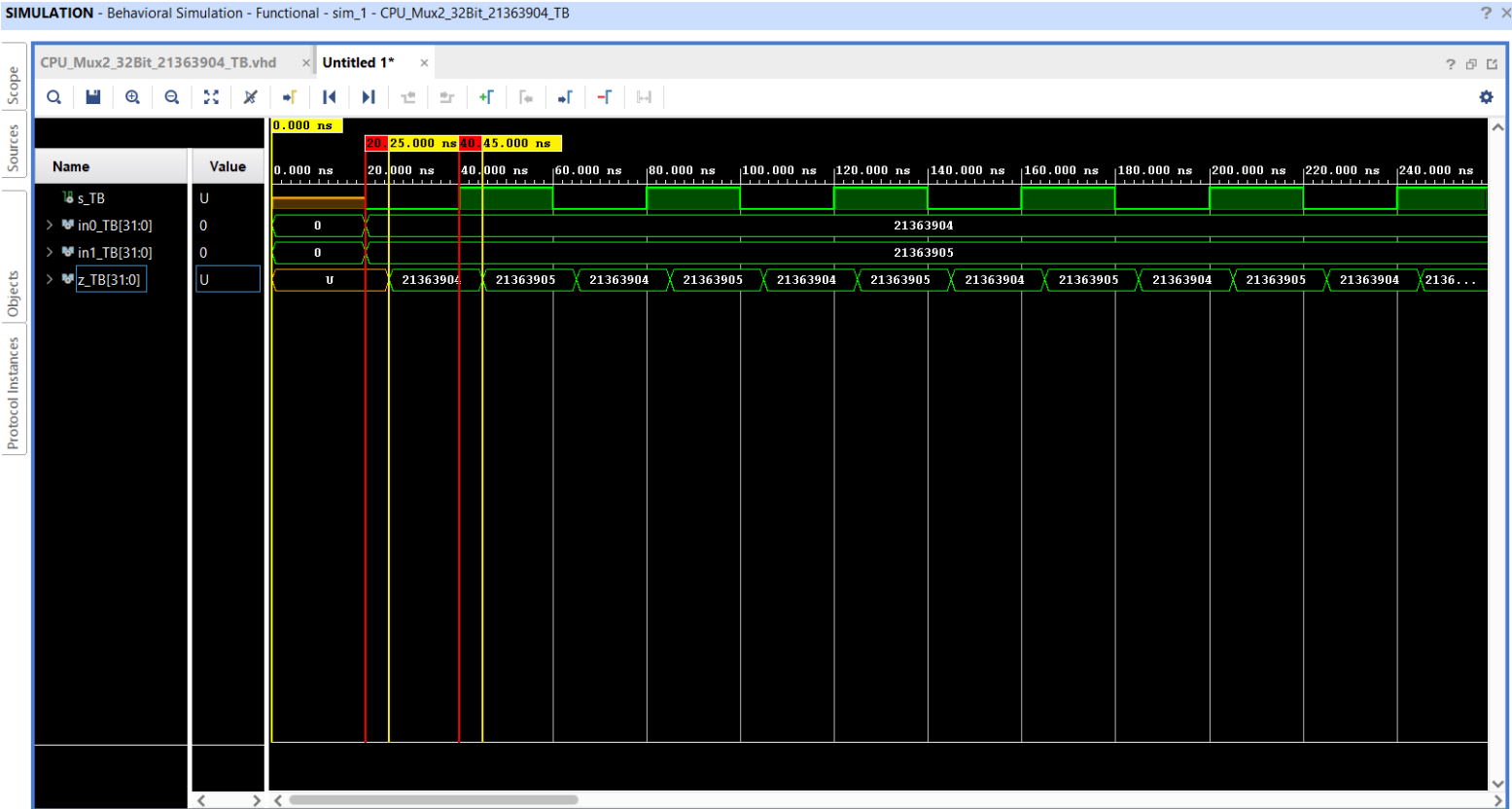


CPU_Mux2_32Bit_21363904



The timing diagram for the 32Bit Multiplexer is shown above. All numbers are in Signed Decimal notation. *in0* is loaded with my Student ID (21363904) and *in1* is loaded with my Student ID + 1. The red lines mark when the select input changes and the yellow lines mark when the correct value appears at the output, after a propagation delay of 5ns. When the select is set to 0, the value at *in0* (my Student ID) appears at the output, and when set to 1, the value at *in1* (ID + 1) appears at the output.