6.3c 6-3c, 6-11b, 6-13

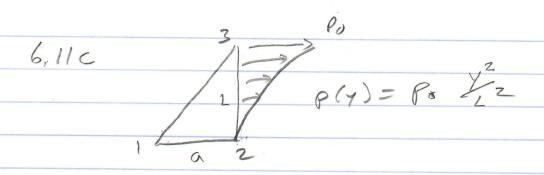
[K] = tA [B] [O] [B] 6×6 6×3 3×3 3×6

 $[0] = \frac{E}{1-v^2} \begin{bmatrix} 1 & v & 0 \\ v & 1 & 0 \end{bmatrix}$

 $\beta_1 = y_2 - y_3 = -1$, $\delta_1 = x_3 - x_2 = -2$ $\beta_2 = y_3 - y_2 = +1$, $\delta_2 = x_1 - x_3 = 0$ Bg = Y1-1/2= 0, 83 = x2-x, = 2

A=1 m2

See Mathab script & ontput for results



$$N_{1} = \frac{1}{2A} \left(d_{1} + \beta_{1} \times + \delta_{1} \times \right) = 0 \text{ along } 2-3$$

$$N_{2} - \frac{1}{2A} \left(d_{2} + \beta_{2} \times + \delta_{2} \times \right) = \frac{\alpha(L-\gamma)}{2A}$$

$$N_{3} - \frac{1}{2A} \left(d_{3} + \beta_{3} \times + \delta_{3} \times \right) = \frac{9\gamma_{2A}}{2A}$$

$$N_2 = \frac{\alpha(L-7)}{3A} = \frac{\alpha(L-7)}{\alpha(L-7)} = 1 - \frac{1}{1}$$

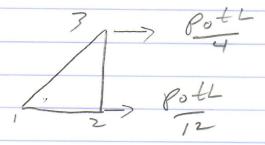
$$N_3 = \frac{qy}{aL} = \frac{y/L}{}$$

Node 2

$$f_{S2x} = t \left(\frac{1 - \frac{1}{12}}{1 - \frac{1}{12}} \right) \frac{p_0 \frac{1}{12}}{p_0 \frac{1}{12}} \frac{dy}{dy}$$
 $= t \int_{-\frac{1}{12}}^{\frac{1}{12}} \frac{p_0 \frac{1}{12}}{p_0 \frac{1}{12}} \frac{dy}{dy}$
 $= \frac{p_0 \frac{1}{12}}{p_0 \frac{1}{12}} \left[\frac{1}{12} \frac{$

Nude 3 3 fs3x = t ((// (Po 4/22) dy $=\frac{90\pm \left(\frac{1}{2}\right)}{13}$

$$\int_{53\times} = \frac{P_0 + L}{4}$$



6,13

12
0
2
1-500015
1017
1017

Clubil eq (refer to ex. 6-2)

$$\begin{pmatrix}
0 \\
-500015
\end{pmatrix} = \frac{3757000}{0.91} \begin{pmatrix}
48 & 0 - 28 & 14 \\
87 & 12 & -80 \\
9 & 98 & -26 \\
87 & 99 & 99 \\
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87 & 9$$

Elemet 2

See Mathab script it output for results