ma + ma Ex 8-4 p749 Beren V:=0 Af ter MR Conser momenta. April = 0 APR + APR = 0 PR+ - PR: + PB- - PB = 0 PR; = PR = 0 PRE = - PBE PERF MRVAR =- MBVB. VAR = - MB VBR = - 5.00x10-3 kg (300 ms-1) Vre = - 0. 500 ms PR== mn VR= (3.00 kg) (-0 500-5-) = -1.50 h PB= - PR= 1.50 kg ms-1

KR = 12 ma Vap = 1/2 (3.00 mg) (-0.500 ms-1)2 WES. Un= U. 375J VB= = 1/2 mBVB= 1/2 (5.00+10-1 45) (300m51)2 Vs = 225J