

 $\sum_{y_3} |F_{y_3}| = 0 = Q_{y_3} - \frac{g\ell}{2} = > Q_{y_3} = \frac{g\ell}{2}$  $\sum_{i} \mathcal{U}_{K_{3}} = 0 = -\mathcal{U}_{X_{3}} - \frac{g\ell}{2} \cdot \mathcal{Z}_{3} = \mathcal{U}_{X_{3}} = -\frac{g\ell}{2} \mathcal{Z}_{3}$ Z3=0: M23=0  $Z_3 = \ell : \mathcal{M}_{Z_3} = -\frac{8\ell^2}{2}$