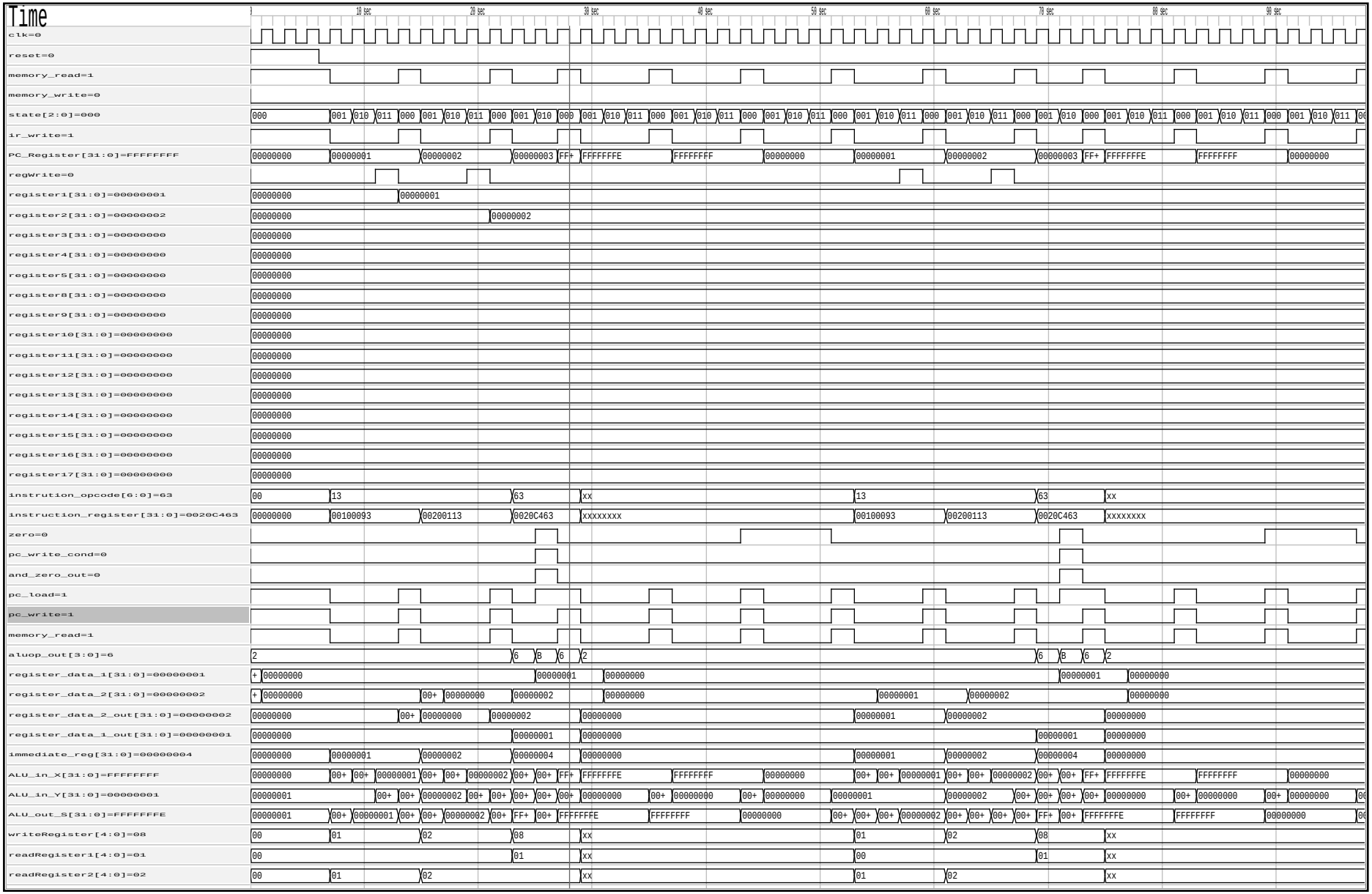
Time
10 sec
20 sec
30 sec
40 sec
50 sec
60 sec
70 sec
80 sec
90 sec
clk=0
reset=0
memory_read=1
memory_write=0
state[2:0]=000
ir_write=1
PC_Register[31:0]=FFFFFFFF
regWrite=0
register1[31:0]=00000001
register2[31:0]=00000002
register3[31:0]=00000000
register4[31:0]=00000000
register5[31:0]=00000000
register8[31:0]=00000000
register9[31:0]=00000000
register10[31:0]=00000000
register11[31:0]=00000000
register12[31:0]=00000000
register13[31:0]=00000000
register14[31:0]=00000000
register15[31:0]=00000000
register16[31:0]=00000000
register17[31:0]=00000000
instrution_opcode[6:0]=63
instruction_register[31:0]=0020C463
zero=0
pc_write_cond=0
and_zero_out=0
pc_load=1
pc_write=1
memory_read=1
aluop_out[3:0]=6
register_data_1[31:0]=00000001
register_data_2[31:0]=00000002
register_data_2_out[31:0]=00000002
register_data_1_out[31:0]=00000001
immediate_reg[31:0]=00000004
ALU_in_X[31:0]=FFFFFFFF
ALU_in_Y[31:0]=00000001
ALU_out_S[31:0]=FFFFFFFE
writeRegister[4:0]=08
readRegister1[4:0]=01
readRegister2[4:0]=02