



Inspiring Excellence

**Electronic Devices & Circuits (CSE251)**

Submission by: **Tahmid Iqbal**

Student ID: **21201701**

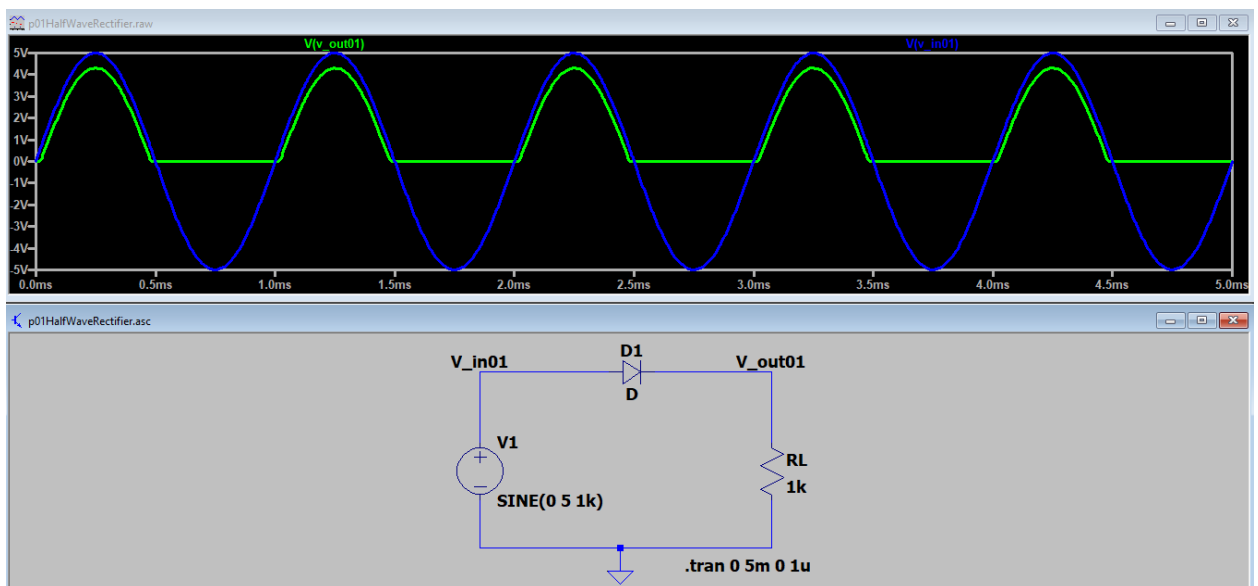
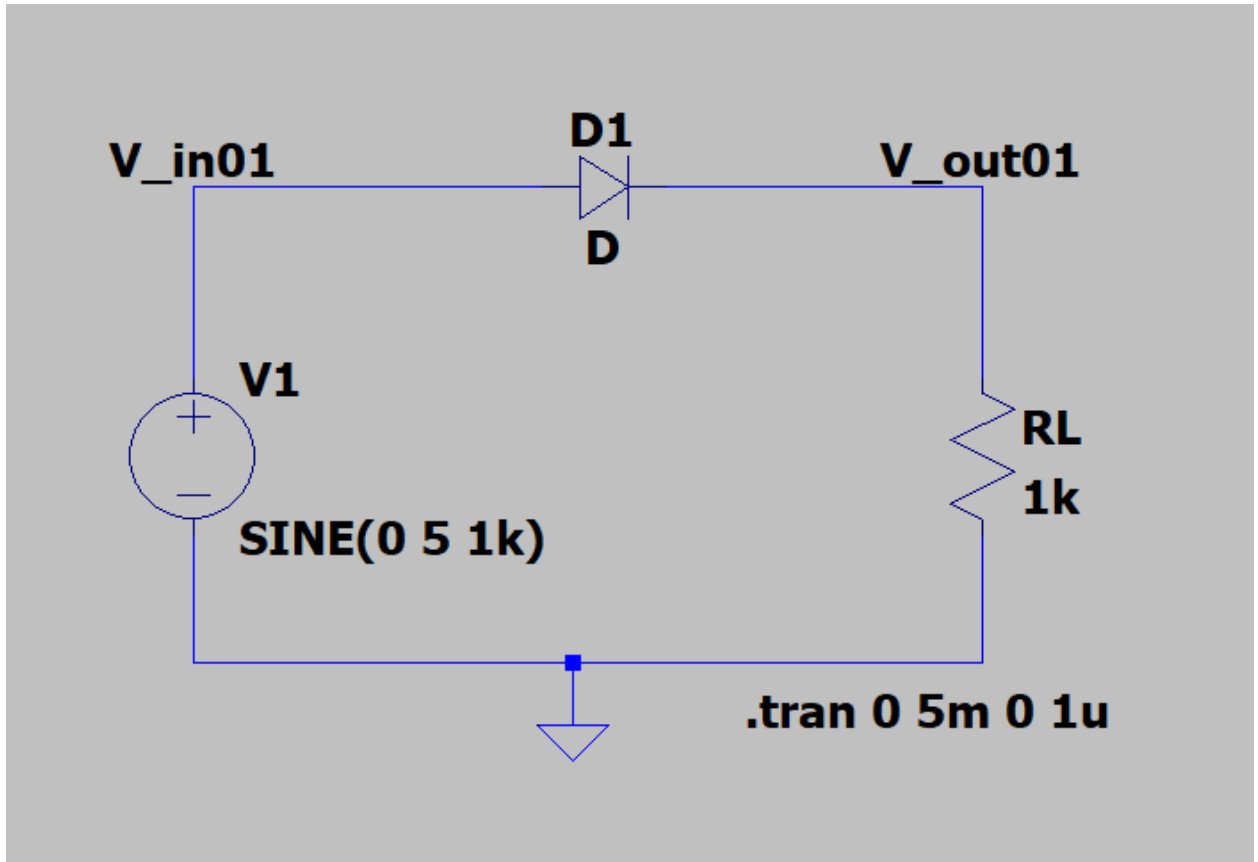
Section: 06

Submission Date: 09.10.23

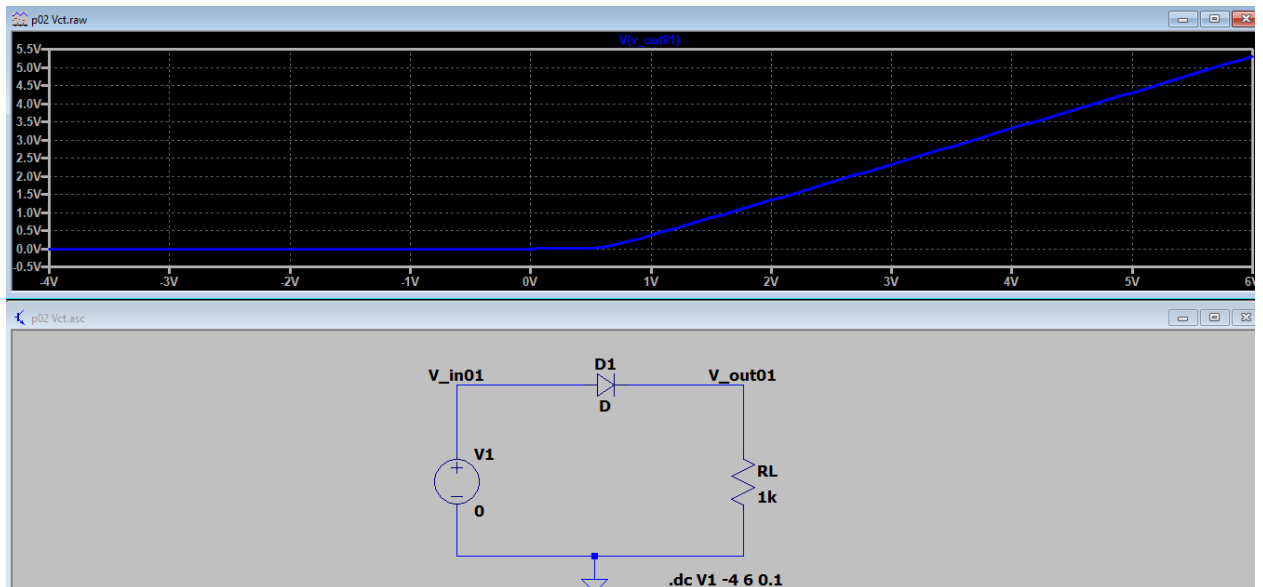
**Group no: 04**

# Classwork

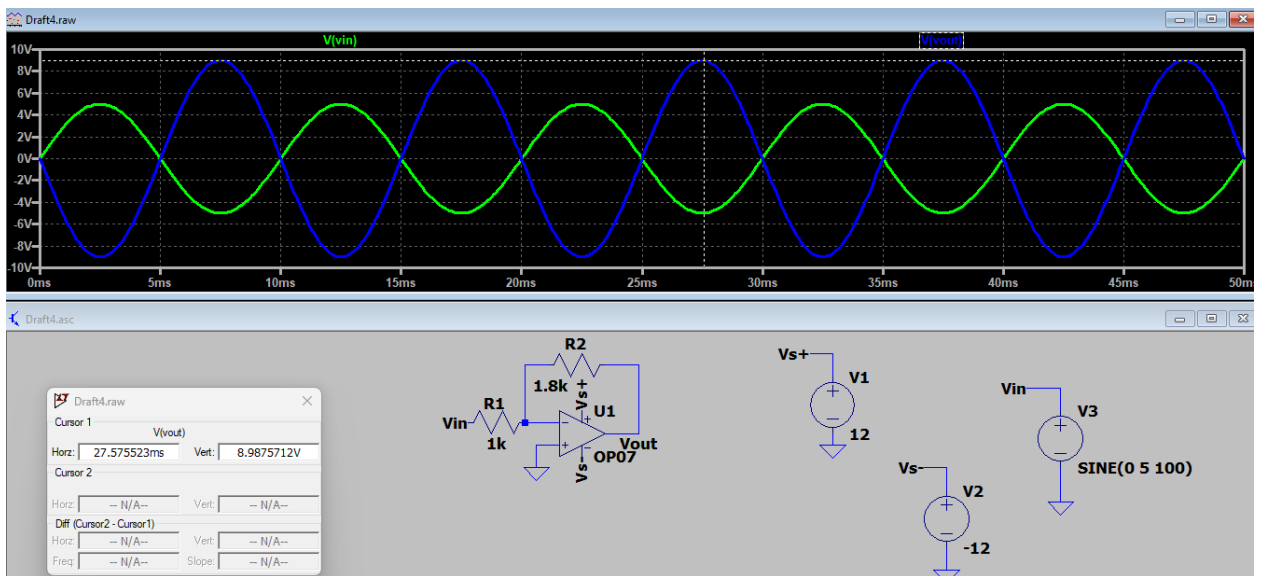
## 1. p01HalfWaveRectifier



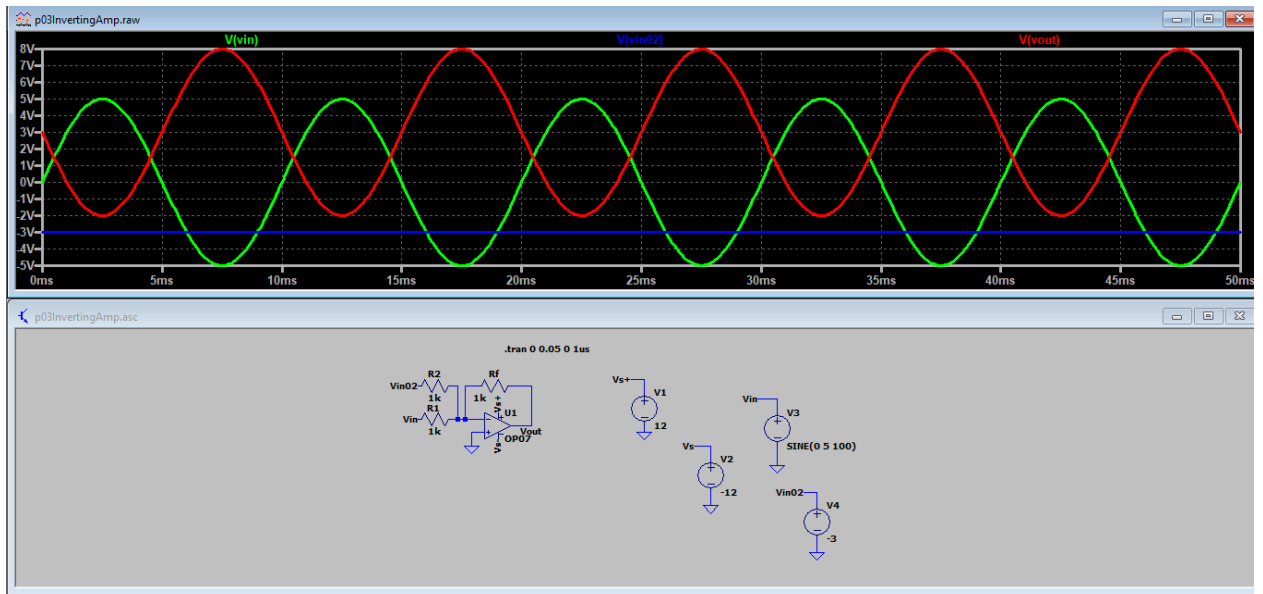
## 2. P02 VCT



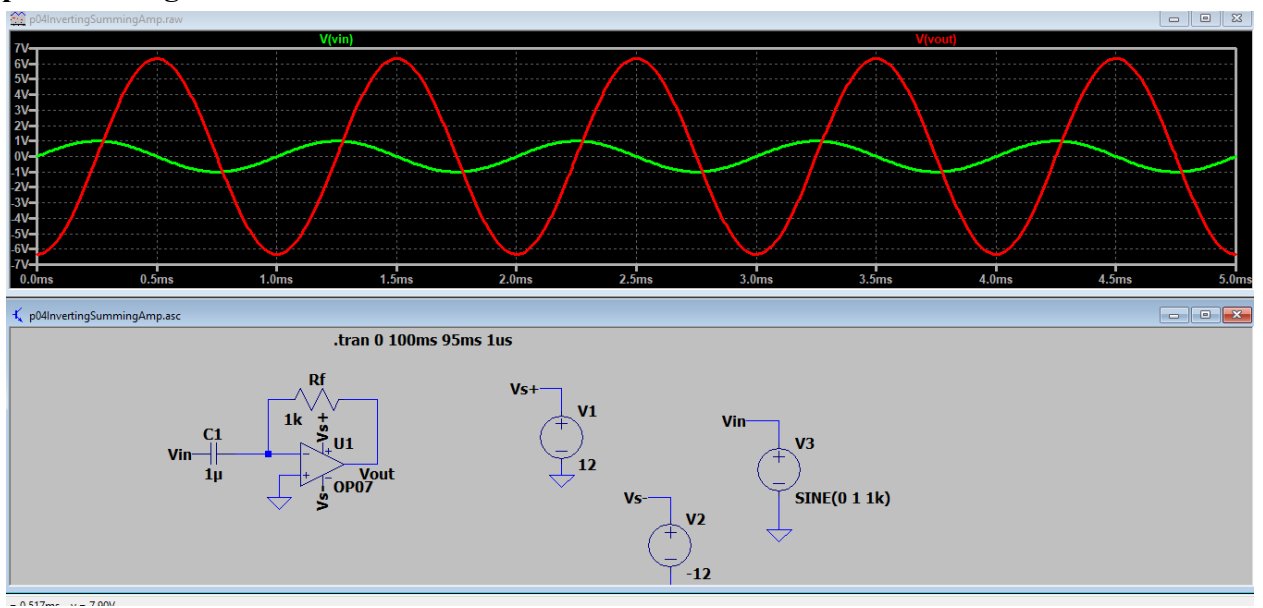
## 3. p03InvertingAmp



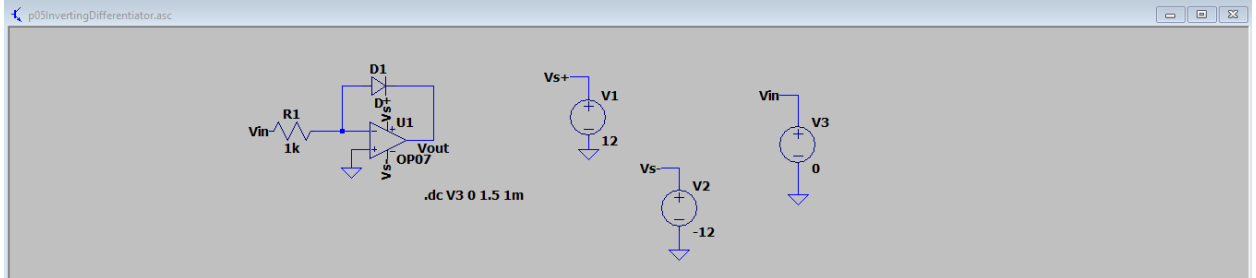
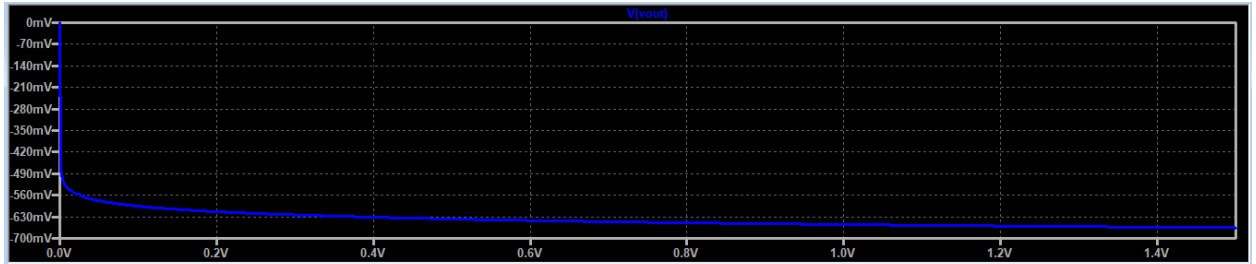
## 4. p04InvertingSummingAmp



## 5. p05InvertingDifferentiator

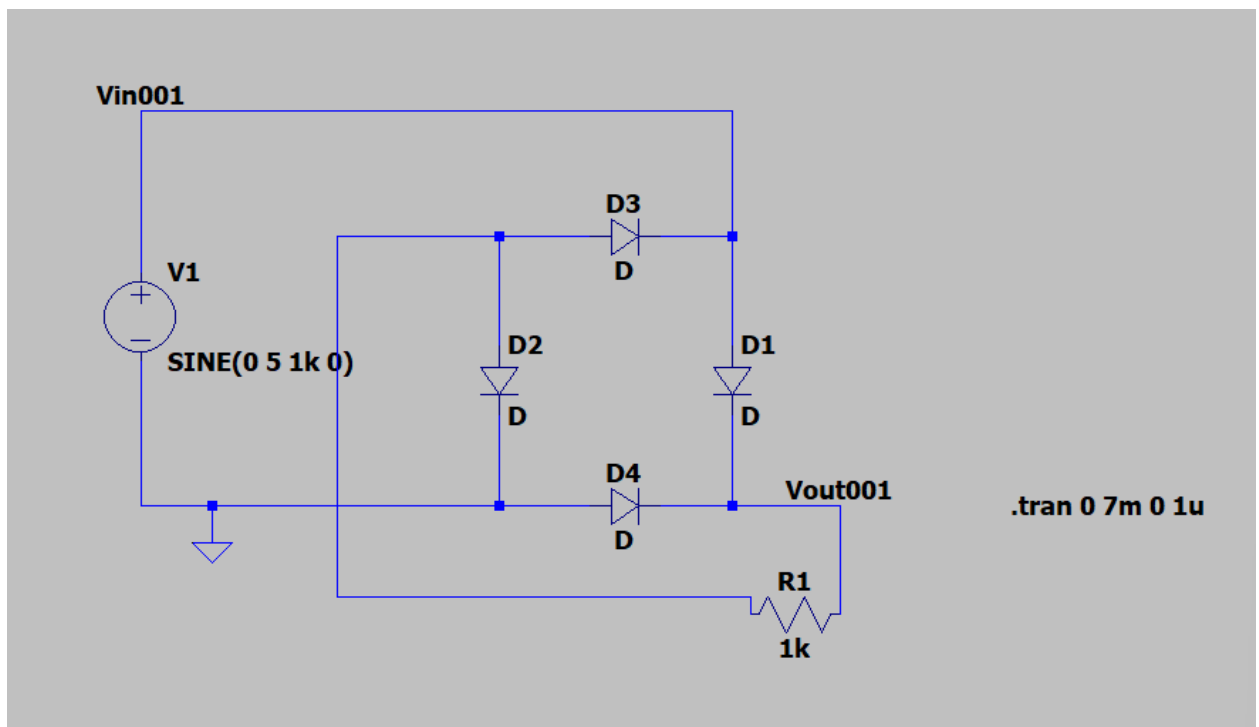
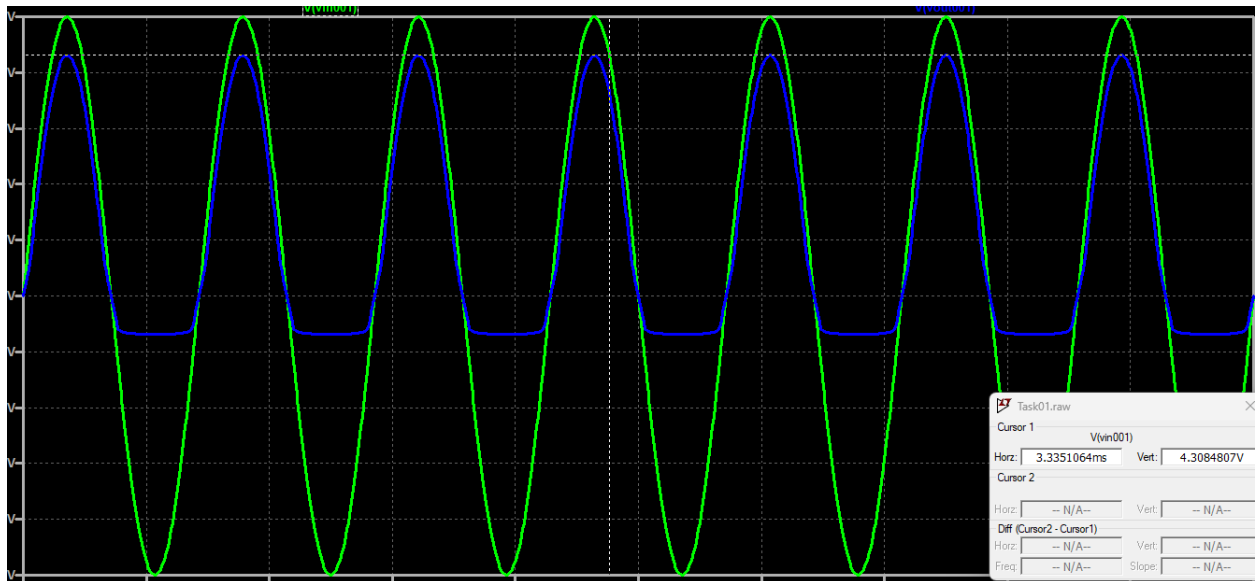


## 6. p06Logarithmic

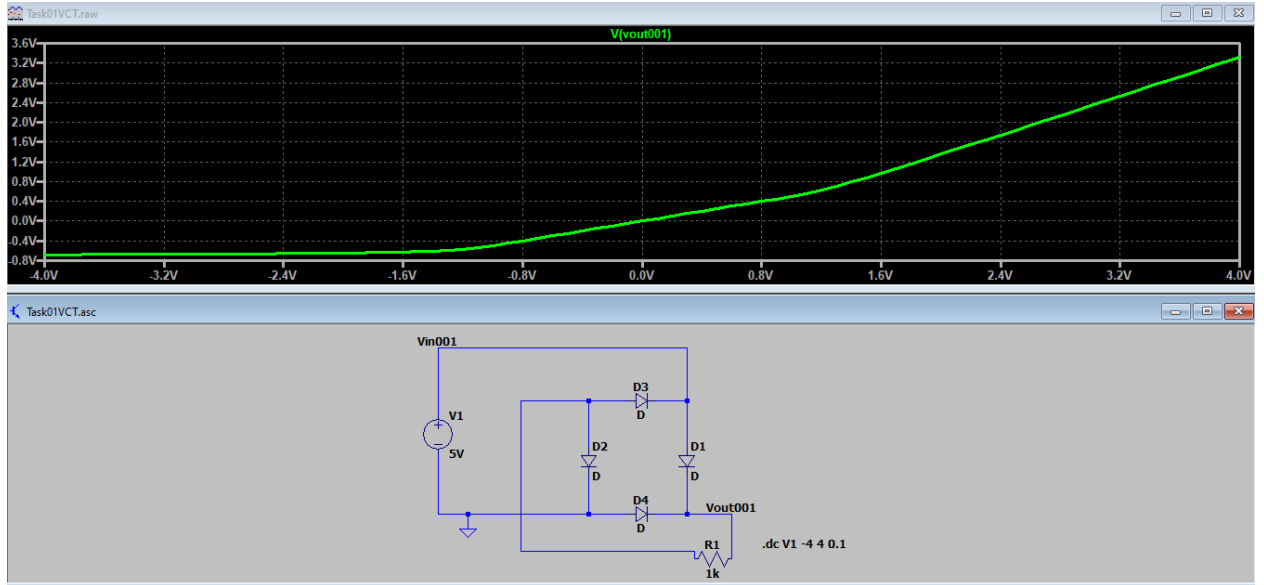


# HomeTasks

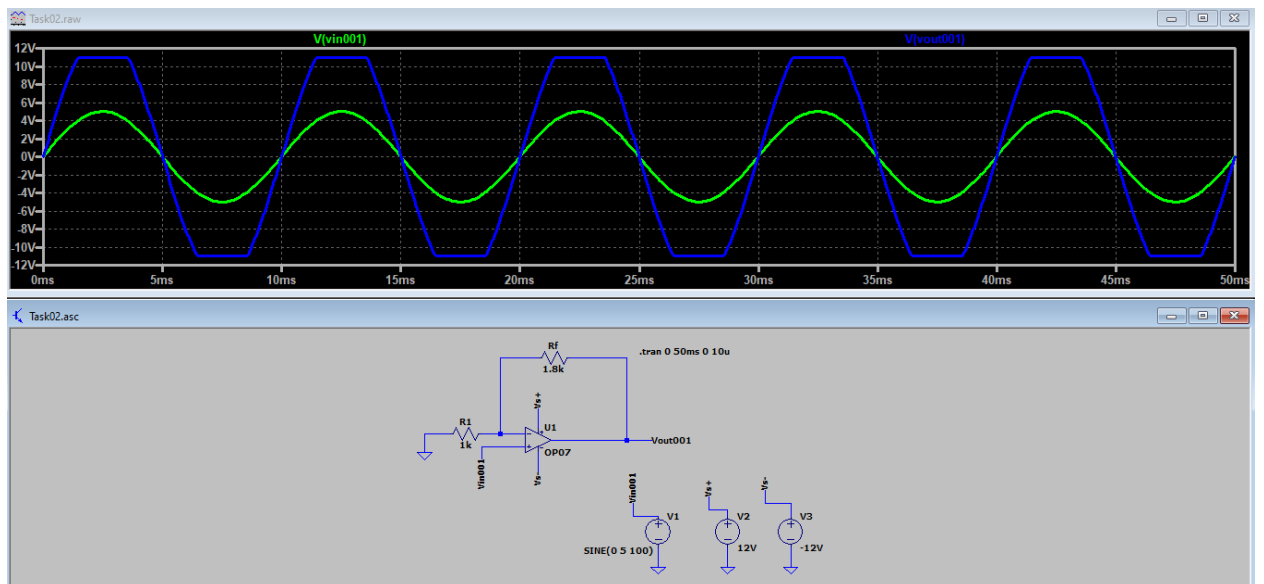
## 1. Full-Wave Rectifier



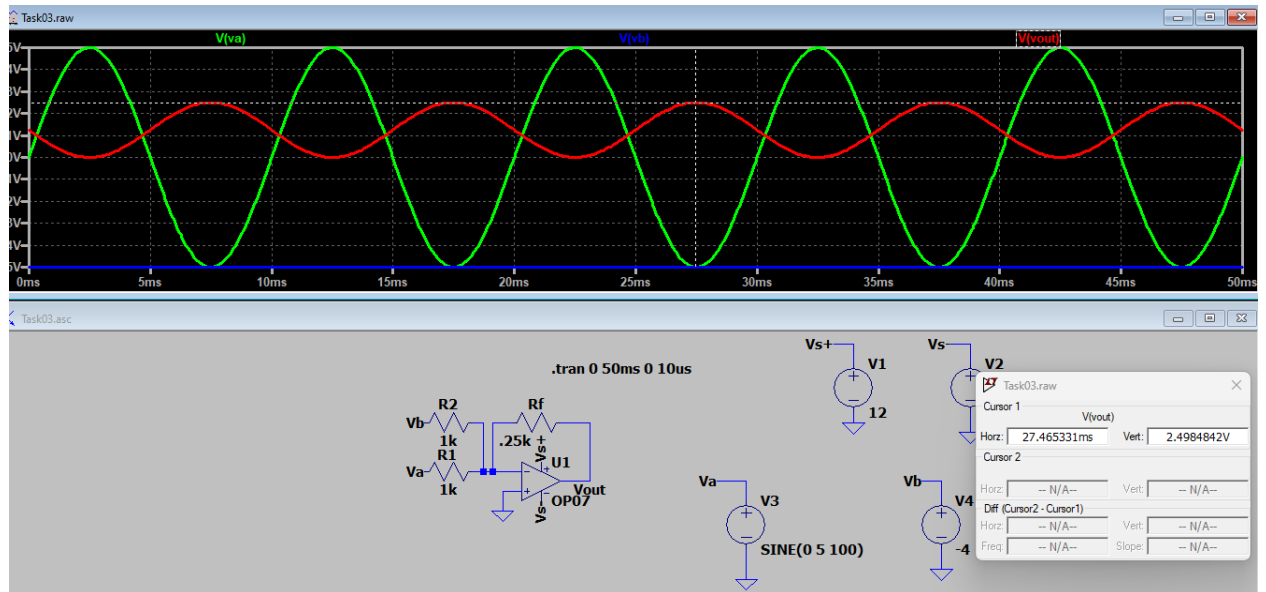
VCT



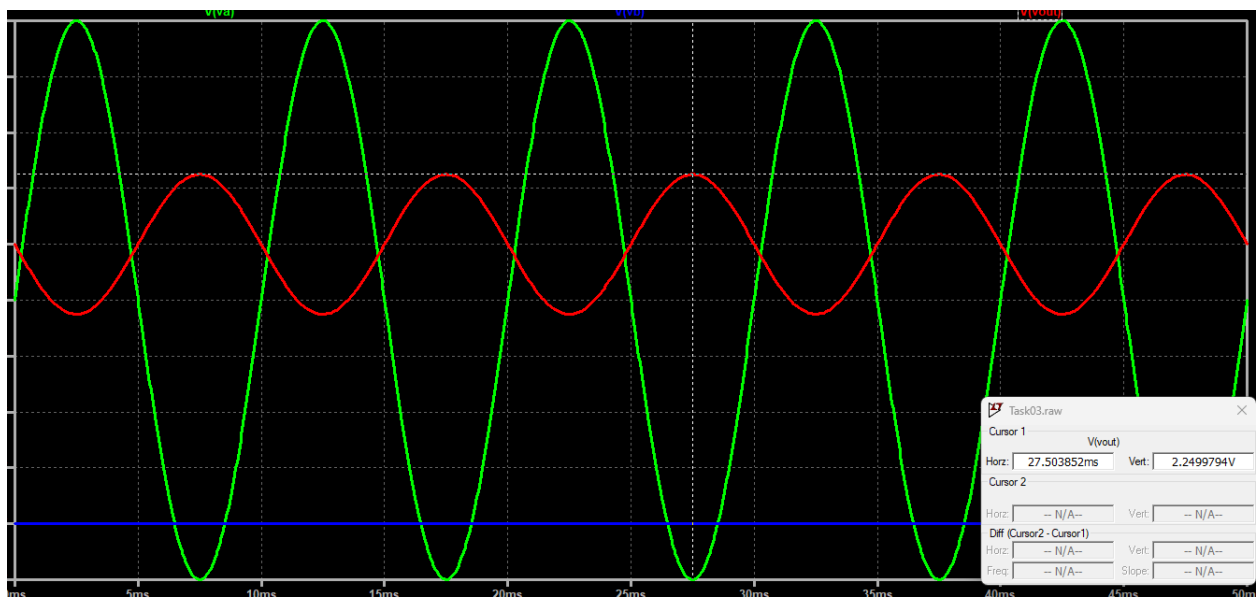
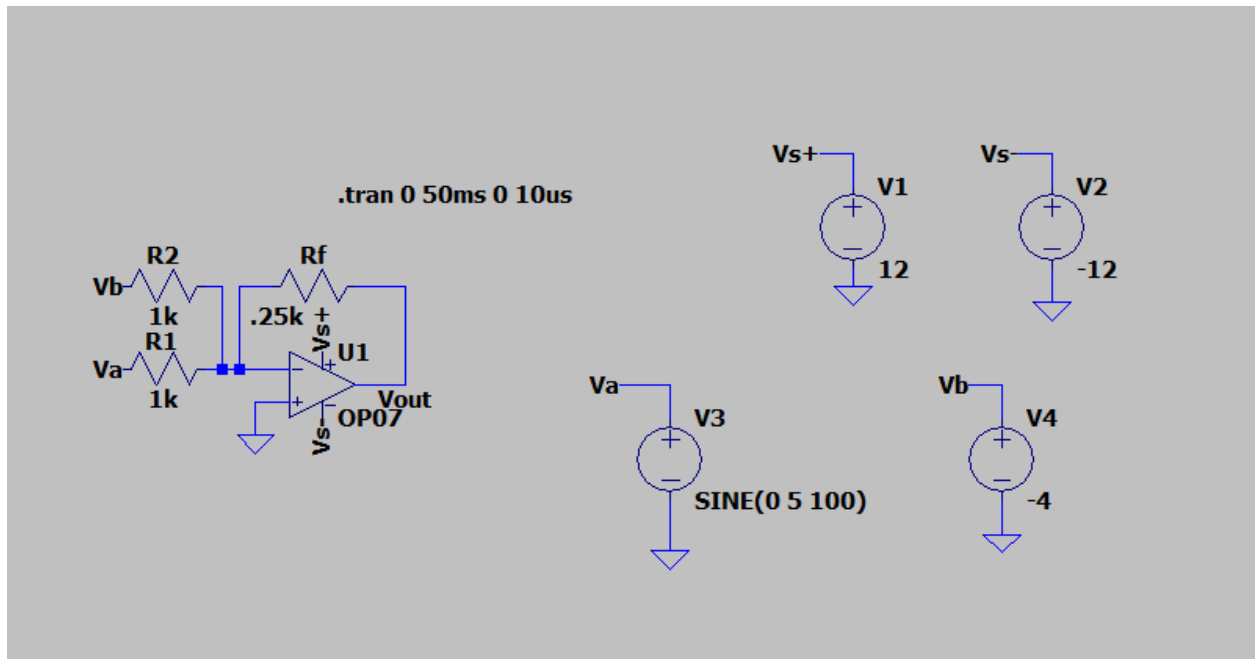
## 2. Non-Inverting Amplifier



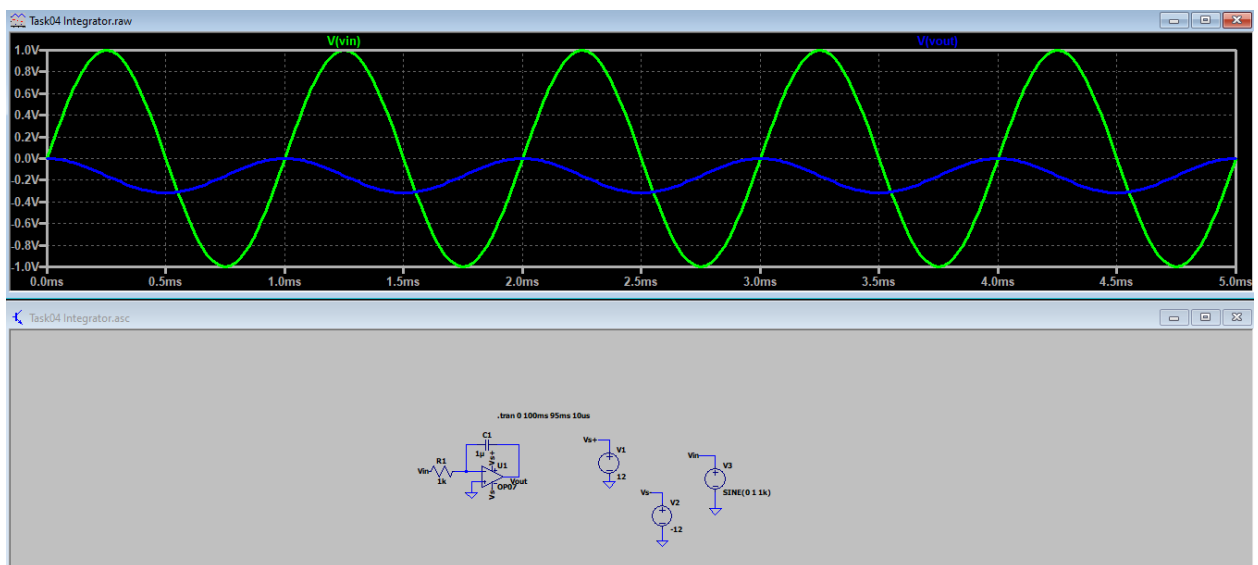
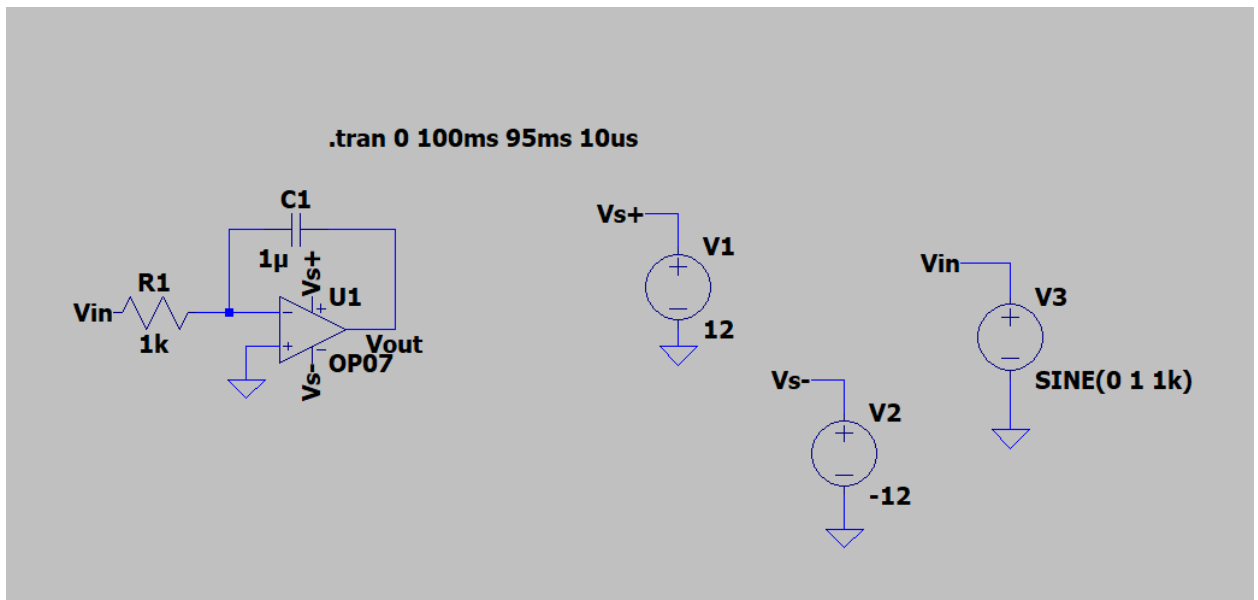
### 3. Inverting Summing Amplifier change the value of $V_b$ and $R_f$



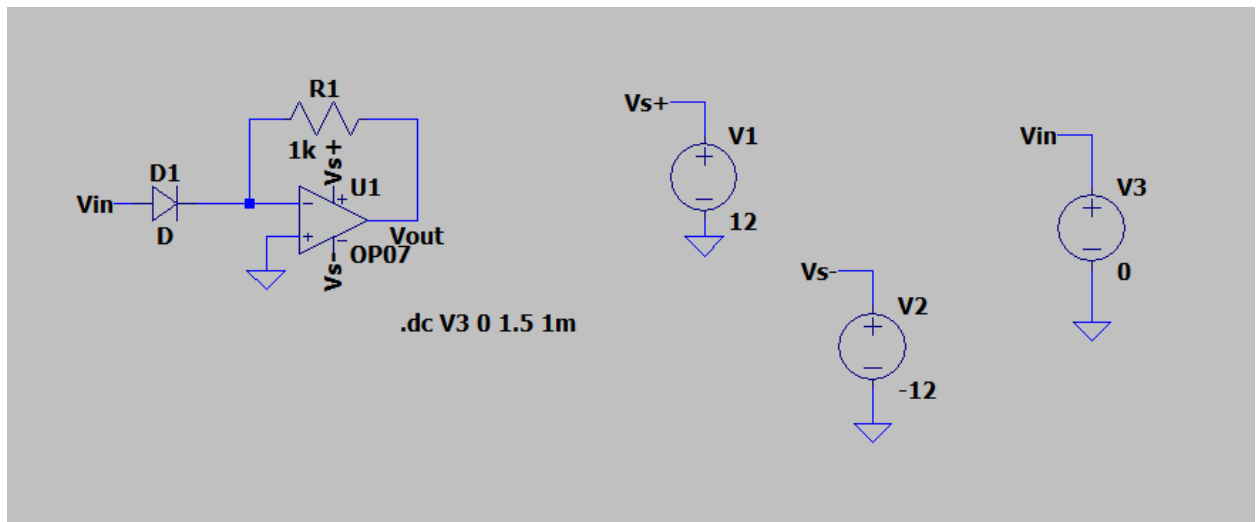


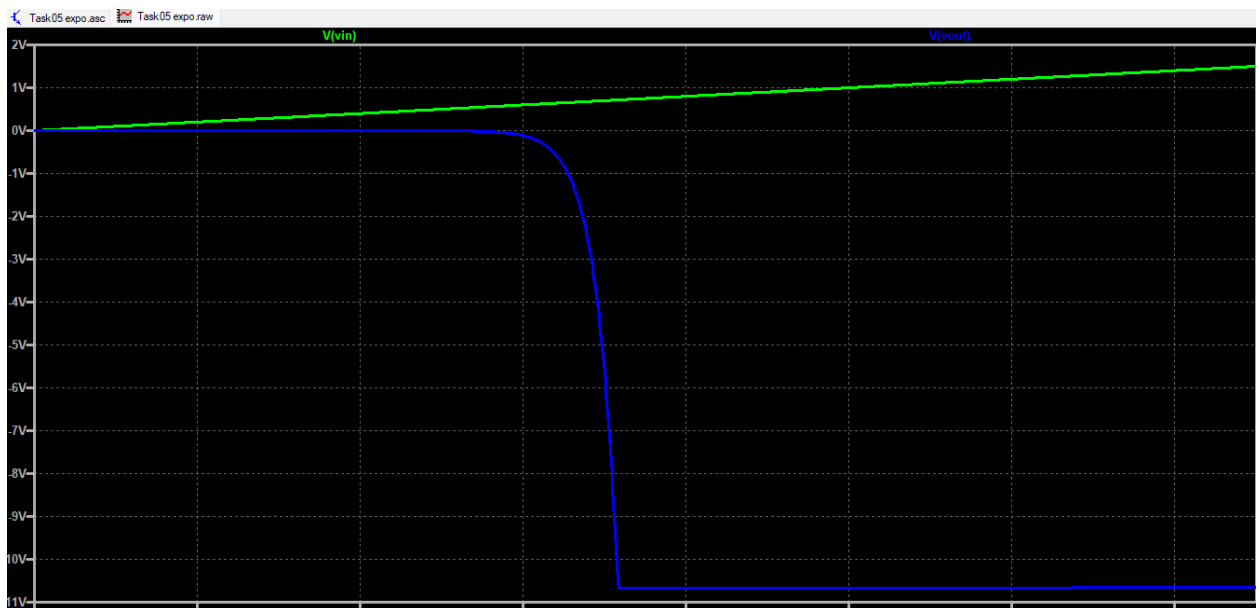
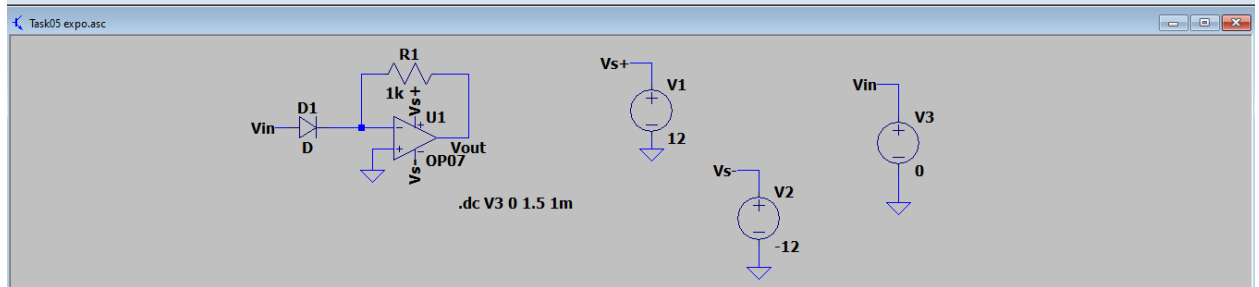
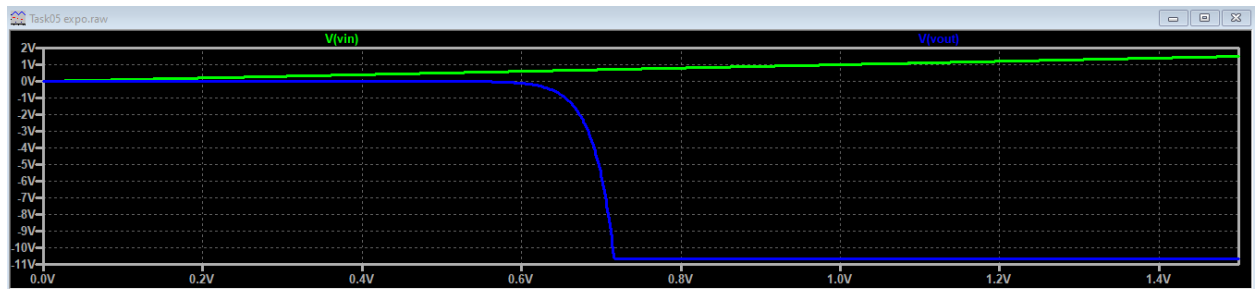


#### 4. Integrator



## 5. Exponential amplifier





## **Discussion:**

- 1. I did not face many issues regarding the homework as it was already shown in the lab; the only issue was that they were a little changed which was comparatively easy to understand.**
- 2. Recreated the files that needed to be done from scratch. Followed all the rules from the given lab sheet and tried to follow the instructions given in the hometasks. Additionally, applying all those instructions to our circuit and graph were easy to comprehend.**
- 3. Furthermore, as we had already done the counterparts of the given tasks ; for which we did not need to change much. Just modified the file and took screenshots attached to this pdf.**