343158 – Computer-aided Simulation for Electrical and Electronic Circuits [EP]					
Assignment #4 Node Analysis					
Name No. EP					

<u>Instruction</u>

1. Draw a circuit as shown in Figure 4.1 and save file as **Assignment4_1.sch**. The current source is "idc".

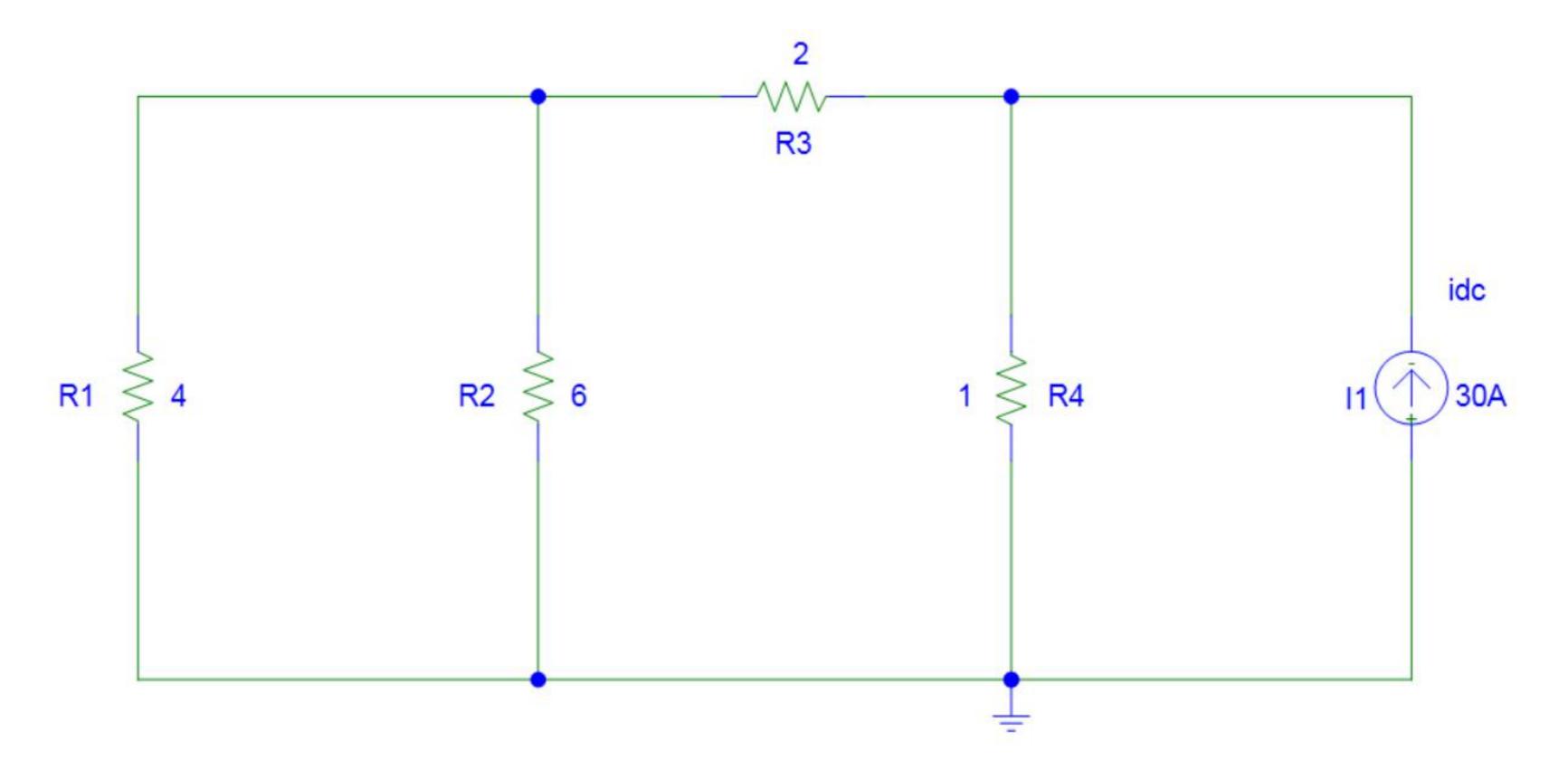


Figure 4.1: Schematic diagram

- 2. Start simulation and observe simulation results.
- 3. Complete the parameters in the Tables.

	Voltage	Values [V]			
V _{R1}	V_{R1} V_{R2} V_{R3} V_{R4}				

Current Values [A]				
I_{R1} I_{R2} I_{R3} I_{R4}				

343158 – Computer-aided Simulation for Electrical and Electronic Circuits [EP]			
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4. Draw a circuit as shown in Figure 4.2 and save file as Assignment4_2.sch.

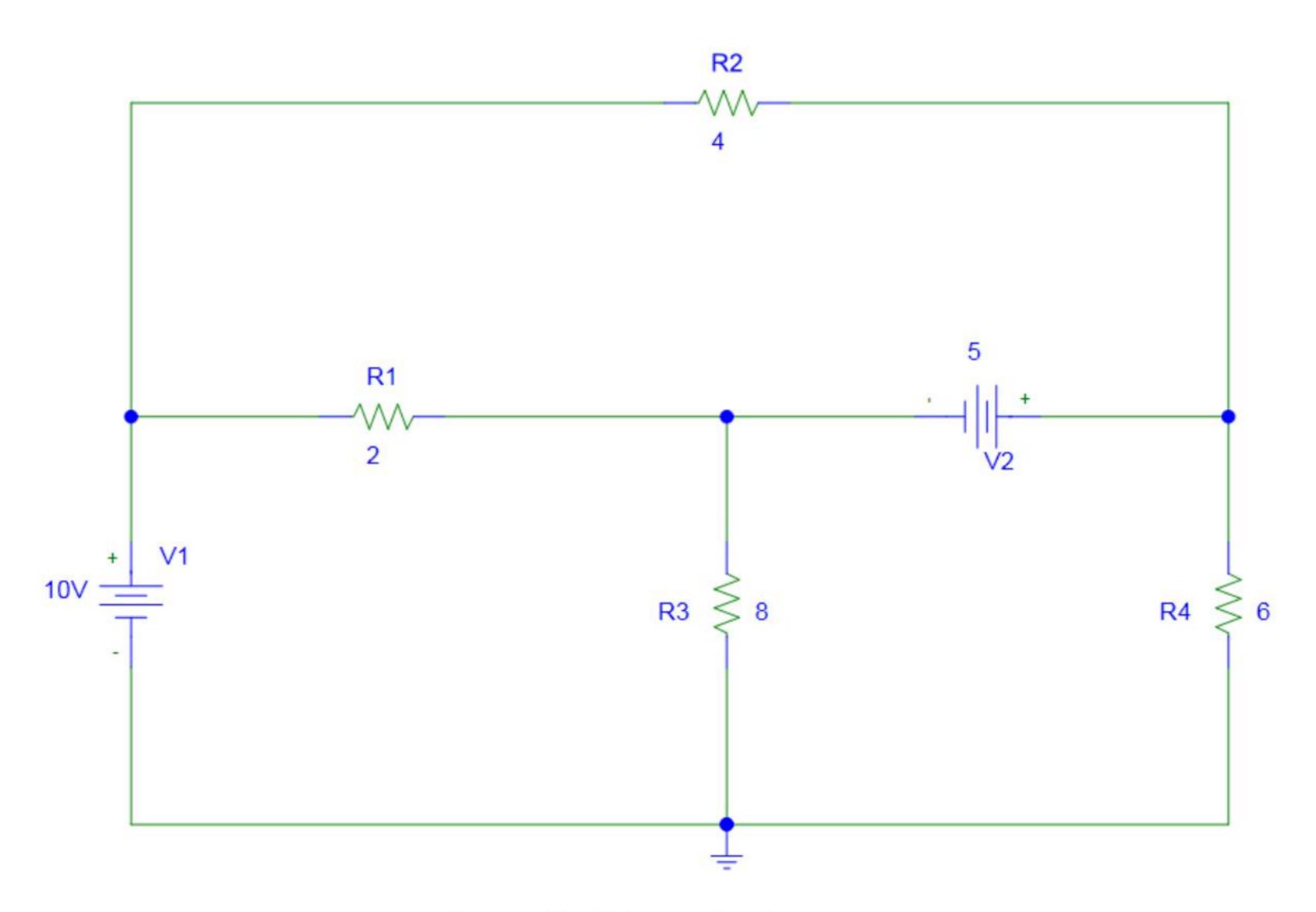


Figure 4.2: Schematic diagram

- 5. Start simulation and observe simulation results.
- 6. Complete the parameters in the Tables.

Voltage Values [V]				
V_{R1} V_{R2} V_{R3} V_{R4}				

Current Values [A]				
I_{R1} I_{R2} I_{R3} I_{R4}				

343158 – Computer-aided Simulation for Electrical and Electronic Circuits [EP]			
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7. Draw a circuit as shown in Figure 4.3 and save file as Assignment4_3.sch.

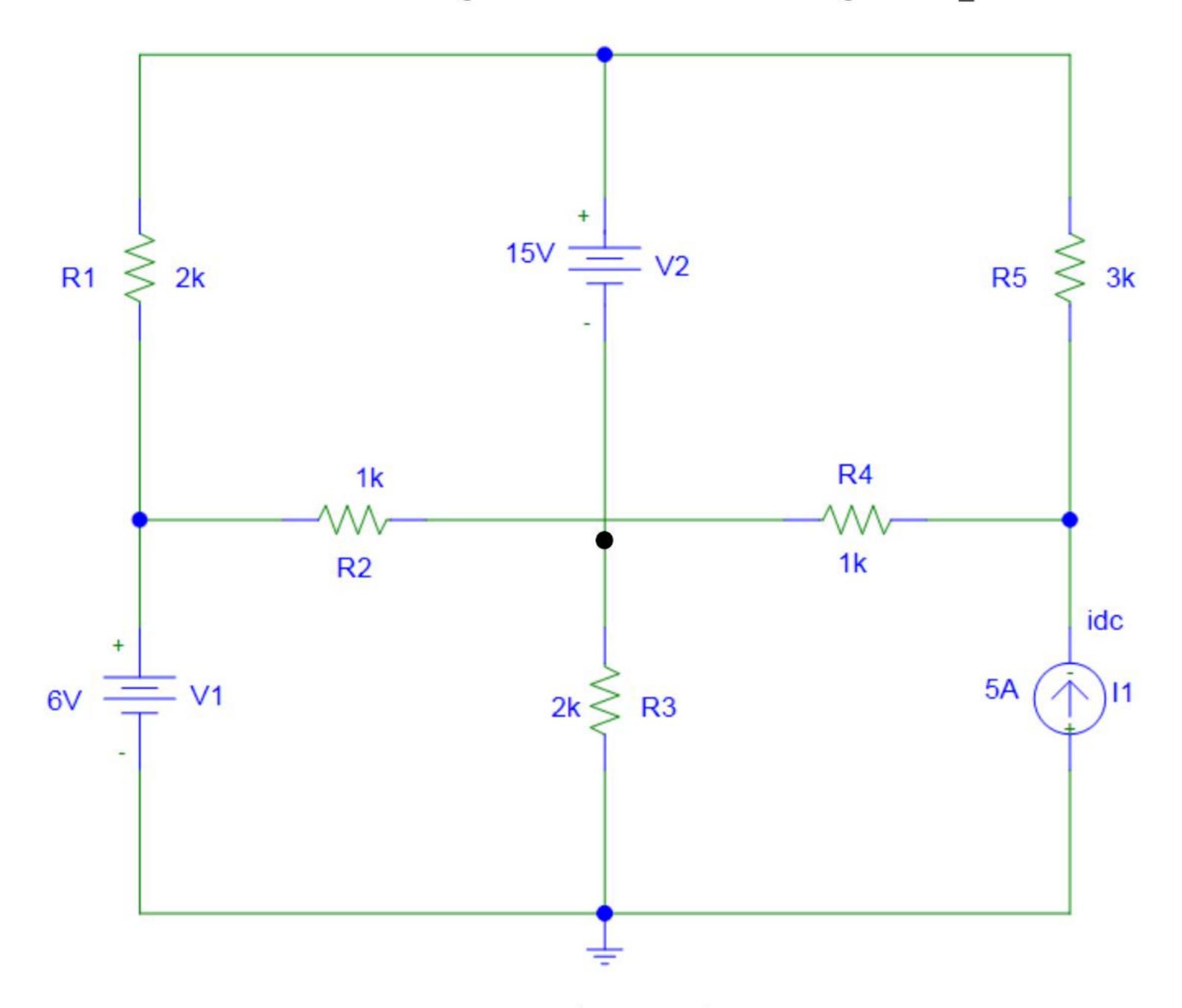


Figure 4.3: Schematic diagram

- 8. Start simulation and observe simulation results.
- 9. Complete the parameters in the Tables.

	Voltage Values [V]				
V _{R1}	V_{R2}	V _{R3}	V_{R4}	V _{R5}	

Current Values [A]				
I_{R1} I_{R2} I_{R3} I_{R4} I_{R5}				