COLLISION -> L.C.L.M is valid for any type of collerion. Many postardisessing (m) + (m) + v2 (m) L.C.L.M m10, + m2 02 = m, v1+m2 v2 KE 1/2 m1u,2+1/2 m2u2 = 1/2 m1v,2+1/2 m2v,2 V2 = (m2 m1+m2) well of scentification 42-4 ROM = MIRTHING + MIR + MIRE 1 ezo (perfect inclaration) e= 1 relatio | OLELI (allinon) collision (KE); - (KE); (KE), - (KE) } KE cornerwed KE is lon KE is lon is max. (A) Oferaction of K.E exetuined - (M1-M2) (i) Ferection of K.E teramfelored = 4M,M2 han V=eur [h=enh] @ distance teravelled by the ball to east $d=h\left(\frac{1+e^2}{1+e^2}\right)$ 1. Lou in energy = 1-e2 × 100% Op=mvo(1+e > Understanding head on collision & oblique collision. LOI - line of impact O oblique ball with for obliquely: + musico V=U & Bin20 +tioso tand = fano

