|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Ciclo** | **Reset** | **PC** | **Instrução (Montagem / Máquina)** | **SrcA** | **SrcB** | **Branch** | **AluResult** | **Flags3:0** | **CondEx** | **WriteData** | **MemWrite** | **ReadData** |
| 1 | 1 | 00000000 | E04F000F | 00000008 | 00000008 | 0 | 00000000 | 6 | 1 | 00000008 | 0 | xxxxxxxx |
| 2 | 0 | 00000004 | E2802005 | 00000000 | 00000005 | 0 | 00000005 | 0 | 1 | xxxxxxxx | 0 | xxxxxxxx |
| 3 | 0 | 00000008 | E280300C | 00000000 | 0000000c | 0 | 0000000c | 0 | 1 | xxxxxxxx | 0 | xxxxxxxx |
| 4 | 0 | 0000000c | E2437009 | 0000000c | 00000009 | 0 | 00000003 | 2 | 1 | xxxxxxxx | 0 | xxxxxxxx |
| 5 | 0 | 00000010 | E1874002 | 00000003 | 00000005 | 0 | 00000007 | 0 | 1 | 00000005 | 0 | xxxxxxxx |
| 6 | 0 | 00000014 | E0035004 | 0000000c | 00000007 | 0 | 00000004 | 0 | 1 | 00000007 | 0 | xxxxxxxx |
| 7 | 0 | 00000018 | E0855004 | 00000004 | 00000007 | 0 | 0000000b | 0 | 1 | 00000007 | 0 | xxxxxxxx |
| 8 | 0 | 0000001c | E0558007 | 0000000b | 00000003 | 0 | 00000008 | 2 | 1 | 00000003 | 0 | xxxxxxxx |
| 9 | 0 | 00000020 | 0A00000C | 00000028 | 00000030 | 1 | 00000058 | 0 | 0 | xxxxxxxx | 0 | xxxxxxxx |
| 10 | 0 | 00000024 | E0538004 | 0000000c | 00000007 | 0 | 00000005 | 2 | 1 | 00000007 | 0 | xxxxxxxx |
| 11 | 0 | 00000028 | AA000000 | 00000030 | 00000000 | 1 | 00000030 | 0 | 1 | 00000000 | 0 | xxxxxxxx |
| 12 | 0 | 00000030 | E0578002 | 00000003 | 00000005 | 0 | fffffffe | 8 | 1 | 00000005 | 0 | xxxxxxxx |
| 13 | 0 | 00000034 | B2857001 | 0000000b | 00000001 | 0 | 0000000c | 0 | 1 | xxxxxxxx | 0 | xxxxxxxx |
| 14 | 0 | 00000038 | E0477002 | 0000000c | 00000005 | 0 | 00000007 | 2 | 1 | 00000005 | 0 | xxxxxxxx |
| 15 | 0 | 0000003c | E5837054 | 0000000c | 00000054 | 0 | 00000060 | 0 | 1 | 00000007 | 1 | xxxxxxxx |
| 16 | 0 | 00000040 | E5902060 | 00000000 | 00000060 | 0 | 00000060 | 0 | 1 | 00000000 | 0 | 00000007 |
| 17 | 0 | 00000044 | E08FF000 | 0000004c | 00000000 | 0 | 0000004c | 0 | 1 | 00000000 | 0 | xxxxxxxx |
| 18 | 0 | 0000004c | EA000001 | 00000054 | 00000004 | 1 | 00000058 | 0 | 1 | xxxxxxxx | 0 | xxxxxxxx |
| 19 | 0 | 00000058 | E5802064 | 00000000 | 00000064 | 0 | 00000064 | 0 | 1 | 00000007 | 1 | xxxxxxxx |