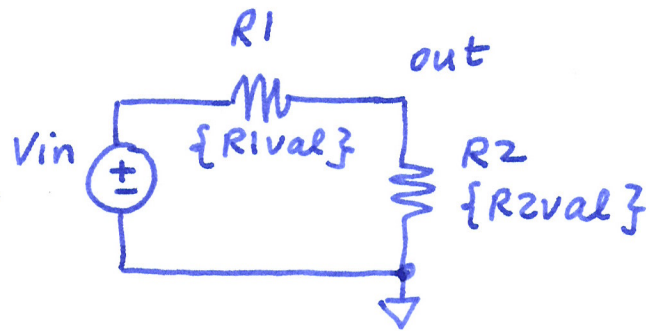


Example #3 - "parameterized" voltage divider



	R1val = 4K; 6K	
	R2val = 6K; 10K	
	↓	
step 0	R1	R2
	4K	6K
step 1	6K	6K
step 2	4K	10K
step 3	6K	10K

- use a sin wave for V_{in}
- parameterized values for R_1 and R_2

$$\hat{V}_{in} = 1V \quad \hat{V}_{out} = \frac{\hat{V}_{in}}{R_1 + R_2} \cdot R_2 = 0.5V \quad \leftarrow \text{step 1}$$

$$R_1 = 6K$$
$$R_2 = 6K$$

$$\hat{V}_{in} = 1V \quad \hat{V}_{out} = \frac{\hat{V}_{in}}{R_1 + R_2} \cdot R_2 = 0.6V \quad \leftarrow \text{step 0}$$

$$R_1 = 4K$$
$$R_2 = 6K$$

and so on ...