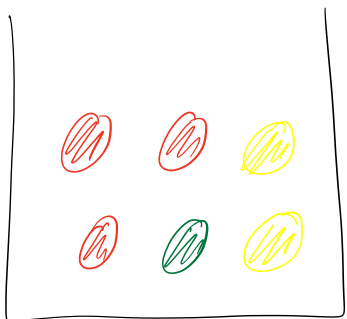
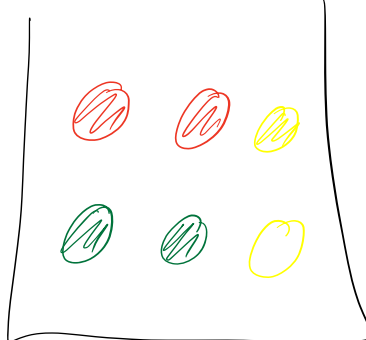


3R 1V 2J

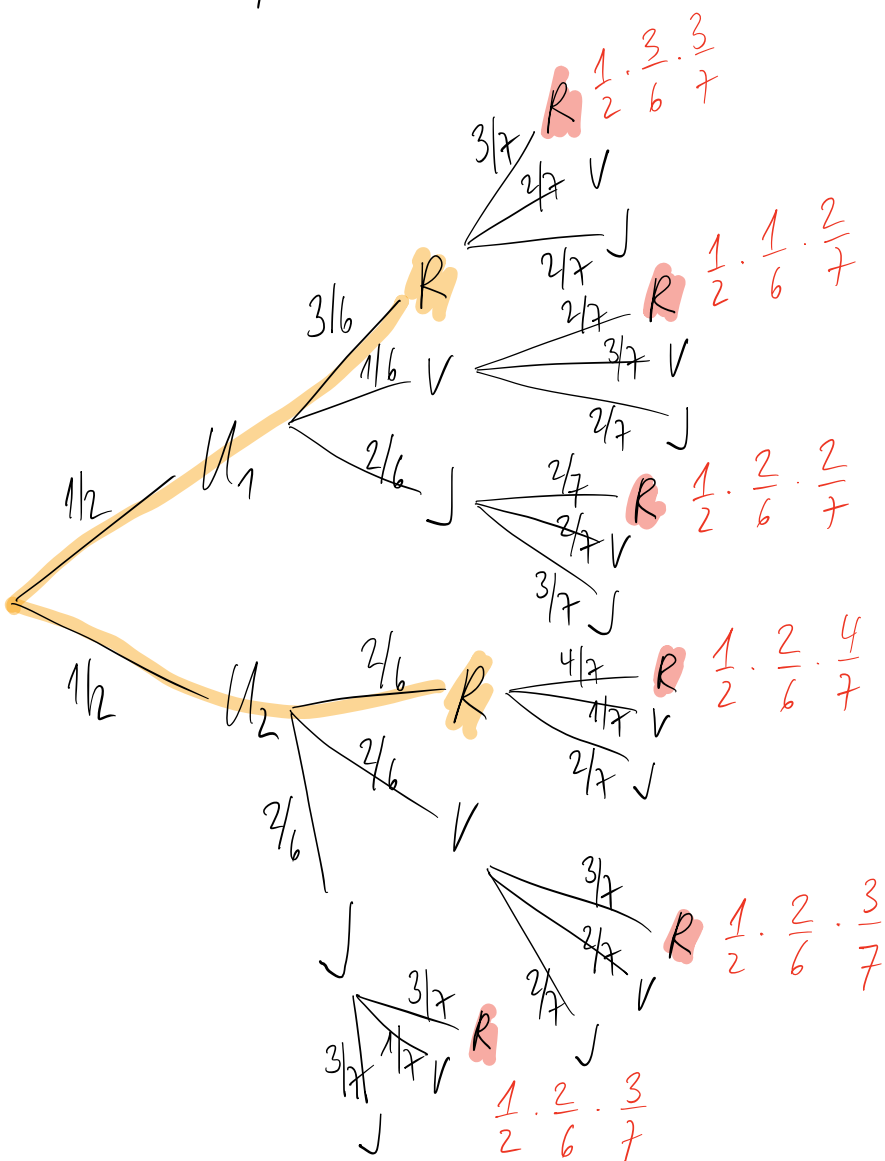


U_1

2R 2V 2J



U_2



$$2) p(R) = \frac{3}{28} + \frac{1}{42} + \frac{1}{21} + \frac{2}{21} + \frac{1}{14} + \frac{1}{14}$$

$$= \frac{5}{12} \approx 41,67\% \quad \underbrace{\hspace{10em}}_{p(RR)}$$

$$b) p(?R | R?) = \frac{p(?R \text{ et } R?)}{p(R?)}$$

$$= \frac{\frac{1}{2} \left(\frac{9}{42} + \frac{8}{42} \right)}{\frac{1}{2} \cdot \frac{3}{6} + \frac{1}{2} \cdot \frac{2}{6}}$$

$$= \frac{\frac{17}{84}}{\frac{1}{4} + \frac{1}{6}} = \frac{17/84}{5/12}$$

$$= \frac{17 \cdot 12^1}{7 \cdot 84 \cdot 5} = \frac{17}{35} \approx 48,57\%$$

$$c) \frac{3}{6} \cdot \frac{3}{7} + \frac{1}{6} \cdot \frac{2}{7} + \frac{2}{6} \cdot \frac{2}{7} = \frac{9}{42} + \frac{2}{42} + \frac{4}{42} = \frac{15}{42}$$

$$= \frac{5}{14} \approx 35,71\%$$

$$d) p(U_1 / ?R) = \frac{p(U_1 \text{ et } ?R)}{p(?R)}$$

question 2)

$$p(U_1 \text{ et } ?R) = \frac{1}{2} \cdot \frac{5}{14}$$

question c)

Ans:

$$p(U_1 / ?R) = \frac{5/28}{5/12} = \frac{12}{28} = \frac{3}{7}$$

$$\approx 42,86\%$$