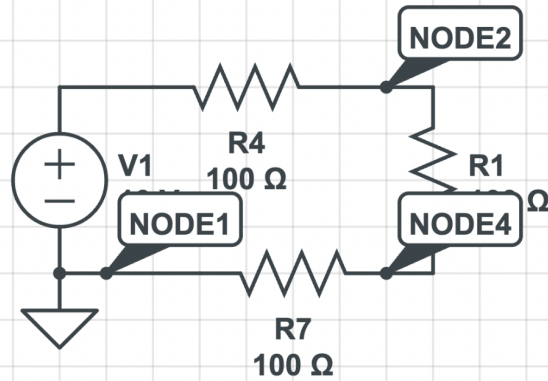


1.

DC

V(NODE1)	0.000 V	<input type="text"/>	<input type="button" value="⌵"/>	<input type="button" value="⌶"/>
I(V1.nA)	-33.33 mA	<input type="text"/>	<input type="button" value="⌵"/>	<input type="button" value="⌶"/>
I(R1.nA)	33.33 mA	<input type="text"/>	<input type="button" value="⌵"/>	<input type="button" value="⌶"/>
V(R1.nB)	3.333 V	<input type="text"/>	<input type="button" value="⌵"/>	<input type="button" value="⌶"/>
I(R1.nB)	-33.33 mA	<input type="text"/>	<input type="button" value="⌵"/>	<input type="button" value="⌶"/>
V(V1.nB)	0.000 V	<input type="text"/>	<input type="button" value="⌵"/>	<input type="button" value="⌶"/>
I(V1.nB)	33.33 mA	<input type="text"/>	<input type="button" value="⌵"/>	<input type="button" value="⌶"/>
P(R1)	111.1 mW	<input type="text"/>	<input type="button" value="⌵"/>	<input type="button" value="⌶"/>
V(NODE2)	6.667 V	<input type="text"/>	<input type="button" value="⌵"/>	<input type="button" value="⌶"/>
V(NODE4)	3.333 V	<input type="text"/>	<input type="button" value="⌵"/>	<input type="button" value="⌶"/>
I(R7.nA)	33.33 mA	<input type="text"/>	<input type="button" value="⌵"/>	<input type="button" value="⌶"/>
V(V1.nA)	10.00 V	<input type="text"/>	<input type="button" value="⌵"/>	<input type="button" value="⌶"/>

☐ Export Results...



2.

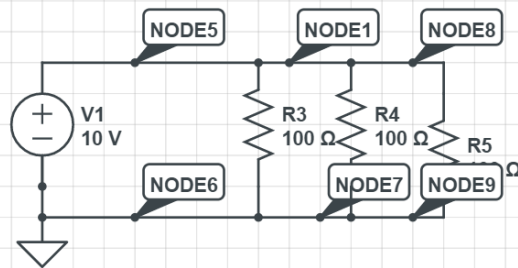
DC

V(NODE5)	10.00 V	<input type="text"/>	<input type="button" value="⌵"/>	<input type="button" value="⌶"/>
V(NODE1)	10.00 V	<input type="text"/>	<input type="button" value="⌵"/>	<input type="button" value="⌶"/>
V(NODE6)	0.000 V	<input type="text"/>	<input type="button" value="⌵"/>	<input type="button" value="⌶"/>
V(NODE7)	N/A	<input type="text"/>	<input type="button" value="⌵"/>	<input type="button" value="⌶"/>
I(V1.nA)	-300.0 mA	<input type="text"/>	<input type="button" value="⌵"/>	<input type="button" value="⌶"/>
I(R3.nA)	100.0 mA	<input type="text"/>	<input type="button" value="⌵"/>	<input type="button" value="⌶"/>
I(R4.nA)	100.0 mA	<input type="text"/>	<input type="button" value="⌵"/>	<input type="button" value="⌶"/>
I(V1.nB)	300.0 mA	<input type="text"/>	<input type="button" value="⌵"/>	<input type="button" value="⌶"/>
V(NODE8)	10.00 V	<input type="text"/>	<input type="button" value="⌵"/>	<input type="button" value="⌶"/>
V(NODE9)	N/A	<input type="text"/>	<input type="button" value="⌵"/>	<input type="button" value="⌶"/>
I(R5.nB)	-100.0 mA	<input type="text"/>	<input type="button" value="⌵"/>	<input type="button" value="⌶"/>
I(R5.nA)	100.0 mA	<input type="text"/>	<input type="button" value="⌵"/>	<input type="button" value="⌶"/>

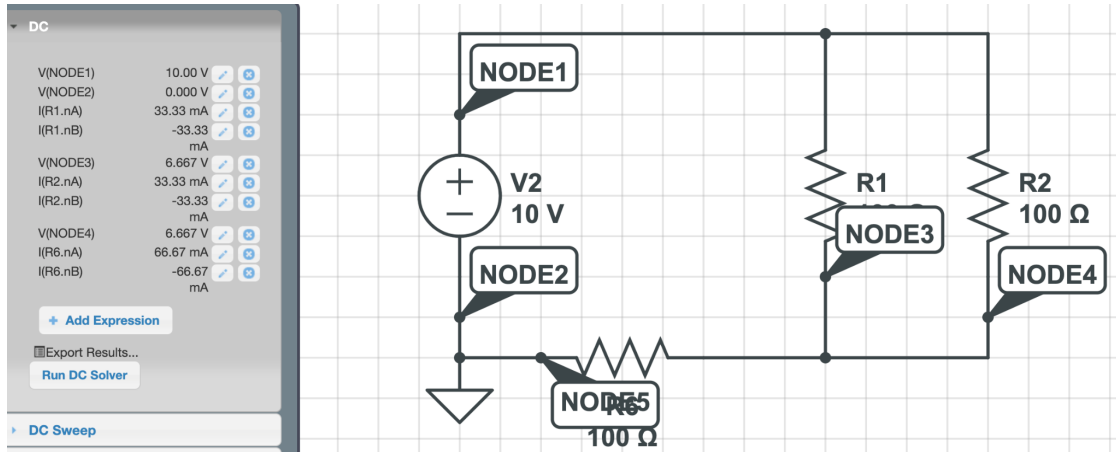
☐ Export Results...

DC Sweep

Time Domain



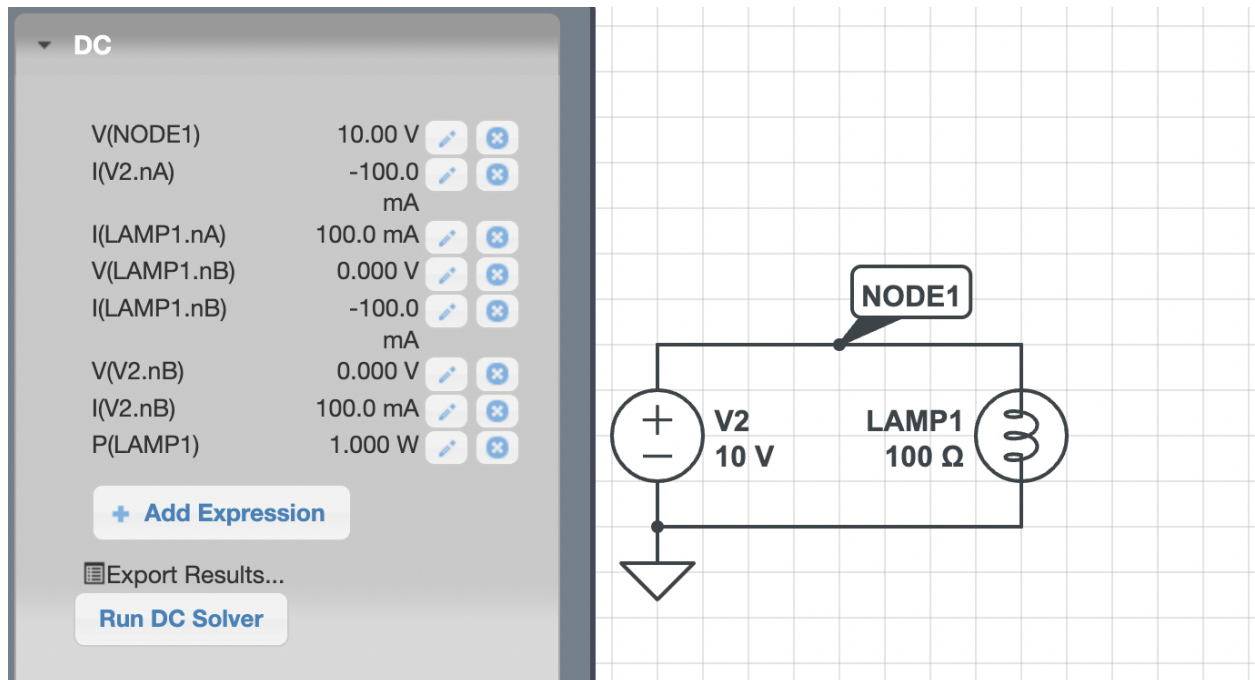
When a third resistor is connected in parallel, the voltage across each resistor stays the same and the current drops.

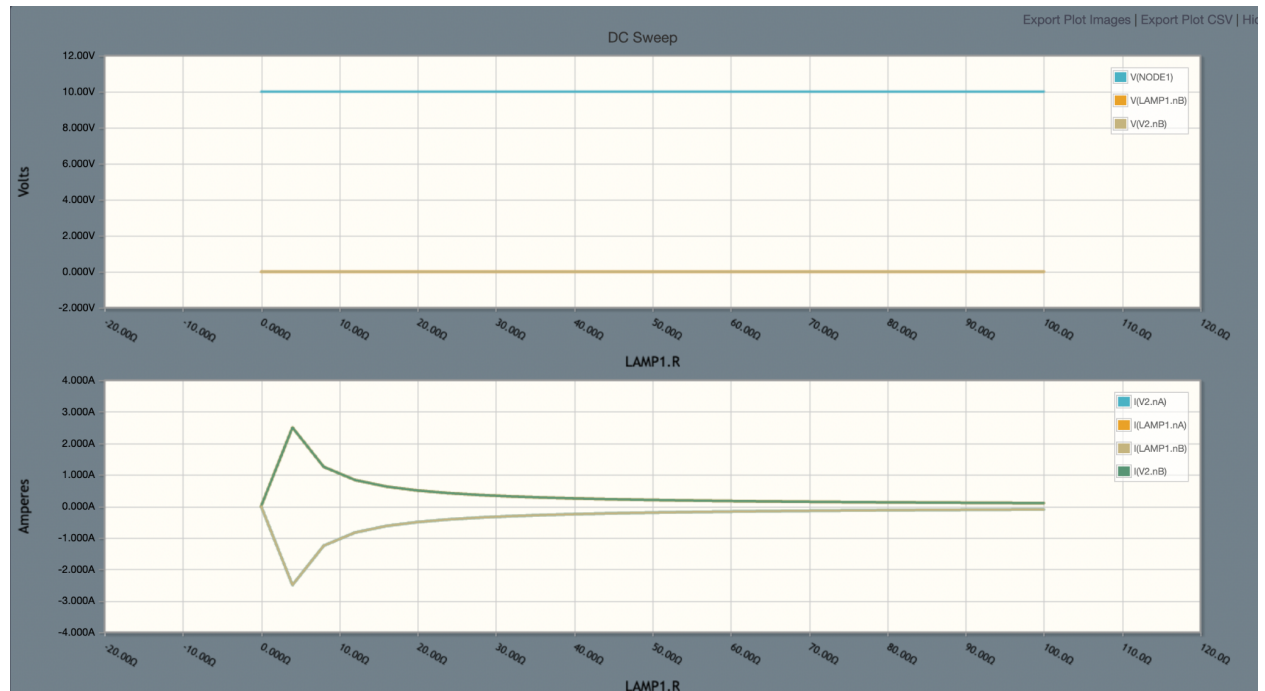


3.

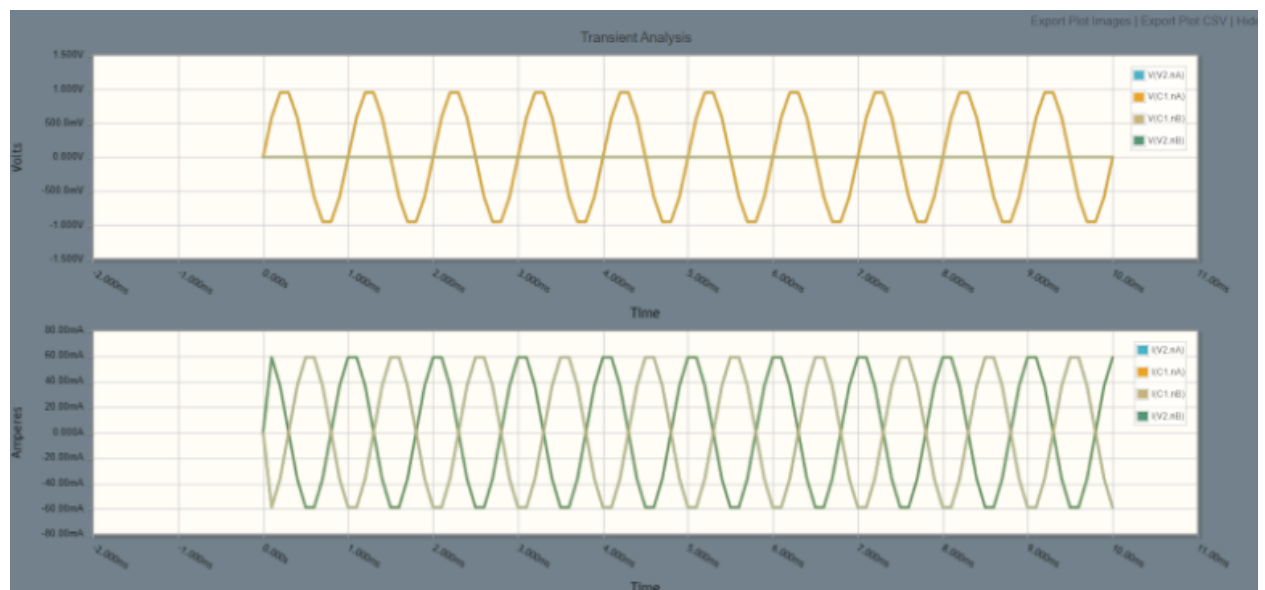
They have the exact same input and output voltages. The current through the last resistor is double that of the resistors in series

4. Power = Voltage times Current $10V \cdot (10V/100\Omega) = 1.0 \text{ Watts}$

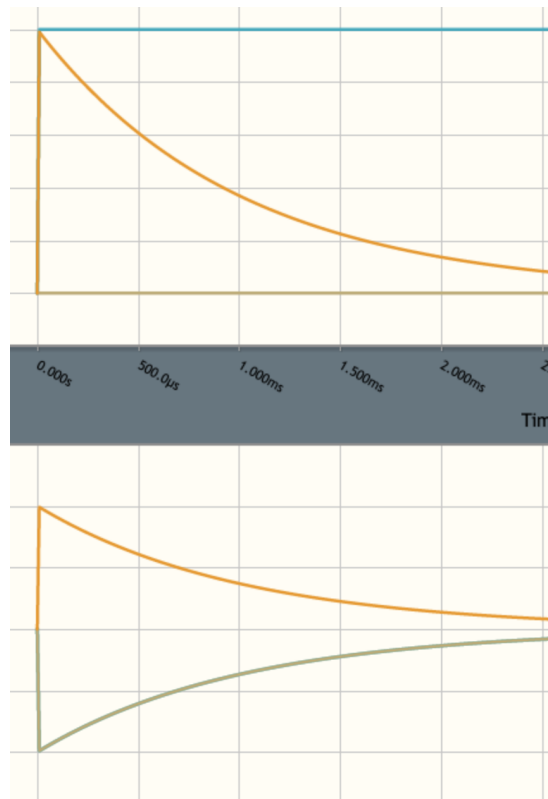
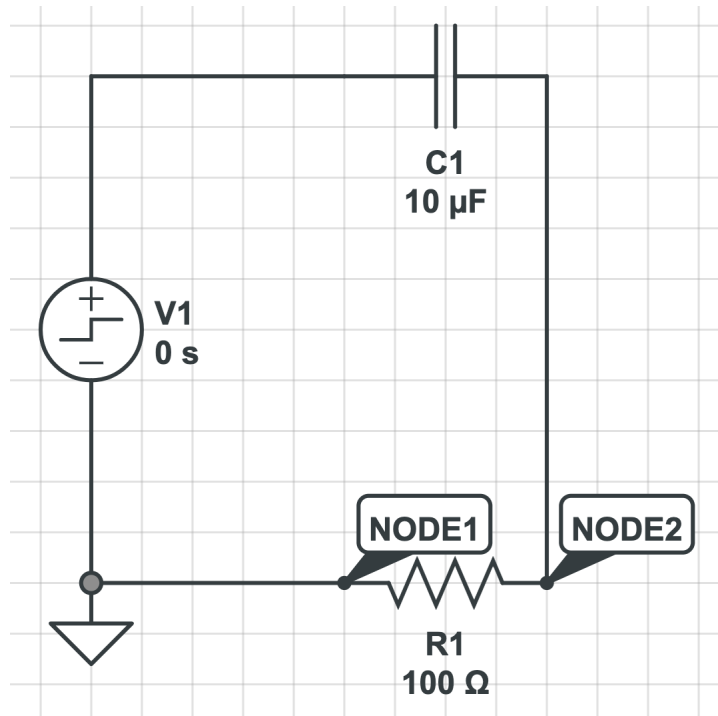




5.

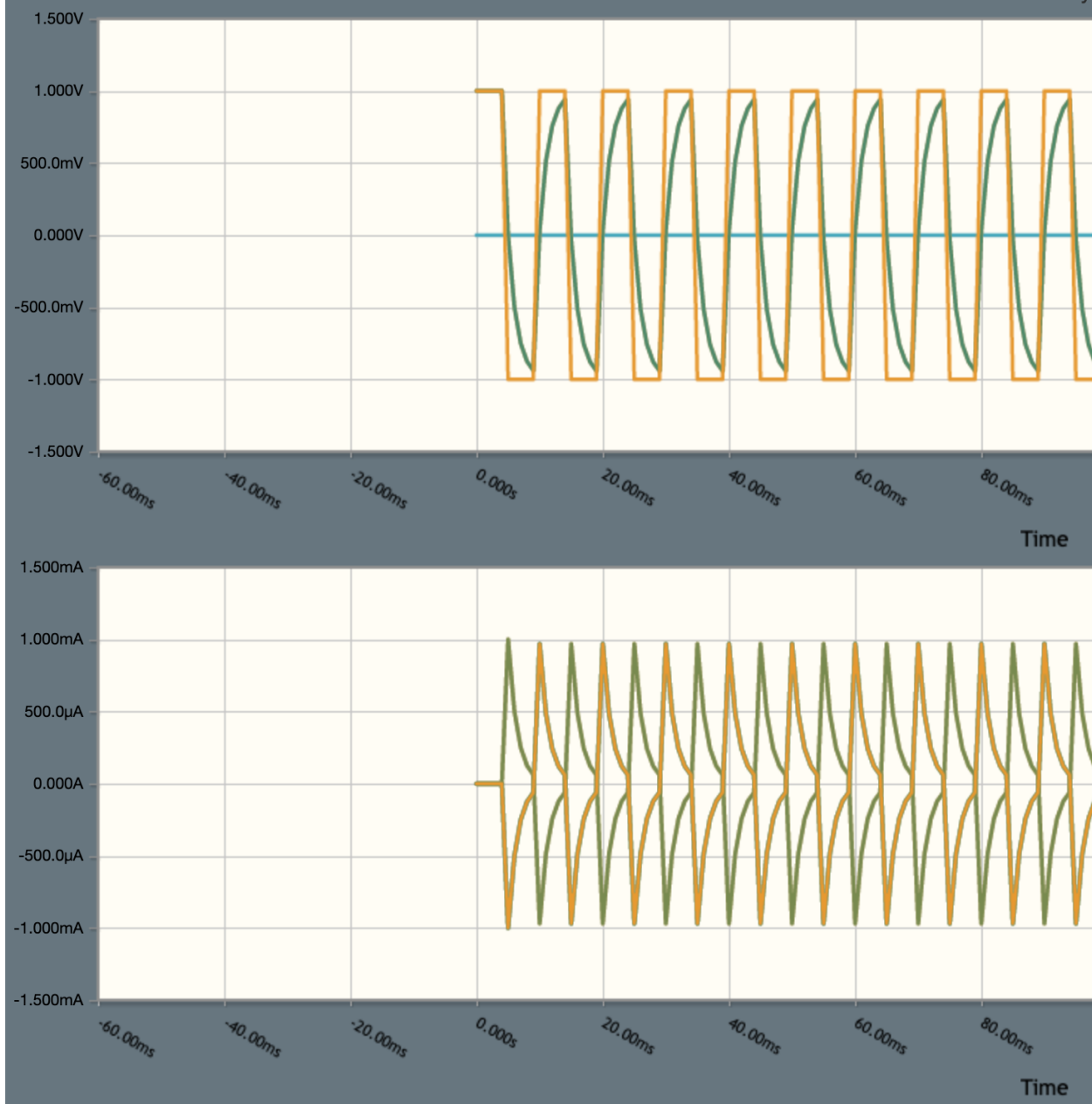


6.



7.

Transient Analysis



V(NODE1)	1.000 V		
I(V1.nA)	0.000 A		
I(R1.nB)	0.000 A		
V(R1.nA)	1.000 V		
I(R1.nA)	0.000 A		
V(C1.nA)	1.000 V		
I(C1.nA)	0.000 A		
V(NODE2)	0.000 V		
I(C1.nB)	0.000 A		
I(V1.nB)	0.000 A		

Add Expression

Export Results...

Run DC Solver

DC Sweep

Time Domain

Frequency Domain

