$$P = 1 - \left[ \left( \frac{C_3}{C_4} C_{0-7}^2 \right) \left( \frac{C_3}{C_3} C_{11-9}^2 \right) \right] \left[ \frac{C_{10}}{C_{10}} C_{11}^2 \right] = 1 - \left[ \frac{C_3^2 C_3^2}{C_3^2 C_3^2} \right] \left[ \frac{C_3^2 C_3^2}{C_3^2 C_3^2} \right] = 1 - \left[ \frac{C_3^2 C_3^2 C_3^2}{C_3^2 C_3^2} \right] = 1 - \left[ \frac{C_3^2 C_3^2 C_3^2}{C_3^2 C_3^2} \right] = 1 - \left[ \frac{C_3$$

$$\frac{\binom{2}{3}\binom{2}{2}}{\binom{2}{10}\binom{2}{11}} = \frac{\binom{2}{3}}{\binom{2}{10}} \cdot \frac{\binom{2}{3}}{\binom{2}{11}} = \frac{\binom{2}{3}\binom{2}{3}}{\binom{2}{10}\binom{2}{11}} = \frac{\binom{2}{3}\binom{2}{3}\binom{2}{3}}{\binom{2}{10}\binom{2}{10}} = \frac{\binom{2}{3}\binom{2}\binom{2}{3}\binom{2}{3}\binom{2}{3}\binom{2}{3}\binom{2}{3}\binom{2}{3}\binom{2}{3}\binom{2}{3}\binom{2}{3}\binom{2}{3}\binom{2}{3}\binom{2}{3}\binom{2}{3}\binom{2}{3}\binom{2}{3}\binom{2}{3}\binom{2}\binom{2}{3}\binom{2}{3}\binom{2}\binom{2}{3}\binom{2}\binom{2}{3}\binom{2}\binom{2}\binom{2}{3}\binom{2}\binom{2}\binom{2}\binom{2}\binom{2}\binom{2}$$

$$=\frac{10.8}{3.5} \cdot \frac{11.10}{5.1} = \left(\frac{10}{3} \cdot \frac{3}{5}\right) \cdot \left(\frac{11}{5} \cdot \frac{10}{1}\right) =$$

$$= \frac{2 \cdot 2 \cdot 3}{2 \cdot 10 \cdot 10 \cdot 11} = \frac{1}{3 \cdot 5 \cdot 5} = \frac{1}{3 \cdot 25} = \frac{1}{75}$$

$$(1) = 1 - \frac{1}{75} = \frac{75 - 1}{75} = \frac{74}{75}$$

## Omlen:

$$P = 1 - \frac{C_3^2 C_2^2}{C_1^2 C_1^2} = \frac{74}{75}$$