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	Instruction	Stack before	Stack after	Effect
0	CSTI i	S	$\Rightarrow s,i$	Push constant i
1	ADD	s, i_1, i_2	$\Rightarrow s, (i_1+i_2)$	Add
2	SUB	s, i_1, i_2	$\Rightarrow s, (i_1 - i_2)$	Subtract
3	MUL	s, i_1, i_2	$\Rightarrow s, (i_1 * i_2)$	Multiply
4	DIV	s, i_1, i_2	$\Rightarrow s, (i_1/i_2)$	Divide
5	MOD	s, i_1, i_2	$\Rightarrow s, (i_1\%i_2)$	Modulo
6	EQ	s, i_1, i_2	$\Rightarrow s, (i_1 = i_2)$	Equality (0 or 1)
7	LT	s, i_1, i_2	$\Rightarrow s, (i_1 < i_2)$	Less-than (0 or 1)
8	NOT	s, v	$\Rightarrow s,!v$	Negation (0 or 1)
9	DUP	s, v	$\Rightarrow s, v, v$	Duplicate
10	SWAP	s, v_1, v_2	$\Rightarrow s, v_2, v_1$	Swap
11	LDI	s, i	$\Rightarrow s,s[i]$	Load indirect
12	STI	s, i, v	$\Rightarrow s, v$	Store indirect $s[i] = v$
13	GETBP	S	$\Rightarrow s,bp$	Load base ptr bp
14	GETSP	S	$\Rightarrow s, sp$	Load stack ptr sp
15	INCSP m	S	$\Rightarrow s, v_1,, v_m$	Grow stack $(m \ge 0)$
15	INCSP m	$s, v_1,, v_{-m}$	\Rightarrow s	Shrink stack $(m < 0)$
16	GOTO a	S	\Rightarrow s	Jump to a
17	IFZERO a	s, v	\Rightarrow s	Jump to a if $v = 0$
18	IFNZRO a	s, v	\Rightarrow s	Jump to <i>a</i> if $v \neq 0$
19	CALL m a	$s, v_1,, v_m$	$\Rightarrow s,r,bp,v_1,,v_m$	Call function at a
20	TCALL $m n a$	$s, r, b, u_1,, u_n, v_1,, v_m$	$\Rightarrow s,r,b,v_1,,v_m$	Tailcall function at a
21	RET m	$s,r,b,v_1,,v_m,v$	$\Rightarrow s,v$	Return $bp = b$, $pc = r$
22	PRINTI	s, v	$\Rightarrow s,v$	Print integer ν
23	PRINTC	s, v	$\Rightarrow s,v$	Print character v
24	LDARGS	S	$\Rightarrow s, i_1,, i_n$	Command line args
25	STOP	S	⇒ _	Halt the machine