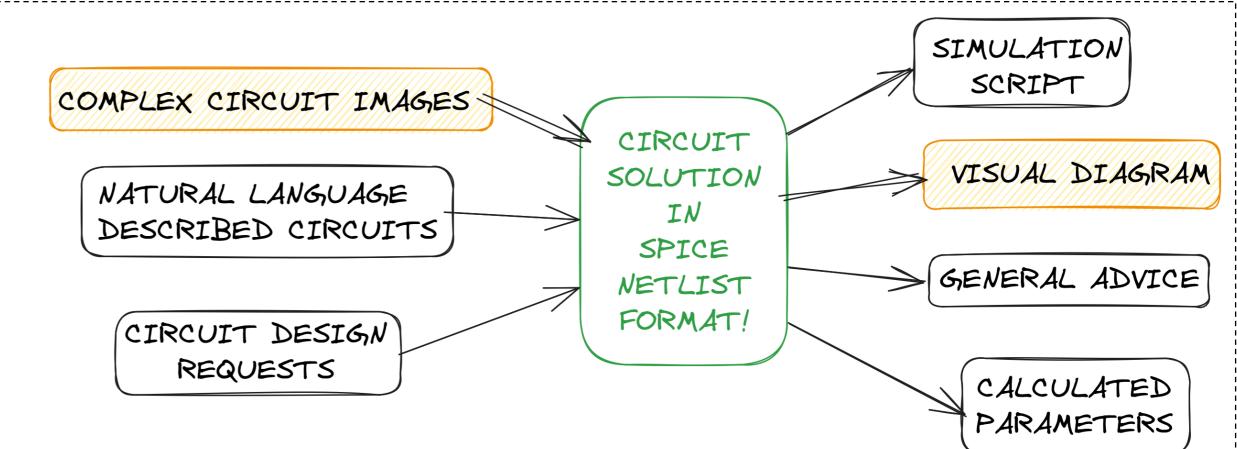
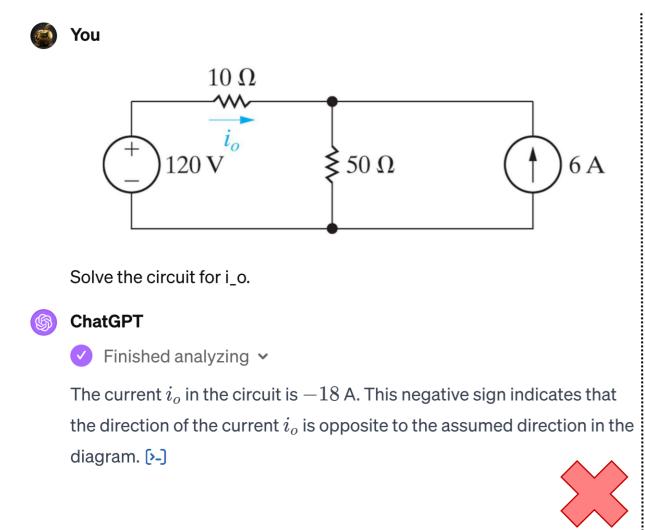
Vision-Text Integrated Generative AI for Accurate Circuit Solutions

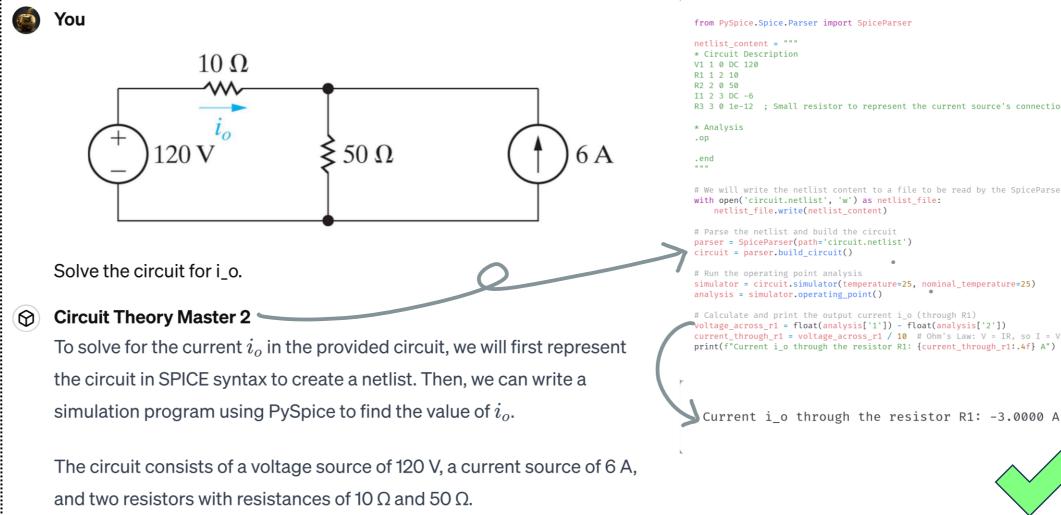
11360109 何承軒 111360128 林晏宇 11360137 許鎧晏 11360138 蔣安聖

Versitile Usage with **Reliable Outputs**

We specifically trained the model to interpret input using a unified format (SPICE) and to compute the answer, rather than merely performing calculations.

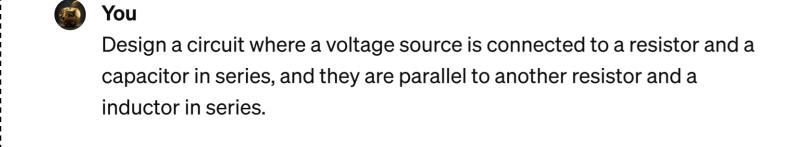




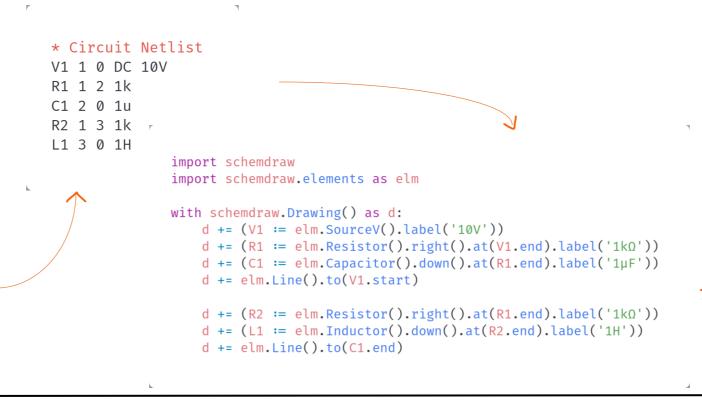


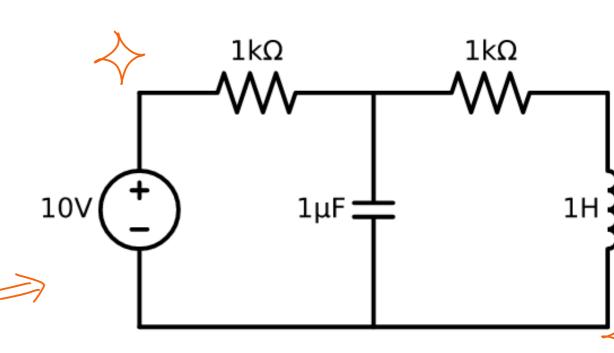
- √ Simple syntax for LLMs to write in
- √ Easy verification of model comprehension
- √ Get accurate answers with simulations
- ✓ Possibility for further modifications

Circuit Diagrams On-The-Fly with chain-of-thought instructions

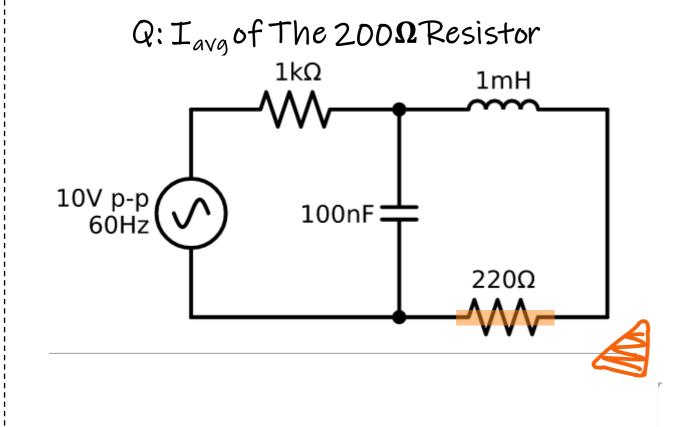


Circuit Theory Master 2 To design the requested circuit, I'll start by creating a SPICE netlist that describes the circuit's components and their connections. After that, I'll provide you with Python code to generate a schematic diagram of the circuit using the `schemdraw` library.

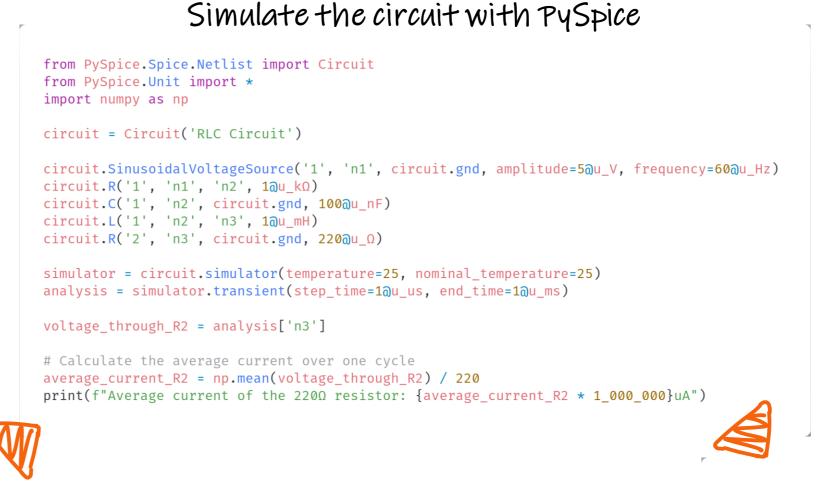




Solve for Complex Circuit Parameters while maintaining precision



V1 n1 0 SIN(0 5 60)



Average current of the 220Ω resistor: 729.1792uA

Break down the circuit by writing a SPICE netlist

R1 n1 n2 1k C1 n2 n3 100n L1 n3 0 1m R2 n2 0 220

Get accurate answers!