# Circuit Simulation Project

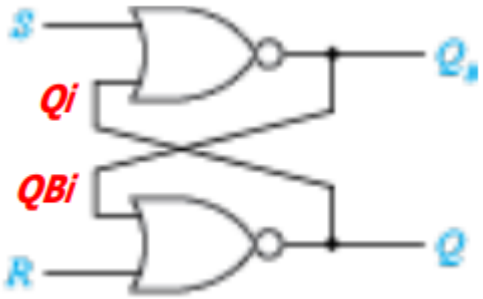
https://esim.fossee.in/circuit-simulation-project

**Name of the participant:** Shreyas Choudhary

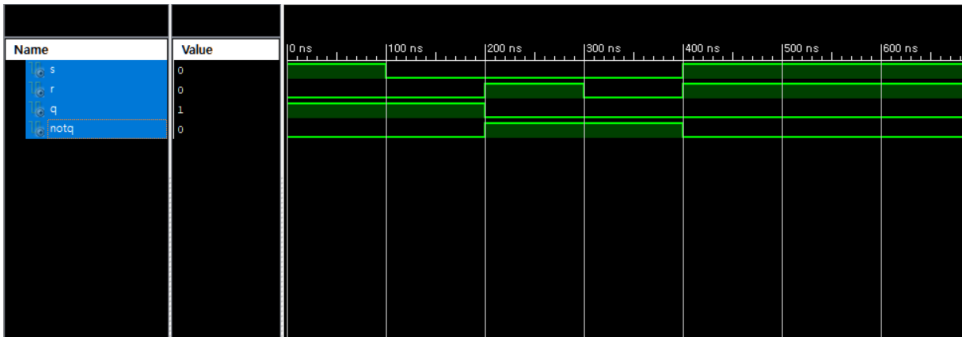
**Title of the circuit:** SR Latch

**Theory/Description:** An SR latch made from two NAND gates. An SR latch (Set/Reset) is an asynchronous device: it works independently of control signals and relies only on the state of the S and R inputs. In the image, we can see that an SR latch can be created with two NOR gates that have a cross-feedback loop.

**Circuit Diagram(s): created using NGHDL**




**Results (Input, Output waveforms, and/or Multimeter readings) :**




**Source/Reference(s):**
https://www.tutorialspoint.com/vlsi_design/vlsi_design_vhdl_introduction.htm

**SR Latch VHDL code:-** https://github.com/Shreyas1308/FOSSEE_submission.git