S4 ECB - ANALOG CIRCUITS TUTORIAL-I
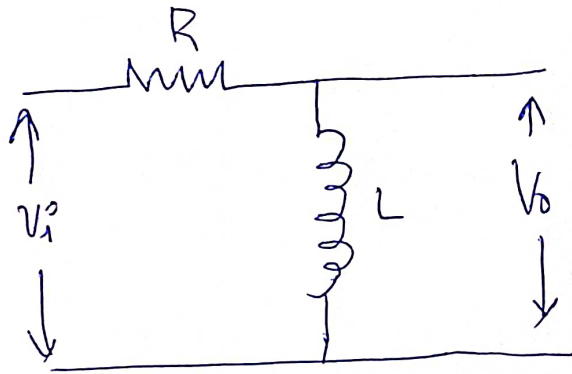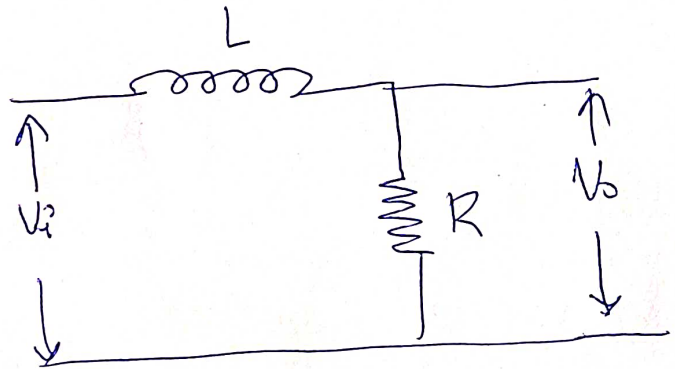
1. Prove that the circuit shown in fig works as Differentiator?

2. Prove that the ckt shown in fig works as Integrator?

3. Design an Integrator ckt to integrate an input square wave of ~~10VEPP~~ $10\,V_{PP}$ with frequency of $1\,KHz$.

4. Design a Differentiator ckt to differentiate a square wave of $10\,V_{PP}$ amplitude & $1\,KHz$ frequency.