Mips:

addi \$t0 \$zero 0x000B

addi \$t1 \$zero 0x0001

addi \$t2 \$zero 0x0000

addi \$t3 \$zero 0x0003

add \$t4 \$t1 \$t2

bne \$t0 \$t3 0x0001

j 0x00000E

add \$t2 \$t1 \$t4

addi \$t3 \$t3 0x0001

add \$t5 \$t2 \$zero

add \$t2 \$t1 \$zero

add \$t1 \$t4 \$zero

add \$t4 \$t5 \$zero

j 0x0000005

add \$t5 \$t4 \$zero

Machine code :
2008000B
20090001
200A0000
200B0003
012A6020
150B0001
080000E
012C5020
216B0001
01406820
01205020
01804820
01A06020
08000005
01806820

Result :

/datapath_tb/dut/PC2JumpN	32h06818080	32h06818080	32h0601a080	32h00000000	3211000000038		32h05ac0004	32h04814080	32h06818080	32h0601a080	32h00000000	132h00000038		32h00000000	32h04b14080	32h00000000	32h0xxxxxxX		
/datapath_tb/dut/PCCNBN	32h0000003c	32h0000003c	32h00000014	132h0000001c	32h00000038	32h00000024	32\n00000002c	32h00000034	32h0000003c	32h00000014	132h0000001c	32h00000038	32h00000018	32h00000020	32h00000038	I 32h00000040	I 32h00000048	32h00000050	32h0
/datapath_tb/dut/PCPredict1N	32hioooooox			32h0000001c							32h0000001c	3							
/datapath_tb/dut/PCPredict2N	32hxxxxxxxxx																		
etch Stage -	genia secondo de																		
/datapath_tb/dut/Prediction1F	1710				1							1							
/datapath_tb/dut/Prediction2F	1h0																		
/datapath_tb/dut/InstrIF	32h08000005	32/108000005		32h150b0001	32h012c5020		32h01406820	32h01804820	32h08000005	1	32h150b0001	32h012c5020		32h0800000e	32h216b0001	32h01806820	7		
/datapath_tb/dut/Instr2F	32h01806820	32h01806820		32h0800000e	32h216b0001		32h01205020	32h01a06020	32h01806820		32h0800000e	132h216b0001		[32h012c5020	32h01406820				
/datapath_tb/dut/PC1F	32h00000034	32h00000034	32h0000003c	32h00000014	32h0000001c		32h00000024	32h0000002c	3211000000034	32h0000003k	32h00000014	132h0000001c		32h00000018	32h00000020	32h00000038	32h00000040	32h00000048	F74
		_																	
/datapath_tb/dut/Instr ID	32h01804820	32h01804820	32'h08000005	132h00000000	32h150b0001	132h00000000	32h012c5020	32h01406820	32h01804820	32h03000005	32h00000000	132h150b0001	132h00000000)	32h0800000e	32h00000000	32h01806820	1	
/datapath_tb/dut/linstr20	32h01a06020	32h01a06020	32h01806820	I 32h00000000	32h0800000e		32h216b0001	32h01205020	32h01a06020	32h01806820	32h00000000	132h0800000e		32h00000000	32h012c5020	32h00000000			
xecute Stage		_																	
/datapath_tb/dut/ForwardA1E	3h2	3h2	3h0						3h2	13h0									
/datapath tb/dut/ForwardAZE	3ho	3h0	3h2	Isho						13h2	3'h0								
/datapath_tb/dut/ForwardB1E	3h0	3ho																	
/datapath_tb/dut/ForwardBZE	31h0	3h0																	
/datapath tb/dut/ALUOut1E	32900000022	3211000000022	32h00000015	I 32h00000000		132h00000001		32h00000037		329000000022	32000000000							I 32h00000037	
/datapath_tb/dut/ALUOut2E	32h000000d	32/1000000000						32h00000000b	32h00000015	32h00000037	37h00000000							1	
/datapath tb/dut/SrcAIE	32h00000022	3211000000022				32h0000000b	32h00000000						32h0000000b	32500000000				32h00000037	
/detapath_tb/dut/SrcAZE	32'h0000000d	3211000000000	32h00000022	132h00000000				32h0000000a	32h00000015	32h00000037	32400000000								
/datapath_tb/dut/SrdB1E	32h00000000	32h00000000				132h0000000a	32h00000000	32h00000022	32h00000000				132h0000000b	132h00000000					
/datapath_tb/dut/Srd82E	32500000000	3211000000000						32h00000001	3211000000000										
/datapath_tb/dut/WriteData1E	32h00000000	32/1000000000				32h00000000a	32h00000000						32h0000000b	132h00000000				1	
/datapath_tb/dut/WriteData2E	32h00000000	3211000000000						32h0000000a										1	
lemory Stage	The second second																	1	
/datapath_tb/dut/ALUOutIM	32h00000022	32h00000022		32h00000015	32h00000000		32h00000001		32h00000037		32h00000022	32100000000							320
/detepath tb/dut/ALUQut2M	32h0000000a	32700000000A										327000000000							
/datapath_tb/dut/ReadData1M	329uccoccocc																		
/datapath_tb/dut/ReadData2M	32 ^h 00000000																		
/datapath_tb/dut/WriteData1M	32h00000015	32/100000015	32h00000000			_	32h0000000a	32h00000000	32h00000022	32500000000		_	_						
/datapath_tb/dut/WriteData2M	32500000009	327000000009							32h0000000a										
Witeback Stage	100000000000000000000000000000000000000																		
/datapath_tb/dut/WriteReg1W	51H00	5h00	5h0a	I Shod	15h09	15h00		5h0b	5h00	I 5'h0a	I 5'h0d	15h09	15h00		_		_		
/datapath_tb/dut/WriteRegZW	51400				I 5h0c	I 5'h00					I 5h0a	15h0c	157h00						
/datapath_tb/dut/ALUQut1W	32500000002	32/1000000002				3271000000000		32h00000001		32h00000037			32h00000000	1					
/detapath_tb/dut/ALUQut2W	32h00000000	32/1000000000						24.111111111					32h00000000						
/datapath_tb/dut/ReadData1W	32hx0xxxxxx																		
/datapath_tb/dut/ReadDataZW	327trooccoox																		
/datapath_tb/dut/Result1W	32'd2	32'd2	3Zd34		3Zd21	3Z'd0		3Zd1		32d55		132'd34	132'd0						
/datapath_tb/dut/Result2W	32%00000000			32h0000000d							200 444444		32h00000000						