opcode: 0 Main1: PC=PC+1 fetch goTo(MBR)		000000010000011010100000100000001 000000			
opcode: 3, 0x##(number) BIPUSH: SP = MAR = SP + 1 PC = PC + 1 fetch MDR = TOS = MBR enable MDR wr goto(Main1)		000000100000001101010000010010000100 000000			
H = L MAR //rd; MDR enab wr SP = rd TOS	n R = MBR V R = MDR + H	$0000010100000011010100000100000001\\000001011000000$			
opcode: 20 F: PC = PC + 1		000010101000001101010000001000000001 000000			
opcode: 23, 0x##(ac ILOAD: PC = PC + 1 fetch MDR = MB H = LV MAR = MD rd MAR = SP = enable MD	PR + H = SP + 1	0000110000000110101000000100000001 00001100100			

wr TOS = MDR goto(Main1)	00010000000000000000000000001000000 000000		
opcode: 33 IADD: MAR = SP = SP - 1 rd H = TOS MDR = TOS = MDR + H enable MDR wr goto(Main1)	000100010000001101100000010010000100 000100011000000		
opcode: 39 IF_ICMPEQ: MAR = SP = SP - 1 rd MAR = SP = SP - 1 H = MDR rd OPC = TOS TOS = MDR Z = OPC - H (if Z go to T; else F)	00010100000001101100000010010000100 0001010010		
opcode: 47, 0x## PRINT: PC = PC + 1 fetch MDR = MBR MAR = MDR rd	0001100000000110101000000100000001 000110001000000		
opcode: 52 T: OPC = PC PC = PC + 1 goto(goto2)	00011010100000110100010000000000000000		
opcode: 54 GOTO: OPC = PC PC = PC + 1 fetch H = MBR PC = OPC + H address: 59 (continued) PRINT: PR = MDR	00011011100000110100010000000000001 000111000000		