| Address | Label | Mnemonics | Hexcode | Bytes | M-Cycles | T-States |
|---------|-------|-----------------|-----------|-------|----------|----------|
| 0000 | | LDA 2500 | 3A | 3 | 4 | 13 |
| 0001 | | | 00 | | | |
| 0002 | | | 25 | | | |
| 0003 | | MVI C,08 | 0E | 2 | 2 | 7 |
| 0004 | | | 08 | | | |
| 0005 | | MVI B,00 | 06 | 2 | 2 | 7 |
| 0006 | | | 00 | | | |
| 0007 | LOOP | RLC | 07 | 1 | 1 | 4 |
| 8000 | | JC 000C | DA | 3 | 3 | 10 |
| 0009 | | | OC | | | |
| 000A | | | 00 | | | |
| 000B | | INR B | 04 | 1 | 1 | 4 |
| 000C | SKIP | DCR C | 0D | 1 | 1 | 4 |
| 000D | | JNZ 0007 | C2 | 3 | 3 | 10 |
| 000E | | | 07 | | | |
| 000F | | | 00 | | | |
| 0010 | | MOV A,B | 78 | 1 | 1 | 4 |
| 0011 | | STA 2610 | 32 | 3 | 4 | 13 |
| 0012 | | | 10 | | | |
| 0013 | | | 26 | | | |
| 0014 | | MVI A,08 | 3E | 2 | 2 | 7 |
| 0015 | | | 08 | | | |
| 0016 | | SUB B | 90 | 1 | 1 | 4 |
| 0017 | | STA 2511 | 32 | 3 | 4 | 13 |
| 0018 | | | 11 | | | |
| 0019 | | | 25 | | | |
| 001A | | HLT | 76 | 1 | 2 | 5 |