

Krasbal

13. $\binom{8}{4} \cdot \binom{4}{2} = 420$

14. kleinste lengte: PD \rightarrow 2
grootste lengte: VVVVPMPMPD \rightarrow 10

15. $P(VVPD) + P(PMPD) = \frac{4}{8} \cdot \frac{3}{7} \cdot \frac{4}{6} \cdot \frac{2}{4} + \frac{4}{8} \cdot \frac{2}{4} \cdot \frac{3}{7} \cdot \frac{2}{3} = \frac{1}{7}$

16. $P(x \geq 8) = 1 - P(x \leq 7) = 1 - \text{binomcdf}(10, \frac{1}{2}, 7) = 0,055$