計算第 1 題

$$\left( \frac{a^2}{a+x} + \frac{a^2}{a+x} + \frac{b^2}{b+y} + \frac{b^2}{b+y} + \frac{c^2}{c+z} + \frac{c^2}{c+z} \right)\left( a+x+a+x+b+y+b+y+c+z+c+z \right)$$

$$\geq \left( a+a+b+b+c+c \right)^2$$

$$\left( \frac{2a^2}{a+x} + \frac{2b^2}{b+y} + \frac{2c^2}{c+z} \right) \geq \frac{4\left( a+b+c \right)^2}{4\left( a+b+c \right)} \geq a+b+c$$

計算第 1 題