Broce Emerson Sample Prob/HW ENGR212 Regd VA & and w= Smalk Silen: 2=1N62 Assump: no slip etc Strategy match linear velocity & acceleration @ He cake a = 03 rad/2 VA is close to edge so I expect it to be approx the same as small edge DUc = VW = 3m (= VA (tangential) acceleration will have both as a an (on an & at an = 3 m/s2

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Bruce Erneran +w #/Sample ELCGR 212 50/m: call lettob, small (s) vishtobject large (L) sedge Ledge rus 2 ruch rod = ra WL = Vs Ws = IN 3 md/s (5 0/2 = 0/L = 1/m / rad/62 [10_= 1,2 rades a_ = .4 rad /2 V=+rwe= = 2m.1-2 rade 0 a= -nwer+rae VPA = 2.4 m/se =-2m(1.2 m) cr + 2m (o4 rad/sz) Co Discosion! Tite nicely us Ostimate! small errors ap = -2.88m/2er + 8 m 20 ? due to round att but (a) = 12.88 + 82 = 2.99 m/62 feels secure

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