1.1

V(NODE1)   10.00 V
I(R2.nB)   50.00 mA
V(NODE2)   5.000 V
I(R1.nA)   50.00 mA

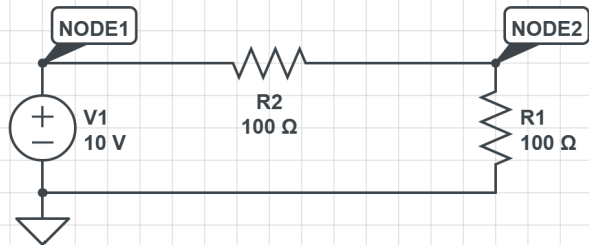+ Add Expression

Export Results...
Run DC Solver

DC Sweep

Time Domain

Frequency Domain

NODE1 —— R2 100 Ω —— NODE2
V1 10 V
R1 100 Ω

1.2

DC

V(NODE1)   10.00 V
I(R2.nB)   33.33 mA
V(NODE2)   6.667 V
I(R1.nA)   33.33 mA
V(NODE3)   3.333 V
I(R3.nA)   33.33 mA
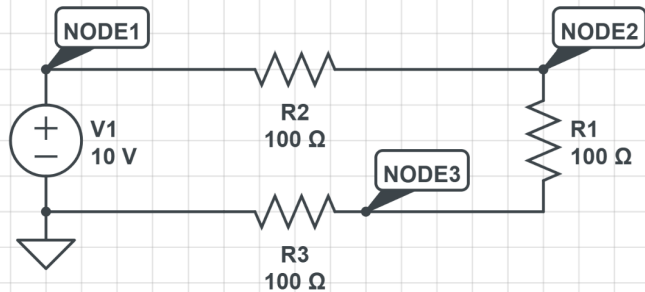V(R3.nB)   0.000 V
I(R3.nB)   -33.33 mA

+ Add Expression

Export Results...
Run DC Solver

DC Sweep

Time Domain

Frequency Domain

NODE1 —— R2 100 Ω —— NODE2
V1 10 V
R1 100 Ω
NODE3
R3 100 Ω

2.1

DC

V(NODE1)   10.00 V
I(V1.nA)   -200.0 mA
I(R3.nB)   100.0 mA
I(R1.nA)   100.0 mA
V(R3.nA)   0.000 V
I(R3.nA)   -100.0 mA
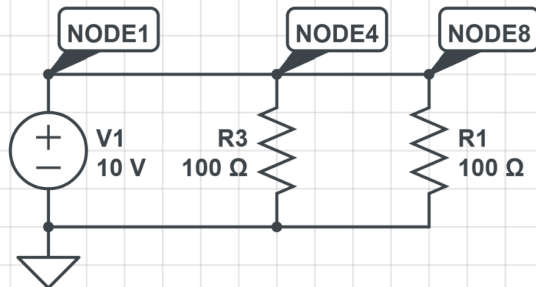V(R1.nB)   0.000 V
I(R1.nB)   -100.0 mA
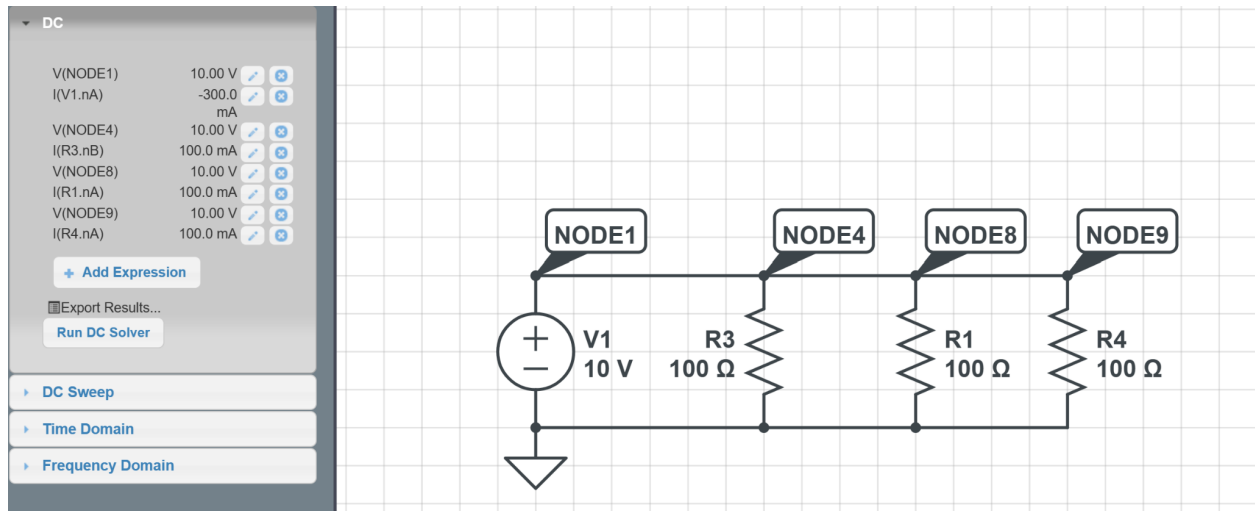
+ Add Expression

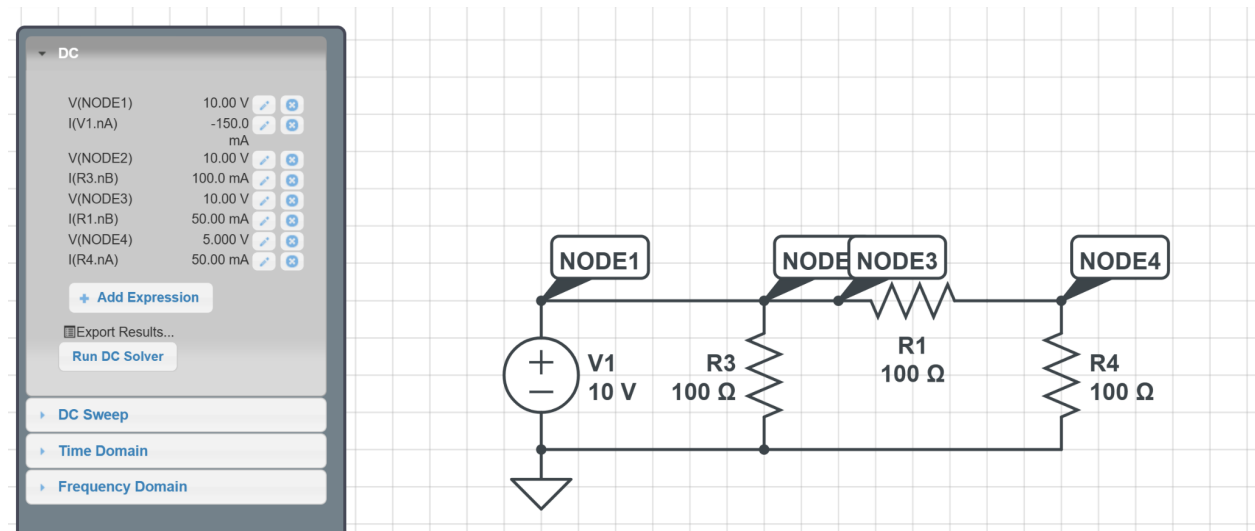Export Results...
Run DC Solver

DC Sweep

Time Domain

Frequency Domain

NODE1 —— NODE4 —— NODE8
V1 10 V
R3 100 Ω
R1 100 Ω

2.2

DC

V(NODE1)	10.00 V	✎ ✕
I(V1.nA)	-300.0 mA	✎ ✕
V(NODE4)	10.00 V	✎ ✕
I(R3.nB)	100.0 mA	✎ ✕
V(NODE8)	10.00 V	✎ ✕
I(R1.nA)	100.0 mA	✎ ✕
V(NODE9)	10.00 V	✎ ✕
I(R4.nA)	100.0 mA	✎ ✕

➕ Add Expression

⊞ Export Results...

Run DC Solver

▸ DC Sweep

▸ Time Domain

▸ Frequency Domain

3.

DC

V(NODE1)	10.00 V	✎ ✕
I(V1.nA)	-150.0 mA	✎ ✕
V(NODE2)	10.00 V	✎ ✕
I(R3.nB)	100.0 mA	✎ ✕
V(NODE3)	10.00 V	✎ ✕
I(R1.nB)	50.00 mA	✎ ✕
V(NODE4)	5.000 V	✎ ✕
I(R4.nA)	50.00 mA	✎ ✕

➕ Add Expression

⊞ Export Results...

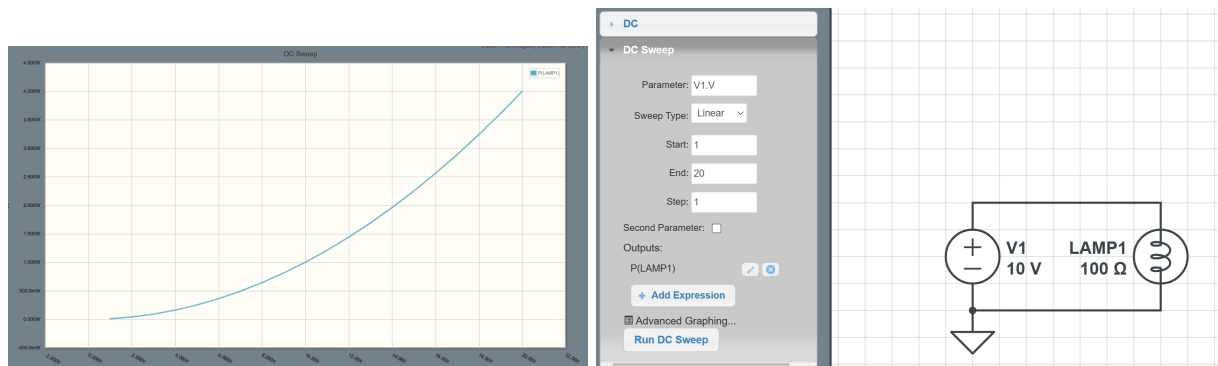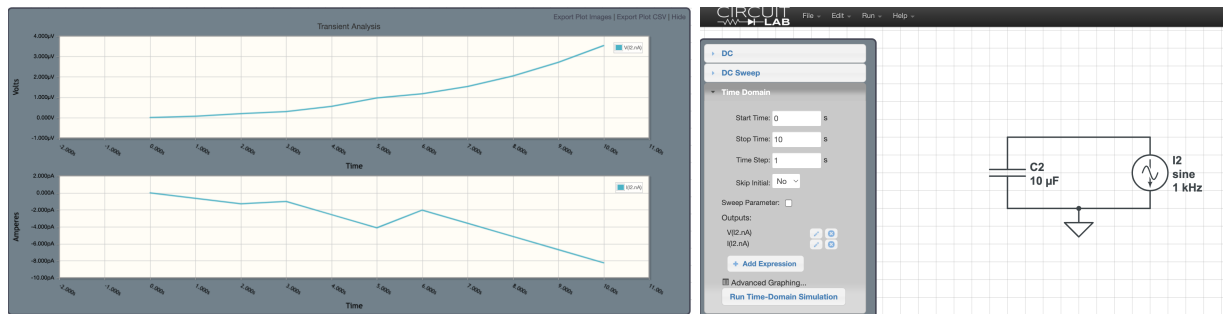**Run DC Solver**

▸ DC Sweep

▸ Time Domain

▸ Frequency Domain

4.

▸ DC

▾ DC Sweep

Parameter: V1.V

Sweep Type: Linear

Start: 1

End: 20

Step: 1

Second Parameter: ☐

Outputs:

P(LAMP1) ✎ ✕

➕ Add Expression

⊞ Advanced Graphing...

Run DC Sweep

5.

Transient Analysis   Export Plot Images | Export Plot CSV | Hide

Volts

V(I2.nA)

Time

Amperes

I(I2.nA)

Time

DC

DC Sweep

Time Domain

Start Time: 0   s

Stop Time: 10   s

Time Step: 1   s

Skip Initial: No

Sweep Parameter:

Outputs:
V(I2.nA)
I(I2.nA)

+ Add Expression

Advanced Graphing...

Run Time-Domain Simulation

C2
10 µF

I2
sine
1 kHz

6.

Transient Analysis   Export Plot Images | Export Plot CSV | Hide

Volts

V(NODE1)
V(NODE2)

Time

Amperes

I(R1.nB)
I(R1.nA)

Time

DC

DC Sweep

Time Domain

Start Time: 0.999   s

Stop Time: 1.001   s

Time Step: .00001   s

Skip Initial: No

Sweep Parameter:

Outputs:
V(NODE1)
I(R1.nB)
V(NODE2)
I(R1.nA)

+ Add Expression

NODE1   NODE2

V1
1 s

R1
100 Ω

C1
1 µF