0000;

ROM[15] = 00000000\_00\_0111\_000000010\_000\_0\_0000;

ROM[16] = 00000000\_00\_0111\_100000000\_000\_0\_0000;

ROM[17] = 00000000\_00\_1000\_000000001\_000\_0\_0100;

ROM[18] = 00000000\_00\_1000\_000000001\_000\_0\_0101;

ROM[19] = 00000000\_00\_1000\_000000001\_000\_0\_0110;

ROM[20] = 00000000\_00\_1000\_000000001\_000\_0\_0111;

ROM[21] = 00000000\_00\_1000\_000000001\_000\_0\_1000;

ROM[22] = XXXXXXXX\_00\_0000\_000000000\_000\_0\_0000;

ROM[23] = 00011000\_00\_0000\_000000000\_000\_0\_0000;

ROM[24] = 00000000\_00\_0000\_000000000\_000\_0\_0000;

ROM[25] = 00011010\_00\_0000\_000000000\_100\_0\_0000;

ROM[26] = 00011011\_00\_1000\_000000001\_000\_1\_0011;

ROM[27] = 00011100\_00\_0101\_000000001\_100\_0\_0000;

ROM[28] = 00000000\_00\_0001\_001000000\_000\_0\_0011;

ROM[29] = 00000000\_00\_1001\_000000001\_000\_0\_0000;

ROM[30] = 00000000\_00\_1010\_000000001\_000\_0\_0000;

ROM[31] = 00000000\_00\_0001\_000000001\_000\_0\_1000;

ROM[32] = 00000000\_00\_0010\_000000001\_000\_0\_1000;

ROM[33] = 00100010\_00\_0111\_000000010\_100\_0\_0000;

ROM[34] = 00100011\_00\_1000\_000000001\_000\_1\_0011;

ROM[35] = 00100100\_00\_0101\_000000001\_100\_0\_0000;

ROM[36] = 00100101\_00\_1000\_000000001\_000\_1\_0011;

ROM[37] = 00000000\_00\_0001\_000000001\_000\_0\_1000;

ROM[38] = 00100111\_00\_0111\_000000010\_100\_0\_0000;

ROM[39] = 00101000\_00\_1000\_000000001\_000\_1\_0011;

ROM[40] = 00101001\_00\_0101\_000000001\_100\_0\_0000;

ROM[41] = 00101010\_00\_1000\_000000001\_000\_1\_0011;

ROM[42] = 00000000\_00\_0010\_000000001\_000\_0\_1000;

ROM[43] = 00000000\_00\_0110\_000000001\_000\_0\_0000;

ROM[44] = 00000000\_00\_0011\_000000001\_000\_0\_0000;

ROM[45] = 00000000\_00\_0100\_000000001\_000\_0\_0000;

ROM[46] = 00101111\_00\_0101\_000000001\_000\_0\_0000;

ROM[47] = 00000000\_00\_0011\_000000001\_000\_0\_0000;

ROM[48] = 00110001\_00\_1000\_000000001\_000\_0\_0100;

ROM[49] = 00110010\_00\_1001\_000000001\_000\_0\_0000;

ROM[50] = 00000000\_00\_0111\_000100000\_000\_0\_0000;

ROM[51] = 00110100\_00\_1000\_000000001\_000\_0\_0110;

ROM[52] = 00110101\_00\_1001\_000000001\_000\_0\_0000;

ROM[53] = 00000000\_00\_0111\_000010000\_000\_0\_0000;

ROM[54] = 00000000\_00\_1011\_000000001\_000\_0\_0000;

ROM[55] = 00000000\_00\_0001\_000001001\_000\_0\_0110;