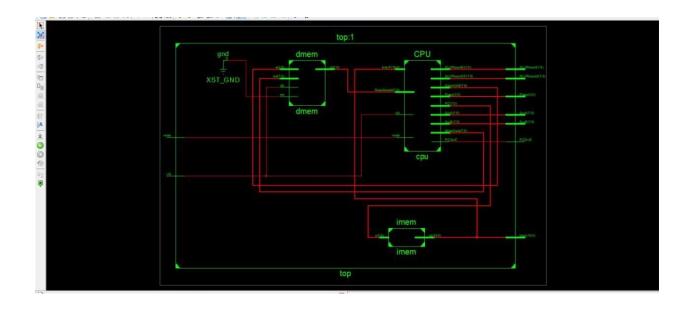
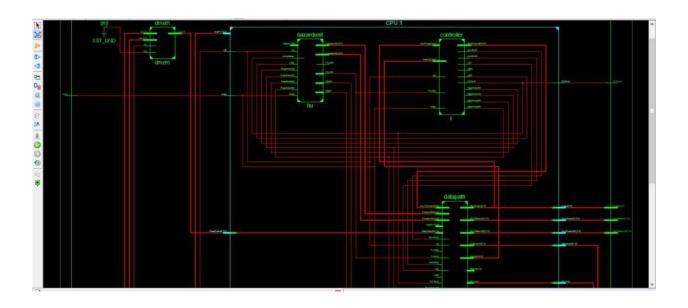
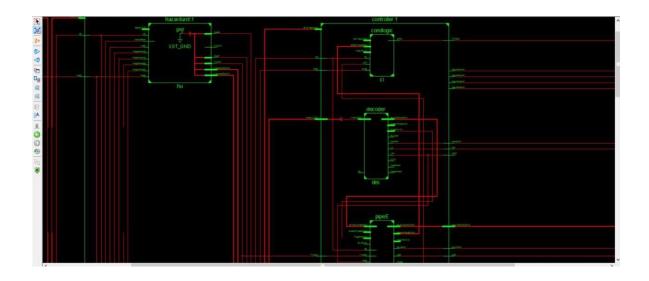
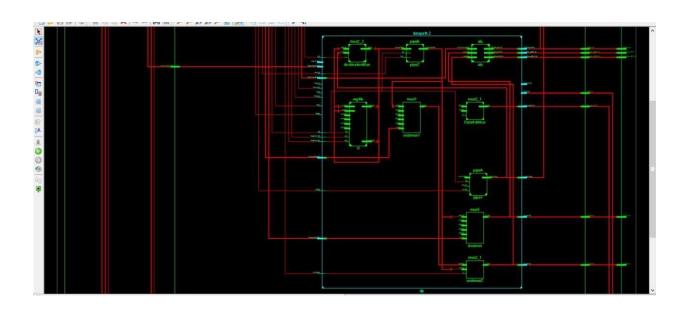
آزمایش شماره 5 (Pipeline) گروه 2 درین رستمی و پارسا فدایی خدمت آزمایشگاه 4 شنیه ساعت 1:30

# RTL:

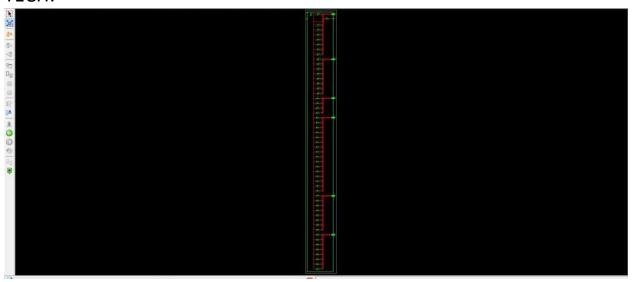


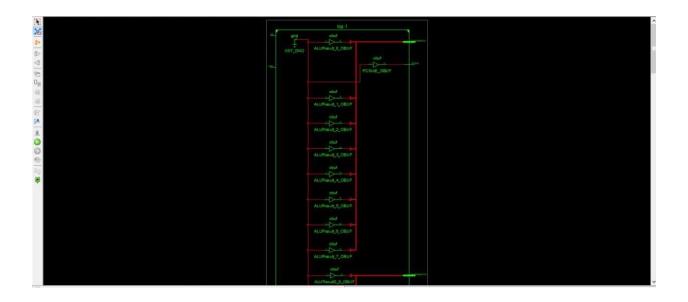






# TECH:





# MEMFILE:

1. LI R1, 1	1011000100000001
2. LI R2, 1	1011001000000001
3. SAL R1, 2	0000001011001010
4. ADD R1, R2	000000001001010
5. XCHG R1, R2	0000000111001010

# The stages of each instruction in memfile

	Cycle 1	Cycle 2	Cycle 3	Cycle 4	Cycle 5	Cycle 6	Cycle 7	Cycle 8	Cycle 9
		_							
LI R1, 1	F	D	E	M	W				
LI R2, 1		F	D	Е	M	W			
SAL R1, 2			F	D	Е	М	W		
ADD R1,				F	D	Е	М	W	
R2									
XCHG R1,					F	D	E	М	W
R2									

## Wave

