



$\sum$  Moments @ P2 = 0  $\oplus$

$$M_2 + \frac{3Fx}{2d}(y-d) - \frac{3Fx}{2d}(y+d) - F(x+y) = 0$$

$$\therefore M_2 = \frac{3Fx}{2d}[(y+d) - (y-d)] + F(x+y)$$

$$= \frac{3Fx}{2d}(2d) + F(x+y)$$

$$= 3Fx + Fx + Fy$$

$$= 4Fx + Fy$$

$$= F(4x+y)$$