| Signal | Values |
|---|---|
| Time | 100 ns, 200 ns, 300 ns, 400 ns |
| clk=1 | (clock) |
| reset=0 | |
| PC[31:0]=0000001C | xxx+ 00000000 00000004 00000008 0000000C 00000010 00000014 0000000C 00000010 00000014 0000000C 00000010 00000014 0000000C 00000010 00000014 0000000C 00000010 00000014 00000018 0000001C 00000020 |
| tDBtheReg[3:0]=2 | 2 |
| tDBtheRegVal[31:0]=0000000F | xxx+ 00000000 00000005 00000009 0000000C 0000000E 0000000F |
| A[31:0]=0000001C | xxx+ 00000000 00000004 00000008 0000000C 00000010 00000014 0000000C 00000010 00000014 0000000C 00000010 00000014 0000000C 00000010 00000014 0000000C 00000010 00000014 00000018 0000001C 00000020 |
| ALUOp=0 | |
| ALUControl[1:0]=00 | 00 10 11 00 01 00 01 00 01 00 01 00 01 00 01 00 |
| Instr[31:0]=E5935000 | xxx+ E2022000 E3823000 E3834005 E0822004 E2544001 1AFFFFFC E0822004 E2544001 1AFFFFFC E0822004 E2544001 1AFFFFFC E0822004 E2544001 1AFFFFFC E0822004 E2544001 1AFFFFFC E5832000 E5935000 EAFFFFFE |
| Cond[3:0]=E | x E 1 E 1 E 1 E 1 E 1 E 1 E 1 E |
| Op[1:0]=01 | xx 00 10 00 10 00 10 00 10 00 10 00 10 00 01 10 |
| Funct[5:0]=19 | xx 20 38 08 25 2F 08 25 2F 08 25 2F 08 25 2F 08 25 2F 18 19 2F |
| Flags[3:0]=4 | x 4 0 2 0 2 0 2 0 2 0 2 0 6 2 4 2 |
| ALUFlags[3:0]=4 | x 4 0 2 0 2 0 2 0 2 0 2 0 6 2 4 2 |
| RegW=1 | |
| RegWrite=1 | |
| theData[23:0]=935000 | xxx+ 022000 823000 834005 822004 544001 FFFFFC 822004 544001 FFFFFC 822004 544001 FFFFFC 822004 544001 FFFFFC 822004 544001 FFFFFC 832000 935000 FFFFFE |
| ExtImm[31:0]=00000000 | 00000000 00000005 00000004 00000001 FFFFFFF0 00000004 00000001 FFFFFFF0 00000004 00000001 FFFFFFF0 00000004 00000001 FFFFFFF0 00000004 00000001 FFFFFFF0 00000000 FFFFFFF8 |
| SrcA[31:0]=00000000 | xxx+ 00000000 00000005 0000001C 00000005 00000004 0000001C 00000009 00000003 0000001C 0000000C 00000002 0000001C 0000000E 00000001 0000001C 00000000 00000028 |
| SrcB[31:0]=00000000 | xxx+ 00000000 00000005 00000001 FFFFFFF0 00000004 00000001 FFFFFFF0 00000003 00000001 FFFFFFF0 00000002 00000001 FFFFFFF0 00000001 FFFFFFF0 00000000 FFFFFFF8 |
| ALUResult[31:0]=00000000 | xxx+ 00000000 00000005 00000004 0000000C 00000009 00000003 0000000C 00000002 0000000C 0000000E 00000001 0000000C 0000000F 00000000 0000000C 00000000 00000020 |
| A3[3:0]=5 | x 2 3 4 2 4 F 2 4 F 2 4 F 2 4 F 2 4 F 2 5 F |
| WE3=1 | |
| WD3[31:0]=0000000F | xxx+ 00000000 00000005 00000004 0000000C 00000009 00000003 0000000C 00000002 0000000C 0000000E 00000001 0000000C 0000000F 00000000 0000000C 00000000 0000000F 00000020 |
| WE=0 | |
| A[31:0]=00000000 | xxx+ 00000000 00000005 00000004 0000000C 00000009 00000003 0000000C 00000002 0000000C 0000000E 00000001 0000000C 0000000F 00000000 0000000C 00000000 00000020 |
| WD[31:0]=00000000 | xxx+ 00000000 00000005 00000000 00000004 00000000 00000003 00000000 00000002 00000000 00000001 00000000 0000000F 00000000 |
| RD[31:0]=0000000F | xxxxxxxx 0000000F |