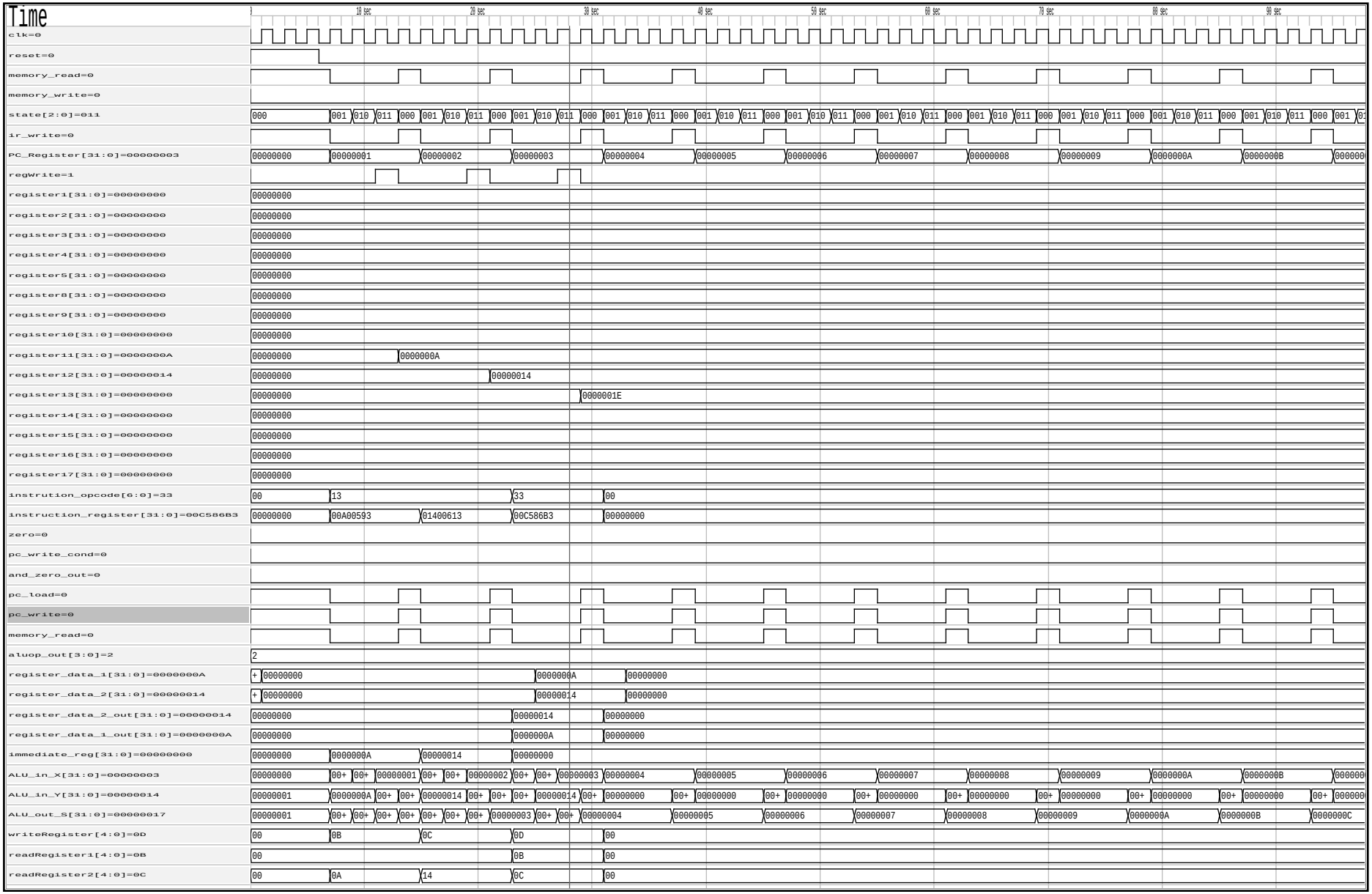
Time
10 sec
20 sec
30 sec
40 sec
50 sec
60 sec
70 sec
80 sec
90 sec
clk=0
reset=0
memory_read=0
memory_write=0
state[2:0]=011
ir_write=0
PC_Register[31:0]=00000003
regWrite=1
register1[31:0]=00000000
register2[31:0]=00000000
register3[31:0]=00000000
register4[31:0]=00000000
register5[31:0]=00000000
register8[31:0]=00000000
register9[31:0]=00000000
register10[31:0]=00000000
register11[31:0]=0000000A
register12[31:0]=00000014
register13[31:0]=00000000
register14[31:0]=00000000
register15[31:0]=00000000
register16[31:0]=00000000
register17[31:0]=00000000
instrution_opcode[6:0]=33
instruction_register[31:0]=00C586B3
zero=0
pc_write_cond=0
and_zero_out=0
pc_load=0
pc_write=0
memory_read=0
aluop_out[3:0]=2
register_data_1[31:0]=0000000A
register_data_2[31:0]=00000014
register_data_2_out[31:0]=00000014
register_data_1_out[31:0]=0000000A
immediate_reg[31:0]=00000000
ALU_in_X[31:0]=00000003
ALU_in_Y[31:0]=00000014
ALU_out_S[31:0]=00000017
writeRegister[4:0]=0D
readRegister1[4:0]=0B
readRegister2[4:0]=0C