

$$R_A = F \times \frac{L}{L_1}$$

TAKE MOMENTS ABOUT A SUPPORT

$$F \times L_2 = R_B \times L_1$$

$$\frac{F \times L_2}{L_1} = R_B$$

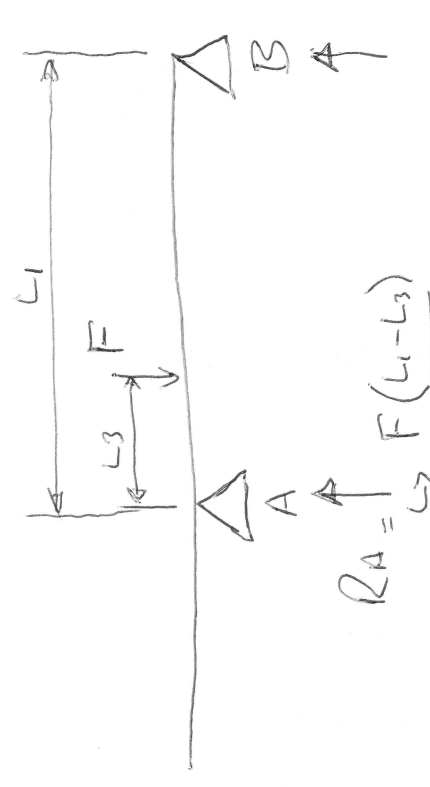
TAKE MOMENTS ABOUT SUPPORT B

$$\therefore F \times L = R_A \times L_1$$

$$\therefore R_A = \frac{F \times L}{L_1}$$

REACTION

$$R_B = \frac{F \times L_2}{L_1}$$



$$R_A = \frac{F(L_1 - L_3)}{L_1}$$

TAKE MOMENTS ABOUT SUPPORT B

$$R_A \times L_1 = F \times (L_1 - L_3)$$

$$R_A = \frac{F(L_1 - L_3)}{L_1}$$

TAKE MOMENTS ABOUT A

$$R_B \times L_1 = F \times L_3$$

$$R_B = \frac{F \times L_3}{L_1}$$