

C:/my\_designs/Pipeline\_Test/Pipeline/src/Pipeline.asdb C:/my\_designs/Pipeline\_Test/Pipeline/src/Pipeline.awc

[illegible]

C:/my\_designs/Pipeline\_Test/Pipeline/src/Pipeline.asdb C:/my\_designs/Pipeline\_Test/Pipeline/src/Pipeline.awc

Signal name		Value																
			64	72	80	88	96	104	112	ns								
<div><div><div></div><div></div><div></div></div></div> Instruction_I..	00	<div><div>03</div><div>X</div><div>04</div><div>X</div><div>05</div></div>																
<div><div><div></div><div></div><div></div></div></div> Instruction_...	000...	<div><div>0000000</div><div>X</div><div>0000041</div></div>																
<div><div><div></div><div></div><div></div></div></div> CLK	0	<div><div></div><div></div><div></div><div></div><div></div></div>																
<div><div><div></div><div></div><div></div></div></div> Instruction_i..	UUU...	<div><div>0000000</div><div>X</div><div>0000041</div></div>																
<div><div><div></div><div></div><div></div></div></div> Instruction_i..	UUU...	<div><div>0000000</div></div>																
<div><div><div></div><div></div><div></div></div></div> ALU_Output	UUU...	<div><div>bbbbbbbbbbbbbbbbbbbbbbbbbbbbbb0000</div></div>																
<div><div><div></div><div></div><div></div></div></div> Data_inWB	UUU...	<div><div>X</div><div>bbbbbbbbbbbbbbbbbbbbbbbbbbbbbb0000</div></div>																
<div><div><div></div><div></div><div></div></div></div> ALUop_inID	UU	<div><div>00</div></div>																
<div><div><div></div><div></div><div></div></div></div> ALUop_inEX	UU	<div><div>00</div></div>																
<div><div><div></div><div></div><div></div></div></div> Input_rs3	UUU...	<div><div>000000000000000000000000000000</div><div>X</div><div>bbbbbbbbbbbbbbbbbbbbbbbbbbbbbb</div><div>X</div></div>																
<div><div><div></div><div></div><div></div></div></div> Input_rs2	UUU...	<div><div>000000000000000000000000000000</div><div>X</div><div>bbbbbbbbbbbbbbbbbbbbbbbbbbbbbb</div><div>X</div></div>																
<div><div><div></div><div></div><div></div></div></div> Input_rs1	UUU...	<div><div>000000000000000000000000000000</div><div>X</div><div>bbbbbbbbbbbbbbbbbbbbbbbbbbbbbb</div><div>X</div></div>																
<div><div><div></div><div></div><div></div></div></div> W_En_inWB	U																	
<div><div><div></div><div></div><div></div></div></div> Forward_Mu..	0	<div><div></div><div></div></div>																
<div><div><div></div><div></div><div></div></div></div> Forward_Mu..	0	<div><div></div><div></div></div>																
<div><div><div></div><div></div><div></div></div></div> Forward_Mu..	0	<div><div></div><div></div></div>																

Cursor 1

Signal name	Value	128	136	144	152	160	168	176	ns
<div><div></div><div></div><div></div></div> Instruction_I..	00	06	X	07	X	08			
<div><div></div><div></div><div></div></div> Instruction_...	000...	0000082	X	00000C3	X	1018824			
<div><div></div><div></div><div></div></div> CLK	0								
<div><div></div><div></div><div></div></div> Instruction_i..	UUU...	0000041	X	0000082	X	00000C3	X	1018824	
<div><div></div><div></div><div></div></div> Instruction_i..	UUU...	0000000	X	0000041	X	0000082	X	00000C3	
<div><div></div><div></div><div></div></div> ALU_Output	UUU...	00000000000000000000000000000000	X	00000000000000000000000000000002	X				
<div><div></div><div></div><div></div></div> Data_inWB	UUU...	00000000000000000000000000000000	X						
<div><div></div><div></div><div></div></div> ALUop_inID	UU			00					
<div><div></div><div></div><div></div></div> ALUop_inEX	UU			00					
<div><div></div><div></div><div></div></div> Input_rs3	UUU...	00000000000000000000000000000000							
<div><div></div><div></div><div></div></div> Input_rs2	UUU...	00000000000000000000000000000000							
<div><div></div><div></div><div></div></div> Input_rs1	UUU...	00000000000000000000000000000000	X						
<div><div></div><div></div><div></div></div> W_En_inWB	U								
<div><div></div><div></div><div></div></div> Forward_Mu..	0								
<div><div></div><div></div><div></div></div> Forward_Mu..	0								
<div><div></div><div></div><div></div></div> Forward_Mu..	0								

Signal name	Value	184	192	200	208	216	224	232	ns
<div><div></div><div></div><div></div></div> Instruction_I...	00	09	X	0A	X	0B			
<div><div></div><div></div><div></div></div> Instruction_...	000...	1218826	X	0200082	X	02000C3			
<div><div></div><div></div><div></div></div> CLK	0								
<div><div></div><div></div><div></div></div> Instruction_i...	UUU...	1018824	X	1218826	X	0200082	X	02000C3	
<div><div></div><div></div><div></div></div> Instruction_i...	UUU...	00000C3	X	1018824	X	1218826	X	0200082	
<div><div></div><div></div><div></div></div> ALU_Output	UUU...		X	00000000000000000000000000000006	X	XXXXXXXXXXXXXXXXXXXXXXXXXXXX00000000	X		
<div><div></div><div></div><div></div></div> Data_inWB	UUU...		X	000000000000000000000000000000004	X	000000000000000000000000000000006	X		
<div><div></div><div></div><div></div></div> ALUop_inID	UU	00	X	03	X	43	X	40	
<div><div></div><div></div><div></div></div> ALUop_inEX	UU		00		X	03	X	43	
<div><div></div><div></div><div></div></div> Input_rs3	UUU...			00000000000000000000000000000000			X		
<div><div></div><div></div><div></div></div> Input_rs2	UUU...			00000000000000000000000000000000			X		
<div><div></div><div></div><div></div></div> Input_rs1	UUU...			00000000000000000000000000000000					
<div><div></div><div></div><div></div></div> W_En_inWB	U								
<div><div></div><div></div><div></div></div> Forward_Mu..	0								
<div><div></div><div></div><div></div></div> Forward_Mu..	0								
<div><div></div><div></div><div></div></div> Forward_Mu..	0								

Signal name	Value	248	256	264	272	280	288	296	ns
<div><div><div></div><div></div><div></div></div><div>Instruction_I..</div></div>	00	0C		0D		0E			
<div><div><div></div><div></div><div></div></div><div>Instruction_...</div></div>	000...	1118825		1318824		1418826			
<div><div><div></div><div></div><div></div></div><div>CLK</div></div>	0								
<div><div><div></div><div></div><div></div></div><div>Instruction_i..</div></div>	UUU...	02000C3	1118825		1318824		1418826		
<div><div><div></div><div></div><div></div></div><div>Instruction_i..</div></div>	UUU...	0200082	02000C3		1118825		1318824		
<div><div><div></div><div></div><div></div></div><div>ALU_Output</div></div>	UUU...			00000000000000000000000000040000		00000000000000000000000000060000			
<div><div><div></div><div></div><div></div></div><div>Data_inWB</div></div>	UUU...			7FFFFFFF7FFFFFFF7FFFFFFF00000000		00000000000000000000000000040000			
<div><div><div></div><div></div><div></div></div><div>ALUop_inID</div></div>	UU	40		23		63			
<div><div><div></div><div></div><div></div></div><div>ALUop_inEX</div></div>	UU	43	40		23				
<div><div><div></div><div></div><div></div></div><div>Input_rs3</div></div>	UUU...			000000000000000000000000000006		UUUUUUUUUUUUUUUUUUUUUUUUUUUU0000			
<div><div><div></div><div></div><div></div></div><div>Input_rs2</div></div>	UUU...	000000000000000000000000000004		UUUUUUUUUUUUUUUUUUUUUUUUUUUU0000					
<div><div><div></div><div></div><div></div></div><div>Input_rs1</div></div>	UUU...			UUUUUUUUUUUUUUUUUUUUUUUUUUUU0002		XXXXXXXXXXXXXXXXXXXX00000000			
<div><div><div></div><div></div><div></div></div><div>W_En_inWB</div></div>	U								
<div><div><div></div><div></div><div></div></div><div>Forward_Mu..</div></div>	0								
<div><div><div></div><div></div><div></div></div><div>Forward_Mu..</div></div>	0								
<div><div><div></div><div></div><div></div></div><div>Forward_Mu..</div></div>	0								

C:/my\_designs/Pipeline\_Test/Pipeline/src/Pipeline.asdb C:/my\_designs/Pipeline\_Test/Pipeline/src/Pipeline.awc

Signal name		Value	ns																											
			304				312				320				328				336				344				352			
<div><div></div><div></div><div></div></div> Instruction_I..	00	0F								10								11												
<div><div></div><div></div><div></div></div> Instruction_...	000...	1618825								1518826								1718824												
<div><div></div><div></div><div></div></div> CLK	0																													
<div><div></div><div></div><div></div></div> Instruction_i..	UUU...	1418826				1618825				1518826				1718824																
<div><div></div><div></div><div></div></div> Instruction_i..	UUU...	1318824				1418826				1618825				1518826																
<div><div></div><div></div><div></div></div> ALU_Output	UUU...	7FFFFFFF7FFFFFFF7FFFFFFF7FFFFFFF								XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX																				
<div><div></div><div></div><div></div></div> Data_inWB	UUU...	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX								7FFFFFFF7FFFFFFF7FFFFFFF7FFFFFFF																				
<div><div></div><div></div><div></div></div> ALUOp_inID	UU	63				83				C3				A3																
<div><div></div><div></div><div></div></div> ALUOp_inEX	UU	23				63				83				C3																
<div><div></div><div></div><div></div></div> Input_rs3	UUU...	00000000000000000000000000000006								00000000000000000000000000000000																				
<div><div></div><div></div><div></div></div> Input_rs2	UUU...	0000000000000000000000000000040000																												
<div><div></div><div></div><div></div></div> Input_rs1	UUU...	00000000000000000000000000000000								UUUUUUUUUUUUUUUUUUUUUUUUUUUUUU0002																				
<div><div></div><div></div><div></div></div> W_En_inWB	U																													
<div><div></div><div></div><div></div></div> Forward_Mu..	0																													
<div><div></div><div></div><div></div></div> Forward_Mu..	0																													
<div><div></div><div></div><div></div></div> Forward_Mu..	0																													

Cursor 1

















Signal name	Value	368	376	384	392	400	408	416	ns
<div><div></div><div></div><div></div></div> Instruction_I...	00	12	X	13	X	14			
<div><div></div><div></div><div></div></div> Instruction_...	000...	1808825	X	1810826	X	1818827			
<div><div></div><div></div><div></div></div> CLK	0								
<div><div></div><div></div><div></div></div> Instruction_i...	UUU...	1718824	X	1808825	X	1810826	X	1818827	
<div><div></div><div></div><div></div></div> Instruction_i...	UUU...	1518826	X	1718824	X	1808825	X	1810826	
<div><div></div><div></div><div></div></div> ALU_Output	UUU...		X	XXXXXXXXXXXXXXXXXXXXXXXXXXXX	X	7FFFFFFFFFFFFFFF7FFFFFFFFFFFFFFF	X		
<div><div></div><div></div><div></div></div> Data_inWB	UUU...		X	7FFFFFFFFFFFFFFF7FFFFFFFFFFFFFFF	X	XXXXXXXXXXXXXXXXXXXXXXXXXXXX	X		
<div><div></div><div></div><div></div></div> ALUop_inID	UU	A3	X	E3	X	01	X	02	
<div><div></div><div></div><div></div></div> ALUop_inEX	UU	C3	X	A3	X	E3	X	01	
<div><div></div><div></div><div></div></div> Input_rs3	UUU...			000000000000000000000000060000					
<div><div></div><div></div><div></div></div> Input_rs2	UUU...			000000000000000000000000040000					
<div><div></div><div></div><div></div></div> Input_rs1	UUU...			000000000000000000000000000002					
<div><div></div><div></div><div></div></div> W_En_inWB	U								
<div><div></div><div></div><div></div></div> Forward_Mu...	0								
<div><div></div><div></div><div></div></div> Forward_Mu...	0								
<div><div></div><div></div><div></div></div> Forward_Mu...	0								

Signal name		Value	ns															
<div><div></div><div></div><div></div></div> <div>Instruction_I..</div>	00	<div><div>15</div><div>16</div><div>17</div></div>																
<div><div></div><div></div><div></div></div> <div>Instruction_...</div>	000...	<div><div>1820828</div><div>1828049</div><div>183004A</div></div>																
<div><div></div><div></div><div></div></div> <div>CLK</div>	0																	
<div><div></div><div></div><div></div></div> <div>Instruction_i..</div>	UUU...	<div><div>1818827</div><div>1820828</div><div>1828049</div><div>183004A</div></div>																
<div><div></div><div></div><div></div></div> <div>Instruction_i..</div>	UUU...	<div><div>1810826</div><div>1818827</div><div>1820828</div><div>1828049</div></div>																
<div><div></div><div></div><div></div></div> <div>ALU_Output</div>	UUU...	<div><div></div><div>XXXXXXXXXXXXXXXXXXXXXXXXXXXX0000</div></div>																
<div><div></div><div></div><div></div></div> <div>Data_inWB</div>	UUU...	<div><div></div><div>XXXXXXXXXXXXXXXXXXXXXXXXXXXX</div><div>XXXXXXXXXXXXXXXXXXXXXXXXXXXX0000</div></div>																
<div><div></div><div></div><div></div></div> <div>ALUop_inID</div>	UU	<div><div>02</div><div>03</div><div>04</div><div>05</div></div>																
<div><div></div><div></div><div></div></div> <div>ALUop_inEX</div>	UU	<div><div>01</div><div>02</div><div>03</div><div>04</div></div>																
<div><div></div><div></div><div></div></div> <div>Input_rs3</div>	UUU...	<div><div></div><div>UUUUUUUUUUUUUUUUUUUUUUUUUU0002</div><div>00000000000000000000000040000</div></div>																
<div><div></div><div></div><div></div></div> <div>Input_rs2</div>	UUU...	<div><div>00000000000000000000000040000</div></div>																
<div><div></div><div></div><div></div></div> <div>Input_rs1</div>	UUU...	<div><div>UUUUUUUUUUUUUUUUUUUUUUUUUU0002</div></div>																
<div><div></div><div></div><div></div></div> <div>W_En_inWB</div>	U																	
<div><div></div><div></div><div></div></div> <div>Forward_Mu..</div>	0																	
<div><div></div><div></div><div></div></div> <div>Forward_Mu..</div>	0																	
<div><div></div><div></div><div></div></div> <div>Forward_Mu..</div>	0																	



Signal name	Value	488	496	504	512	520	528	536	ns
Instruction_I..	00	18	X	19	X	1A			
Instruction_...	000...	183882B	X	184082C	X	01FFFC1			
CLK	0								
Instruction_i..	UUU...	183004A	X	183882B	X	184082C	X	01FFFC1	
Instruction_i..	UUU...	1828049	X	183004A	X	183882B	X	184082C	
ALU_Output	UUU...	00000000000000000000000000000000	X	00000020000000020000000200000020	X				
Data_inWB	UUU...		X	00000000000000000000000000000000	X				
ALUop_inID	UU	05	X	06	X	07	X	08	
ALUop_inEX	UU	04	X	05	X	06	X	07	
Input_rs3	UUU...		X	7FFFFFFFFFFFFFFF7FFFFFFFFFFFFFFF	X	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			
Input_rs2	UUU...	000000000000000000000000000040000	X	00000000000000000000000000000000	X	00000000000000000000000000000000			
Input_rs1	UUU...	00000000000000000000000000000002	X	00000000000000000000000000000000	X	00000000000000000000000000000000			
W_En_inWB	U								
Forward_Mu..	0								
Forward_Mu..	0								
Forward_Mu..	0								

Signal name	Value	ns																			
<div><div></div><div>Instruction_I..</div></div>	00	1B				1C				1D											
<div><div></div><div>Instruction_...</div></div>	000...	184882D				0000041				185882E											
<div><div></div><div>CLK</div></div>	0																				
<div><div></div><div>Instruction_i..</div></div>	UUU...	01FFFC1				184882D				0000041				185882E							
<div><div></div><div>Instruction_i..</div></div>	UUU...	184082C				01FFFC1				184882D				0000041							
<div><div></div><div>ALU_Output</div></div>	UUU...					XXXXXXXXXXXXXXXXXXXXXXXX00000000				000000000000000000000000FFFE											
<div><div></div><div>Data_inWB</div></div>	UUU...					XXXXXXXXXXXXXXXXXXXXXXXX0000				XXXXXXXXXXXXXXXXXXXXXXXX00000000											
<div><div></div><div>ALUop_inID</div></div>	UU	08				3F				09				00							
<div><div></div><div>ALUop_inEX</div></div>	UU	07				08				3F				09							
<div><div></div><div>Input_rs3</div></div>	UUU...					00000000000000000000000000000000															
<div><div></div><div>Input_rs2</div></div>	UUU...					000000000000000000000000040000															
<div><div></div><div>Input_rs1</div></div>	UUU...					UUUUUUUUUUUUUUUUUUUUUUUUUUUU0002															
<div><div></div><div>W_En_inWB</div></div>	U																				
<div><div></div><div>Forward_Mu..</div></div>	0																				
<div><div></div><div>Forward_Mu..</div></div>	0																				
<div><div></div><div>Forward_Mu..</div></div>	0																				

Signal name		Value	608		616		624		632		640		648		656		ns
<div><div></div><div></div><div></div></div> <div>⊕  Instruction_I..</div>	00	<div><div>1E</div><div>X</div><div>1F</div><div>X</div><div>20</div></div>															
<div><div></div><div></div><div></div></div> <div>⊕  Instruction_...</div>	000...	<div><div>186004F</div><div>X</div><div>1868830</div><div>X</div><div>1870451</div></div>															
<div><div></div><div></div><div></div></div> <div> CLK</div>	0	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>															
<div><div></div><div></div><div></div></div> <div>⊕  Instruction_i..</div>	UUU...	<div><div>185882E</div><div>X</div><div>186004F</div><div>X</div><div>1868830</div><div>X</div><div>1870451</div></div>															
<div><div></div><div></div><div></div></div> <div>⊕  Instruction_i..</div>	UUU...	<div><div>0000041</div><div>X</div><div>185882E</div><div>X</div><div>186004F</div><div>X</div><div>1868830</div></div>															
<div><div></div><div></div><div></div></div> <div>⊕  ALU_Output</div>	UUU...	<div><div></div><div>X</div><div>00000000000000000000000000000002</div><div>X</div><div>UUUUUUUUUUUUUUUUUUUUUUUUUUUUUU0000</div><div>X</div></div>															
<div><div></div><div></div><div></div></div> <div>⊕  Data_inWB</div>	UUU...	<div><div></div><div>X</div><div>00000000000000000000000000000000</div><div>X</div><div>00000000000000000000000000000002</div><div>X</div></div>															
<div><div></div><div></div><div></div></div> <div>⊕  ALUop_inID</div>	UU	<div><div>00</div><div>X</div><div>0B</div><div>X</div><div>0C</div><div>X</div><div>0D</div></div>															
<div><div></div><div></div><div></div></div> <div>⊕  ALUop_inEX</div>	UU	<div><div>09</div><div>X</div><div>00</div><div>X</div><div>0B</div><div>X</div><div>0C</div></div>															
<div><div></div><div></div><div></div></div> <div>⊕  Input_rs3</div>	UUU...	<div><div>00000000000000000000000000000000</div><div>X</div><div>UUUUUUUUUUUUUUUUUUUUUUUUUUUUUU0000</div><div>X</div></div>															
<div><div></div><div></div><div></div></div> <div>⊕  Input_rs2</div>	UUU...	<div><div></div><div>X</div><div>000000000000000000000000000040000</div><div>X</div><div>UUUUUUUUUUUUUUUUUUUUUUUUUUUUUU0000</div><div>X</div></div>															
<div><div></div><div></div><div></div></div> <div>⊕  Input_rs1</div>	UUU...	<div><div>00000000000000000000000000000000</div><div>X</div><div>000000000000000000000000000040000</div><div>X</div></div>															
<div><div></div><div></div><div></div></div> <div> W_En_inWB</div>	U																
<div><div></div><div></div><div></div></div> <div> Forward_Mu..</div>	0																
<div><div></div><div></div><div></div></div> <div> Forward_Mu..</div>	0																
<div><div></div><div></div><div></div></div> <div> Forward_Mu..</div>	0																

Signal name	Value	664	672	680	688	696	704	712	ns
<div><div></div><div></div><div></div></div> Instruction_I...	00	21	X	22	X	23			
<div><div></div><div></div><div></div></div> Instruction_...	000...	1878832	X	1880833	X	1888834			
<div><div></div><div></div><div></div></div> CLK	0								
<div><div></div><div></div><div></div></div> Instruction_i...	UUU...	1870451	X	1878832	X	1880833	X	1888834	
<div><div></div><div></div><div></div></div> Instruction_i...	UUU...	1868830	X	1870451	X	1878832	X	1880833	
<div><div></div><div></div><div></div></div> ALU_Output	UUU...	00000000000000000000000000000000							
<div><div></div><div></div><div></div></div> Data_inWB	UUU...	00000000000000000000000000000000							
<div><div></div><div></div><div></div></div> ALUop_inID	UU	0D	X	0E	X	0F	X	10	
<div><div></div><div></div><div></div></div> ALUop_inEX	UU	0C	X	0D	X	0E	X	0F	
<div><div></div><div></div><div></div></div> Input_rs3	UUU...	X	XXXXXXXXXXXXXXXXXXXXXXXX00000000			X	00000000000000000000000000000000		
<div><div></div><div></div><div></div></div> Input_rs2	UUU...	X	UUUUUUUUUUUUUUUUUUUUUUUUUUUU0000			X	000000000000000000000000000040000		
<div><div></div><div></div><div></div></div> Input_rs1	UUU...	X	000000000000000000000000000040000			X	00000000000000000000000000000002		
<div><div></div><div></div><div></div></div> W_En_inWB	U								
<div><div></div><div></div><div></div></div> Forward_Mu..	0								
<div><div></div><div></div><div></div></div> Forward_Mu..	0								
<div><div></div><div></div><div></div></div> Forward_Mu..	0								

Signal name	Value	728	736	744	752	760	768	776	ns
Instruction_l..	00	24				25			
Instruction_...	000...	1890835				1898836			
CLK	0								
Instruction_i..	UUU...	1888834		1890835		1898836			
Instruction_i..	UUU...	1880833		1888834		1890835			
ALU_Output	UUU...		XXXXXXXXXXXXXXXXXXXXXXXXXXXX0000		XXXXXXXXXXXXXXXXXXXXXXXXXXXX				
Data_inWB	UUU...	00000000000000000000000000000000		XXXXXXXXXXXXXXXXXXXXXXXXXXXX0000					
ALUop_inID	UU	10		11		12			
ALUop_inEX	UU	0F		10		11			
Input_rs3	UUU...					00000000000000000000000000000000			
Input_rs2	UUU...					000000000000000000000000000040000			
Input_rs1	UUU...					00000000000000000000000000000002			
W_En_inWB	U								
Forward_Mu..	0								
Forward_Mu..	0								
Forward_Mu..	0								