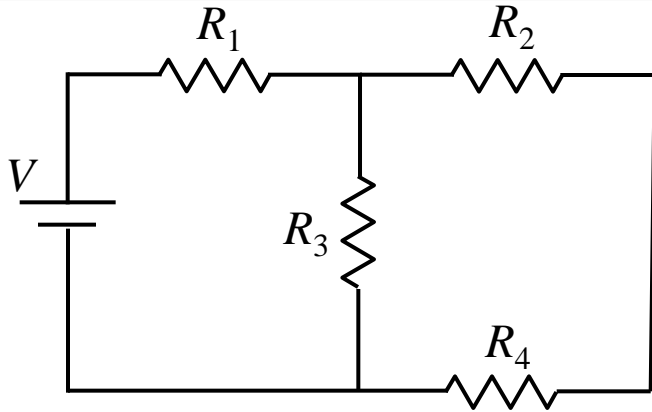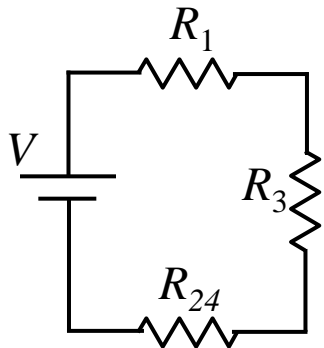# *Calculation*

In the circuit shown: $V = 18V$,

$R_1 = 1\Omega$, $R_2 = 2\Omega$, $R_3 = 3\Omega$, and $R_4 = 4\Omega$.
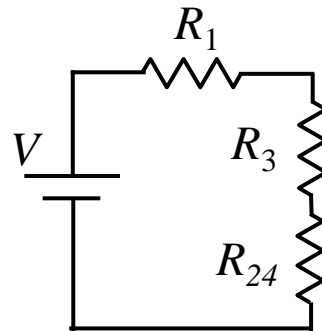
What is V_2, the voltage across R_2?

R_2 and R_4 are connected in series (R_{24}) which is connected in parallel with R_3

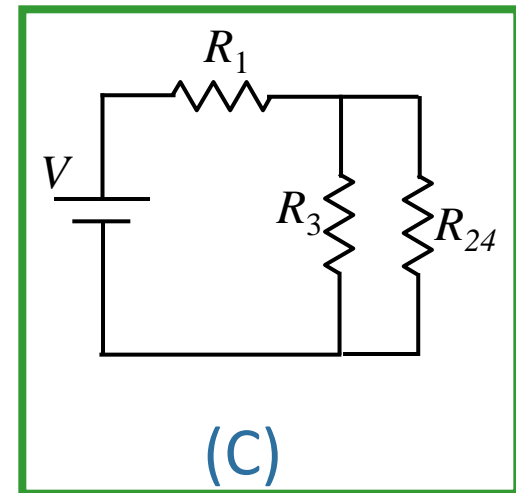Redraw the circuit using the equivalent resistor R_{24} = series combination of R_2 and R_4.

(A)   (B)   (C)