$$h \times SG_{001} = 70 - (H-h)$$

$$h = \frac{H-70}{1-SG_{001}} = 20$$

(2)
$$\vec{a} = ax\vec{i} + by\vec{j}$$

 $\vec{a} = 4\vec{i} = (u^{2}y_{1} + v^{2}y_{2}) \vec{j} + (u^{2}y_{2} + v^{2}y_{3}) \vec{j}$
 $= a^{2}x\vec{i} + by\vec{j}$
 $= a^{2}x\vec{i} + by\vec{j}$

$$a+p+.$$
 (1,1) $\vec{a} = \vec{a} \cdot \vec{i} + \vec{b} \cdot \vec{j}$

5.
$$2 \times 4 \times 5 \left(1 + 2 \times \frac{4}{3}\right) = 5 \times F_B$$
$$F_B = \frac{88}{3} \times = 293.33 \text{ kN}$$