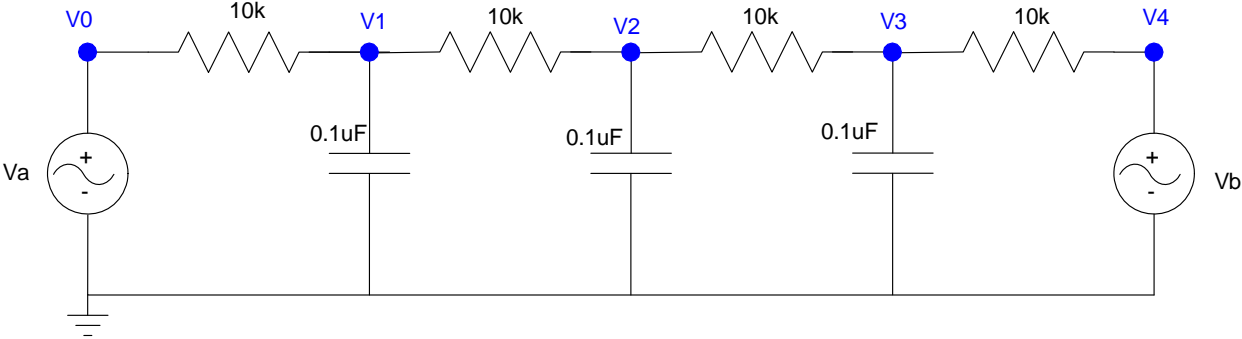


# EE 206: Lab #11

## Superposition with Phasors

Build the following circuit



- 1) Measure V0 .. V4 (amplitude and phase) with
  - $V_a = 5 \cos(628t)$       *5Vp, 100Hz sine wave*
  - $V_b = 0V$
- 2) Measure V0 .. V4 (amplitude) with
  - $V_a = 0V$
  - $V_b = 5$       *5V DC signal*
- 3) Measure V0 .. V4 (amplitude and phase) with
  - $V_a = 5 \cos(628t)$
  - $V_b = 5$

Do the results add up?

	$V_a = 5 \cos(628t)$ $V_b = 0V$	$V_a = 0V$ $V_b = 5$	$V_a = 5 \cos(628t)$ $V_b = 5$
V0			
V1			
V2			
V3			
V4			