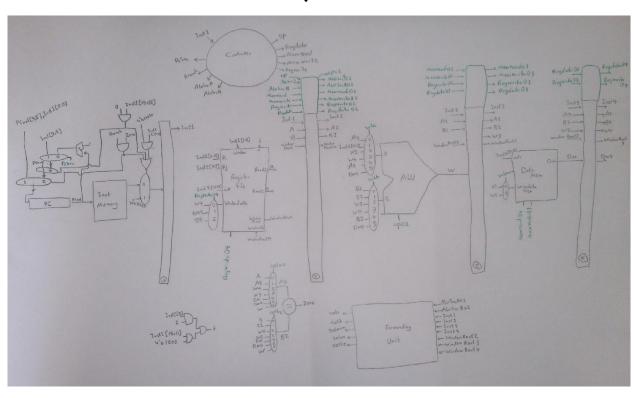
واحد كنترل

Instructions	AluSrcA	AlusrcB	RegSrc1	RegSrc2	PcSrc	RegData	ор	MemRead	MemWrite	Regwrite	Branch
Load	0	0	0	0	0	1	0	1	0	1	0
Store	0	0	0	0	0	0	0	0	1	0	0
Jump	0	0	0	0	1	0	0	0	0	0	0
BranchZ	0	0	0	0	0	0	0	0	0	0	1
Move	0	0	0	0	0	2	0	0	0	1	0
Add	0	0	0	0	0	0	1	0	0	1	0
Sub	0	0	0	0	0	0	2	0	0	1	0
And	0	0	0	0	0	0	3	0	0	1	0
Or	0	0	0	0	0	0	4	0	0	1	0
Not	0	0	0	0	0	0	5	0	0	1	0
Nop	0	0	0	0	0	0	0	0	0	0	0
Wnd0	0	0	0	0	0	0	0	0	0	0	0
Wnd1	0	0	0	0	0	0	0	0	0	0	0
Wnd2	0	0	0	0	0	0	0	0	0	0	0
Wnd3	0	0	0	0	0	0	0	0	0	0	0
Addi	1	0	0	0	0	0	1	0	0	1	0
Subi	1	0	0	0	0	0	2	0	0	1	0
Andi	1	0	0	0	0	0	3	0	0	1	0
Ori	1	0	0	0	0	0	4	0	0	1	0

مسیر داده پردازنده



دستورات تست پردازنده

شماره	دستور اسمبلى	کد باینری دستور	کد هگز دستور		
0	Store R1,Mem[1]	0001010000000001	1401		
1	Load R2,Mem[1]	0000100000000001	0801		
2	Add R3,R2	1000111000000010	8E02		
3	Nop	100000001000000	8040		
4	Nop	100000001000000	8040		
5	Load R1,Mem[0]	0000010000000000	0400		
6	Addi R2,14	1100101000001110	CA0E		
7	Window1	100000010000001	8081		
8	Add R3,R2	100001000000010	8402		
9	Load R5,Mem[1]	0000110000000001	0C01		
10	Window3	100000010000011	8083		
11	Addi R7,123	1100010101111011	C57B		
12	Store MEM[25],R7	0001010000011001	1419		
13	Mov R6,R7	10000010000010	8102		
14	BRZ R6,R7 18	0100000100010010	4112		
15	SUB R7,R7	1000010100000100	8504		
16	SUB R6,R6	100000000000100	8004		
17	Window0	100000010000000	8080		
18	Window2	100000010000010	8082		
19	Addi R4,10	110000000001010	C00A		
20	Andi R4,13	111000000001101	E005		
21	Jump 10	001000000001010	200A		