|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Byte code | I | Instruction | C Source | Description | Stakken |
| 24 | 0 | LDARGS | int n | Args given to main | [n] |
| 19 1 5 | 1 | CALL 1 5 | main() { | Call main | [n] |
| 25 | 4 | STOP | } | End of main | \_ |
| 15 1 | 5 | INCSP 1 | int i |  | [n, i] |
| 13 | 7 | GETBP |  |  | [n, i] |
| 0 1 | 8 | CSTI 1 | i = 1 | Assign i to 1 | [n, i] |
| 1 | 10 | ADD |  |  |  |
| 0 0 | 11 | CSTI 0 |  |  |  |
| 12 | 13 | STI |  |  |  |
| 15 -1 | 14 | INCSP -1 |  |  |  |
| 16 43 | 16 | GOTO 43 |  |  |  |
| 13 | 18 | GETBP |  |  |  |
| 0 1 | 19 | CSTI 1 |  |  |  |
| 1 | 21 | ADD |  |  |  |
| 11 | 22 | LDI |  |  |  |
| 22 | 23 | PRINTI |  |  |  |
| 15 -1 | 24 | INCSP -1 |  |  |  |
| 13 | 26 | GETBP |  |  |  |
| 0 1 | 27 | CSTI 1 |  |  |  |
| 1 | 28 | ADD |  |  |  |
| 13 | 29 | GETBP |  |  |  |
| 0 1 | 30 | CSTI 1 |  |  |  |
| 1 | 32 | ADD |  |  |  |
| 11 | 33 | LDI |  |  |  |
| 0 1 | 34 | CSTI 1 |  |  |  |
| 1 | 36 | ADD |  |  |  |
| 12 | 37 | STI |  |  |  |
| 15 -1 | 38 | INCSP -1 |  |  |  |
| 15 0 | 40 | INCSP 0 |  |  |  |
| 13 | 42 | GETBP |  |  |  |
| 0 1 | 43 | CSTI 1 |  |  |  |
| 1 | 45 | ADD |  |  |  |
| 11 | 46 | LDI |  |  |  |
| 13 | 47 | GETBP |  |  |  |
| 0 0 | 48 | CSTI 0 |  |  |  |
| 1 | 50 | ADD |  |  |  |
| 11 | 51 | LDI |  |  |  |
| 7 | 52 | LT |  |  |  |
| 18 18 | 53 | IFNZERO 18 |  |  |  |
| 15 -1 | 56 | INCSP -1 |  |  |  |
| 21 0 | 57 | RET 0 |  | End of loop |  |