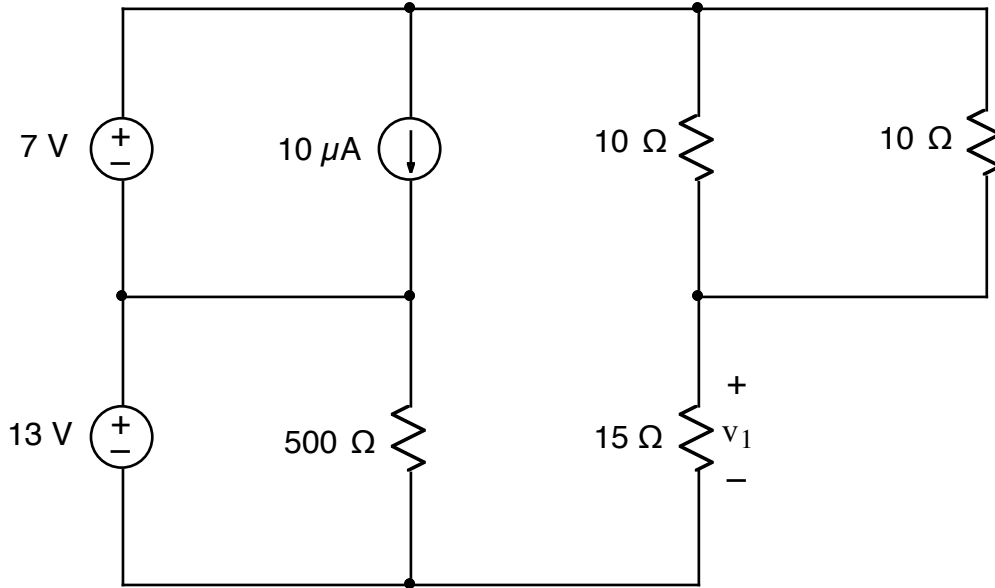


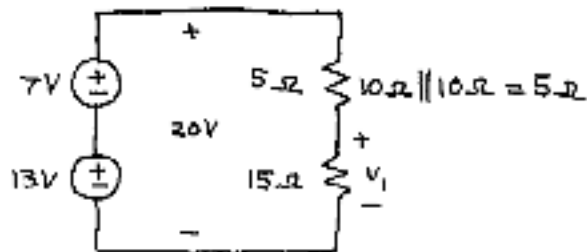
Ex:



Calculate v_1 .

SOL'N:

Taking a v-loop around the outside of the circuit reveals a voltage divider:



$$V_1 = 20V \cdot \frac{15\Omega}{5\Omega + 15\Omega} = 20V \cdot \frac{3}{4} = 15V$$