

//Program 1, adder

rom[16'd74]=16'b01111_010_0110_0101;	//movil r2, 0110 0101
rom[16'd75]=16'b10000_010_0000_0000;	//movih r2, 0000 0000
rom[16'd76]=16'b01111_111_0000_0001;	//movil r7, 0000 0001
rom[16'd77]=16'b10000_111_0000_0000;	//movih r7, 0000 0000
rom[16'd78]=16'b01111_001_0000_0010;	//movil r1, 0000 0010
rom[16'd79]=16'b10000_001_000_00000;	//movil r1, 0000 0000
rom[16'd80]=16'b00000_001_111_00000;	//adc r1, r7: r7=r7+r1
rom[16'd81]=16'b00100_001_0000_0001;	//addi 1, r1: r1=r1+1
rom[16'd82]=16'b00101_001_010_00000;	//cmp r1, r2
rom[16'd83]=16'b11011_100_000_00011;	//jrnz PC-3
rom[16'd84]=16'b11111_000_000_00000;	//hlt