

$$\begin{aligned}
 5 \text{ (iii)} \quad & \frac{3^5 \times 10^5 \times 25}{5^7 \times 65} \\
 & = \frac{3^5 \times (2 \times 5)^5 \times 5^2}{5^7 \times (2 \times 3) \times 5} \\
 & = \frac{\cancel{3^5} \times \cancel{2^5} \times 5^5 \times 5^2}{5^7 \times \cancel{2^5} \times \cancel{3^5}} \\
 & = \frac{5^{5+2}}{5^7} \\
 & = \frac{5^7}{5^7} \\
 & = 5^{7-7} \\
 & = 5^0
 \end{aligned}$$

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