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|------|------|-----------|
| | LD | G0 , M |
| | LD | G1 , ZERO |
| LOOP | CMP | G0 , N |
| | JM | STOP |
| | SUB | G0 , N |
| | ADD | G1 , ONE |
| | JMP | LOOP |
| STOP | ST | G1 , K |
| | ST | G0 , L |
| | HALT | |
| M | DC | 100 |
| N | DC | 10 |
| ONE | DC | 1 |
| ZERO | DC | 0 |
| K | DS | 1 |
| L | DS | 1 |