

Correction du 31p68

$$\begin{aligned} M &= \frac{14}{25} \times \frac{5}{7} \\ &= \frac{14 \times 5}{25 \times 7} \\ &= \frac{2 \times 7 \times 5}{5 \times 5 \times 7} \end{aligned}$$

$$M = \frac{2}{5}$$

$$\begin{aligned} N &= \frac{8}{27} \times \frac{45}{16} \\ &= \frac{8 \times 45}{27 \times 16} \\ &= \frac{8 \times 5 \times 9}{3 \times 9 \times 2 \times 8} \end{aligned}$$

$$N = \frac{5}{6}$$

$$\begin{aligned} P &= \frac{16}{56} \times \frac{14}{9} \\ &= \frac{16 \times 14}{56 \times 9} \\ &= \frac{4 \times 4 \times 14}{4 \times 14 \times 9} \end{aligned}$$

$$P = \frac{4}{9}$$

$$\begin{aligned} Q &= \frac{32}{63} \times \frac{49}{72} \\ &= \frac{32 \times 49}{63 \times 72} \\ &= \frac{8 \times 4 \times 7 \times 7}{7 \times 9 \times 8 \times 9} \end{aligned}$$

$$Q = \frac{4}{81}$$