

$$\therefore \begin{cases} An + B = n^2 & \text{①} \\ Af + B = f^2 & \text{②} \end{cases}$$

由①得: $B = n^2 - An$ ③

将③代入②, 得: $Af + n^2 - An = f^2$

$$Af - f^2 + n^2 - An = 0$$

$$Af - f^2 - An + n^2 = 0$$

$$Af - An - (f^2 - n^2) = 0$$

$$A(f - n) - (f^2 - n^2) = 0$$

$$A(f - n) = f^2 - n^2$$

$$A(\cancel{f - n}) = (f + n)(\cancel{f - n})$$

$$A = f + n$$

将A代入③, 得: $B = n^2 - (f + n)n$

$$= n^2 - (fn + n^2)$$

$$= \cancel{n^2} - fn - \cancel{n^2}$$

$$\therefore \begin{cases} A = f + n \\ B = -fn \end{cases}$$