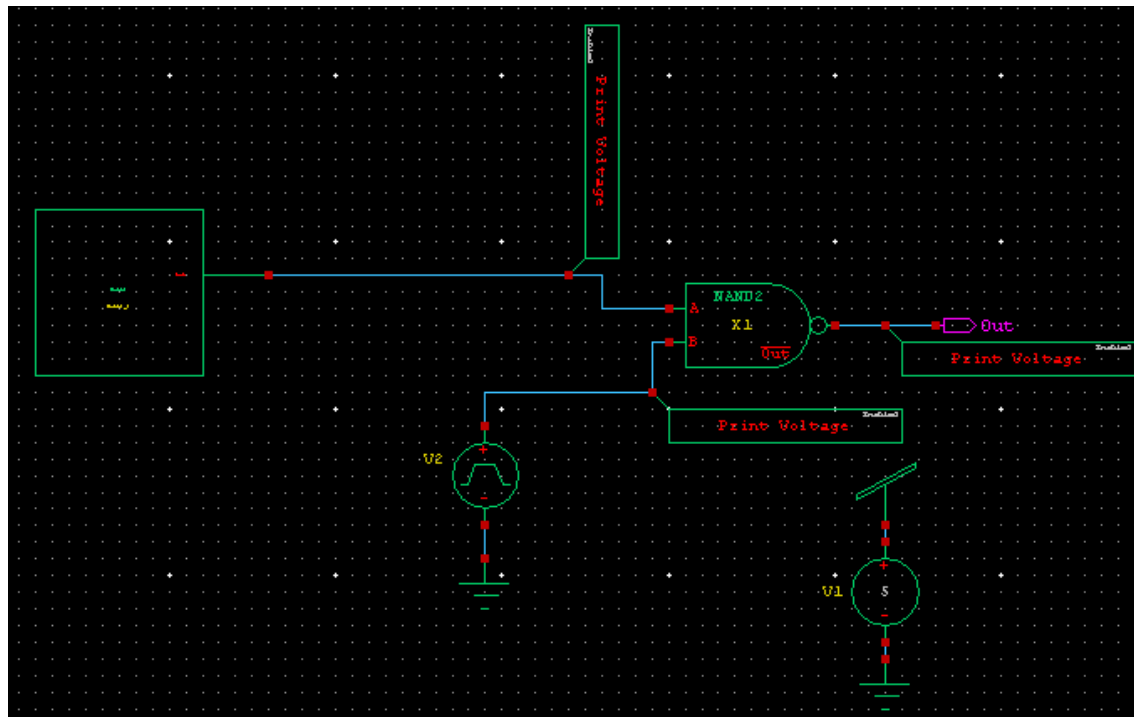


1. Cascade the inverter you designed before to build a **Ring Oscillator** and calculate it's frequency.
2. Analyze the effect of changing the transistors **width** and **Vdd** over **Frequency**.
3. Do you think that the **single stage** ring oscillator will work? Give an **explanation** of your answer.
4. Change the number of **stages** in your chain to make a **square wave** (CLK signal).
5. Apply your square wave into a **NAND** gate and **explain** the output waveform.



6. Try to smooth your output 😊 (**Bonus**)
7. Try to generate a triangle wave from your output. 😊 (**Bonus**)