Circuits Project
CAD

The input must be wrote in "input.txt" file which attached to the exe program. The first line on the txt must be the omega "w" value WITHOUT ANY other character. Then you have to write the net list as the following:

Element name   first node   second node   value

For example:

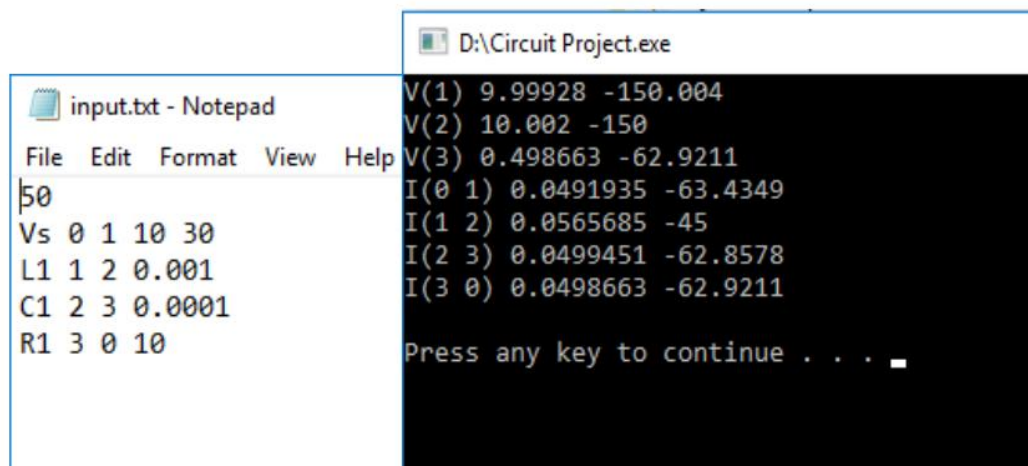Voltages and current sources has names "Vs" and "Is", respectively.

And their value is a magnitude and phase.

Resistors has a name of "Rn", you can replace "n" with any number such that "R1, R2, R3, ...etc." and the its connected two nodes then the value "Resistance".

Capacitors has a name of "Cn", you can replace "n" with any number such that "C1, C2, C3, ...etc." and the its connected two nodes then the value "Capacitance in FARAD".

Inductors has a name of "Ln", you can replace "n" with any number such that "L1, L2, L3, ...etc." and the its connected two nodes then the value "Inductance in HENRY ".

Output will be displayed on the CONSOLE.