Homework- 1

Read experiment 1 on the experiment sheet. In the homework, this experiment will be implemented.

You are expected to present your results in your report, which will **not exceed 2 pages.**

The report does not require a cover. Just write a title. Write your name and number as **header on each page.**

1) Add the library specified in the experiment sheet to Logisim using the *Poject* -- *Load Library* - *Logisim Library* tabs. In the experiment, you are asked to implement using the IC's under this library.

2) Implementation of step 1:
- Create the circuit given in Step 1 of the experiment sheet using the IC's in the library.
- Add inputs and outputs using the Add pin options.
- Click on Pins, add a label from the edit tab on the left for each pin.
- For inputs select **"three-state?" as "No"**
- Test that your circuit is working.
- Add the figure of the circuit you created to your report. (Clip the unnecessary places on the figure)
- View the results of your circuit from the *Project* -- *Analyze Circuit* -- *Table* tabs.
- In the viewed table, arrange the inputs and outputs in the same way as in Table 1 on the experiment sheet.
- Add the figure of the table to your report. (Clip the unnecessary places of the figure)

3) Repeat the above for Step 2 in the Experiment. Add the circuit and table to your report

4) Upload your report to ninova as pdf, not exceeding 2 pages

5) Put the circuits you created in Step1 and Step2 (2 files) and the library you used (1 file) in the folder and compress (3 files in total). Upload it to Ninova.

6) Download the files you have uploaded from ninova and check that they are correct, working and viewable.
7) Corrupted files will not be evaluated.
8) Format of the homework will also be scored.