The Opcodes are as follows:

0001 = Load AC from memory

0010 = Store AC to memory

0101 = Jump to Memory

0110= Mult to AC from memory

0111 = Halt

Memory:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 400 | 7 | 0 | 0 | 0 |
| 401 | 6 | 9 | 4 | 1 |
| 402 | 2 | 9 | 4 | 1 |
| 403 | 5 | 4 | 0 | 5 |
| 404 | 6 | 9 | 4 | 0 |
| 405 | 7 | 0 | 0 | 0 |

**.**

**.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 940 | 0 | 0 | 0 | 5 |
| 941 | 0 | 0 | 0 | 3 |

Show the register values for **PC**, **IR** and **AC.**