Program: ['SWAP B B', 'ROR D', 'MOV G A', 'SHR C', 'NOT', 'SUB D F J', 'CLR', 'MOV E B', 'LOADI 172', 'SUB G C', 'MUL D', 'LOADI 120', 'ROR C', 'ADD A C', 'LOADI 79', 'MOV B A', 'SUB F A', 'ROL H', 'DIV E B', 'LOADI 91', 'MUL E', 'DEC G', 'CLR H', 'INC', 'LOADI 166', 'SWAP F G', 'NOT D', 'ADD E I', 'PUSH D', 'SWAP F G', 'DIV J', 'PUSH G', 'SUB H', 'DEC', 'XOR J', 'ADD B', 'SWAP F', 'CLR', 'SHL', 'ADD A', 'DEC', 'ROR G', 'NOT H', 'ROL', 'DEC D', 'POP I', 'DEC E', 'DIV A I', 'XOR J C B', 'SHR', 'ROL E', 'XOR J F', 'DIV A C', 'XOR H J C', 'MUL C G', 'NOT A', 'XOR B', 'XOR C D E', 'OR D E', 'PUSH I', 'LOADI 23', 'DEC', 'LOADI 230', 'CLR', 'SWAP F A', 'AND B E', 'DIV G', 'NOT', 'DEC D', 'SUB B I', 'SHR', 'SWAP I', 'AND H', 'SHR A', 'INC', 'DIV C D', 'ADD D F', 'SWAP E A', 'NOT', 'XOR G C J', 'INC', 'DIV C H D', 'SHL', 'ROL', 'POP I', 'OR I E', 'POP F', 'AND A', 'ADD D J B', 'POP G', 'NOT J', 'SWAP F', 'SUB C B', 'SHL', 'SUB E', 'POP E', 'POP A', 'ADD I', 'MUL I', 'LOADI 175', 'XOR C B', 'ADD H H', 'DIV H', 'ROL B', 'DEC D', 'SWAP A', 'DEC J', 'ADD J', 'CLR C', 'ROR D', 'SHL G', 'SWAP H C', 'CLR D', 'MOV A G', 'POP C', 'SUB C H', 'MOV D A', 'PUSH E', 'ROL', 'LOADI 22', 'ADD I G B', 'LOADI 229', 'ROR', 'LOADI 61', 'AND F D', 'XOR B H F', 'CLR C', 'PUSH A', 'SHR D', 'SWAP J', 'SHL B', 'XOR A A H', 'ROR H', 'SHR', 'INC B', 'CLR H', 'AND J F', 'MOV H B', 'DIV D I H', 'SUB E C', 'ROR G', 'CLR', 'DEC B', 'INC E', 'MUL J I', 'NOT', 'SUB I', 'DEC H', 'SHL C', 'SHR D', 'MOV A C', 'ADD A', 'LOADI 144', 'SHL', 'LOADI 51', 'SUB I B E', 'ADD C H E', 'LOADI 168', 'SHL B', 'NOT G', 'MUL D F B', 'SHL B', 'OR I B', 'MOV E H', 'ROR', 'DIV B I H', 'SUB J J C', 'SHR', 'ROR D', 'MUL H', 'NOT', 'DEC', 'SUB A I C', 'NOT I', 'AND A', 'DEC I', 'POP J', 'NOT H', 'DIV G', 'AND B', 'INC A', 'ROL C', 'DEC B', 'SHR C', 'NOT', 'MOV F E', 'POP I', 'DIV I C F', 'NOT', 'ROL A', 'SUB J', 'CLR B', 'ADD J', 'NOT', 'DIV F H', 'AND J C', 'LOADI 132', 'INC I', 'MUL H H D', 'SWAP E H', 'SWAP E', 'DIV I C', 'POP D', 'SWAP A', 'DIV D H E', 'POP F', 'INC', 'POP C', 'XOR A', 'AND G F', 'CLR I', 'AND E', 'XOR B', 'XOR G I', 'SUB A G I', 'SUB H', 'LOADI 215', 'ROL A', 'XOR J B J', 'SHL B', 'MOV C G', 'CLR C', 'ADD A A', 'POP F', 'DEC', 'SUB F', 'INC', 'ROR', 'XOR D D', 'ADD C F', 'SUB G C', 'ADD D', 'POP H', 'DEC I', 'SWAP I J', 'MOV E C', 'XOR F E H', 'DIV G B A', 'DEC', 'SHR C', 'MOV J F', 'OR H', 'MUL B F', 'ROL', 'OR E', 'DIV A A', 'NOT A', 'MOV D E', 'INC', 'MOV F F', 'HLT']

State at step 0:
PC: 0
ACC: 251
IR: HLT
Registers: {'A': 241, 'B': 4, 'C': 157, 'D': 9, 'E': 213, 'F': 24, 'G': 234, 'H': 55,

'I': 227, 'J': 73}

State at step 1:
PC: 1
ACC: 251
IR: SWAP B B
Registers: {'A': 241, 'B': 4, 'C': 157, 'D': 9, 'E': 213, 'F': 24, 'G': 234, 'H': 55, 'I': 227, 'J': 73}

State at step 2:
PC: 2
ACC: 251
IR: ROR D
Registers: {'A': 241, 'B': 4, 'C': 157, 'D': 9, 'E': 213, 'F': 24, 'G': 234, 'H': 55, 'I': 227, 'J': 73}

State at step 3:
PC: 3
ACC: 251
IR: MOV G A
Registers: {'A': 241, 'B': 4, 'C': 157, 'D': 132, 'E': 213, 'F': 24, 'G': 234, 'H': 55, 'I': 227, 'J': 73}

State at step 4:
PC: 4
ACC: 251
IR: SHR C
Registers: {'A': 241, 'B': 4, 'C': 157, 'D': 132, 'E': 213, 'F': 24, 'G': 241, 'H': 55, 'I': 227, 'J': 73}

State at step 5:
PC: 5
ACC: 251
IR: NOT
Registers: {'A': 241, 'B': 4, 'C': 78, 'D': 132, 'E': 213, 'F': 24, 'G': 241, 'H': 55, 'I': 227, 'J': 73}

State at step 6:
PC: 6
ACC: 4
IR: SUB D F J

Registers: {'A': 241, 'B': 4, 'C': 78, 'D': 132, 'E': 213, 'F': 24, 'G': 241, 'H': 55, 'I': 227, 'J': 73}

State at step 7:
PC: 7
ACC: 4
IR: CLR
Registers: {'A': 241, 'B': 4, 'C': 78, 'D': 132, 'E': 213, 'F': 24, 'G': 241, 'H': 55, 'I': 227, 'J': 108}

State at step 8:
PC: 8
ACC: 0
IR: MOV E B
Registers: {'A': 241, 'B': 4, 'C': 78, 'D': 132, 'E': 213, 'F': 24, 'G': 241, 'H': 55, 'I': 227, 'J': 108}

State at step 9:
PC: 9
ACC: 0
IR: LOADI 172
Registers: {'A': 241, 'B': 4, 'C': 78, 'D': 132, 'E': 4, 'F': 24, 'G': 241, 'H': 55, 'I': 227, 'J': 108}

State at step 10:
PC: 10
ACC: 172
IR: SUB G C
Registers: {'A': 241, 'B': 4, 'C': 78, 'D': 132, 'E': 4, 'F': 24, 'G': 241, 'H': 55, 'I': 227, 'J': 108}

State at step 11:
PC: 11
ACC: 172
IR: MUL D
Registers: {'A': 241, 'B': 4, 'C': 78, 'D': 132, 'E': 4, 'F': 24, 'G': 163, 'H': 55, 'I': 227, 'J': 108}

State at step 12:
PC: 12
ACC: 255

IR: LOADI 120
Registers: {'A': 241, 'B': 4, 'C': 78, 'D': 132, 'E': 4, 'F': 24, 'G': 163, 'H': 55, 'I': 227, 'J': 108}

State at step 13:
PC: 13
ACC: 120
IR: ROR C
Registers: {'A': 241, 'B': 4, 'C': 78, 'D': 132, 'E': 4, 'F': 24, 'G': 163, 'H': 55, 'I': 227, 'J': 108}

State at step 14:
PC: 14
ACC: 120
IR: ADD A C
Registers: {'A': 241, 'B': 4, 'C': 39, 'D': 132, 'E': 4, 'F': 24, 'G': 163, 'H': 55, 'I': 227, 'J': 108}

State at step 15:
PC: 15
ACC: 120
IR: LOADI 79
Registers: {'A': 255, 'B': 4, 'C': 39, 'D': 132, 'E': 4, 'F': 24, 'G': 163, 'H': 55, 'I': 227, 'J': 108}

State at step 16:
PC: 16
ACC: 79
IR: MOV B A
Registers: {'A': 255, 'B': 4, 'C': 39, 'D': 132, 'E': 4, 'F': 24, 'G': 163, 'H': 55, 'I': 227, 'J': 108}

State at step 17:
PC: 17
ACC: 79
IR: SUB F A
Registers: {'A': 255, 'B': 255, 'C': 39, 'D': 132, 'E': 4, 'F': 24, 'G': 163, 'H': 55, 'I': 227, 'J': 108}

State at step 18:
PC: 18

ACC: 79
IR: ROL H
Registers: {'A': 255, 'B': 255, 'C': 39, 'D': 132, 'E': 4, 'F': 0, 'G': 163, 'H': 55, 'I': 227, 'J': 108}

State at step 19:
PC: 19
ACC: 79
IR: DIV E B
Registers: {'A': 255, 'B': 255, 'C': 39, 'D': 132, 'E': 4, 'F': 0, 'G': 163, 'H': 110, 'I': 227, 'J': 108}

State at step 20:
PC: 20
ACC: 79
IR: LOADI 91
Registers: {'A': 255, 'B': 255, 'C': 39, 'D': 132, 'E': 0, 'F': 0, 'G': 163, 'H': 110, 'I': 227, 'J': 108}

State at step 21:
PC: 21
ACC: 91
IR: MUL E
Registers: {'A': 255, 'B': 255, 'C': 39, 'D': 132, 'E': 0, 'F': 0, 'G': 163, 'H': 110, 'I': 227, 'J': 108}

State at step 22:
PC: 22
ACC: 0
IR: DEC G
Registers: {'A': 255, 'B': 255, 'C': 39, 'D': 132, 'E': 0, 'F': 0, 'G': 163, 'H': 110, 'I': 227, 'J': 108}

State at step 23:
PC: 23
ACC: 0
IR: CLR H
Registers: {'A': 255, 'B': 255, 'C': 39, 'D': 132, 'E': 0, 'F': 0, 'G': 162, 'H': 110, 'I': 227, 'J': 108}

State at step 24:

PC: 24
ACC: 0
IR: INC
Registers: {'A': 255, 'B': 255, 'C': 39, 'D': 132, 'E': 0, 'F': 0, 'G': 162, 'H': 0, 'I': 227, 'J': 108}

State at step 25:
PC: 25
ACC: 1
IR: LOADI 166
Registers: {'A': 255, 'B': 255, 'C': 39, 'D': 132, 'E': 0, 'F': 0, 'G': 162, 'H': 0, 'I': 227, 'J': 108}

State at step 26:
PC: 26
ACC: 166
IR: SWAP F G
Registers: {'A': 255, 'B': 255, 'C': 39, 'D': 132, 'E': 0, 'F': 0, 'G': 162, 'H': 0, 'I': 227, 'J': 108}

State at step 27:
PC: 27
ACC: 166
IR: NOT D
Registers: {'A': 255, 'B': 255, 'C': 39, 'D': 132, 'E': 0, 'F': 162, 'G': 0, 'H': 0, 'I': 227, 'J': 108}

State at step 28:
PC: 28
ACC: 166
IR: ADD E I
Registers: {'A': 255, 'B': 255, 'C': 39, 'D': 123, 'E': 0, 'F': 162, 'G': 0, 'H': 0, 'I': 227, 'J': 108}

State at step 29:
PC: 29
ACC: 166
IR: PUSH D
Registers: {'A': 255, 'B': 255, 'C': 39, 'D': 123, 'E': 227, 'F': 162, 'G': 0, 'H': 0, 'I': 227, 'J': 108}

State at step 30:
PC: 30
ACC: 123
IR: SWAP F G
Registers: {'A': 255, 'B': 255, 'C': 39, 'D': 123, 'E': 227, 'F': 162, 'G': 0, 'H': 0, 'I': 227, 'J': 108}

State at step 31:
PC: 31
ACC: 123
IR: DIV J
Registers: {'A': 255, 'B': 255, 'C': 39, 'D': 123, 'E': 227, 'F': 0, 'G': 162, 'H': 0, 'I': 227, 'J': 108}

State at step 32:
PC: 32
ACC: 1
IR: PUSH G
Registers: {'A': 255, 'B': 255, 'C': 39, 'D': 123, 'E': 227, 'F': 0, 'G': 162, 'H': 0, 'I': 227, 'J': 108}

State at step 33:
PC: 33
ACC: 162
IR: SUB H
Registers: {'A': 255, 'B': 255, 'C': 39, 'D': 123, 'E': 227, 'F': 0, 'G': 162, 'H': 0, 'I': 227, 'J': 108}

State at step 34:
PC: 34
ACC: 162
IR: DEC
Registers: {'A': 255, 'B': 255, 'C': 39, 'D': 123, 'E': 227, 'F': 0, 'G': 162, 'H': 0, 'I': 227, 'J': 108}

State at step 35:
PC: 35
ACC: 161
IR: XOR J
Registers: {'A': 255, 'B': 255, 'C': 39, 'D': 123, 'E': 227, 'F': 0, 'G': 162, 'H': 0, 'I': 227, 'J': 108}

State at step 36:
PC: 36
ACC: 205
IR: ADD B
Registers: {'A': 255, 'B': 255, 'C': 39, 'D': 123, 'E': 227, 'F': 0, 'G': 162, 'H': 0, 'I': 227, 'J': 108}

State at step 37:
PC: 37
ACC: 255
IR: SWAP F
Registers: {'A': 255, 'B': 255, 'C': 39, 'D': 123, 'E': 227, 'F': 0, 'G': 162, 'H': 0, 'I': 227, 'J': 108}

State at step 38:
PC: 38
ACC: 0
IR: CLR
Registers: {'A': 255, 'B': 255, 'C': 39, 'D': 123, 'E': 227, 'F': 255, 'G': 162, 'H': 0, 'I': 227, 'J': 108}

State at step 39:
PC: 39
ACC: 0
IR: SHL
Registers: {'A': 255, 'B': 255, 'C': 39, 'D': 123, 'E': 227, 'F': 255, 'G': 162, 'H': 0, 'I': 227, 'J': 108}

State at step 40:
PC: 40
ACC: 0
IR: ADD A
Registers: {'A': 255, 'B': 255, 'C': 39, 'D': 123, 'E': 227, 'F': 255, 'G': 162, 'H': 0, 'I': 227, 'J': 108}

State at step 41:
PC: 41
ACC: 255
IR: DEC
Registers: {'A': 255, 'B': 255, 'C': 39, 'D': 123, 'E': 227, 'F': 255, 'G': 162,

'H': 0, 'I': 227, 'J': 108}

State at step 42:
PC: 42
ACC: 254
IR: ROR G
Registers: {'A': 255, 'B': 255, 'C': 39, 'D': 123, 'E': 227, 'F': 255, 'G': 162, 'H': 0, 'I': 227, 'J': 108}

State at step 43:
PC: 43
ACC: 254
IR: NOT H
Registers: {'A': 255, 'B': 255, 'C': 39, 'D': 123, 'E': 227, 'F': 255, 'G': 81, 'H': 0, 'I': 227, 'J': 108}

State at step 44:
PC: 44
ACC: 254
IR: ROL
Registers: {'A': 255, 'B': 255, 'C': 39, 'D': 123, 'E': 227, 'F': 255, 'G': 81, 'H': 255, 'I': 227, 'J': 108}

State at step 45:
PC: 45
ACC: 253
IR: DEC D
Registers: {'A': 255, 'B': 255, 'C': 39, 'D': 123, 'E': 227, 'F': 255, 'G': 81, 'H': 255, 'I': 227, 'J': 108}

State at step 46:
PC: 46
ACC: 253
IR: POP I
Registers: {'A': 255, 'B': 255, 'C': 39, 'D': 122, 'E': 227, 'F': 255, 'G': 81, 'H': 255, 'I': 227, 'J': 108}

State at step 47:
PC: 47
ACC: 253
IR: DEC E

Registers: {'A': 255, 'B': 255, 'C': 39, 'D': 122, 'E': 227, 'F': 255, 'G': 81, 'H': 255, 'I': 253, 'J': 108}

State at step 48:
PC: 48
ACC: 253
IR: DIV A I
Registers: {'A': 255, 'B': 255, 'C': 39, 'D': 122, 'E': 226, 'F': 255, 'G': 81, 'H': 255, 'I': 253, 'J': 108}

State at step 49:
PC: 49
ACC: 253
IR: XOR J C B
Registers: {'A': 1, 'B': 255, 'C': 39, 'D': 122, 'E': 226, 'F': 255, 'G': 81, 'H': 255, 'I': 253, 'J': 108}

State at step 50:
PC: 50
ACC: 253
IR: SHR
Registers: {'A': 1, 'B': 75, 'C': 39, 'D': 122, 'E': 226, 'F': 255, 'G': 81, 'H': 255, 'I': 253, 'J': 108}

State at step 51:
PC: 51
ACC: 126
IR: ROL E
Registers: {'A': 1, 'B': 75, 'C': 39, 'D': 122, 'E': 226, 'F': 255, 'G': 81, 'H': 255, 'I': 253, 'J': 108}

State at step 52:
PC: 52
ACC: 126
IR: XOR J F
Registers: {'A': 1, 'B': 75, 'C': 39, 'D': 122, 'E': 197, 'F': 255, 'G': 81, 'H': 255, 'I': 253, 'J': 108}

State at step 53:
PC: 53
ACC: 126

IR: DIV A C
Registers: {'A': 1, 'B': 75, 'C': 39, 'D': 122, 'E': 197, 'F': 255, 'G': 81, 'H': 255, 'I': 253, 'J': 147}

State at step 54:
PC: 54
ACC: 126
IR: XOR H J C
Registers: {'A': 0, 'B': 75, 'C': 39, 'D': 122, 'E': 197, 'F': 255, 'G': 81, 'H': 255, 'I': 253, 'J': 147}

State at step 55:
PC: 55
ACC: 126
IR: MUL C G
Registers: {'A': 0, 'B': 75, 'C': 108, 'D': 122, 'E': 197, 'F': 255, 'G': 81, 'H': 255, 'I': 253, 'J': 147}

State at step 56:
PC: 56
ACC: 126
IR: NOT A
Registers: {'A': 0, 'B': 75, 'C': 255, 'D': 122, 'E': 197, 'F': 255, 'G': 81, 'H': 255, 'I': 253, 'J': 147}

State at step 57:
PC: 57
ACC: 126
IR: XOR B
Registers: {'A': 255, 'B': 75, 'C': 255, 'D': 122, 'E': 197, 'F': 255, 'G': 81, 'H': 255, 'I': 253, 'J': 147}

State at step 58:
PC: 58
ACC: 53
IR: XOR C D E
Registers: {'A': 255, 'B': 75, 'C': 255, 'D': 122, 'E': 197, 'F': 255, 'G': 81, 'H': 255, 'I': 253, 'J': 147}

State at step 59:
PC: 59

ACC: 53
IR: OR D E
Registers: {'A': 255, 'B': 75, 'C': 255, 'D': 122, 'E': 133, 'F': 255, 'G': 81, 'H': 255, 'I': 253, 'J': 147}

State at step 60:
PC: 60
ACC: 53
IR: PUSH I
Registers: {'A': 255, 'B': 75, 'C': 255, 'D': 255, 'E': 133, 'F': 255, 'G': 81, 'H': 255, 'I': 253, 'J': 147}

State at step 61:
PC: 61
ACC: 253
IR: LOADI 23
Registers: {'A': 255, 'B': 75, 'C': 255, 'D': 255, 'E': 133, 'F': 255, 'G': 81, 'H': 255, 'I': 253, 'J': 147}

State at step 62:
PC: 62
ACC: 23
IR: DEC
Registers: {'A': 255, 'B': 75, 'C': 255, 'D': 255, 'E': 133, 'F': 255, 'G': 81, 'H': 255, 'I': 253, 'J': 147}

State at step 63:
PC: 63
ACC: 22
IR: LOADI 230
Registers: {'A': 255, 'B': 75, 'C': 255, 'D': 255, 'E': 133, 'F': 255, 'G': 81, 'H': 255, 'I': 253, 'J': 147}

State at step 64:
PC: 64
ACC: 230
IR: CLR
Registers: {'A': 255, 'B': 75, 'C': 255, 'D': 255, 'E': 133, 'F': 255, 'G': 81, 'H': 255, 'I': 253, 'J': 147}

State at step 65:

PC: 65
ACC: 0
IR: SWAP F A
Registers: {'A': 255, 'B': 75, 'C': 255, 'D': 255, 'E': 133, 'F': 255, 'G': 81, 'H': 255, 'I': 253, 'J': 147}

State at step 66:
PC: 66
ACC: 0
IR: AND B E
Registers: {'A': 255, 'B': 75, 'C': 255, 'D': 255, 'E': 133, 'F': 255, 'G': 81, 'H': 255, 'I': 253, 'J': 147}

State at step 67:
PC: 67
ACC: 0
IR: DIV G
Registers: {'A': 255, 'B': 1, 'C': 255, 'D': 255, 'E': 133, 'F': 255, 'G': 81, 'H': 255, 'I': 253, 'J': 147}

State at step 68:
PC: 68
ACC: 0
IR: NOT
Registers: {'A': 255, 'B': 1, 'C': 255, 'D': 255, 'E': 133, 'F': 255, 'G': 81, 'H': 255, 'I': 253, 'J': 147}

State at step 69:
PC: 69
ACC: 255
IR: DEC D
Registers: {'A': 255, 'B': 1, 'C': 255, 'D': 255, 'E': 133, 'F': 255, 'G': 81, 'H': 255, 'I': 253, 'J': 147}

State at step 70:
PC: 70
ACC: 255
IR: SUB B I
Registers: {'A': 255, 'B': 1, 'C': 255, 'D': 254, 'E': 133, 'F': 255, 'G': 81, 'H': 255, 'I': 253, 'J': 147}

State at step 71:
PC: 71
ACC: 255
IR: SHR
Registers: {'A': 255, 'B': 0, 'C': 255, 'D': 254, 'E': 133, 'F': 255, 'G': 81, 'H': 255, 'I': 253, 'J': 147}

State at step 72:
PC: 72
ACC: 127
IR: SWAP I
Registers: {'A': 255, 'B': 0, 'C': 255, 'D': 254, 'E': 133, 'F': 255, 'G': 81, 'H': 255, 'I': 253, 'J': 147}

State at step 73:
PC: 73
ACC: 253
IR: AND H
Registers: {'A': 255, 'B': 0, 'C': 255, 'D': 254, 'E': 133, 'F': 255, 'G': 81, 'H': 255, 'I': 127, 'J': 147}

State at step 74:
PC: 74
ACC: 253
IR: SHR A
Registers: {'A': 255, 'B': 0, 'C': 255, 'D': 254, 'E': 133, 'F': 255, 'G': 81, 'H': 255, 'I': 127, 'J': 147}

State at step 75:
PC: 75
ACC: 253
IR: INC
Registers: {'A': 127, 'B': 0, 'C': 255, 'D': 254, 'E': 133, 'F': 255, 'G': 81, 'H': 255, 'I': 127, 'J': 147}

State at step 76:
PC: 76
ACC: 254
IR: DIV C D
Registers: {'A': 127, 'B': 0, 'C': 255, 'D': 254, 'E': 133, 'F': 255, 'G': 81, 'H': 255, 'I': 127, 'J': 147}

State at step 77:
PC: 77
ACC: 254
IR: ADD D F
Registers: {'A': 127, 'B': 0, 'C': 1, 'D': 254, 'E': 133, 'F': 255, 'G': 81, 'H': 255, 'I': 127, 'J': 147}

State at step 78:
PC: 78
ACC: 254
IR: SWAP E A
Registers: {'A': 127, 'B': 0, 'C': 1, 'D': 255, 'E': 133, 'F': 255, 'G': 81, 'H': 255, 'I': 127, 'J': 147}

State at step 79:
PC: 79
ACC: 254
IR: NOT
Registers: {'A': 133, 'B': 0, 'C': 1, 'D': 255, 'E': 127, 'F': 255, 'G': 81, 'H': 255, 'I': 127, 'J': 147}

State at step 80:
PC: 80
ACC: 1
IR: XOR G C J
Registers: {'A': 133, 'B': 0, 'C': 1, 'D': 255, 'E': 127, 'F': 255, 'G': 81, 'H': 255, 'I': 127, 'J': 147}

State at step 81:
PC: 81
ACC: 1
IR: INC
Registers: {'A': 133, 'B': 0, 'C': 1, 'D': 255, 'E': 127, 'F': 255, 'G': 81, 'H': 255, 'I': 127, 'J': 80}

State at step 82:
PC: 82
ACC: 2
IR: DIV C H D
Registers: {'A': 133, 'B': 0, 'C': 1, 'D': 255, 'E': 127, 'F': 255, 'G': 81, 'H': 255, 'I': 127, 'J': 80}

255, 'I': 127, 'J': 80}

State at step 83:
PC: 83
ACC: 2
IR: SHL
Registers: {'A': 133, 'B': 0, 'C': 1, 'D': 0, 'E': 127, 'F': 255, 'G': 81, 'H': 255, 'I': 127, 'J': 80}

State at step 84:
PC: 84
ACC: 4
IR: ROL
Registers: {'A': 133, 'B': 0, 'C': 1, 'D': 0, 'E': 127, 'F': 255, 'G': 81, 'H': 255, 'I': 127, 'J': 80}

State at step 85:
PC: 85
ACC: 8
IR: POP I
Registers: {'A': 133, 'B': 0, 'C': 1, 'D': 0, 'E': 127, 'F': 255, 'G': 81, 'H': 255, 'I': 127, 'J': 80}

State at step 86:
PC: 86
ACC: 8
IR: OR I E
Registers: {'A': 133, 'B': 0, 'C': 1, 'D': 0, 'E': 127, 'F': 255, 'G': 81, 'H': 255, 'I': 8, 'J': 80}

State at step 87:
PC: 87
ACC: 8
IR: POP F
Registers: {'A': 133, 'B': 0, 'C': 1, 'D': 0, 'E': 127, 'F': 255, 'G': 81, 'H': 255, 'I': 127, 'J': 80}

State at step 88:
PC: 88
ACC: 8
IR: AND A

Registers: {'A': 133, 'B': 0, 'C': 1, 'D': 0, 'E': 127, 'F': 8, 'G': 81, 'H': 255, 'I': 127, 'J': 80}

State at step 89:
PC: 89
ACC: 0
IR: ADD D J B
Registers: {'A': 133, 'B': 0, 'C': 1, 'D': 0, 'E': 127, 'F': 8, 'G': 81, 'H': 255, 'I': 127, 'J': 80}

State at step 90:
PC: 90
ACC: 0
IR: POP G
Registers: {'A': 133, 'B': 80, 'C': 1, 'D': 0, 'E': 127, 'F': 8, 'G': 81, 'H': 255, 'I': 127, 'J': 80}

State at step 91:
PC: 91
ACC: 0
IR: NOT J
Registers: {'A': 133, 'B': 80, 'C': 1, 'D': 0, 'E': 127, 'F': 8, 'G': 0, 'H': 255, 'I': 127, 'J': 80}

State at step 92:
PC: 92
ACC: 0
IR: SWAP F
Registers: {'A': 133, 'B': 80, 'C': 1, 'D': 0, 'E': 127, 'F': 8, 'G': 0, 'H': 255, 'I': 127, 'J': 175}

State at step 93:
PC: 93
ACC: 8
IR: SUB C B
Registers: {'A': 133, 'B': 80, 'C': 1, 'D': 0, 'E': 127, 'F': 0, 'G': 0, 'H': 255, 'I': 127, 'J': 175}

State at step 94:
PC: 94
ACC: 8

IR: SHL
Registers: {'A': 133, 'B': 80, 'C': 0, 'D': 0, 'E': 127, 'F': 0, 'G': 0, 'H': 255, 'I': 127, 'J': 175}

State at step 95:
PC: 95
ACC: 16
IR: SUB E
Registers: {'A': 133, 'B': 80, 'C': 0, 'D': 0, 'E': 127, 'F': 0, 'G': 0, 'H': 255, 'I': 127, 'J': 175}

State at step 96:
PC: 96
ACC: 0
IR: POP E
Registers: {'A': 133, 'B': 80, 'C': 0, 'D': 0, 'E': 127, 'F': 0, 'G': 0, 'H': 255, 'I': 127, 'J': 175}

State at step 97:
PC: 97
ACC: 0
IR: POP A
Registers: {'A': 133, 'B': 80, 'C': 0, 'D': 0, 'E': 0, 'F': 0, 'G': 0, 'H': 255, 'I': 127, 'J': 175}

State at step 98:
PC: 98
ACC: 0
IR: ADD I
Registers: {'A': 0, 'B': 80, 'C': 0, 'D': 0, 'E': 0, 'F': 0, 'G': 0, 'H': 255, 'I': 127, 'J': 175}

State at step 99:
PC: 99
ACC: 127
IR: MUL I
Registers: {'A': 0, 'B': 80, 'C': 0, 'D': 0, 'E': 0, 'F': 0, 'G': 0, 'H': 255, 'I': 127, 'J': 175}

State at step 100:
PC: 100

ACC: 255
IR: LOADI 175
Registers: {'A': 0, 'B': 80, 'C': 0, 'D': 0, 'E': 0, 'F': 0, 'G': 0, 'H': 255, 'I': 127, 'J': 175}

State at step 101:
PC: 101
ACC: 175
IR: XOR C B
Registers: {'A': 0, 'B': 80, 'C': 0, 'D': 0, 'E': 0, 'F': 0, 'G': 0, 'H': 255, 'I': 127, 'J': 175}

State at step 102:
PC: 102
ACC: 175
IR: ADD H H
Registers: {'A': 0, 'B': 80, 'C': 80, 'D': 0, 'E': 0, 'F': 0, 'G': 0, 'H': 255, 'I': 127, 'J': 175}

State at step 103:
PC: 103
ACC: 175
IR: DIV H
Registers: {'A': 0, 'B': 80, 'C': 80, 'D': 0, 'E': 0, 'F': 0, 'G': 0, 'H': 255, 'I': 127, 'J': 175}

State at step 104:
PC: 104
ACC: 0
IR: ROL B
Registers: {'A': 0, 'B': 80, 'C': 80, 'D': 0, 'E': 0, 'F': 0, 'G': 0, 'H': 255, 'I': 127, 'J': 175}

State at step 105:
PC: 105
ACC: 0
IR: DEC D
Registers: {'A': 0, 'B': 160, 'C': 80, 'D': 0, 'E': 0, 'F': 0, 'G': 0, 'H': 255, 'I': 127, 'J': 175}

State at step 106:

PC: 106
ACC: 0
IR: SWAP A
Registers: {'A': 0, 'B': 160, 'C': 80, 'D': 0, 'E': 0, 'F': 0, 'G': 0, 'H': 255, 'I': 127, 'J': 175}

State at step 107:
PC: 107
ACC: 0
IR: DEC J
Registers: {'A': 0, 'B': 160, 'C': 80, 'D': 0, 'E': 0, 'F': 0, 'G': 0, 'H': 255, 'I': 127, 'J': 175}

State at step 108:
PC: 108
ACC: 0
IR: ADD J
Registers: {'A': 0, 'B': 160, 'C': 80, 'D': 0, 'E': 0, 'F': 0, 'G': 0, 'H': 255, 'I': 127, 'J': 174}

State at step 109:
PC: 109
ACC: 174
IR: CLR C
Registers: {'A': 0, 'B': 160, 'C': 80, 'D': 0, 'E': 0, 'F': 0, 'G': 0, 'H': 255, 'I': 127, 'J': 174}

State at step 110:
PC: 110
ACC: 174
IR: ROR D
Registers: {'A': 0, 'B': 160, 'C': 0, 'D': 0, 'E': 0, 'F': 0, 'G': 0, 'H': 255, 'I': 127, 'J': 174}

State at step 111:
PC: 111
ACC: 174
IR: SHL G
Registers: {'A': 0, 'B': 160, 'C': 0, 'D': 0, 'E': 0, 'F': 0, 'G': 0, 'H': 255, 'I': 127, 'J': 174}

State at step 112:
PC: 112
ACC: 174
IR: SWAP H C
Registers: {'A': 0, 'B': 160, 'C': 0, 'D': 0, 'E': 0, 'F': 0, 'G': 0, 'H': 255, 'I': 127, 'J': 174}

State at step 113:
PC: 113
ACC: 174
IR: CLR D
Registers: {'A': 0, 'B': 160, 'C': 255, 'D': 0, 'E': 0, 'F': 0, 'G': 0, 'H': 0, 'I': 127, 'J': 174}

State at step 114:
PC: 114
ACC: 174
IR: MOV A G
Registers: {'A': 0, 'B': 160, 'C': 255, 'D': 0, 'E': 0, 'F': 0, 'G': 0, 'H': 0, 'I': 127, 'J': 174}

State at step 115:
PC: 115
ACC: 174
IR: POP C
Registers: {'A': 0, 'B': 160, 'C': 255, 'D': 0, 'E': 0, 'F': 0, 'G': 0, 'H': 0, 'I': 127, 'J': 174}

State at step 116:
PC: 116
ACC: 174
IR: SUB C H
Registers: {'A': 0, 'B': 160, 'C': 174, 'D': 0, 'E': 0, 'F': 0, 'G': 0, 'H': 0, 'I': 127, 'J': 174}

State at step 117:
PC: 117
ACC: 174
IR: MOV D A
Registers: {'A': 0, 'B': 160, 'C': 174, 'D': 0, 'E': 0, 'F': 0, 'G': 0, 'H': 0, 'I': 127, 'J': 174}

State at step 118:
PC: 118
ACC: 174
IR: PUSH E
Registers: {'A': 0, 'B': 160, 'C': 174, 'D': 0, 'E': 0, 'F': 0, 'G': 0, 'H': 0, 'I': 127, 'J': 174}

State at step 119:
PC: 119
ACC: 0
IR: ROL
Registers: {'A': 0, 'B': 160, 'C': 174, 'D': 0, 'E': 0, 'F': 0, 'G': 0, 'H': 0, 'I': 127, 'J': 174}

State at step 120:
PC: 120
ACC: 0
IR: LOADI 22
Registers: {'A': 0, 'B': 160, 'C': 174, 'D': 0, 'E': 0, 'F': 0, 'G': 0, 'H': 0, 'I': 127, 'J': 174}

State at step 121:
PC: 121
ACC: 22
IR: ADD I G B
Registers: {'A': 0, 'B': 160, 'C': 174, 'D': 0, 'E': 0, 'F': 0, 'G': 0, 'H': 0, 'I': 127, 'J': 174}

State at step 122:
PC: 122
ACC: 22
IR: LOADI 229
Registers: {'A': 0, 'B': 127, 'C': 174, 'D': 0, 'E': 0, 'F': 0, 'G': 0, 'H': 0, 'I': 127, 'J': 174}

State at step 123:
PC: 123
ACC: 229
IR: ROR
Registers: {'A': 0, 'B': 127, 'C': 174, 'D': 0, 'E': 0, 'F': 0, 'G': 0, 'H': 0, 'I': 127,

'J': 174}

State at step 124:
PC: 124
ACC: 242
IR: LOADI 61
Registers: {'A': 0, 'B': 127, 'C': 174, 'D': 0, 'E': 0, 'F': 0, 'G': 0, 'H': 0, 'I': 127, 'J': 174}

State at step 125:
PC: 125
ACC: 61
IR: AND F D
Registers: {'A': 0, 'B': 127, 'C': 174, 'D': 0, 'E': 0, 'F': 0, 'G': 0, 'H': 0, 'I': 127, 'J': 174}

State at step 126:
PC: 126
ACC: 61
IR: XOR B H F
Registers: {'A': 0, 'B': 127, 'C': 174, 'D': 0, 'E': 0, 'F': 0, 'G': 0, 'H': 0, 'I': 127, 'J': 174}

State at step 127:
PC: 127
ACC: 61
IR: CLR C
Registers: {'A': 0, 'B': 127, 'C': 174, 'D': 0, 'E': 0, 'F': 127, 'G': 0, 'H': 0, 'I': 127, 'J': 174}

State at step 128:
PC: 128
ACC: 61
IR: PUSH A
Registers: {'A': 0, 'B': 127, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 0, 'H': 0, 'I': 127, 'J': 174}

State at step 129:
PC: 129
ACC: 0
IR: SHR D

Registers: {'A': 0, 'B': 127, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 0, 'H': 0, 'I': 127, 'J': 174}

State at step 130:
PC: 130
ACC: 0
IR: SWAP J
Registers: {'A': 0, 'B': 127, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 0, 'H': 0, 'I': 127, 'J': 174}

State at step 131:
PC: 131
ACC: 174
IR: SHL B
Registers: {'A': 0, 'B': 127, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 0, 'H': 0, 'I': 127, 'J': 0}

State at step 132:
PC: 132
ACC: 174
IR: XOR A A H
Registers: {'A': 0, 'B': 254, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 0, 'H': 0, 'I': 127, 'J': 0}

State at step 133:
PC: 133
ACC: 174
IR: ROR H
Registers: {'A': 0, 'B': 254, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 0, 'H': 0, 'I': 127, 'J': 0}

State at step 134:
PC: 134
ACC: 174
IR: SHR
Registers: {'A': 0, 'B': 254, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 0, 'H': 0, 'I': 127, 'J': 0}

State at step 135:
PC: 135
ACC: 87

IR: INC B
Registers: {'A': 0, 'B': 254, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 0, 'H': 0, 'I': 127, 'J': 0}

State at step 136:
PC: 136
ACC: 87
IR: CLR H
Registers: {'A': 0, 'B': 255, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 0, 'H': 0, 'I': 127, 'J': 0}

State at step 137:
PC: 137
ACC: 87
IR: AND J F
Registers: {'A': 0, 'B': 255, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 0, 'H': 0, 'I': 127, 'J': 0}

State at step 138:
PC: 138
ACC: 87
IR: MOV H B
Registers: {'A': 0, 'B': 255, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 0, 'H': 0, 'I': 127, 'J': 0}

State at step 139:
PC: 139
ACC: 87
IR: DIV D I H
Registers: {'A': 0, 'B': 255, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 0, 'H': 255, 'I': 127, 'J': 0}

State at step 140:
PC: 140
ACC: 87
IR: SUB E C
Registers: {'A': 0, 'B': 255, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 0, 'H': 0, 'I': 127, 'J': 0}

State at step 141:
PC: 141

ACC: 87
IR: ROR G
Registers: {'A': 0, 'B': 255, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 0, 'H': 0, 'I': 127, 'J': 0}

State at step 142:
PC: 142
ACC: 87
IR: CLR
Registers: {'A': 0, 'B': 255, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 0, 'H': 0, 'I': 127, 'J': 0}

State at step 143:
PC: 143
ACC: 0
IR: DEC B
Registers: {'A': 0, 'B': 255, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 0, 'H': 0, 'I': 127, 'J': 0}

State at step 144:
PC: 144
ACC: 0
IR: INC E
Registers: {'A': 0, 'B': 254, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 0, 'H': 0, 'I': 127, 'J': 0}

State at step 145:
PC: 145
ACC: 0
IR: MUL J I
Registers: {'A': 0, 'B': 254, 'C': 0, 'D': 0, 'E': 1, 'F': 127, 'G': 0, 'H': 0, 'I': 127, 'J': 0}

State at step 146:
PC: 146
ACC: 0
IR: NOT
Registers: {'A': 0, 'B': 254, 'C': 0, 'D': 0, 'E': 1, 'F': 127, 'G': 0, 'H': 0, 'I': 127, 'J': 0}

State at step 147:

PC: 147
ACC: 255
IR: SUB I
Registers: {'A': 0, 'B': 254, 'C': 0, 'D': 0, 'E': 1, 'F': 127, 'G': 0, 'H': 0, 'I': 127, 'J': 0}

State at step 148:
PC: 148
ACC: 128
IR: DEC H
Registers: {'A': 0, 'B': 254, 'C': 0, 'D': 0, 'E': 1, 'F': 127, 'G': 0, 'H': 0, 'I': 127, 'J': 0}

State at step 149:
PC: 149
ACC: 128
IR: SHL C
Registers: {'A': 0, 'B': 254, 'C': 0, 'D': 0, 'E': 1, 'F': 127, 'G': 0, 'H': 0, 'I': 127, 'J': 0}

State at step 150:
PC: 150
ACC: 128
IR: SHR D
Registers: {'A': 0, 'B': 254, 'C': 0, 'D': 0, 'E': 1, 'F': 127, 'G': 0, 'H': 0, 'I': 127, 'J': 0}

State at step 151:
PC: 151
ACC: 128
IR: MOV A C
Registers: {'A': 0, 'B': 254, 'C': 0, 'D': 0, 'E': 1, 'F': 127, 'G': 0, 'H': 0, 'I': 127, 'J': 0}

State at step 152:
PC: 152
ACC: 128
IR: ADD A
Registers: {'A': 0, 'B': 254, 'C': 0, 'D': 0, 'E': 1, 'F': 127, 'G': 0, 'H': 0, 'I': 127, 'J': 0}

State at step 153:
PC: 153
ACC: 128
IR: LOADI 144
Registers: {'A': 0, 'B': 254, 'C': 0, 'D': 0, 'E': 1, 'F': 127, 'G': 0, 'H': 0, 'I': 127, 'J': 0}

State at step 154:
PC: 154
ACC: 144
IR: SHL
Registers: {'A': 0, 'B': 254, 'C': 0, 'D': 0, 'E': 1, 'F': 127, 'G': 0, 'H': 0, 'I': 127, 'J': 0}

State at step 155:
PC: 155
ACC: 32
IR: LOADI 51
Registers: {'A': 0, 'B': 254, 'C': 0, 'D': 0, 'E': 1, 'F': 127, 'G': 0, 'H': 0, 'I': 127, 'J': 0}

State at step 156:
PC: 156
ACC: 51
IR: SUB I B E
Registers: {'A': 0, 'B': 254, 'C': 0, 'D': 0, 'E': 1, 'F': 127, 'G': 0, 'H': 0, 'I': 127, 'J': 0}

State at step 157:
PC: 157
ACC: 51
IR: ADD C H E
Registers: {'A': 0, 'B': 254, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 0, 'H': 0, 'I': 127, 'J': 0}

State at step 158:
PC: 158
ACC: 51
IR: LOADI 168
Registers: {'A': 0, 'B': 254, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 0, 'H': 0, 'I': 127, 'J': 0}

State at step 159:
PC: 159
ACC: 168
IR: SHL B
Registers: {'A': 0, 'B': 254, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 0, 'H': 0, 'I': 127, 'J': 0}

State at step 160:
PC: 160
ACC: 168
IR: NOT G
Registers: {'A': 0, 'B': 252, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 0, 'H': 0, 'I': 127, 'J': 0}

State at step 161:
PC: 161
ACC: 168
IR: MUL D F B
Registers: {'A': 0, 'B': 252, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 255, 'H': 0, 'I': 127, 'J': 0}

State at step 162:
PC: 162
ACC: 168
IR: SHL B
Registers: {'A': 0, 'B': 0, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 255, 'H': 0, 'I': 127, 'J': 0}

State at step 163:
PC: 163
ACC: 168
IR: OR I B
Registers: {'A': 0, 'B': 0, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 255, 'H': 0, 'I': 127, 'J': 0}

State at step 164:
PC: 164
ACC: 168
IR: MOV E H
Registers: {'A': 0, 'B': 0, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 255, 'H': 0, 'I': 127,

'J': 0}

State at step 165:
PC: 165
ACC: 168
IR: ROR
Registers: {'A': 0, 'B': 0, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 255, 'H': 0, 'I': 127, 'J': 0}

State at step 166:
PC: 166
ACC: 84
IR: DIV B I H
Registers: {'A': 0, 'B': 0, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 255, 'H': 0, 'I': 127, 'J': 0}

State at step 167:
PC: 167
ACC: 84
IR: SUB J J C
Registers: {'A': 0, 'B': 0, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 255, 'H': 0, 'I': 127, 'J': 0}

State at step 168:
PC: 168
ACC: 84
IR: SHR
Registers: {'A': 0, 'B': 0, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 255, 'H': 0, 'I': 127, 'J': 0}

State at step 169:
PC: 169
ACC: 42
IR: ROR D
Registers: {'A': 0, 'B': 0, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 255, 'H': 0, 'I': 127, 'J': 0}

State at step 170:
PC: 170
ACC: 42
IR: MUL H

Registers: {'A': 0, 'B': 0, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 255, 'H': 0, 'I': 127, 'J': 0}

State at step 171:
PC: 171
ACC: 0
IR: NOT
Registers: {'A': 0, 'B': 0, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 255, 'H': 0, 'I': 127, 'J': 0}

State at step 172:
PC: 172
ACC: 255
IR: DEC
Registers: {'A': 0, 'B': 0, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 255, 'H': 0, 'I': 127, 'J': 0}

State at step 173:
PC: 173
ACC: 254
IR: SUB A I C
Registers: {'A': 0, 'B': 0, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 255, 'H': 0, 'I': 127, 'J': 0}

State at step 174:
PC: 174
ACC: 254
IR: NOT I
Registers: {'A': 0, 'B': 0, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 255, 'H': 0, 'I': 127, 'J': 0}

State at step 175:
PC: 175
ACC: 254
IR: AND A
Registers: {'A': 0, 'B': 0, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 255, 'H': 0, 'I': 128, 'J': 0}

State at step 176:
PC: 176
ACC: 0

IR: DEC I
Registers: {'A': 0, 'B': 0, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 255, 'H': 0, 'I': 128, 'J': 0}

State at step 177:
PC: 177
ACC: 0
IR: POP J
Registers: {'A': 0, 'B': 0, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 255, 'H': 0, 'I': 127, 'J': 0}

State at step 178:
PC: 178
ACC: 0
IR: NOT H
Registers: {'A': 0, 'B': 0, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 255, 'H': 0, 'I': 127, 'J': 0}

State at step 179:
PC: 179
ACC: 0
IR: DIV G
Registers: {'A': 0, 'B': 0, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 255, 'H': 255, 'I': 127, 'J': 0}

State at step 180:
PC: 180
ACC: 0
IR: AND B
Registers: {'A': 0, 'B': 0, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 255, 'H': 255, 'I': 127, 'J': 0}

State at step 181:
PC: 181
ACC: 0
IR: INC A
Registers: {'A': 0, 'B': 0, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 255, 'H': 255, 'I': 127, 'J': 0}

State at step 182:
PC: 182

ACC: 0
IR: ROL C
Registers: {'A': 1, 'B': 0, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 255, 'H': 255, 'I': 127, 'J': 0}

State at step 183:
PC: 183
ACC: 0
IR: DEC B
Registers: {'A': 1, 'B': 0, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 255, 'H': 255, 'I': 127, 'J': 0}

State at step 184:
PC: 184
ACC: 0
IR: SHR C
Registers: {'A': 1, 'B': 0, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 255, 'H': 255, 'I': 127, 'J': 0}

State at step 185:
PC: 185
ACC: 0
IR: NOT
Registers: {'A': 1, 'B': 0, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 255, 'H': 255, 'I': 127, 'J': 0}

State at step 186:
PC: 186
ACC: 255
IR: MOV F E
Registers: {'A': 1, 'B': 0, 'C': 0, 'D': 0, 'E': 0, 'F': 127, 'G': 255, 'H': 255, 'I': 127, 'J': 0}

State at step 187:
PC: 187
ACC: 255
IR: POP I
Registers: {'A': 1, 'B': 0, 'C': 0, 'D': 0, 'E': 0, 'F': 0, 'G': 255, 'H': 255, 'I': 127, 'J': 0}

State at step 188:

PC: 188
ACC: 255
IR: DIV I C F
Registers: {'A': 1, 'B': 0, 'C': 0, 'D': 0, 'E': 0, 'F': 0, 'G': 255, 'H': 255, 'I': 255, 'J': 0}

State at step 189:
PC: 189
ACC: 255
IR: NOT
Registers: {'A': 1, 'B': 0, 'C': 0, 'D': 0, 'E': 0, 'F': 255, 'G': 255, 'H': 255, 'I': 255, 'J': 0}

State at step 190:
PC: 190
ACC: 0
IR: ROL A
Registers: {'A': 1, 'B': 0, 'C': 0, 'D': 0, 'E': 0, 'F': 255, 'G': 255, 'H': 255, 'I': 255, 'J': 0}

State at step 191:
PC: 191
ACC: 0
IR: SUB J
Registers: {'A': 2, 'B': 0, 'C': 0, 'D': 0, 'E': 0, 'F': 255, 'G': 255, 'H': 255, 'I': 255, 'J': 0}

State at step 192:
PC: 192
ACC: 0
IR: CLR B
Registers: {'A': 2, 'B': 0, 'C': 0, 'D': 0, 'E': 0, 'F': 255, 'G': 255, 'H': 255, 'I': 255, 'J': 0}

State at step 193:
PC: 193
ACC: 0
IR: ADD J
Registers: {'A': 2, 'B': 0, 'C': 0, 'D': 0, 'E': 0, 'F': 255, 'G': 255, 'H': 255, 'I': 255, 'J': 0}

State at step 194:
PC: 194
ACC: 0
IR: NOT
Registers: {'A': 2, 'B': 0, 'C': 0, 'D': 0, 'E': 0, 'F': 255, 'G': 255, 'H': 255, 'I': 255, 'J': 0}

State at step 195:
PC: 195
ACC: 255
IR: DIV F H
Registers: {'A': 2, 'B': 0, 'C': 0, 'D': 0, 'E': 0, 'F': 255, 'G': 255, 'H': 255, 'I': 255, 'J': 0}

State at step 196:
PC: 196
ACC: 255
IR: AND J C
Registers: {'A': 2, 'B': 0, 'C': 0, 'D': 0, 'E': 0, 'F': 1, 'G': 255, 'H': 255, 'I': 255, 'J': 0}

State at step 197:
PC: 197
ACC: 255
IR: LOADI 132
Registers: {'A': 2, 'B': 0, 'C': 0, 'D': 0, 'E': 0, 'F': 1, 'G': 255, 'H': 255, 'I': 255, 'J': 0}

State at step 198:
PC: 198
ACC: 132
IR: INC I
Registers: {'A': 2, 'B': 0, 'C': 0, 'D': 0, 'E': 0, 'F': 1, 'G': 255, 'H': 255, 'I': 255, 'J': 0}

State at step 199:
PC: 199
ACC: 132
IR: MUL H H D
Registers: {'A': 2, 'B': 0, 'C': 0, 'D': 0, 'E': 0, 'F': 1, 'G': 255, 'H': 255, 'I': 255, 'J': 0}

State at step 200:
PC: 200
ACC: 132
IR: SWAP E H
Registers: {'A': 2, 'B': 0, 'C': 0, 'D': 255, 'E': 0, 'F': 1, 'G': 255, 'H': 255, 'I': 255, 'J': 0}

State at step 201:
PC: 201
ACC: 132
IR: SWAP E
Registers: {'A': 2, 'B': 0, 'C': 0, 'D': 255, 'E': 255, 'F': 1, 'G': 255, 'H': 0, 'I': 255, 'J': 0}

State at step 202:
PC: 202
ACC: 255
IR: DIV I C
Registers: {'A': 2, 'B': 0, 'C': 0, 'D': 255, 'E': 132, 'F': 1, 'G': 255, 'H': 0, 'I': 255, 'J': 0}

State at step 203:
PC: 203
ACC: 255
IR: POP D
Registers: {'A': 2, 'B': 0, 'C': 0, 'D': 255, 'E': 132, 'F': 1, 'G': 255, 'H': 0, 'I': 255, 'J': 0}

State at step 204:
PC: 204
ACC: 255
IR: SWAP A
Registers: {'A': 2, 'B': 0, 'C': 0, 'D': 255, 'E': 132, 'F': 1, 'G': 255, 'H': 0, 'I': 255, 'J': 0}

State at step 205:
PC: 205
ACC: 2
IR: DIV D H E
Registers: {'A': 255, 'B': 0, 'C': 0, 'D': 255, 'E': 132, 'F': 1, 'G': 255, 'H': 0,

'I': 255, 'J': 0}

State at step 206:
PC: 206
ACC: 2
IR: POP F
Registers: {'A': 255, 'B': 0, 'C': 0, 'D': 255, 'E': 255, 'F': 1, 'G': 255, 'H': 0, 'I': 255, 'J': 0}

State at step 207:
PC: 207
ACC: 2
IR: INC
Registers: {'A': 255, 'B': 0, 'C': 0, 'D': 255, 'E': 255, 'F': 2, 'G': 255, 'H': 0, 'I': 255, 'J': 0}

State at step 208:
PC: 208
ACC: 3
IR: POP C
Registers: {'A': 255, 'B': 0, 'C': 0, 'D': 255, 'E': 255, 'F': 2, 'G': 255, 'H': 0, 'I': 255, 'J': 0}

State at step 209:
PC: 209
ACC: 3
IR: XOR A
Registers: {'A': 255, 'B': 0, 'C': 3, 'D': 255, 'E': 255, 'F': 2, 'G': 255, 'H': 0, 'I': 255, 'J': 0}

State at step 210:
PC: 210
ACC: 252
IR: AND G F
Registers: {'A': 255, 'B': 0, 'C': 3, 'D': 255, 'E': 255, 'F': 2, 'G': 255, 'H': 0, 'I': 255, 'J': 0}

State at step 211:
PC: 211
ACC: 252
IR: CLR I

Registers: {'A': 255, 'B': 0, 'C': 3, 'D': 255, 'E': 255, 'F': 2, 'G': 2, 'H': 0, 'I': 255, 'J': 0}

State at step 212:
PC: 212
ACC: 252
IR: AND E
Registers: {'A': 255, 'B': 0, 'C': 3, 'D': 255, 'E': 255, 'F': 2, 'G': 2, 'H': 0, 'I': 0, 'J': 0}

State at step 213:
PC: 213
ACC: 252
IR: XOR B
Registers: {'A': 255, 'B': 0, 'C': 3, 'D': 255, 'E': 255, 'F': 2, 'G': 2, 'H': 0, 'I': 0, 'J': 0}

State at step 214:
PC: 214
ACC: 252
IR: XOR G I
Registers: {'A': 255, 'B': 0, 'C': 3, 'D': 255, 'E': 255, 'F': 2, 'G': 2, 'H': 0, 'I': 0, 'J': 0}

State at step 215:
PC: 215
ACC: 252
IR: SUB A G I
Registers: {'A': 255, 'B': 0, 'C': 3, 'D': 255, 'E': 255, 'F': 2, 'G': 2, 'H': 0, 'I': 0, 'J': 0}

State at step 216:
PC: 216
ACC: 252
IR: SUB H
Registers: {'A': 255, 'B': 0, 'C': 3, 'D': 255, 'E': 255, 'F': 2, 'G': 2, 'H': 0, 'I': 253, 'J': 0}

State at step 217:
PC: 217
ACC: 252

IR: LOADI 215
Registers: {'A': 255, 'B': 0, 'C': 3, 'D': 255, 'E': 255, 'F': 2, 'G': 2, 'H': 0, 'I': 253, 'J': 0}

State at step 218:
PC: 218
ACC: 215
IR: ROL A
Registers: {'A': 255, 'B': 0, 'C': 3, 'D': 255, 'E': 255, 'F': 2, 'G': 2, 'H': 0, 'I': 253, 'J': 0}

State at step 219:
PC: 219
ACC: 215
IR: XOR J B J
Registers: {'A': 255, 'B': 0, 'C': 3, 'D': 255, 'E': 255, 'F': 2, 'G': 2, 'H': 0, 'I': 253, 'J': 0}

State at step 220:
PC: 220
ACC: 215
IR: SHL B
Registers: {'A': 255, 'B': 0, 'C': 3, 'D': 255, 'E': 255, 'F': 2, 'G': 2, 'H': 0, 'I': 253, 'J': 0}

State at step 221:
PC: 221
ACC: 215
IR: MOV C G
Registers: {'A': 255, 'B': 0, 'C': 3, 'D': 255, 'E': 255, 'F': 2, 'G': 2, 'H': 0, 'I': 253, 'J': 0}

State at step 222:
PC: 222
ACC: 215
IR: CLR C
Registers: {'A': 255, 'B': 0, 'C': 2, 'D': 255, 'E': 255, 'F': 2, 'G': 2, 'H': 0, 'I': 253, 'J': 0}

State at step 223:
PC: 223

ACC: 215
IR: ADD A A
Registers: {'A': 255, 'B': 0, 'C': 0, 'D': 255, 'E': 255, 'F': 2, 'G': 2, 'H': 0, 'I': 253, 'J': 0}

State at step 224:
PC: 224
ACC: 215
IR: POP F
Registers: {'A': 255, 'B': 0, 'C': 0, 'D': 255, 'E': 255, 'F': 2, 'G': 2, 'H': 0, 'I': 253, 'J': 0}

State at step 225:
PC: 225
ACC: 215
IR: DEC
Registers: {'A': 255, 'B': 0, 'C': 0, 'D': 255, 'E': 255, 'F': 215, 'G': 2, 'H': 0, 'I': 253, 'J': 0}

State at step 226:
PC: 226
ACC: 214
IR: SUB F
Registers: {'A': 255, 'B': 0, 'C': 0, 'D': 255, 'E': 255, 'F': 215, 'G': 2, 'H': 0, 'I': 253, 'J': 0}

State at step 227:
PC: 227
ACC: 0
IR: INC
Registers: {'A': 255, 'B': 0, 'C': 0, 'D': 255, 'E': 255, 'F': 215, 'G': 2, 'H': 0, 'I': 253, 'J': 0}

State at step 228:
PC: 228
ACC: 1
IR: ROR
Registers: {'A': 255, 'B': 0, 'C': 0, 'D': 255, 'E': 255, 'F': 215, 'G': 2, 'H': 0, 'I': 253, 'J': 0}

State at step 229:

PC: 229
ACC: 128
IR: XOR D D
Registers: {'A': 255, 'B': 0, 'C': 0, 'D': 255, 'E': 255, 'F': 215, 'G': 2, 'H': 0, 'I': 253, 'J': 0}

State at step 230:
PC: 230
ACC: 128
IR: ADD C F
Registers: {'A': 255, 'B': 0, 'C': 0, 'D': 0, 'E': 255, 'F': 215, 'G': 2, 'H': 0, 'I': 253, 'J': 0}

State at step 231:
PC: 231
ACC: 128
IR: SUB G C
Registers: {'A': 255, 'B': 0, 'C': 215, 'D': 0, 'E': 255, 'F': 215, 'G': 2, 'H': 0, 'I': 253, 'J': 0}

State at step 232:
PC: 232
ACC: 128
IR: ADD D
Registers: {'A': 255, 'B': 0, 'C': 215, 'D': 0, 'E': 255, 'F': 215, 'G': 0, 'H': 0, 'I': 253, 'J': 0}

State at step 233:
PC: 233
ACC: 128
IR: POP H
Registers: {'A': 255, 'B': 0, 'C': 215, 'D': 0, 'E': 255, 'F': 215, 'G': 0, 'H': 0, 'I': 253, 'J': 0}

State at step 234:
PC: 234
ACC: 128
IR: DEC I
Registers: {'A': 255, 'B': 0, 'C': 215, 'D': 0, 'E': 255, 'F': 215, 'G': 0, 'H': 128, 'I': 253, 'J': 0}

State at step 235:
PC: 235
ACC: 128
IR: SWAP I J
Registers: {'A': 255, 'B': 0, 'C': 215, 'D': 0, 'E': 255, 'F': 215, 'G': 0, 'H': 128, 'I': 252, 'J': 0}

State at step 236:
PC: 236
ACC: 128
IR: MOV E C
Registers: {'A': 255, 'B': 0, 'C': 215, 'D': 0, 'E': 255, 'F': 215, 'G': 0, 'H': 128, 'I': 0, 'J': 252}

State at step 237:
PC: 237
ACC: 128
IR: XOR F E H
Registers: {'A': 255, 'B': 0, 'C': 215, 'D': 0, 'E': 215, 'F': 215, 'G': 0, 'H': 128, 'I': 0, 'J': 252}

State at step 238:
PC: 238
ACC: 128
IR: DIV G B A
Registers: {'A': 255, 'B': 0, 'C': 215, 'D': 0, 'E': 215, 'F': 215, 'G': 0, 'H': 0, 'I': 0, 'J': 252}

State at step 239:
PC: 239
ACC: 128
IR: DEC
Registers: {'A': 255, 'B': 0, 'C': 215, 'D': 0, 'E': 215, 'F': 215, 'G': 0, 'H': 0, 'I': 0, 'J': 252}

State at step 240:
PC: 240
ACC: 127
IR: SHR C
Registers: {'A': 255, 'B': 0, 'C': 215, 'D': 0, 'E': 215, 'F': 215, 'G': 0, 'H': 0, 'I': 0, 'J': 252}

State at step 241:
PC: 241
ACC: 127
IR: MOV J F
Registers: {'A': 255, 'B': 0, 'C': 107, 'D': 0, 'E': 215, 'F': 215, 'G': 0, 'H': 0, 'I': 0, 'J': 252}

State at step 242:
PC: 242
ACC: 127
IR: OR H
Registers: {'A': 255, 'B': 0, 'C': 107, 'D': 0, 'E': 215, 'F': 215, 'G': 0, 'H': 0, 'I': 0, 'J': 215}

State at step 243:
PC: 243
ACC: 127
IR: MUL B F
Registers: {'A': 255, 'B': 0, 'C': 107, 'D': 0, 'E': 215, 'F': 215, 'G': 0, 'H': 0, 'I': 0, 'J': 215}

State at step 244:
PC: 244
ACC: 127
IR: ROL
Registers: {'A': 255, 'B': 0, 'C': 107, 'D': 0, 'E': 215, 'F': 215, 'G': 0, 'H': 0, 'I': 0, 'J': 215}

State at step 245:
PC: 245
ACC: 254
IR: OR E
Registers: {'A': 255, 'B': 0, 'C': 107, 'D': 0, 'E': 215, 'F': 215, 'G': 0, 'H': 0, 'I': 0, 'J': 215}

State at step 246:
PC: 246
ACC: 255
IR: DIV A A
Registers: {'A': 255, 'B': 0, 'C': 107, 'D': 0, 'E': 215, 'F': 215, 'G': 0, 'H': 0,

'I': 0, 'J': 215}

State at step 247:
PC: 247
ACC: 255
IR: NOT A
Registers: {'A': 1, 'B': 0, 'C': 107, 'D': 0, 'E': 215, 'F': 215, 'G': 0, 'H': 0, 'I': 0, 'J': 215}

State at step 248:
PC: 248
ACC: 255
IR: MOV D E
Registers: {'A': 254, 'B': 0, 'C': 107, 'D': 0, 'E': 215, 'F': 215, 'G': 0, 'H': 0, 'I': 0, 'J': 215}

State at step 249:
PC: 249
ACC: 255
IR: INC
Registers: {'A': 254, 'B': 0, 'C': 107, 'D': 215, 'E': 215, 'F': 215, 'G': 0, 'H': 0, 'I': 0, 'J': 215}

State at step 250:
PC: 250
ACC: 255
IR: MOV F F
Registers: {'A': 254, 'B': 0, 'C': 107, 'D': 215, 'E': 215, 'F': 215, 'G': 0, 'H': 0, 'I': 0, 'J': 215}

State at step 251:
PC: 251
ACC: 255
IR: HLT
Registers: {'A': 254, 'B': 0, 'C': 107, 'D': 215, 'E': 215, 'F': 215, 'G': 0, 'H': 0, 'I': 0, 'J': 215}