

$$P(X \geq 5) = \sum_{x=5}^{\min(6,9)} \frac{\binom{9}{x} \binom{14-9}{6-x}}{\binom{14}{6}} = \frac{\binom{9}{5} \binom{14-9}{6-5} + \binom{9}{6} \binom{14-9}{6-6}}{\binom{14}{6}}$$

$$= \frac{\binom{9}{5} \binom{5}{1} + \binom{9}{6} \binom{5}{0}}{\binom{16}{6}} = \frac{125(5) + 84(1)}{3003} = 0.2378$$

# Erlkönig und Mathematik

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Vivien Altmann

und

Gabriel Altmann

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