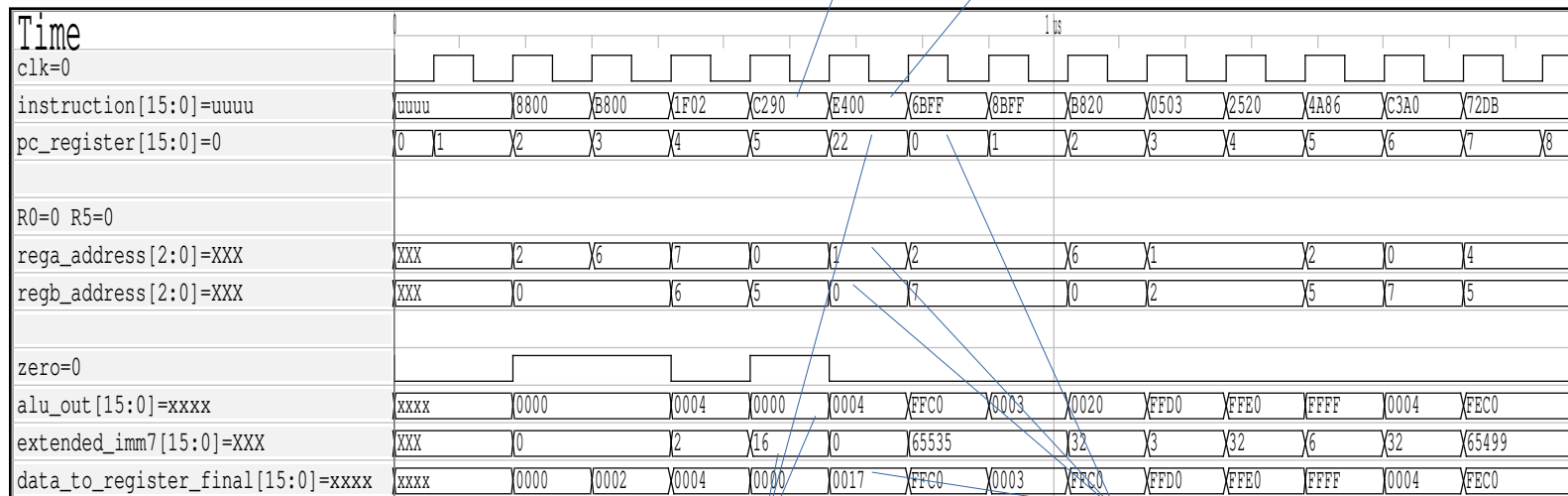


beq r0,r5,"0010000" jalr r1,r0,"0000000"



alu_out = r0-r5;
alu_out = 0;
pc = (pc+1) + imm7;
pc = 6 + 16;
pc = 22;

r1 = pc + 1;
pc = r0;
pc = 0;
r1 = x17 (23)

```
instruction <= BEQ&R0&R5&"0010000";
wait for 120 ns;

instruction <= JALR&R1&R0&"0000000";
wait for 120 ns;
```