P12 - 4.1 - Torque Equilibrium HMK

How much Torque can a 100 N force do on a 0.15 m wrench?

Pivot

$0.22\ m$

$+$
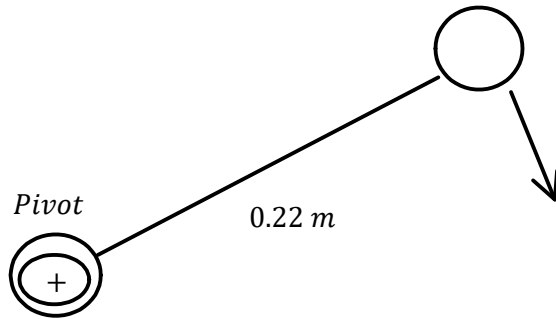
Find the mass so the system is in equilibrium?

38

?

$18\ m$

$4\ m$

Pivot
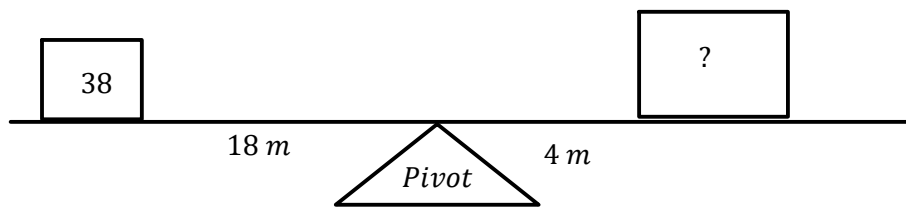
Find the distance so the system is an equilibrium?
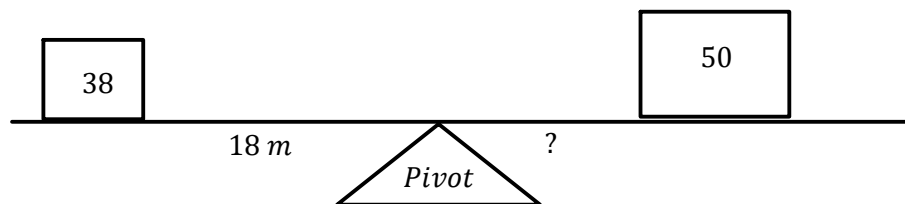

38

50

$18\ m$

?

Pivot

P12 - 4.1 - Torque Equilibrium HMK

Find the Tension in the string. Ignore the mass of the pole.

6m

Ceiling

Wall

String

3.5 m

Pole

80
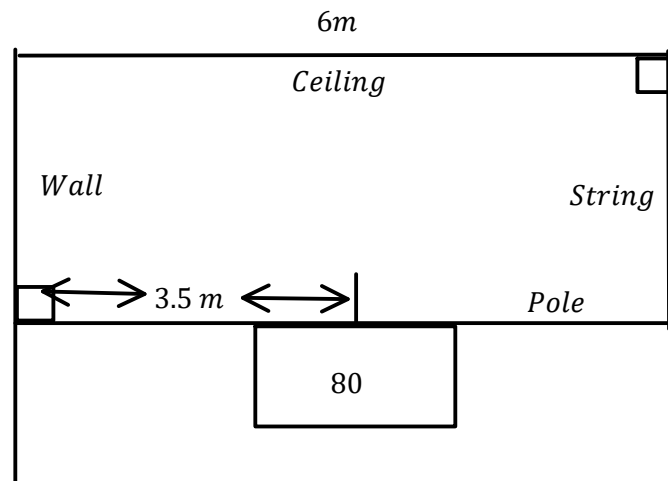
What is the force on the wall by the pole?