$$A = \begin{bmatrix} 2 & 0 & 1 \\ 0 & 1 & 0 \\ 1 & 0 & 1 \end{bmatrix}$$

$$A = \begin{bmatrix} 2 & 0 & 1 \\ 0 & 1 & 0 \\ 1 & 0 & 1 \end{bmatrix}$$

$$A = \begin{bmatrix} 2 & 0 & 1 \\ 0 & 1 & 0 \\ 0 & 0 & 0,5 \end{bmatrix}$$

$$A = \begin{bmatrix} 2 & 0 & 1 \\ 0 & 1 & 0 \\ 1 & 0 & 1 \end{bmatrix}$$

$$A = \begin{bmatrix} 2 & 0 & 1 \\ 0 & 1 & 0 \\ 1 & 0 & 1 \end{bmatrix}$$

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$$A = \begin{bmatrix} 2 & 0 & 1 \\ 0 & 1 & 0 \\ 1 & 0 & 1 \end{bmatrix}$$

$$A = \begin{bmatrix} 2 & 0 & 1 \\ 0 & 1 & 0 \\ 0 & 0 & 0,5 \end{bmatrix}$$

$$A = \begin{bmatrix} 2 & 0 & 1 \\ 0 & 1 & 0 \\ 0 & 0 & 0,5 \end{bmatrix}$$

$$A = \begin{bmatrix} 2 & 0 & 1 \\ 0 & 1 & 0 \\ 0 & 0 & 0,4 \end{bmatrix}$$

$$A = \begin{bmatrix} 2 & 0 & 1 \\ 0 & 1 & 0 \\ 0 & 0 & 0,4 \end{bmatrix}$$

$$A = \begin{bmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 0,4 \end{bmatrix}$$

$$A = \begin{bmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{bmatrix}$$

$$A = \begin{bmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{bmatrix}$$

$$A = \begin{bmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 1 & 0 \\ 0 & 1 & 0 \end{bmatrix}$$

Scanned by CamScanner

$$A_3 = U_2 * L_2 = \begin{bmatrix} 2,6 & 0 & 1 \\ 0 & L & 0 \\ 0,04 & 0 & 0,4 \end{bmatrix}$$

a precisão mão poi otingida

2)

 $A = A_1 = \begin{bmatrix} 2 & 0 & 1 \end{bmatrix}$

$$Q_{1} = \begin{bmatrix} -0.8944 & 0 & -1.346 \\ 0 & 1 & 0 \\ -0.4472 & 0 & 0.4472 \end{bmatrix}$$

$$A_2 = R_1 * Q_1$$

$$A_{2} = \begin{bmatrix} 2,6 & 0 & -0,2 \\ 0 & 1 & 0 \\ -0,2 & 0 & 0,4 \end{bmatrix}$$

$$Q_{2} = \begin{bmatrix} -0,9970 & 0 & 0,0766 \\ 0 & 1 & 0 \\ 0,07669 & 0 & 0,9970 \end{bmatrix}$$

$$R_{2} = \begin{bmatrix} -2,6076 & 0 & 0,2300 \\ 0 & 1 & 0 \\ 0 & 0 & 0_{1}3834 \end{bmatrix}$$

$$A_{3} = R_{2} * Q_{2}$$

$$A_{3} = \begin{bmatrix} 2,6176 & 0 & 0,0294 \\ 0 & 1 & 0 \\ 0,0294 & 0 & 0,3823 \end{bmatrix}$$
a precisão não fai atingida