$$F_{1}+F_{2}=? \qquad A=(0,4,6) \quad B=(4,5,6) \quad C=(-2,5,6)$$

$$F_{1}=|F_{1}| \cdot AC = 50 \quad [-2,4,6] = (-50,100,-150)$$

$$F_{2}=|F_{2}| \cdot AB = 35\cdot(41-6) = (-50,35,-210)$$

$$|F_{1}+F_{2}=|-50,100,-150| + (-50,35,-210)$$

$$|F_{1}+F_{2}| = 70,02 \quad N$$

$$|F_{2}+F_{3}| = 70,02 \quad N$$

$$|F_{3}+F_{3}| = 70,02 \quad N$$

$$|F_{1}+F_{2}| = 70,02 \quad N$$

$$|F_{2}+F_{3}| = 70,02 \quad N$$

$$|F_{3}+F_{3}| = 70,02 \quad N$$

$$|F_{1}+F_{2}| = 70,02 \quad N$$

$$|F_{2}+F_{3}| = 70,02 \quad N$$

$$|F_{3}+F_{3}| = 70,02 \quad N$$

$$|F_{1}+F_{2}| = 70,02 \quad N$$

$$|F_{2}+F_{3}| = 70,02 \quad N$$

$$|F_{3}+F_{3}| = 70,02 \quad N$$

N=155,66.