# ISLAMIC UNIVERSITY OF TECHNOLOGY

# Organization of Islamic Cooperation

# Board Bazar, Gazipur

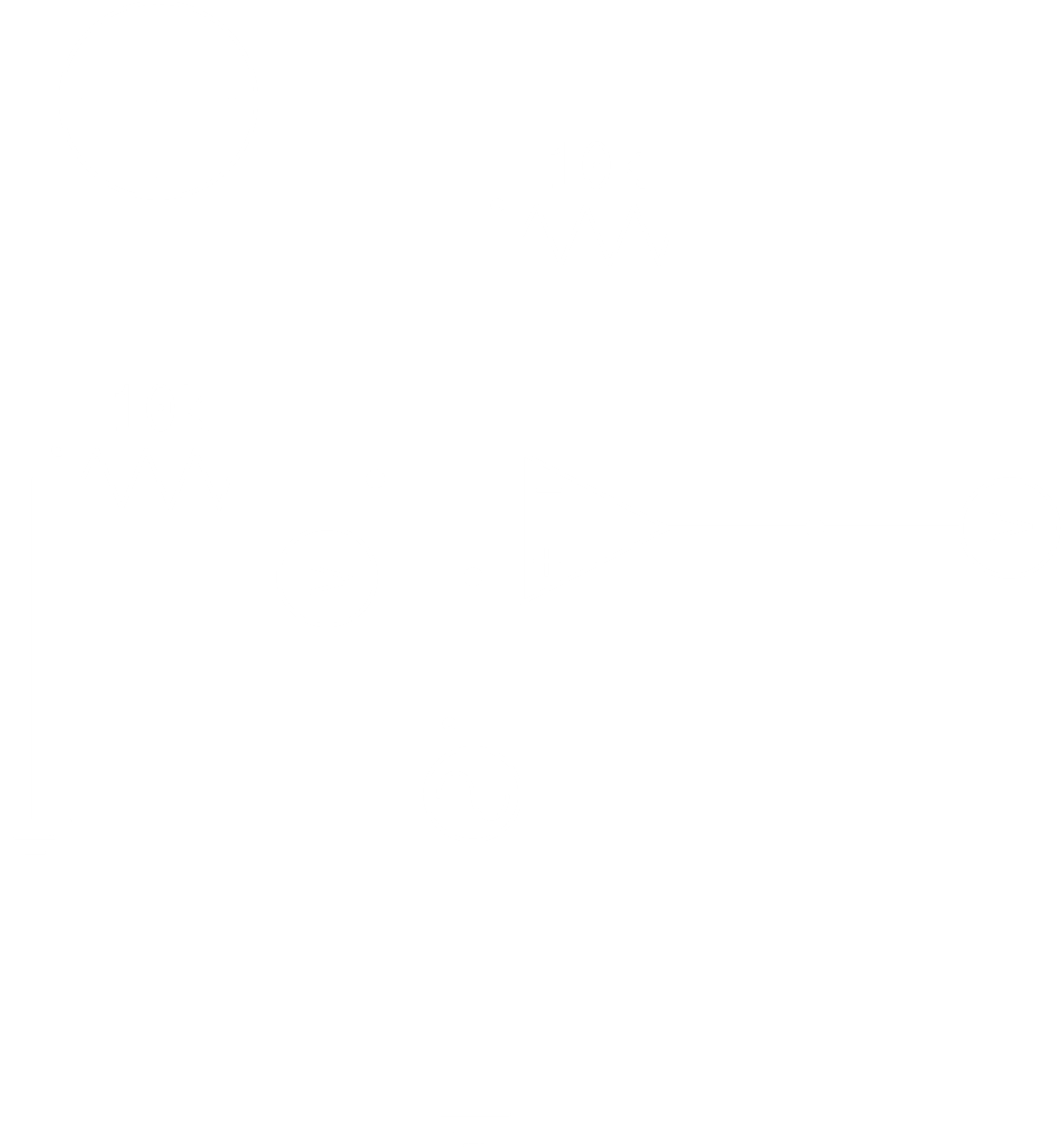
# Lab 03

# Study of Operational Amplifier as an Inverter, Inverting Amplifier, Adder, Integrator, Differentiator, Non-inverting Amplifier

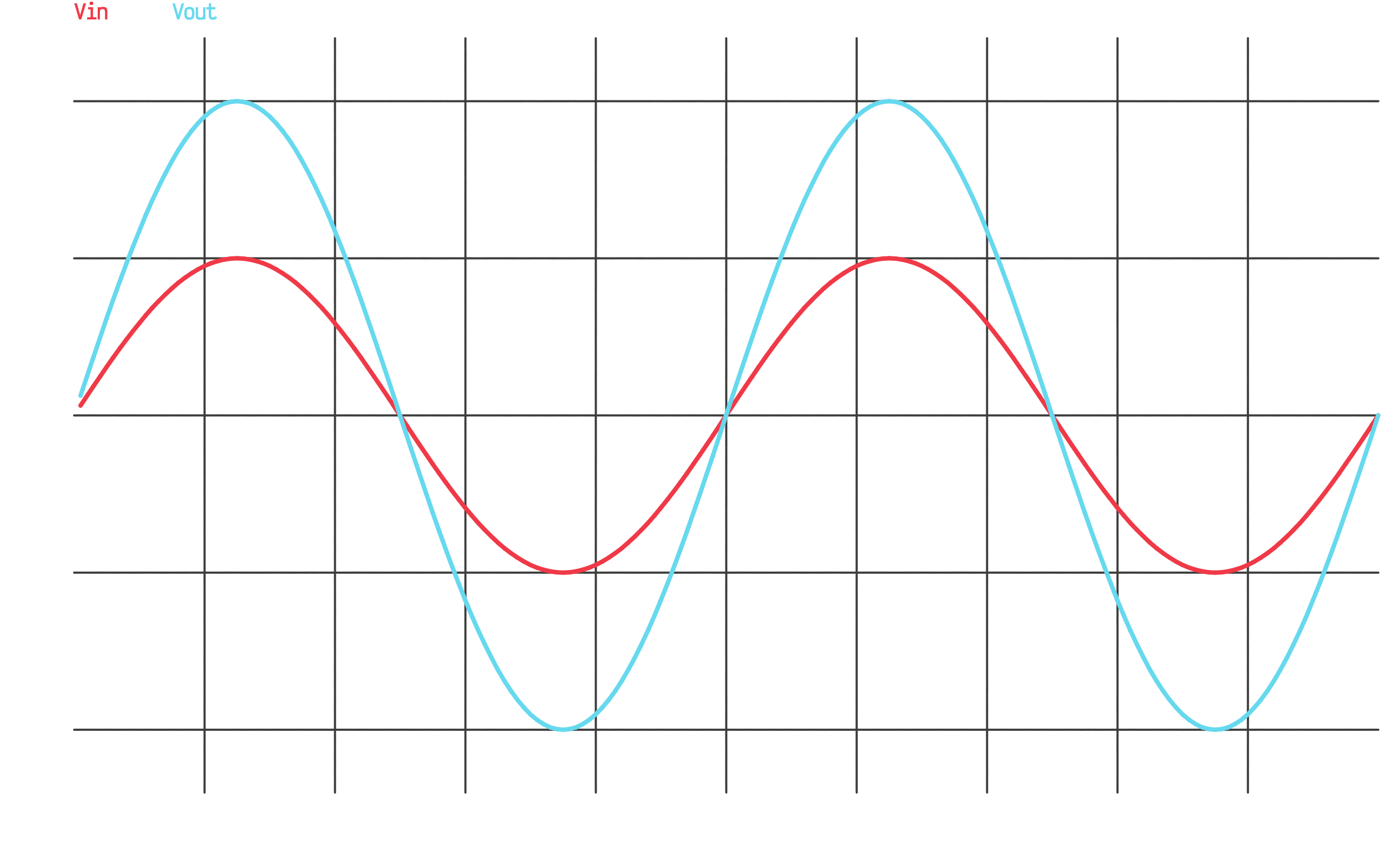
# EEE 4484

**Task 2**

Circuit Diagram

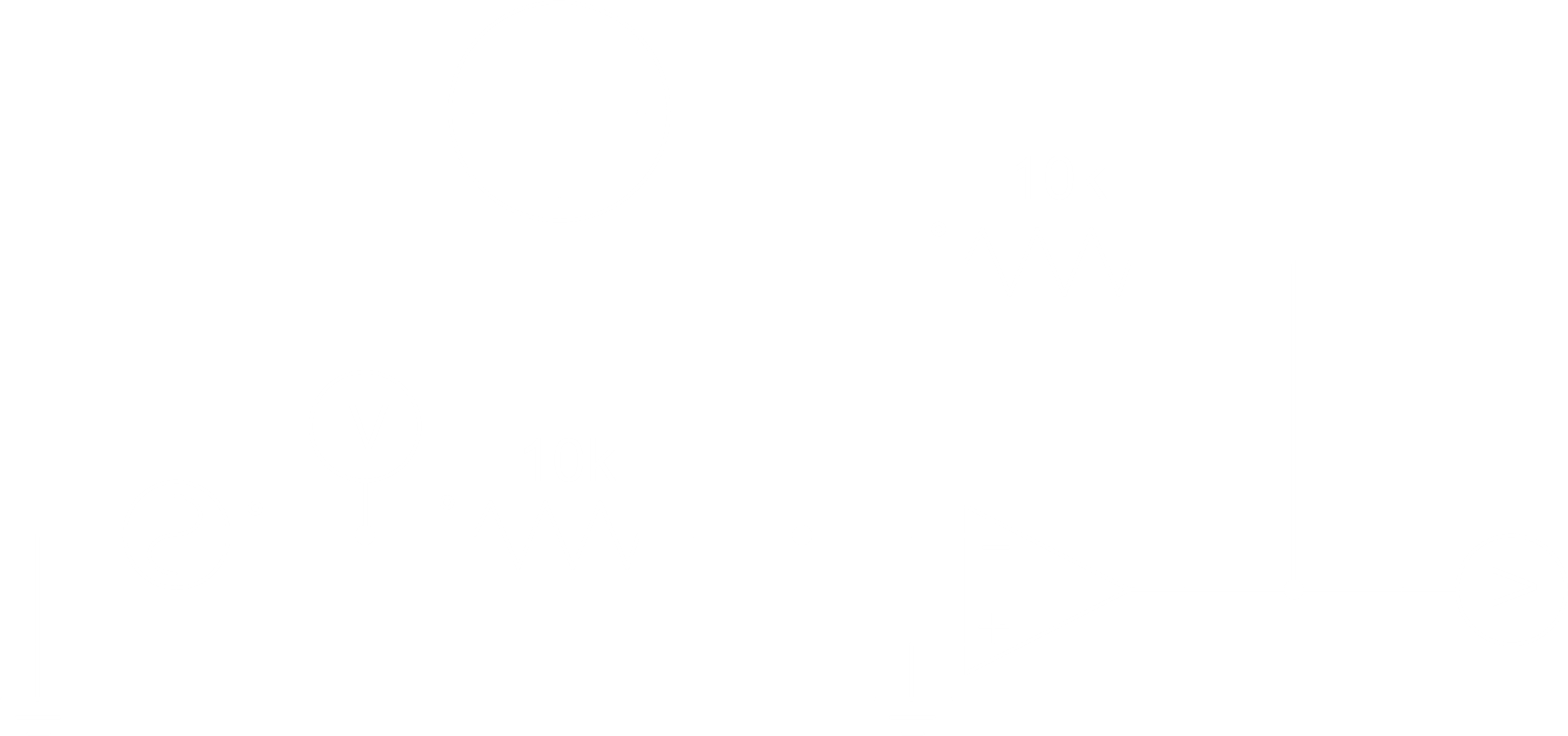


Wave Shapes

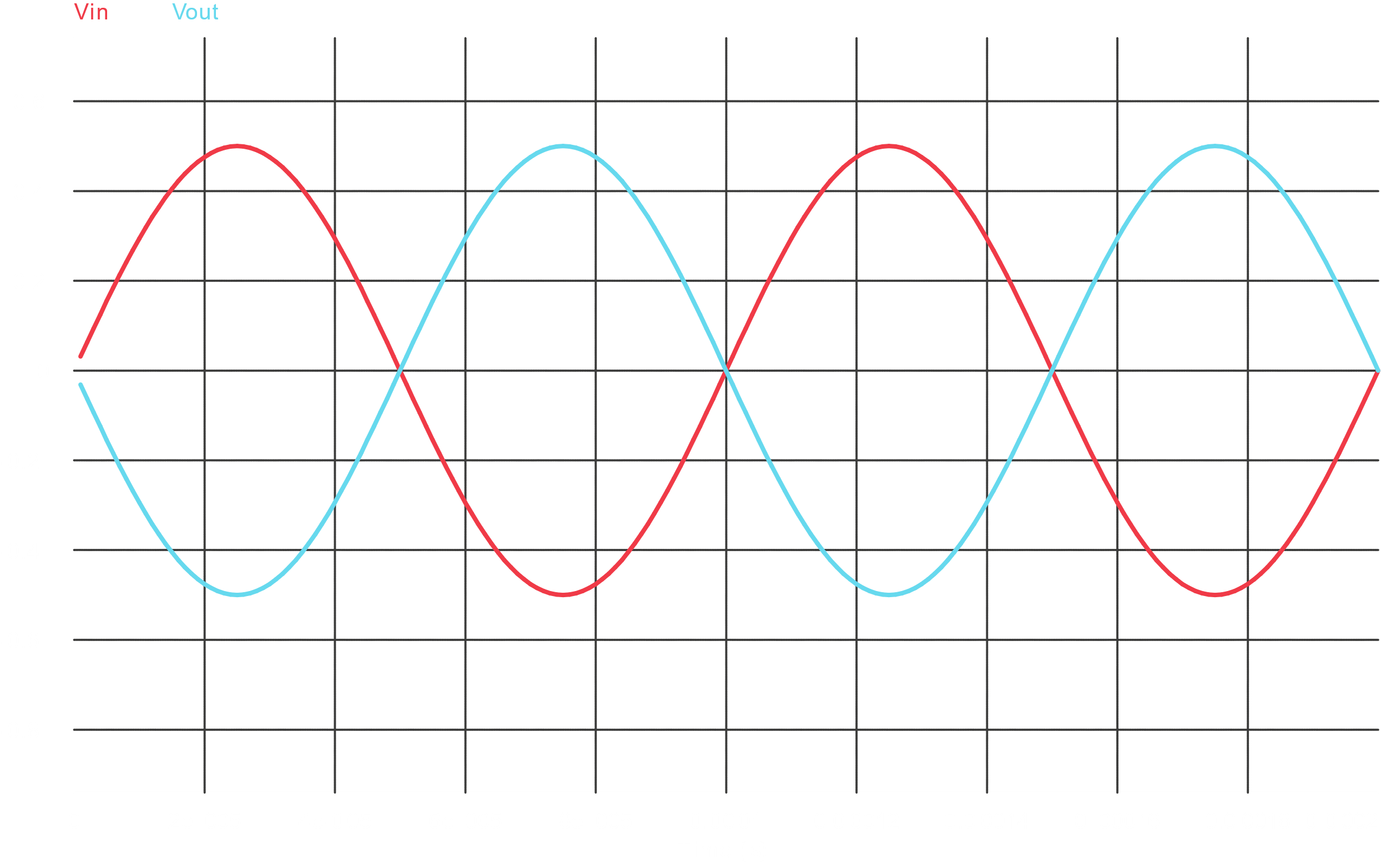


**Task 3**

Circuit Diagram

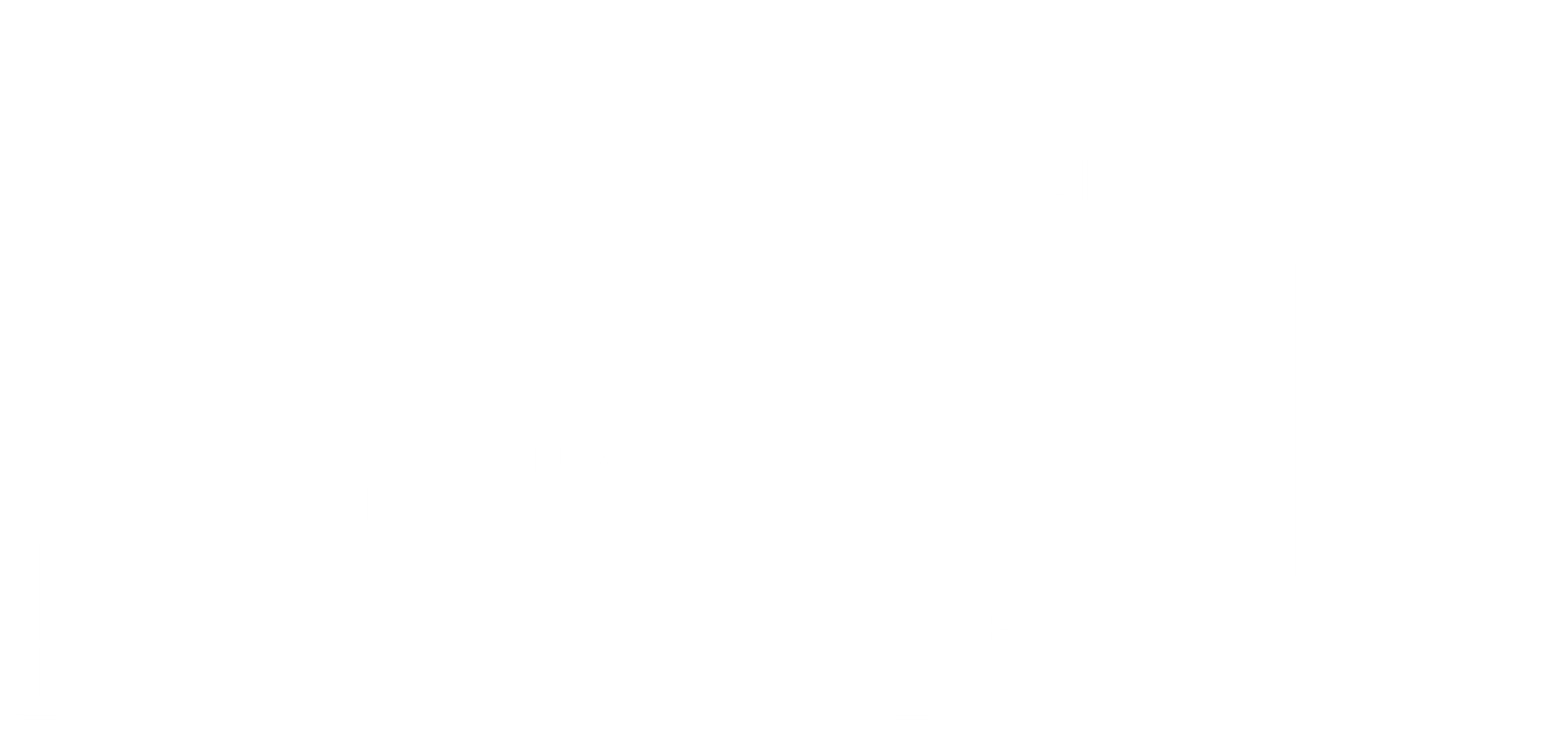


Wave Shapes

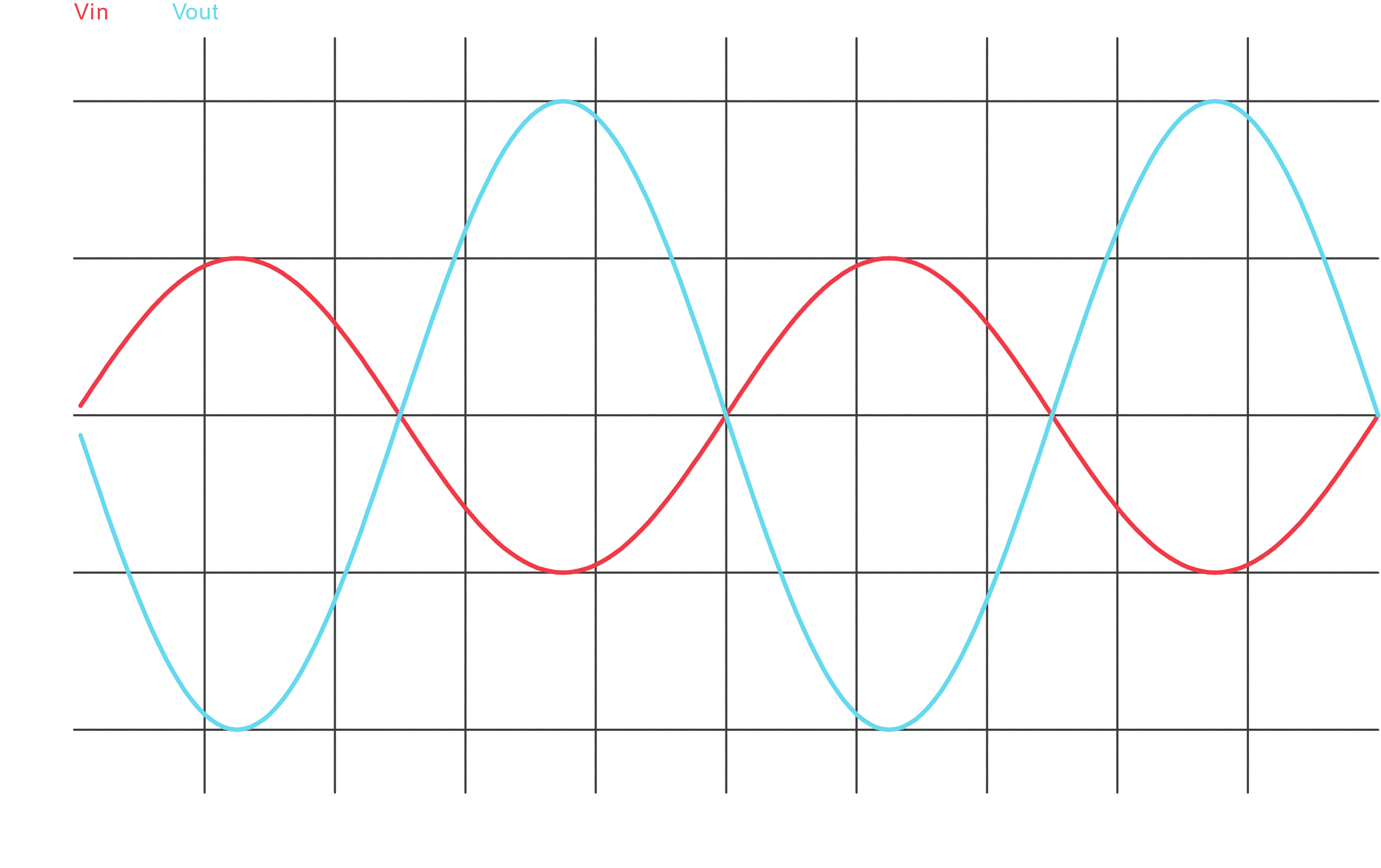


**Task 4**

Circuit Diagram



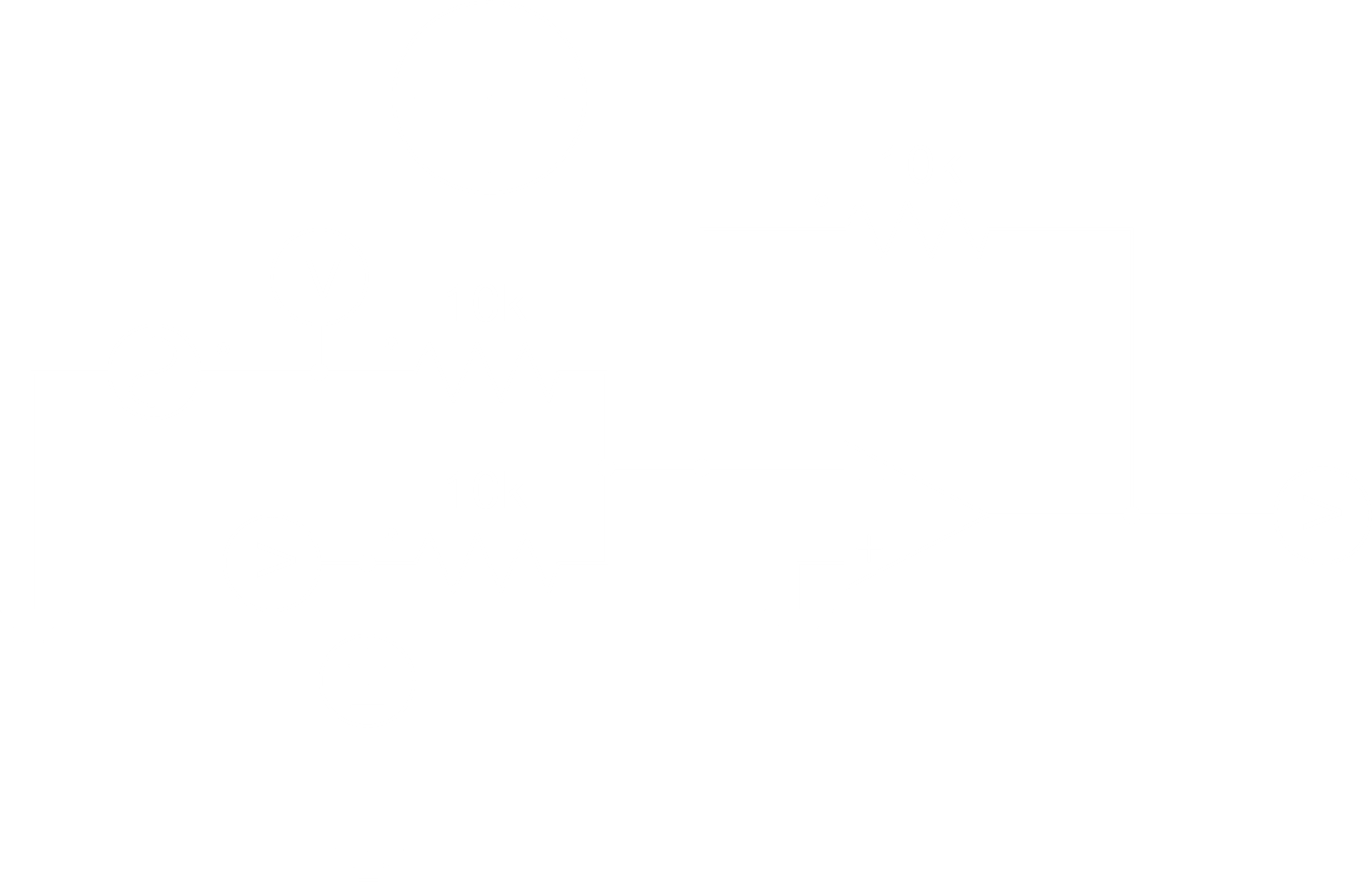
Wave Shapes



Increasing input, output is clipped at for .

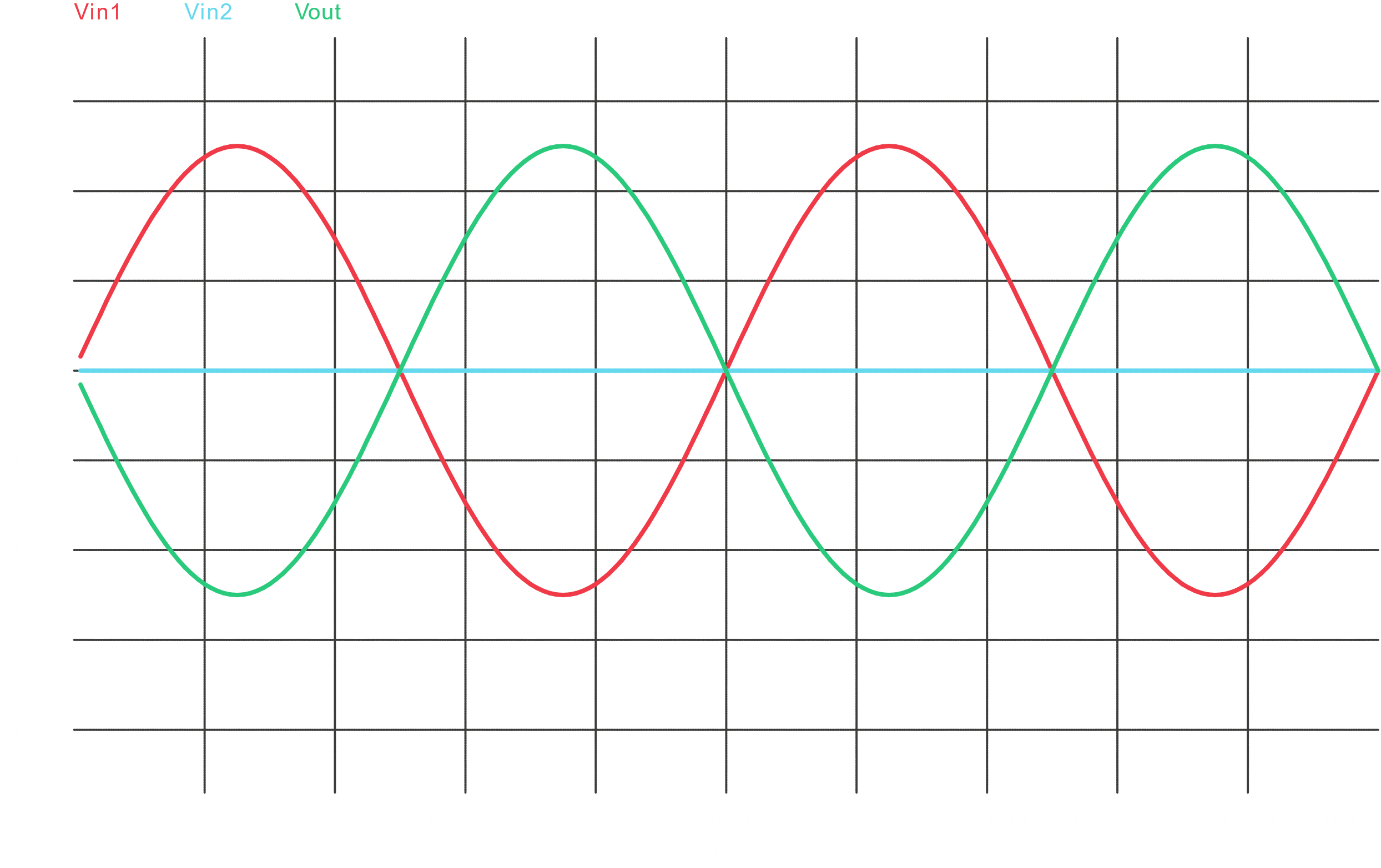
**Task 5**

Circuit Diagram



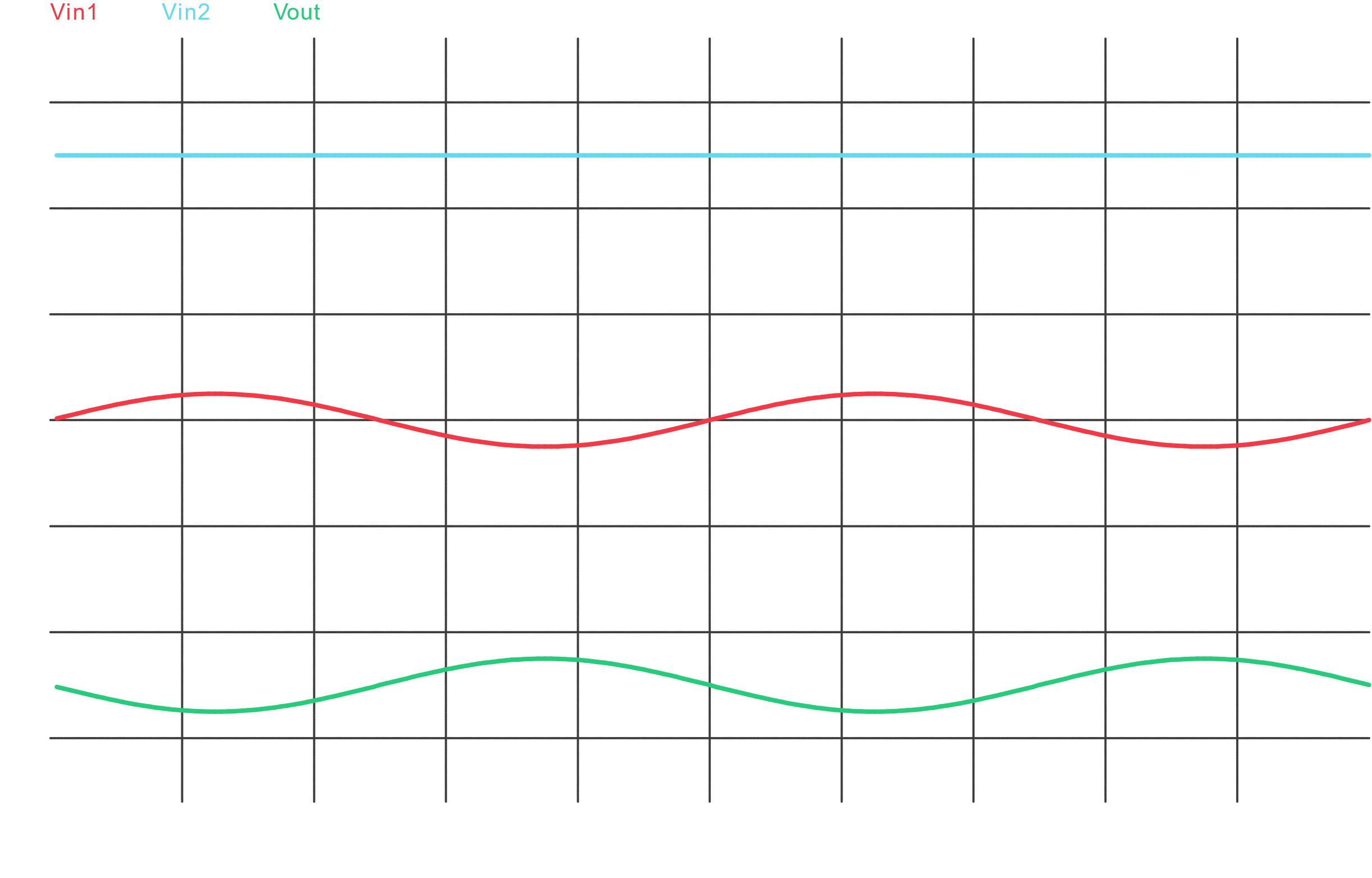
For ,

Wave Shapes



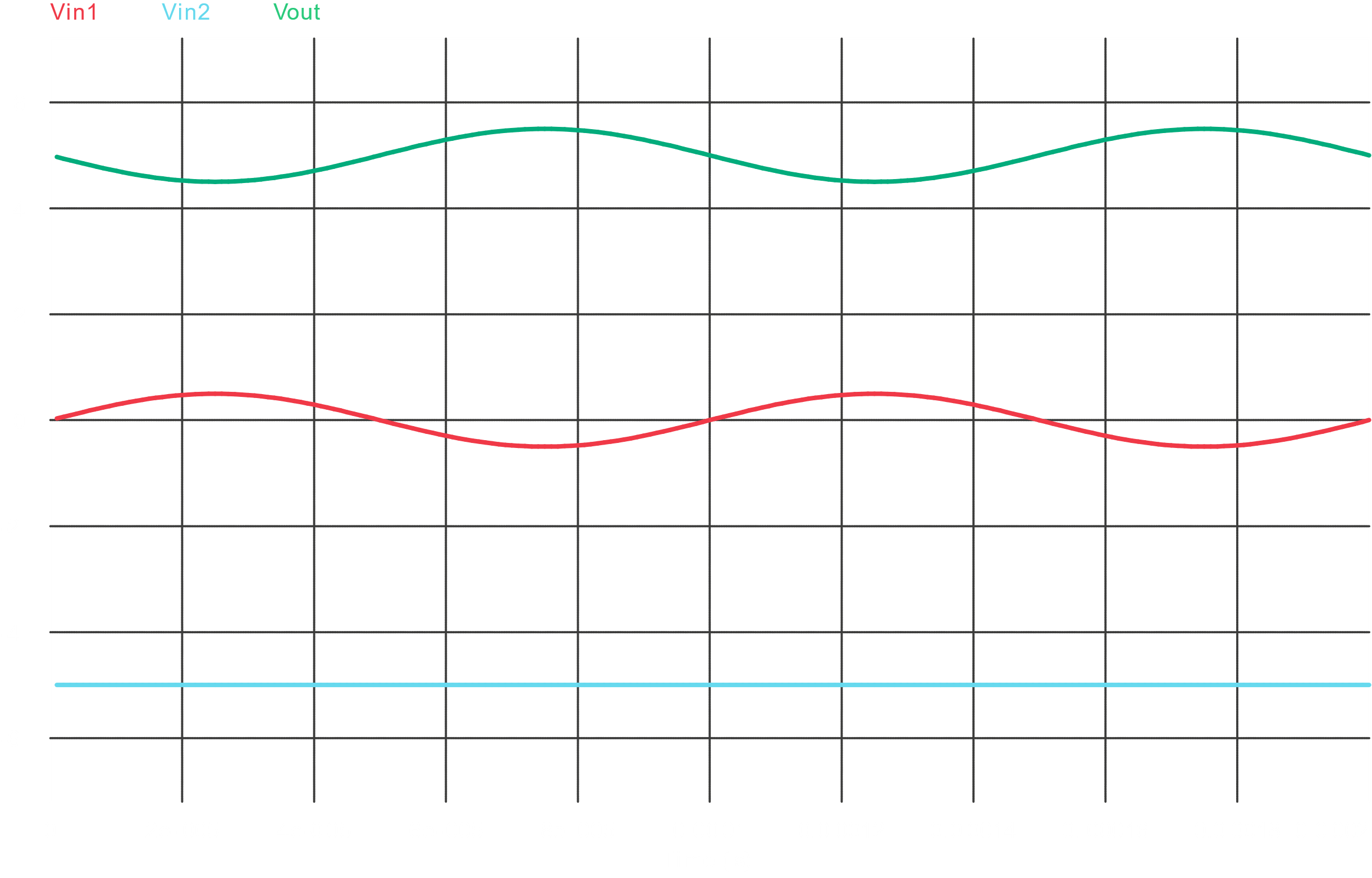
For ,

Wave Shapes



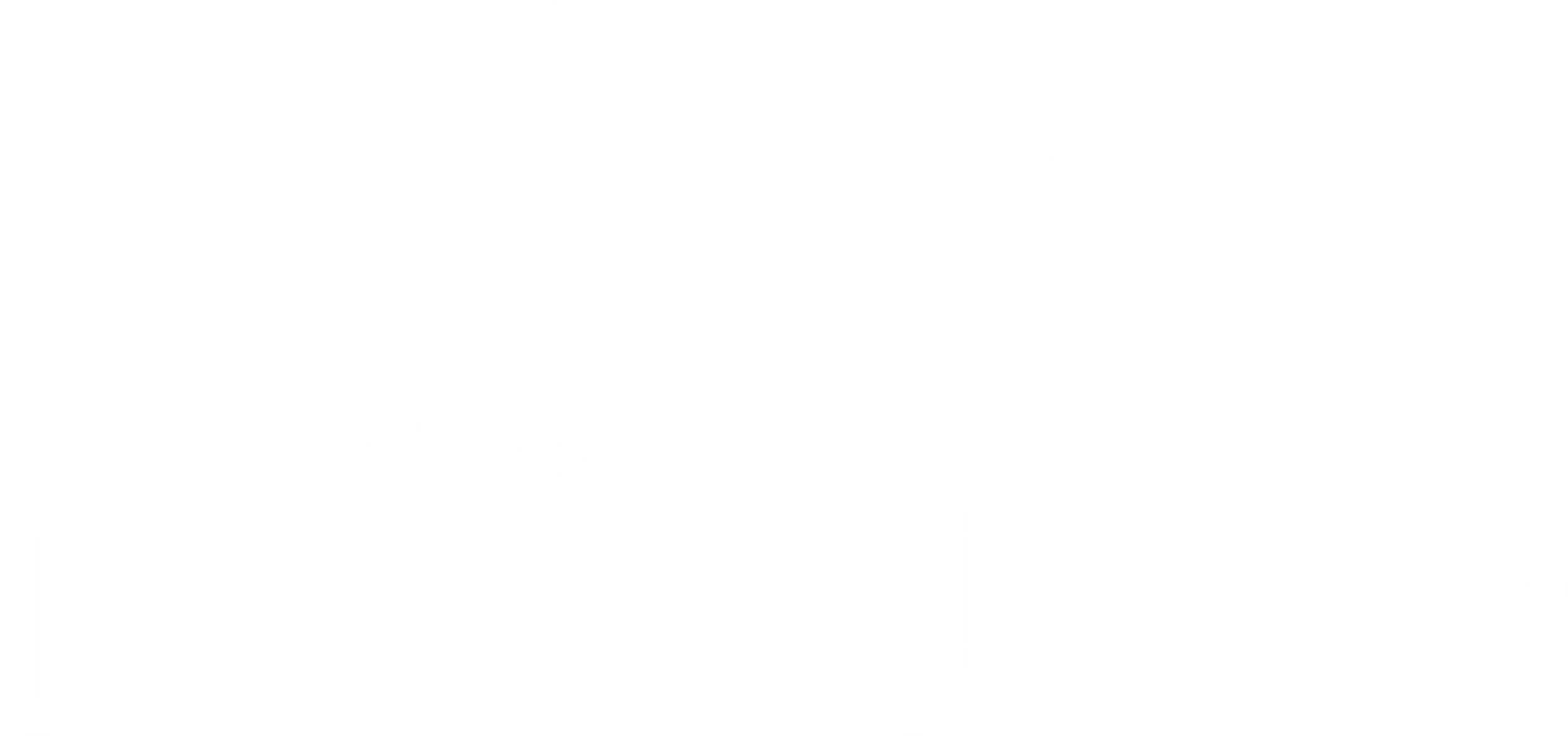
For ,

Wave Shapes

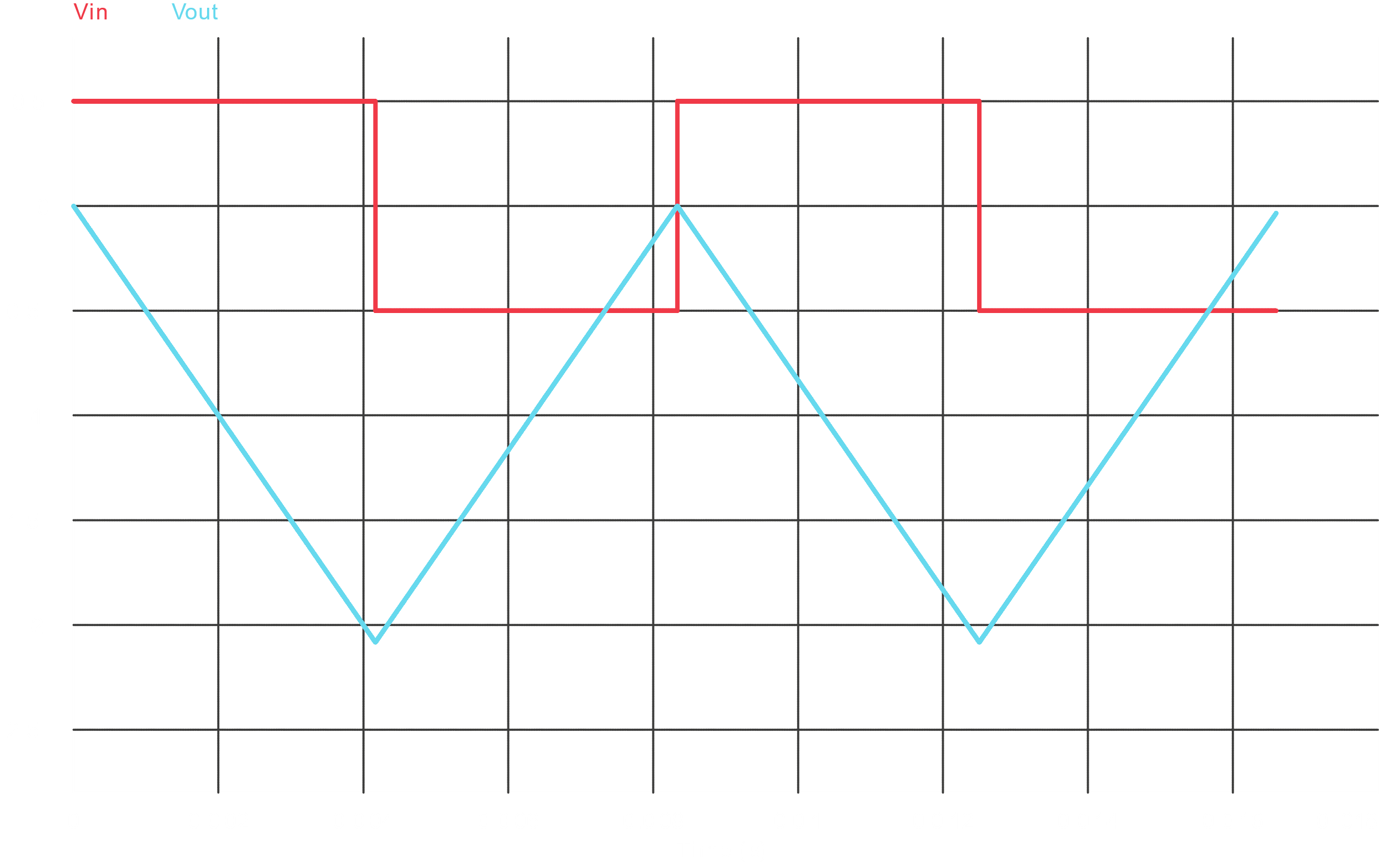


**Task 6**

Circuit Diagram

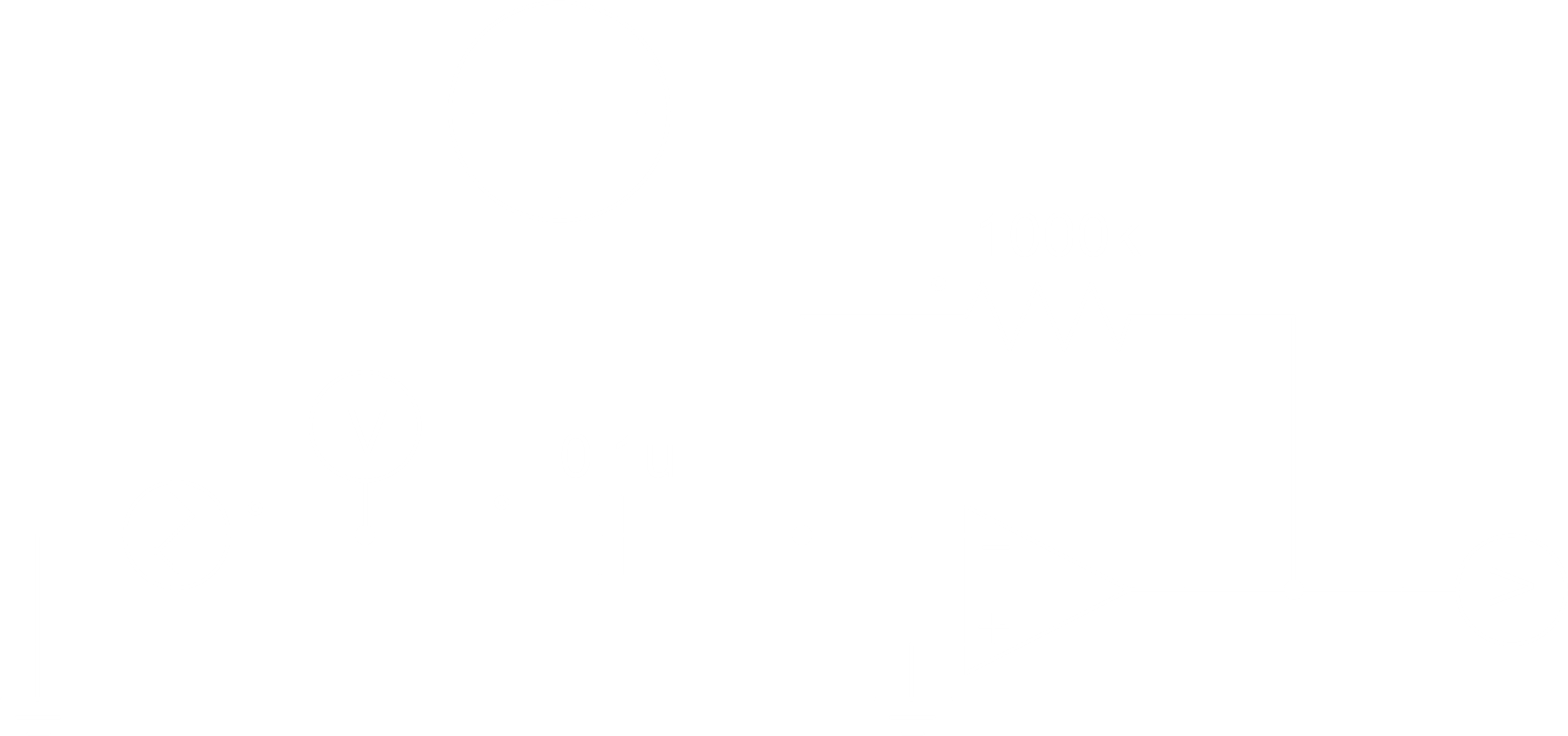


Wave Shapes



**Task 7**

Circuit Diagram



Wave Shapes

