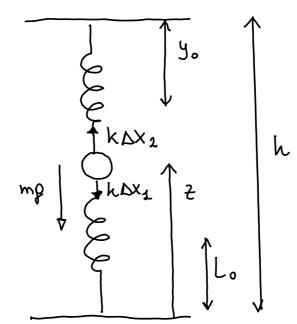
TDE 29/02/2021

ESERCIZIO 1

a)



$$k\Delta X_2 - h\Delta X_1 - mp = 0$$

$$\Delta X_2 = h - \xi - L_0$$

EQUILIBRIO STATICO

$$\Delta X_{1} = \frac{2}{eq} - l_{o}$$

$$K(h-z-l_{o}) - K(z-l_{o}) = mp$$

$$-2hz + kh = mp = 2 = \frac{h}{2} - \frac{mp}{2k}$$

$$z = 1.5 m - 1hp. 9.81 \frac{m}{5^{2}} = 1.25 m$$

220 N/m