| evel 2 Instruction Set | | | | | | | | |
|------------------------|-------------|----------------------------------------------------|-------------------------|--|--|--|--|--|
| Step | Instruction | Instruction | | | | | | |
| 0 | set | Write 0 in cell a | | | | | | |
| 1 | set | /rite 0 in cell b | | | | | | |
| 2 | set | Write 9 in cell c | | | | | | |
| 3 | set | Write 1 in cell d | | | | | | |
| 4 | set | Write 1 in cell e | | | | | | |
| 5 | set | Write 7 in cell f | | | | | | |
| 6 | set | Write 17 in cell g | | | | | | |
| 7 | plot | Draw pixel at column (cell a), row (cell b) | | | | | | |
| 8 | + | Add (cell a) and (cell d). Write result in cell a. | | | | | | |
| 9 | + | Add (cell b) and (cell e). Write result in cell b. | | | | | | |
| 10 | < | Compare cell b and cell c | | | | | | |
| 11 | jump | Compare cell h | | | | | | |
| 12 | jump | Compare cell i | | | | | | |
| 13 | set | Write 1 in cell i | | | | | | |
| 14 | set | Write -1 in cell b | | | | | | |
| 15 | set | Write -1 in cell d | | | | | | |
| 16 | jump | Compare cell i | | | | | | |
| | | If you get here, no more steps, then you are do | one! Check your answer! | | | | | |

| Memory Registers | | | | | | | | | | | | | | | | |
|------------------|---|----|---|---|----|---|---|----|---|---|---|---|---|---|---|---|
| а | b | | С | d | | е | f | g | h | i | j | k | I | m | n | р |
| 0 |) | 0 | 9 | 9 | 1 | 1 | 7 | 17 | | 1 | | | | | | |
| 1 | | 1 | | | | | | | | | | | | | | |
| | < | | | | | | | | | | | | | | | |
| | | -1 | | | -1 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
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| Monitor | | | | | | | | | | |
|---------|---|---|---|---|---|---|---|---|---|---|
| | а | b | С | d | е | f | g | h | i | j |
| | | | | | | | | | | |
| 0 | | | | | | | | | | |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| | | | | | | | | | | |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | | | | | | | | | |
| | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |