2 cases: for Eup & Sou E down Jornard Load: L Counterweight

La could also be placement of electronics ate.

I amortiz case 1

I amortiz case 1 Yor holden: Foh \[ \lambda\_{\text{X-axis}} (combined body) = \[ \lambda\_{\text{X-axis}} (separate bodies) \] \( My-axs (combined body) = \( Myaxis (separate bodies) \) (mr + me + me + me) . d. ) = mr . d. 1/2 + me. d. 1/2 + me . d. 1/2 (mi + mf + mf + m.) . cf. X = mr . of . X + mf . of . X + m f . of . X + med x  $\Leftrightarrow$ X = MLXL +MFO FO MFXF + MCXC + MFG XFG

(ML + MFO + MF + MO + MFOR Combined x by give contant gol Dator? with respect to point