

$$\begin{aligned} \textcircled{1} \quad & 2b(x-1) - 3a(x-1)c(x-1) \\ & = (x-1)(2b - 3ac) \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad & 8ax + 16ay - 3bx - 6by \\ & = 8a(x+2y) - 3b(x+y) \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad & 287^2 - 287 \cdot 48 + 239 \cdot 713 \\ & = 287(287 - 48) + 239 \cdot 713 \\ & = 287 \cdot 239 + 239 \cdot 713 = \\ & = 239(287 + 713) = 239 \cdot 1000 \\ & = 239000 \end{aligned}$$