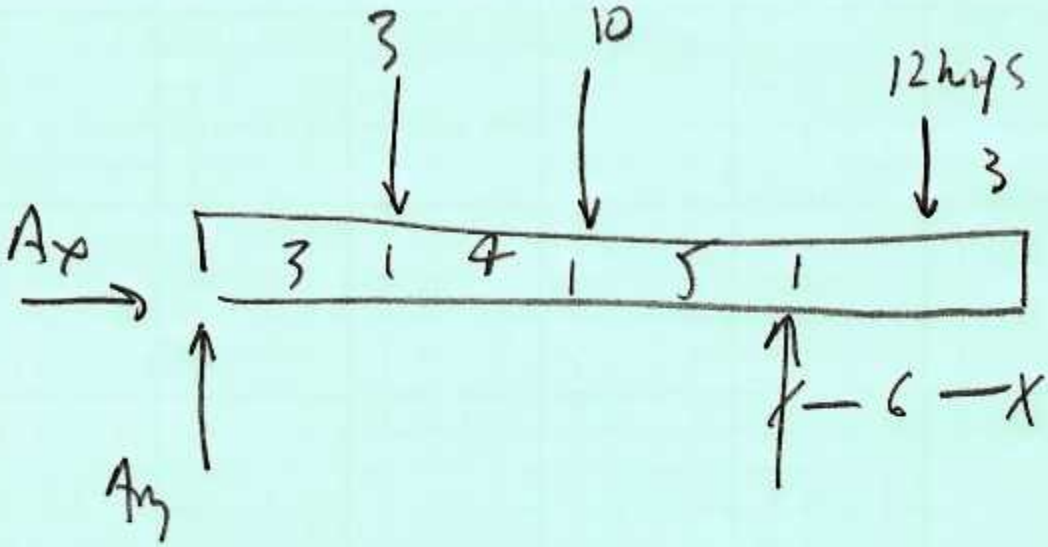


B_y: $\Sigma M_A = \emptyset$ (kip·ft)

$$\emptyset = -(3)(3) + -(10)(7) + B_y(12) - 12(15)$$

$$B_y = 259/12$$

$$B_y = \underline{21.58 \text{ kip}}$$

A_y:

$\Sigma M_B = \emptyset$: (kip·ft)

$\emptyset = {}^{+}(3)(9) + {}^{+}(10)(5)$

$-(12)(3) - A_y(12)$

$A_y = \frac{41}{12}$

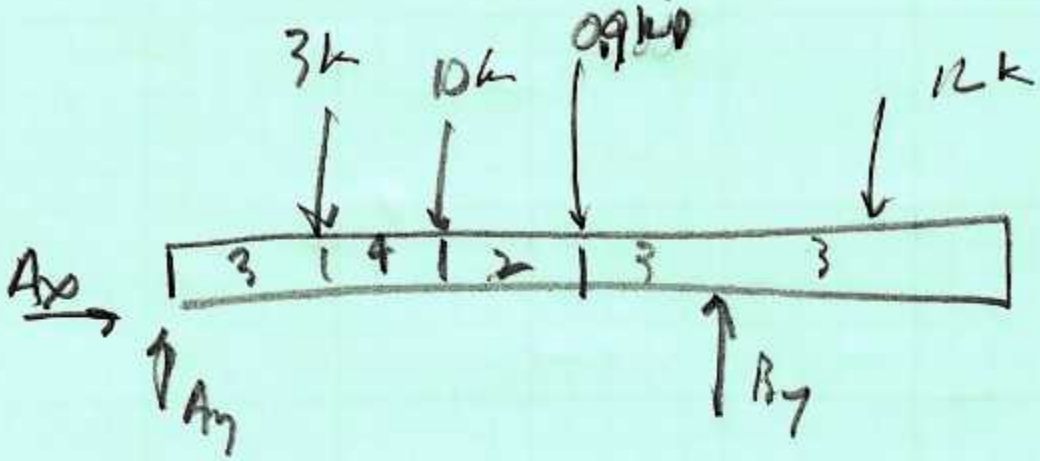
$A_y = \underline{\underline{3.42}}$ kip
ans

$A_x = \underline{\underline{\emptyset}}$ (insp)
ans

$\Sigma F_y = \emptyset$

$0 = {}^{+}3.42 - 3 - 10 - 12 + 21.58$

$\underline{\underline{0 = 0}}$ ✓
ans



B_y: $\Sigma M_A = \emptyset$ (kip ft)

$$\emptyset = -3(3) + -10(7) + -(0.9)(9) + B_y(12) - (12)(15)$$

$$B_y = 22.26 \text{ kip}$$

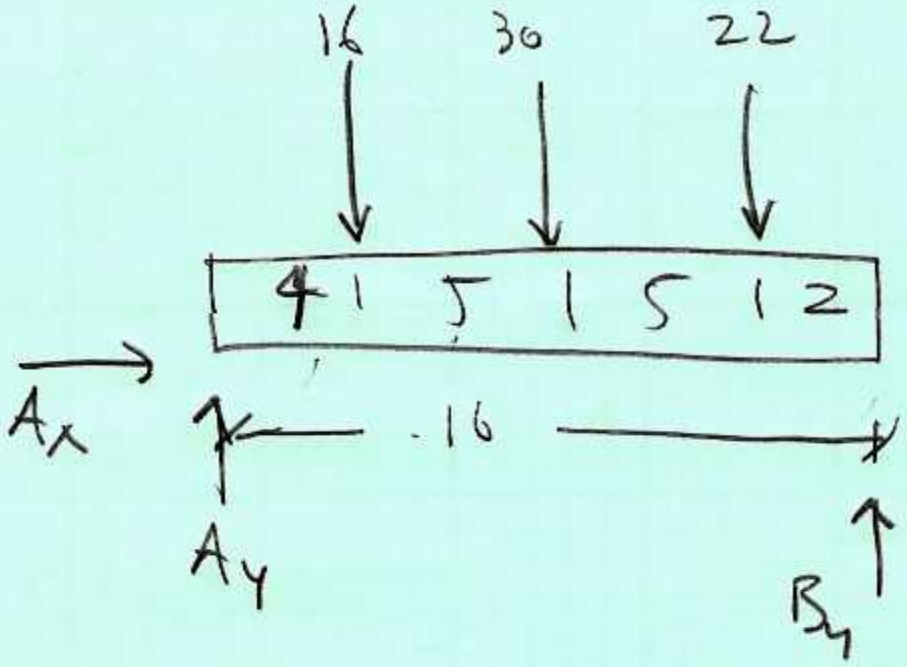
A_y:

$\Sigma M_B = \emptyset$ (kip ft)

$$\emptyset = +3(9) + (10)(5) + (0.9)(3) - (12)(3) - A_y(12)$$

$$A_y = 43.7/12$$

$$A_y = 3.64$$



$\underline{B_y}$:

$$\Sigma M_A = \emptyset \quad (\text{kip} \cdot \text{ft})$$

$$\emptyset = -(16)(4) + -(30)(9)$$

$$+ -(22)(14) + B_y(16)$$

$$B_y = 40.13 \text{ kips}$$

ANS

A_y: $\Sigma M_B = 0$

$$\emptyset = -(A_y)(16) + (16)(12) + (30)(7) + (22)(2)$$

$$A_y = \underline{\underline{27.88 \text{ kips}}}$$ Ans

$\Sigma F_y = \emptyset$?

$$0 = +40.13 - 16 - 30 - 22 + 27.88$$

$$0 \approx 0 \checkmark$$