

Solución de Sistemas de Ecuaciones Lineales

ngrese los coeficientes del sistema en las celdas y deje los campos en blanco si las variables no participan en la ecuación.

El sistema de ecuaciones:

Solución por el Método de Gauss

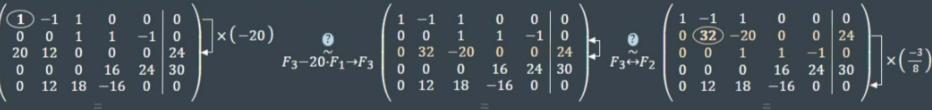
Resolver

Mostrar números decimales

Limpiar

La solución por el método de Gauss





$$F_3-20$$
 F_3-20

$$F_3 \overset{\bullet}{\leftrightarrow} F_2$$

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$$F_3 \stackrel{\sim}{\leftrightarrow} F_2 \left(\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \end{array}\right)$$

$$\left[\times \left(\frac{-3}{8} \right) \right]_{F_5 - \left(\frac{3}{8} \right) \cdot F_2 \to R}$$

La respuesta:

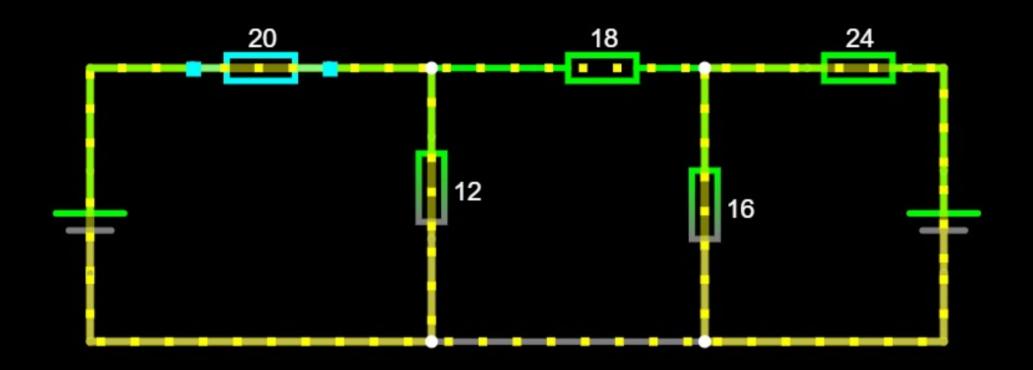
$$x_1 = \frac{28}{394}$$

$$x_2 = \frac{17}{100}$$

$$x_3 = \frac{17}{100}$$

$$x_4 = \frac{156}{367}$$

$$x_5 = \frac{367}{468}$$



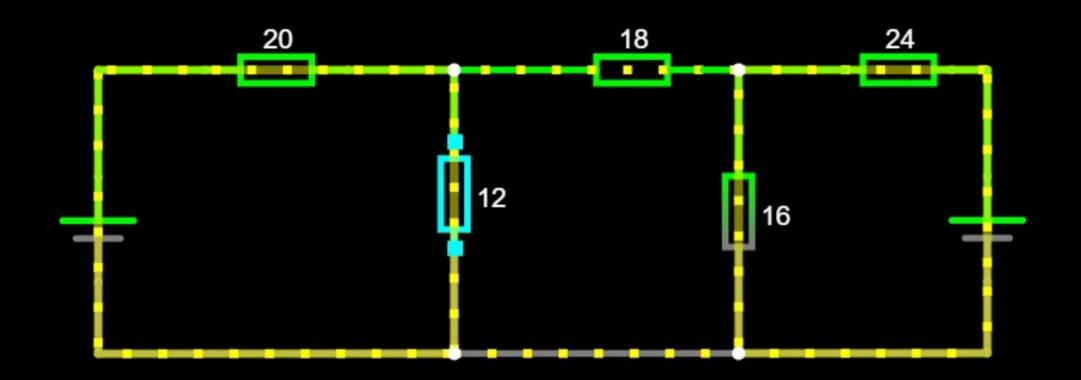
resistor

I = 717.949 mA

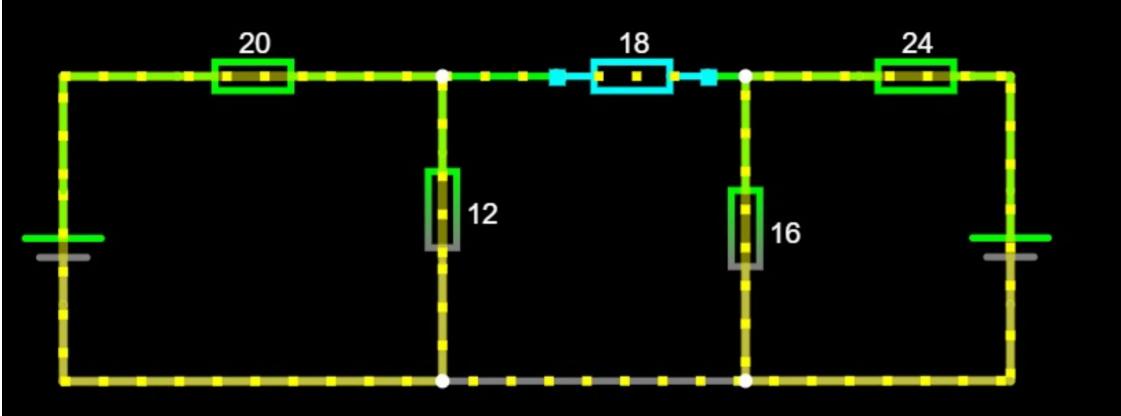
Vd = 14.359 V

 $R = 20 \Omega$

P = 10.309 W



resistor I = 803.419 mA Vd = 9.641 V R = 12 Ω P = 7.746 W



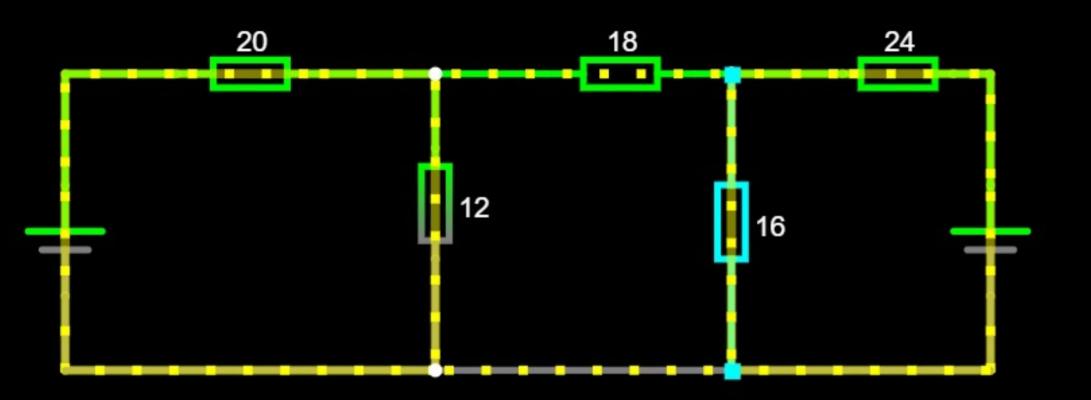
resistor

I = 85.47 mA

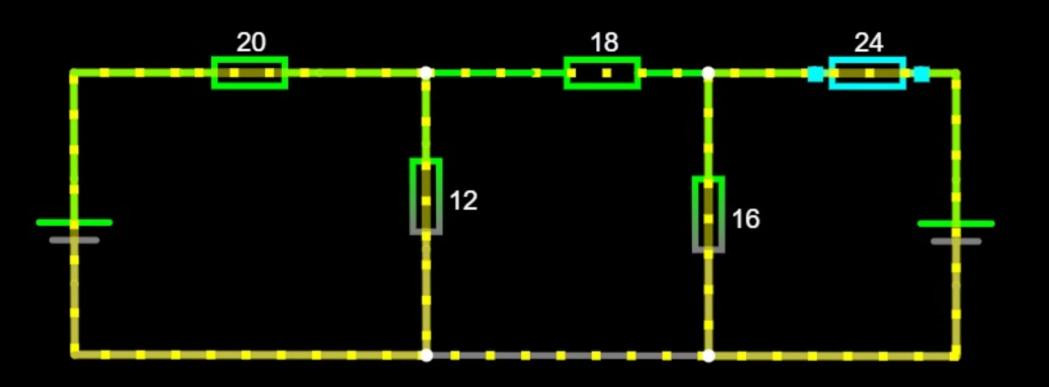
Vd = 1.538 V

 $R = 18 \Omega$

P = 131.492 mW



resistor I = 698.718 mA Vd = 11.179 V R = 16 Ω P = 7.811 W



resistor I = 784.188 mA Vd = 18.821 V R = 24 Ω P = 14.759 W