16. Pr(body in fridge | both P and Q say same thing) $= \dfrac{\frac{1}{2}pq}{\frac{1}{2}pq+\frac{1}{2}(1-p)(1-q)} = \dfrac{pq}{1-p-q+2pq}$

Pr(A is in fridge before asking P and Q) $= \dfrac{2}{3}$

so after asking P and Q, Pr $= \dfrac{\frac{2}{3}pq}{\frac{2}{3}pq+\frac{1}{3}(1-p)(1-q)} = \dfrac{2pq}{1-p-q+3pq}$
