X= clisplacement of ball e= length compressed Projectile Motion Dy=Voyt + 20yt -> 03=9 -> h= -129t X = Vox 17hg -> ouchual distance Xz = 2.2 m -> wanted distance Voi = actual velocity Voz = wanted velocity No5= (5.5) No! First = fmv2 > kl2 = mv2 > vis proportional to c E, = actual length = . Ilm 2 - wanted Length P2= (-7.03). P. L2=.11(2.7)=(12.54 m)=(12.54 cm)