Time

Signal	Values (left to right)
clk=0	
rst=0	
Branch Unit	
beq=1	
bgez=1	
bgtz=0	
blez=1	
bltz=0	
bne=0	
id_data_rs[31:0]=00000000	00000000
id_data_rt[31:0]=00000000	xxxxxxxx | 00000000 | xxxxxxxx | 00000000 | xxxxxxxx | 00000000 | xxxxxxxx | 00000000 | xxxxxxxx
id_pc_add4[31:0]=00000000	00000014 | 00000018 | 0000001C | 00000020 | 00000034 | 00000038 | 0000003C | 00000040 | 00000044 | 00000048 | 00000060 | 00000064 | 00000068 | 00000004 | 00000008 | 00000068
inst_function[5:0]=00	0A | 01 | 0C | 00 | 08 | 00 | 37 | 06 | 00 | 0D | 0C | 00 | 19 | 00 | 01
long_jump[31:0]=00000000	00080028 | 00140004 | 00000030 | 00283C00 | 00000020 | 00000000 | 00184CDC | 00000018 | 00000000 | 001F4034 | 00000030 | 00000000 | 00000064 | 00000000 | 00680004
op_imm26[25:0]=0000000	002000A | 0050001 | 000000C | 00A0F00 | 0000008 | 0000000 | 0061337 | 0000006 | 0000000 | 007D00D | 000000C | 0000000 | 0000019 | 0000000 | 01A0001
op_rt[4:0]=00	02 | 05 | 00 | 0A | 00 | 06 | 00 | 07 | 00 | 1A
opcode[5:0]=00	09 | 02 | 09 | 05 | 0D | 09 | 04 | 0D | 09 | 00 | 02 | 00 | 0F
pc_branch_address[31:0]=xxxxxxxx	xxxxxxxx | 00000030 | xxxxxxxx | 00000054 | xxxxxxxx | 0000005C | xxxxxxxx | 00000064 | xxxxxxxx
short_jump[31:0]=00000000	0000003C | 0000001C | 0000004C | 00003C20 | 00000054 | 00000038 | 0000003C | 00004D1C | 0000005C | 00000048 | FFFF4094 | 00000094 | 00000068 | 00000008 | 0000006C
take_branch=0	
ID Stage	
id_exception_pc[31:0]=00000000	00000010 | 00000014 | 00000018 | 0000001C | 00000030 | 00000034 | 00000038 | 0000003C | 00000040 | 00000044 | 0000005C | 00000060 | xxxxxxxx | 00000000 | 00000004 | 00000000
id_instruction[31:0]=00000000	2402000A | 24050001 | 0800000C | 240A0F00 | 14000008 | 34000000 | 24061337 | 10000006 | 34000000 | 2407D00D | 0000000C | 00000000 | 08000019 | 00000000 | 3C1A0001