

b. Fret - kx mg-f = 1750x - 17.658 - 0.15 =1750x-17.808 Fret-ma - a = Free - 1750x-17.808 m5-3 $\frac{E_{101} = 1 \, \text{k} \, \text{x}^2 = 1,1750 \, \text{x} \, 0.15^2 = 19.6875 \, \text{J}}{2}$ E1055 = FADC = 0.15 x 0.15 = 0.07250 En-19.6825-0-0725=19.665 V- 12x E - 2x19.665 - 4.67 ms d. Ep-En-Eross-mgh-mg(x+h,) 1.8x9.91x(0.15+h,)=19.6825-0.15 (0.15+h,) i. h, = 0.955 m