$$\frac{\sqrt{7}}{\sqrt{3}} = \frac{1}{\sqrt{3}} \times \frac{1}{\sqrt{3}} \times$$

$$-\left(q_{11}\frac{\partial^{2}_{x}}{\partial x^{2}}+q_{22}\frac{\partial^{2}_{y}}{\partial y^{2}}\right)+\left(=0\right)$$

where
$$B = \begin{bmatrix} N_1, x & N_2, x & \dots & N_{N,N} \\ N_1, y & N_2, y & \dots & N_{N,N} \\ N_1 & N_2 & \dots & N_N \end{bmatrix}$$

$$C = \begin{cases} \alpha_n & \alpha_{75} & 0 \\ \alpha_{70} & \alpha_{72} & 0 \\ 0 & 0 & \alpha_{70} \end{cases}$$

$$\alpha_{11} = \alpha_{22} = k.$$

$$\begin{bmatrix} R^{\alpha} \end{bmatrix} = \frac{R_{c}}{2b\alpha} \begin{bmatrix} b^{2} + \alpha^{2} & -b^{2} & -\alpha^{2} \\ -b^{2} & b^{2} & 0 \\ -\alpha^{2} & 0 & \alpha^{2} \end{bmatrix}$$

$$\begin{bmatrix} R^{\alpha} \end{bmatrix} = \frac{f_{c} \alpha b}{6} \begin{bmatrix} b^{2} \\ -\alpha^{2} \end{bmatrix}$$

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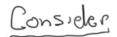
$$\begin{bmatrix} R^{\alpha} \end{bmatrix} = \frac{f_{c} \alpha b}{6} \begin{bmatrix} a^{2} \\$$

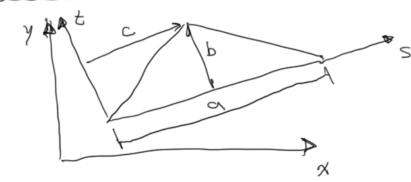
$$\frac{7}{9}$$

$$X = \{1, X, Y, X\}$$

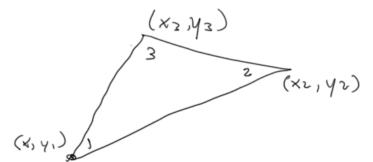
$$\begin{bmatrix} R \end{bmatrix} = \frac{a_{11}b}{6a} \begin{bmatrix} 2 & -2 & -1 & 1 \\ -2 & 2 & 1 & -1 \\ -1 & 1 & 2 & -2 \\ 1 & -1 & -2 & 2 \end{bmatrix} + \frac{a_{22}a}{6b} \begin{bmatrix} 2 & 1 & -1 & -2 \\ 1 & 2 & -2 & -1 \\ -1 & -2 & 2 \end{bmatrix}$$

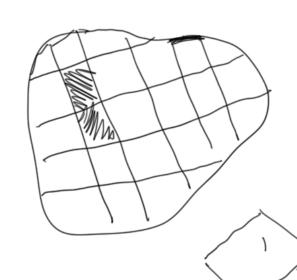
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Solve a, b, c, a2, b2, c2 X = a, + b, 5 + C, t

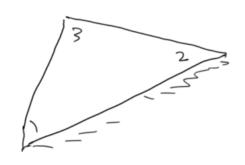




x, y are related to s, t

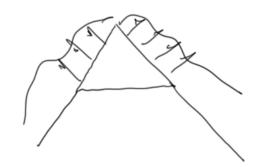
$$x(s,+) = x_1 + (x_2 - x_1)\frac{s}{a} + \left[\left(\frac{c}{a} - 1\right)x_1 - \frac{c}{a}x_2 + x_3\right]\frac{t}{b}$$

$$y(s,+) = y_1 + (y_2 - y_1)\frac{s}{a} + \left[\left(\frac{c}{a} - 1\right)y_1 - \frac{c}{a}y_2 + y_3\right]\frac{t}{b}$$



Side 1-2

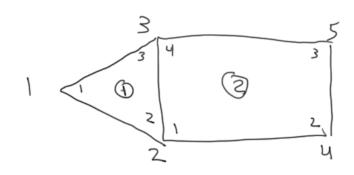
$$N_{i}(s) = N_{i}(s, 0) = \left[1 - \frac{5}{\alpha}, \frac{5}{\alpha}, 0\right]^{T}$$

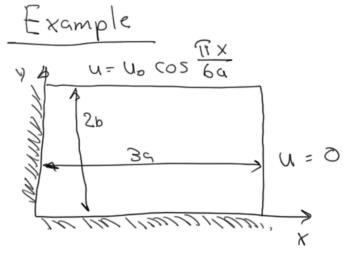


$$\begin{bmatrix}
k_{11}^{e_1} & k_{12}^{e_1} & k_{13}^{e_1} & k_{14}^{e_2} & k_{14}^{e_3} & k_{14}^{e_2} & k_{14}^{e_3} & k_{14}^{e_2} & k_{14}^{e_3} & k_{14}^{e_4} & k_{14}^{e_2} & k_{14}^{e_3} & k_{14}^{e_4} & k_{14}^{e_3} & k_{14}^{e_4} & k_{14}^{e_4} & k_{14}^{e_2} & k_{14}^{e_3} & k_{14}^{e_4} & k$$



$$B_c = \begin{bmatrix} 1 & 7 & 3 & 0 \\ 2 & 4 & 5 & 3 \end{bmatrix}$$





$$-k\left(\frac{3x}{3x^{4}}+\frac{3x}{3x^{4}}\right)=0$$

