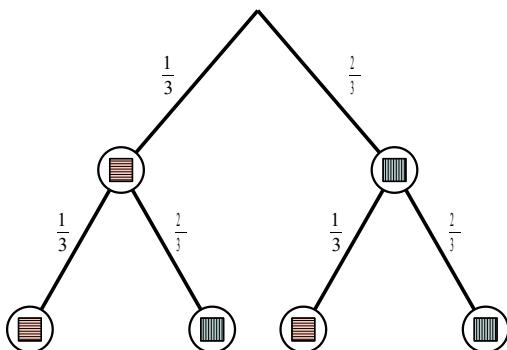




Aufgaben zu mehrstufigen Zufallsexperimenten (Lösungen)

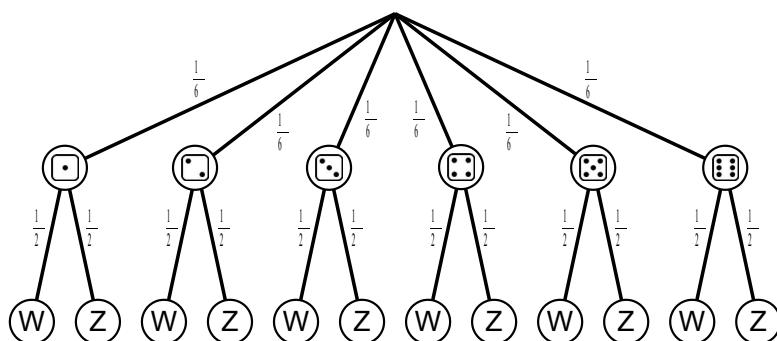
Mehrstufige Zufallsexperimente

a)



- ◆ $\begin{array}{c} \text{---} \\ \text{---} \end{array} \hat{=} h, \begin{array}{c} \text{---} \\ \text{---} \\ \text{---} \end{array} \hat{=} v, \Omega = \{(h,h), (h,v), (v,h), (v,v)\}$
- ◆ $P(h,v) = \frac{1}{3} \cdot \frac{2}{3} = \frac{2}{9}$

b)



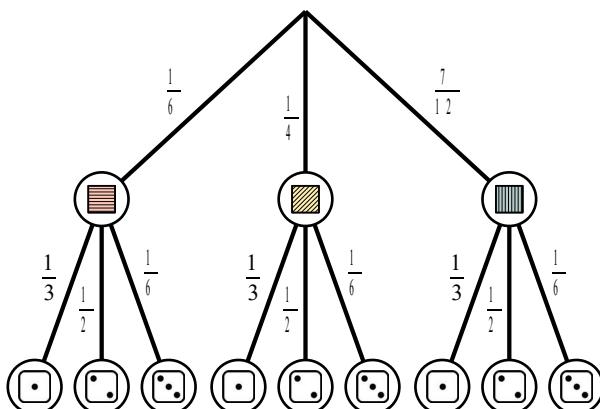
- ◆ $\Omega = \{(1,W), (1,Z), (2,W), (2,Z), (3,W), (3,Z), (4,W), (4,Z), (5,W), (5,Z), (6,W), (6,Z)\}$
- ◆ $P(4,v) = \frac{1}{6} \cdot \frac{1}{2} = \frac{1}{12}$





Wahrscheinlichkeitsrechnung

c)

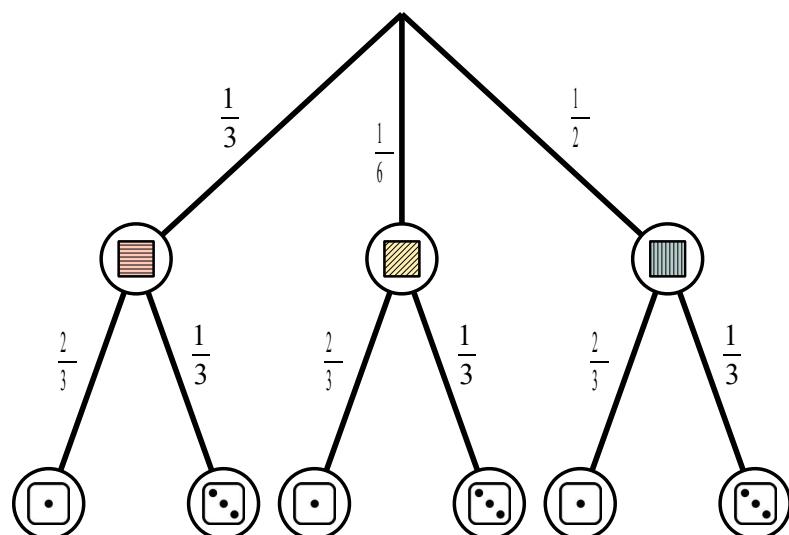


◆ $\blacksquare \cong h$, $\blacksquare \cong d$, $\blacksquare \cong v$, $\Omega = \{(h,1), (h,2), (h,3), (d,1), (d,2), (d,3), (v,1), (v,2), (v,3)\}$

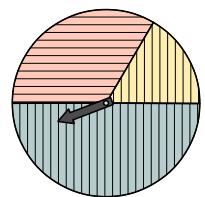
◆ $P(d,2) = \frac{1}{4} \cdot \frac{1}{2} = \frac{1}{8}$

Baumdiagramm

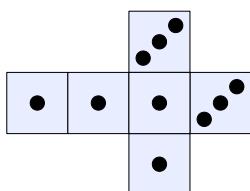
a)



b)



c)



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