Signals————	Waves							
Time	10	sec 20	sec	30	sec 40	sec 50	sec 60	sec
clk=0								
q[31:0] =16	Θ	8	16		20	24	32	40
q[31:0] =16	0	8	16	ι	20	24	32	40
fetchinstr=1	8	8	4					
instr0[31:0] =4080050	xxxxxxxx	4080028	40800		1800818A	40800504	1800818A	1801050A
instr1[31:0] =4080050	XXXXXXXX	40800282	40800503		40800504	1800818A	40800105	XXXXXXXX
rt_0[6:0] =2	XXX		2		3	10	4	10
i16 0[15:0] =5	XXX		5		10			
rt_1[6:0] =2	XXX		2		3	4	10	5
i16_1[15:0] =5	XXX		5		10			2
rt 0[6:0] =02	xx		02		03	0A	04	ΘA
ra 0[6:0] =xx	xx					02		
rb 0[6:0] =xx	xx					03		
a[127:0] =xxxxxxx	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	OXXXXXXXXXX				000000000000000000000000000000000000000	000000000005	
b[127:0] =xxxxxxx	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	OXXXXXXXXXX				000000000000000000000000000000000000000	00000000000A	
rd00[127:0] =xxxxxxx	xxxxxxxxxxxxxxxxxx	xxxxxxxxxx				000000000000000000000000000000000000000	000000000005	
rd01[127:0] =xxxxxxx	xxxxxxxxxxxxxxxxxx	XXXXXXXXXXX				000000000000000000000000000000000000000	00000000000A	
s =0								
result[127:0] =xxxxxxx	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	OXXXXXXXXXXX				000000000000000000000000000000000000000	0000000000F	
ore_rt_even[6:0] =xx	xx				02	03	0A	04
struc_hazard=1								
even_or_odd_0=1								
even_or_odd_1=1								
newop0[10:0] =0100000	xxxxxxxxxx		01000000100					
newop1[10:0] =0100000	xxxxxxxxxx		01000000100				00011000000	01000000100
ep_result[127:0] =xxxxxxx	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	OXXXXXXXXXXX				000000000000000000000000000000000000000	0000000000F	
p_result[127:0] =xxxxxxx	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	OCCOCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC					0000000000000000000000	000000000005
even_or_odd_0=1								
ep_result[127:0] =xxxxxxx	xxxxxxxxxxxxxxxxxxxxx	XXXXXXXXXXX				000000000000000000000000000000000000000	0000000000F	
op_result[127:0] =xxxxxxx	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	OXXXXXXXXXXX					0000000000000000000000	000000000005
wd even[127:0] =xxxxxxx	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	OOOOOOOOOO					00000000000000000000000	00000000000F