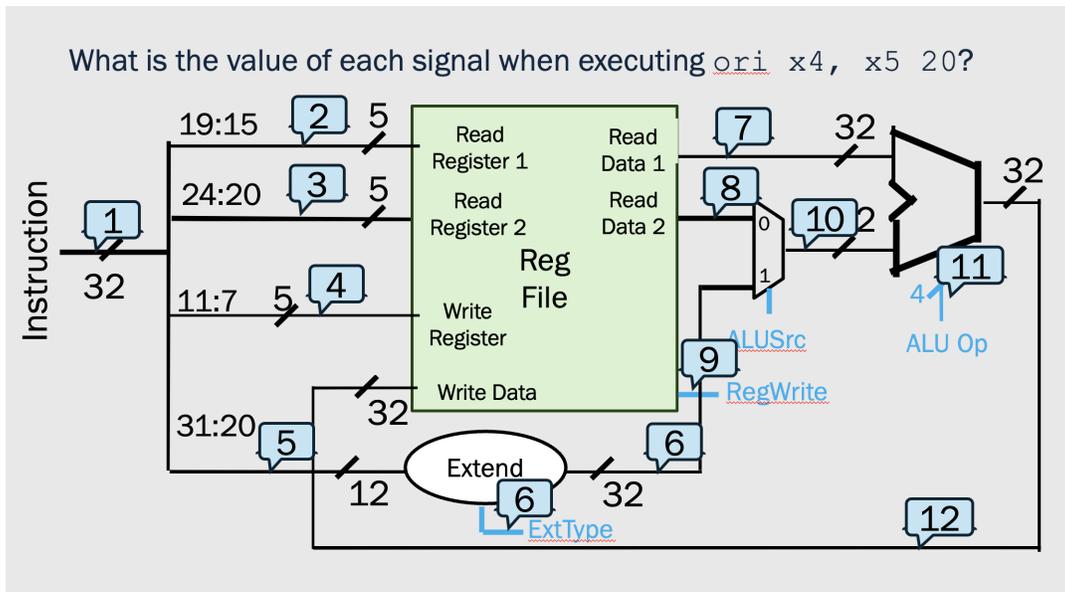


ALU control lines	Function
0000	AND
0001	OR
0010	add
0110	subtract
0111	set less than
1100	NOR

Question 1: Execution Tracing Given the RISC-V ALU Control table above, trace through the execution of the following RISC-V instruction, filling in the value of each signal. Provide all answers in decimal (except for #1). Use the original contents of the register file lecture 21.
 ori x4, x5, 20. Funct3 for ori is 110.



1.1. Signal 1

1.2. Signal 2

1.3. Signal 3

1.4. Signal 4

1.5. Signal 5

1.6. Signal 6

1.7. Signal 7

1.8. Signal 8

1.9. Signal 9

1.10. Signal 10

1.11. Signal 11

1.12. Signal 12