







22) ms 2009 = 0,200 kg 18 == KAR G K= F/lore = 1/0,01 == 100 N/m HC.U. =) 10 compt = at +0 m/36 a) T=20 => w= 25 6) w= 11 godla = = Felóslica = - KAR λ = = -2c + 2 = - 24(2 = - ω² 2 = - ω² (limole + 02) 2 Fr= mvc (3 - 14 Aze = - wd (lando + Aze) 6 KARE = Wa longle + and Dre 4) Age (K-w2) = 62 lample 1) Are = [worklandal (K-wa)] 67 AX = [(12 x 05) / (100-12)] 6 0x = 0,055 m Compaignemento de molo = 0x + lando = 0,055 + 0,5 = 0,555 m b) N= Wn = Wx (landa + bx) = 17 x0,51 = 1,600m/6 DEm = 0 6 / gno a + origha = 1/2 opo b + orights (1) 1/2 No + gha = 1/2 x3 b +0 4 (1/4 (1,60) 2 1 9,8 x 0,50] x 2 = 02b 4 pb = 3, 52 m/s 23) K= 400 N/m (P) of N-P, + Fesen(30") = 0 (1)
T-fe(05(30") = 0 (1) (Ha) 1 T = Pa = mag = 4×9,8 = 39,2N (1) Fecos(30) = T (=) K Dx gos(30) = 39, 2 N () Dx = 0,113 m () Dx = 11,3cm b) & N- P1 + Fesen (30-)=0 T - Feros(30.) - Fa = 0