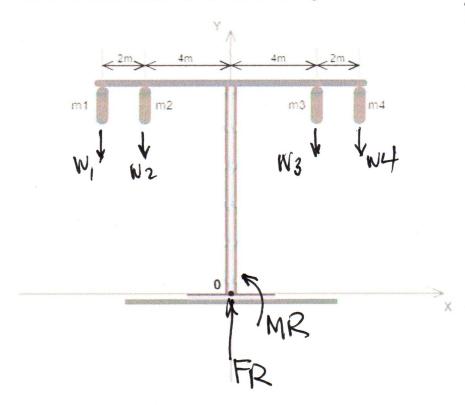
SOLUTION

ip4STATICS Worksheet for U04_P01

A traffic pole supports four lights, as shown below.

Instance variables: masses m1, m2, m3 and m4, in kg.



Setup W1 = W1.9 W2 = M2.9 W3 = M3.9 W4 = M4.9

- (1) What is the reaction force FR at O that keeps the pole in equilibrium? (Enter 'lb,deg')
- (2) What is the reaction moment MR about O that keeps the pole in equilibrium? (Use +:ccw / -:cw)

(2) \(\int_{0} = 6. \text{W1} + 4. \text{W2} - 4. \text{W3} - 6. \text{W4} \)

Note. MR is signed, Pos. div. ccw.