

أحسب:

$$\begin{aligned}
 E &= \left(\frac{13}{7} - \frac{5}{14}\right) + \left(\frac{11}{21} + \frac{4}{3}\right) - \frac{13}{28} \\
 &= \left(\frac{26}{14} - \frac{5}{14}\right) + \left(\frac{11}{21} + \frac{28}{21}\right) - \frac{13}{28} \\
 &= \frac{21}{14} + \frac{39}{21} - \frac{13}{28} \\
 &= \frac{3}{2} + \frac{13}{7} - \frac{13}{28} \\
 &= \frac{42}{28} + \frac{52}{28} - \frac{13}{28}
 \end{aligned}$$

$$E = \frac{81}{28}$$

$$\begin{aligned}
 F &= \frac{4}{7} - \left(\frac{6}{7} - \frac{5}{7}\right) + \frac{1}{7} \\
 &= \frac{4}{7} - \frac{1}{7} + \frac{1}{7}
 \end{aligned}$$

$$F = \frac{4}{7}$$

$$\begin{aligned}
 G &= \frac{7}{8} - \left[-\frac{4}{5} - \left(-\frac{2}{3} - \frac{1}{6}\right)\right] \\
 &= \frac{7}{8} - \left[-\frac{4}{5} - \left(-\frac{4}{6} - \frac{1}{6}\right)\right] \\
 &= \frac{7}{8} - \left[-\frac{4}{5} - \left(-\frac{5}{6}\right)\right] \\
 &= \frac{7}{8} + \frac{4}{5} - \frac{5}{6} \\
 &= \frac{105}{120} + \frac{96}{120} - \frac{100}{120}
 \end{aligned}$$

$$G = \frac{101}{120}$$

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