Fince Form Cinon 8(24/2010 Coupled B Mie = (Mam) go-4 p= = (44) (M+m) it + ml 0 = 4 (1) From NEUTENIAN made or ml20+mli = mgl0 (2) LASRANG CAN Med. Q SUB LX @ From Z Mlo + mlie - Mlie - mlie - mlo = mglo - lu Mli = mglo-ly Mil = U-mg& from 1/2 = f (x) My
thus ser B To get ER (A) SUBSTITUTE (3) INTO(2) mezo + me [U - mg 0] = mglo MULTIPLY both sides by (M) Ml20+Ml m-m20 = Mgl0 Ml20+lu-mgla=Mgl0 or MlÖ = (M+m)g O-4)