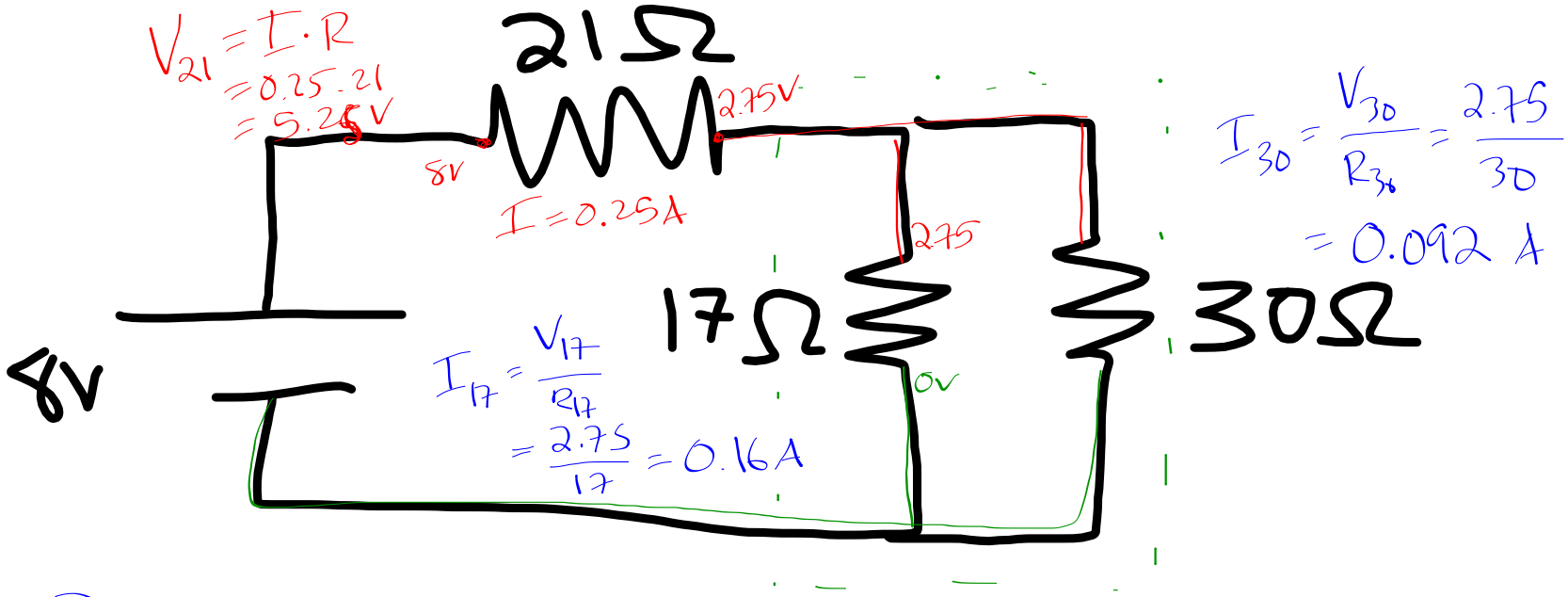
START FRIDAY . . . run into Tuesday?

- SOLVE CIRCUITS → find I, V through each component & path given power supply voltage & resistance

- Use the meter to measure R, I, V of real circuits & components

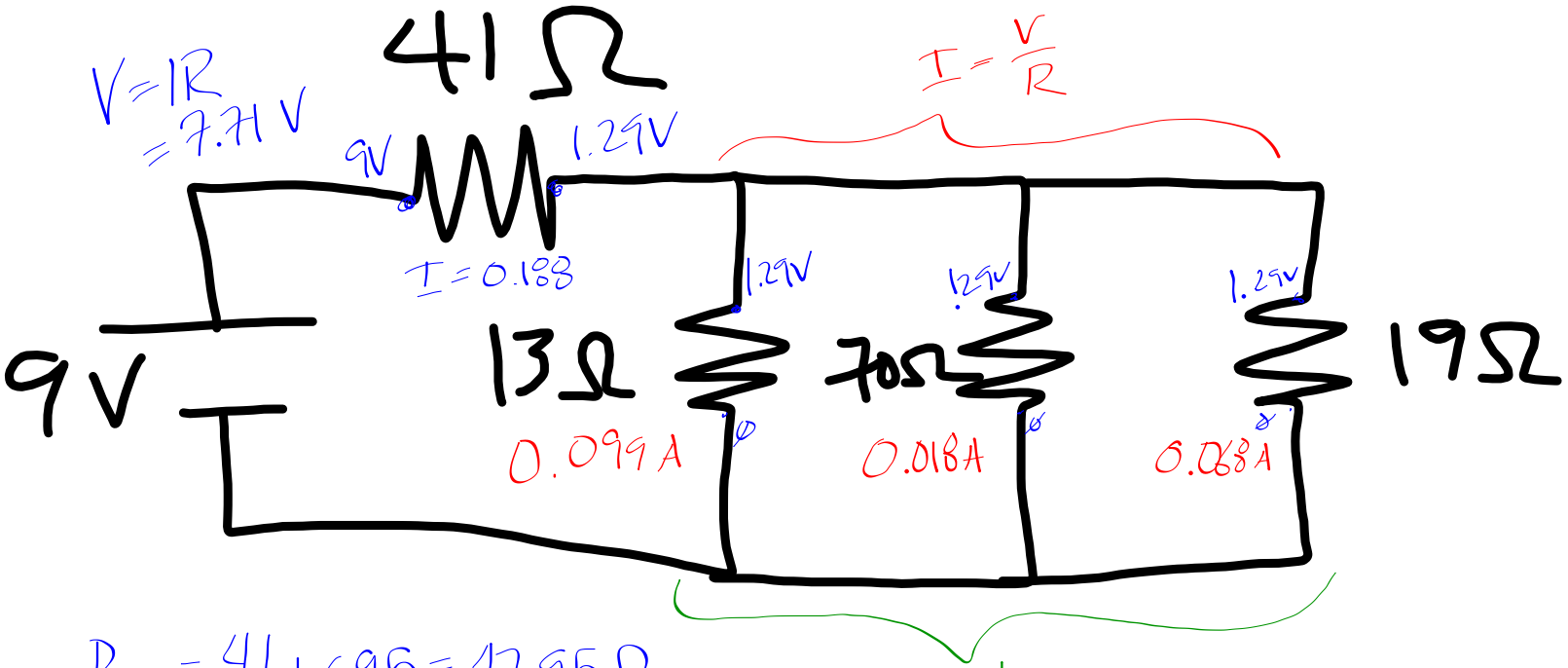


$R_{TOT} = 21\Omega + 10.9\Omega$

$= 31.9\Omega$

$R_{eq} = \frac{1}{\frac{1}{17} + \frac{1}{30}} = 10.9\Omega$

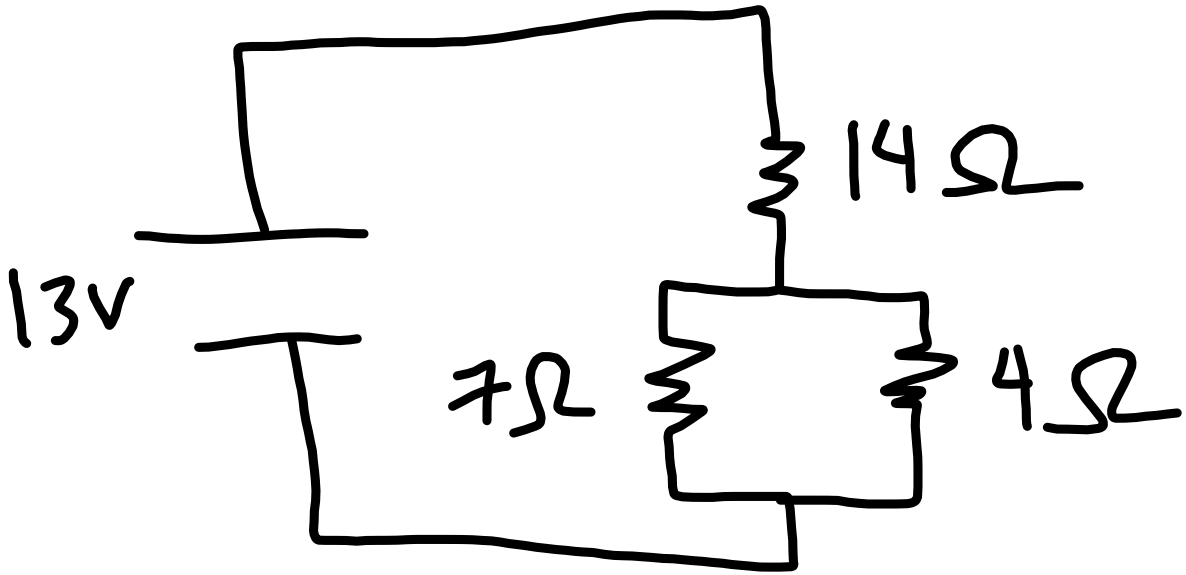
$I_{TOT} = \frac{V_{TOT}}{R_{TOT}} = \frac{8V}{31.9\Omega} = 0.25\ A$

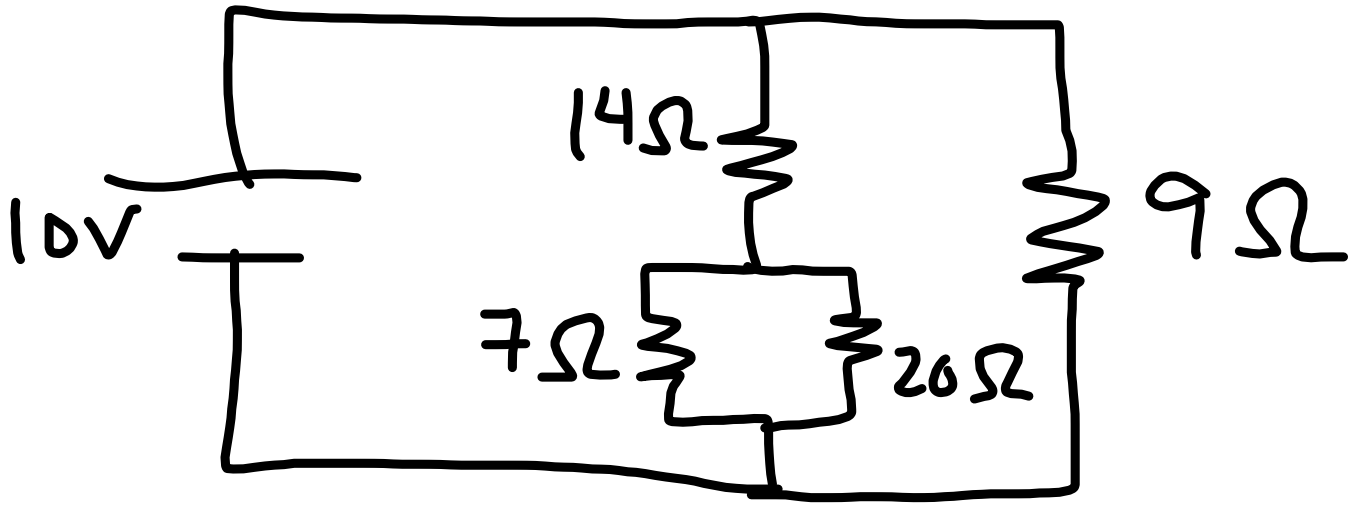


$R_{TOT} = 41 + 6.95 = 47.95\Omega$

$I_{TOT} = \frac{V}{R} = 0.188\,A$

$R_{eq} = \frac{1}{\frac{1}{13} + \frac{1}{70} + \frac{1}{19}} = 6.95\Omega$


14 Ω
13V
7Ω
4Ω


14Ω
10V
9Ω
7Ω
20Ω