$$P = 10^{3} N$$
 $A = 10^{-7} m^{2}$
 $E = 10^{3} P_{a}$
 $A = 10^{-7} P_{a}$

	•
	BDF
2	BAC
(3)	8-7)

Formula

Formula

$$C^{2}CS$$

$$SC S^{2}$$

$$C^{2}CS$$

$$SC S^{2}$$

$$C : CS$$

$$SC S^{2}$$

$$SC S^{2}$$

$$SC S^{2}$$

$$SC S^{2}$$

$$SC S^{2}$$

$$SC S^{2}$$

$$\frac{\text{CODE}}{\text{CosO}} = \frac{\text{CoDE}}{\text{CengHh}} = -\frac{1}{\sqrt{2}}$$

$$\text{Sin O} = \frac{y_2 - y_1}{\text{LengTh}} = \frac{1}{\sqrt{2}}$$

$$\text{Cos (135)} = -\frac{1}{\sqrt{2}}$$

$$\text{Sin 135} = \frac{1}{\sqrt{2}}$$

$$|X = \frac{EA}{\sqrt{2}} = \frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}}$$

Assembly 0 0 0 2/2 -2/2 0 0 -2尼 -1 2 1/2 0 Roller 0 12

Apply B.C.'s - delete nows? whomas [1,2,3,4,6]

$$\begin{bmatrix} 0 \\ P \end{bmatrix} = \frac{EA}{\sqrt{2}} \begin{bmatrix} \frac{1}{2} & -\frac{1}{2} \\ -\frac{1}{2} & \frac{1}{2} + 0 + \frac{1}{2} \\ -\frac{1}{2} & 0 \end{bmatrix} \begin{bmatrix} u_{Dx} \\ u_{8x} \\ u_{3y} \end{bmatrix}$$

Use: P=103 3 A=10-2 3 Solve E=107

 $U_{DSL} = 0.038 \, m$ $U_{BSL} = 0.033 \, m$ $U_{BSL} = 0.005 \, m$

Post process

$$T = E\left(\frac{u_D - u_B}{L}\right)$$

UDX

UDY

UBX

UBY

STRESS FORMULA

$$T = \frac{E}{L} \begin{bmatrix} -\cos \alpha & -\sin \alpha & \cos \theta & \sin \theta \\ u_{1}y & u_{2}y \\ u_{2}y & u_{2}y \end{bmatrix}$$

where B = node I

$$T = \frac{E}{\sqrt{2}} \sqrt{\frac{1}{2}} \sqrt{\frac{1$$