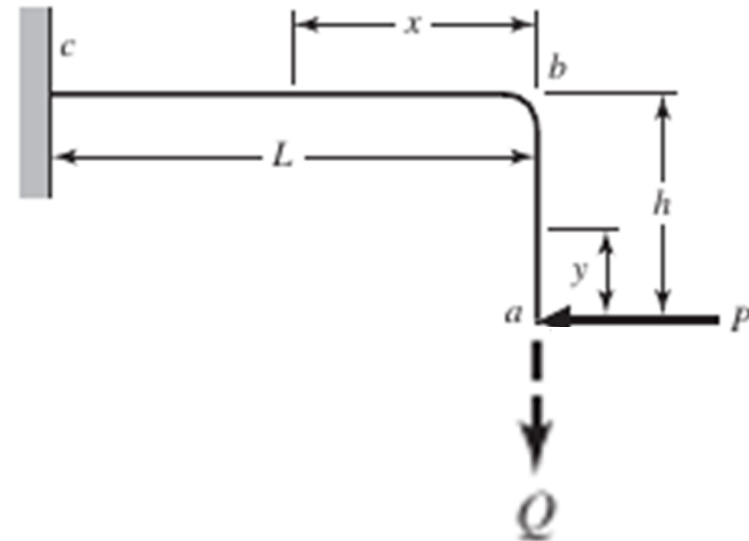


Design exercise 1

The general geometry and loading of a cantilever beam with a 90° bend is known. Determine the vertical deflection at the free end of the beam (ignore transverse shear)



Annoucement

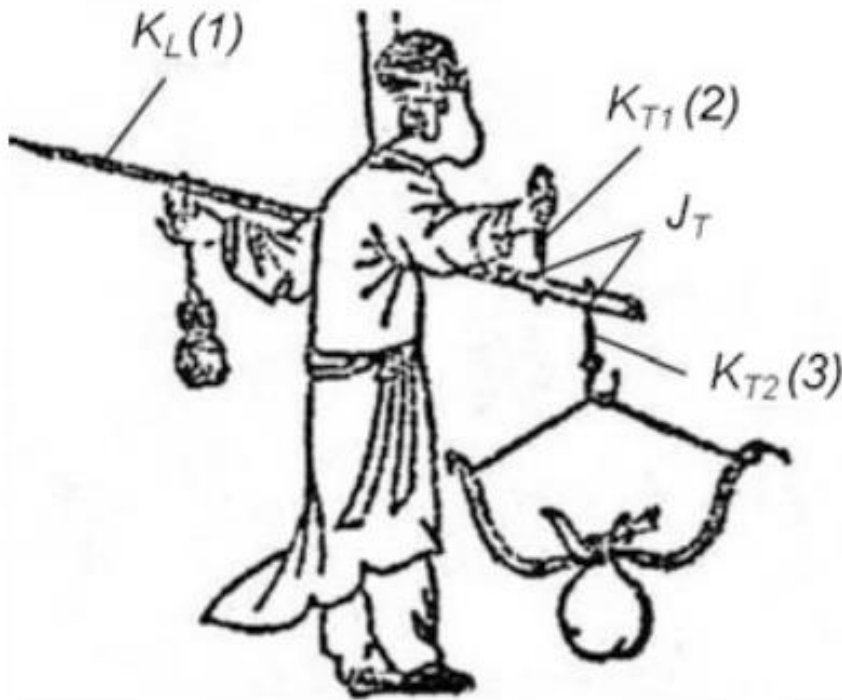
You should be able to apply the theory to project 1 to analyse

- ❖ Deflection of beam
- ❖ Deflection of hook

Ancient Chinese mechanisms

How would you analyse the deflections in these devices?

Quan Heng (權衡)



A water lifting device He Yin (鶴飲)

