PROGRAMA

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| --- | --- | --- | --- |
| 00 | AC <- MEM(x0A) | LDA x0A | 0010 1010 |
| 01 | AC <- MEM(x0B)+AC | ADD x0B | 0011 1011 |
| 02 | AC <- MEM(x0C)+AC | ADD x0C | 0011 1100 |
| 03 | IF N=1 THEN PC <- x06 | JN x06 | 1001 0110 |
| 04 | AC <- MEM(END13) | LDA x0D | 0010 1101 |
| 05 | HLT | HLT | 1111 0000 |
| 06 | AC <- MEM(END14) | LDA x0E | 0010 1101 |
| 07 | HLT | HLT | 1111 0000 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | AC <- MEM(x0A) | LDA x0A | 0010 1010 |
|  | AC <- MEM(x0B)+AC | ADD x0B | 0011 1011 |
|  | IF Z=1 THEN PC <- x08 | JZ x08 | 1010 1000 |
|  | AC <- MEM(x0C) | LDA x0C | 0010 1100 |
|  | HLT | HLT | 1111 0000 |
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| --- | --- | --- | --- |
|  |  | LDA x1A | 001011010 x02 x1A |
|  |  | ADD x0B | 001111011 |
|  |  | HLT | 111100000 |
|  |  |  |  |
|  |  |  |  |

DADOS

|  |  |  |  |
| --- | --- | --- | --- |
| A | 9 | 0000 1001 | Nota |
| B | -9 (F7) | 1111 0111 |  |
| C | 1 | 0000 0001 |  |
|  |  |  |  |
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|  |  |  |  |

Complemento de dois de 7

00000111 -> 11111001

7 -> F9