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| --- | --- | --- |
| Comment/Remark | HEX | Assembly Instruction |
| R1 will have the value 0xF | 7904 | ADDI R1,R0,0XF |
|  |  | FOR: |
| R2 will increment by 1 | 0a44 | ADDI R2,R2,0X1 |
| Stores value of R2 in first memory address | 0211 | SW R2,0(R0) |
| Branch if R2 not equal R1 (15) | f153 | BNE R2,R1,FOR |
|  |  | END: |
| Jumps to end endlessly | 0018 | J END |

“Short” instructions