HOOLES LOW. Tension XX 4p T X X 4p T = h X - This constant k depends on: 4) The unstretched (natural) (ength of the String or Spring(6) Ly The Modulus of elasticity (2)  $k = \gamma c$   $\Rightarrow r = 2 \times c$ - This is wheet is called Howes Low - Modulus of clasticity is often also reffered to as youngs modulus, especially in physics natural length (1) Property of the object extension (a) determined by Force and Modules of (1). Property of the material force, often weight. If there are no other external forces Hen it will be opposite of tension.