



$$\Delta C = \alpha l (T_2 - T_1)$$

$$T_2 = 1600$$

$$T_1 = 300$$

$$E = \frac{\text{STRESS}}{\text{STRAIN}}$$

$$\text{STRAIN} = \frac{\Delta C}{l}$$

$$\therefore \text{Ave Stress} = E \times \frac{\Delta C}{l}$$