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Brudley Quinn Question 1 Residual Correction Method
   \begin{bmatrix} 1 & 0.5 & 1 \\ 0.5 & 0.333333 \end{bmatrix} \xrightarrow{R_{\lambda} - \frac{1}{2}R_{1}} \begin{bmatrix} 1 & 0.5 & 1 \\ 0 & 0.08 & -0.5 \end{bmatrix}
   Back Substitution for &
          x, (0.08) = -0.5, X2 = -6.25
          x, + (0.5)(-6.25)=1, x,-3.125=1, x,=4.13
   x= { 4.13, -6.25}
   \Gamma = b - A\hat{x}, \Gamma = \begin{bmatrix} 1 \\ 0 \end{bmatrix} - \begin{bmatrix} 1 & 0.5 \\ 0.5 & 0.333833 \end{bmatrix} \begin{bmatrix} 4.13 \\ -6.25 \end{bmatrix}
                         \Gamma = \begin{bmatrix} 2 \\ 0 \end{bmatrix} - \begin{bmatrix} 1.01 \\ -0.02 \end{bmatrix} = \begin{bmatrix} 1-1.01 \\ 0-(-0.02) \end{bmatrix} = \begin{bmatrix} -0.01 \\ 0.02 \end{bmatrix}
 From, Ae=r, we can find ê and estimate of our error è
    [ 0.5 | -0.01] = [ 1 0.5 | 0.015]
[ 0.5 0.3333 | 0.02] R2+ = [ 0 0.08 | 0.02]
Back substitute for &
     e_2(0.08) = (0.06); e_2 = 0.25
     €, + 0.5(0.25) = 0.015, €, +0.125 = 0.015, €, = -0.11
色=卷色, 色, 至, 至, 了= 至-0.11, 0.253
Solve linear System: x 2 2 + 2 = [4.02, 6.00]
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