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| **High Level ?** | **Machine Level** | **CHUMP (Assembly) Level** | **Comment** |
| **Address** | **Instruction** |
| top: i = 2; | 0000 | **1000** 0010 | **READ** 2 | addr ← 2, pc++ |
| a = ram[i]; | 0001 | **0001** 0000 | **LOAD** IT | accum ← [2], pc++ |
| a++; | 0010 | **0010** 0001 | **ADD** 1 | accum ← accum+1, pc++ |
| ram[i] = a; | 0011 | **0110** 0010 | **STORETO** 2 | [2] ← accum, pc++ |
| ;repeat | 0100 | **1100** 0000 | **GOTO** top | pc ← top |