

## Balansspel

$$5. \quad P = \frac{\binom{20}{4} \cdot \binom{10}{2}}{\binom{30}{6}} = 0,367$$

$$6. \quad P = \frac{2}{5} \cdot \frac{1}{4} \cdot \frac{1}{5} = 0,02$$

$$7. \quad P = \frac{1}{5} \cdot \frac{2}{5} = 0,08$$

$$8. \quad \binom{10}{8} = \frac{10!}{2!8!} = 45$$

$$9. \quad \text{Aantal mogelijkheden: } \binom{15}{8} - 3 \cdot 45 = 6300$$