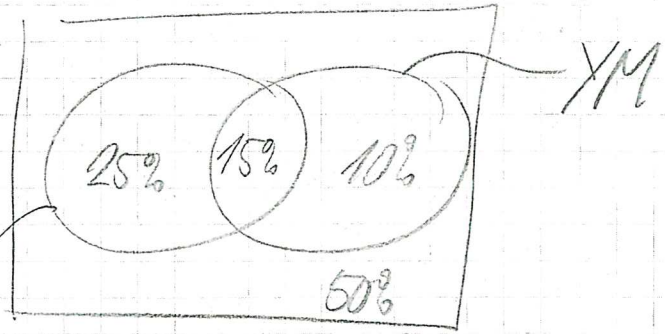


4.3.9

a) $\frac{15}{40} = \frac{3}{8} = 37,5\%$
CB

b) $\frac{10}{25} = \frac{2}{5} = 40\%$

c) 50%



4.3.8

a) $\frac{2}{6} = \frac{1}{3}$

b) $\frac{3}{11}$

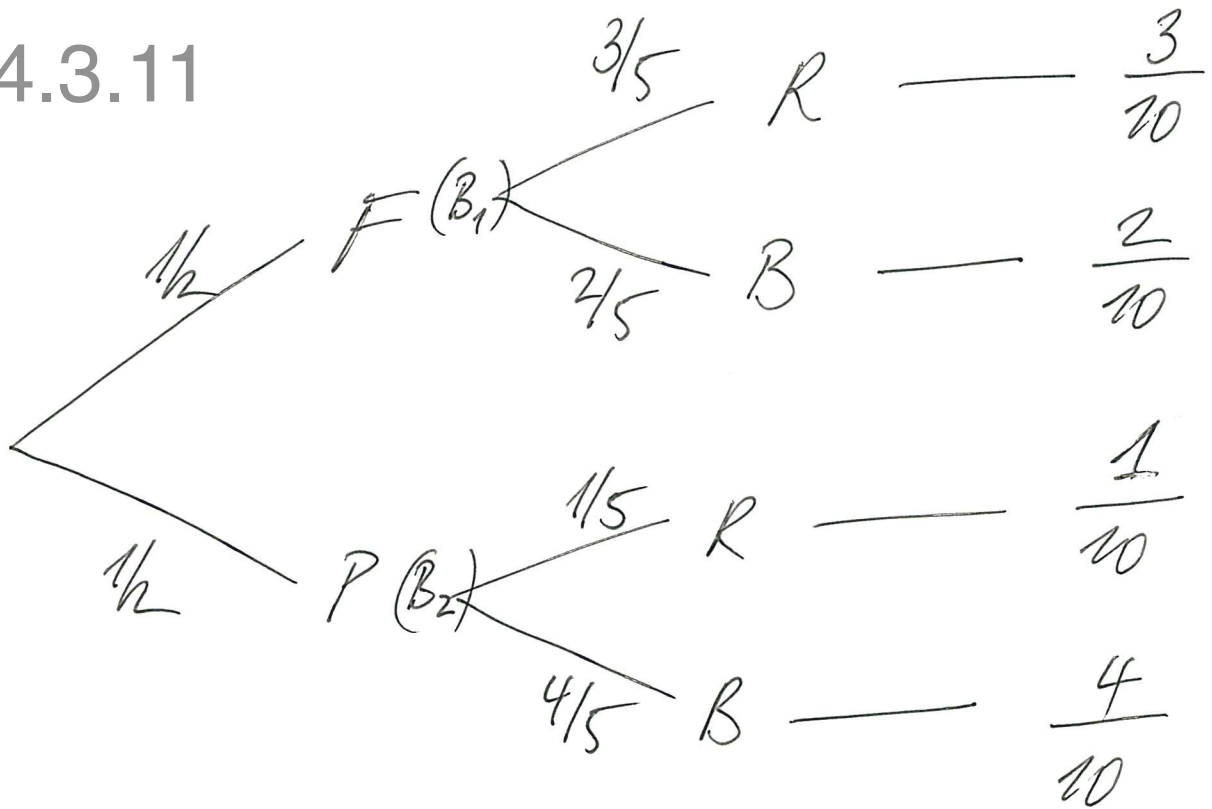
c) $\frac{4}{30} = \frac{2}{15}$

d) $\frac{4}{30} = \frac{2}{15}$

1,1	1,2	1,3	1,4	1,5	1,6
2,1	2,2	2,3	2,4	2,5	2,6
3,1	3,2	3,3	3,4	3,5	3,6
4,1	4,2	4,3	4,4	4,5	4,6
5,1	5,2	5,3	5,4	5,5	5,6
6,1	6,2	6,3	6,4	6,5	6,6

Somme supérieure à 9

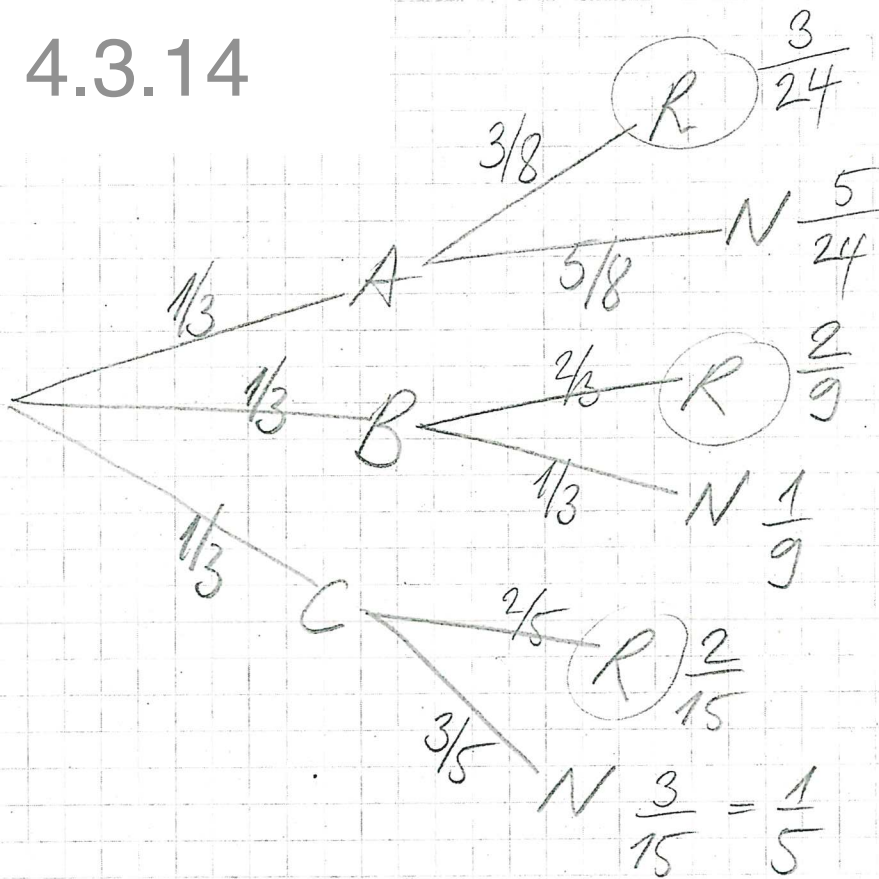
4.3.11



$$P(B_1 \text{ si } R) = \frac{p(B_1 \& R)}{p(R)}$$

$$= \frac{\frac{3}{10}}{\frac{3}{10} + \frac{1}{10}} = \frac{3}{10} \cdot \frac{10}{4} = \frac{3}{4} = 75\%$$

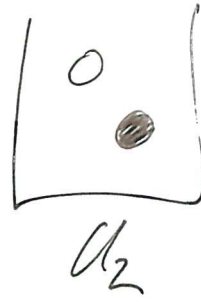
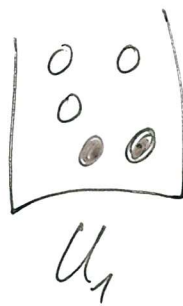
4.3.14



$$\begin{aligned}
 \text{a) } P(R) &= \frac{3}{24} + \frac{2}{9} + \frac{2}{15} \\
 &= \frac{45 + 80 + 48}{360} = \frac{173}{360}
 \end{aligned}$$

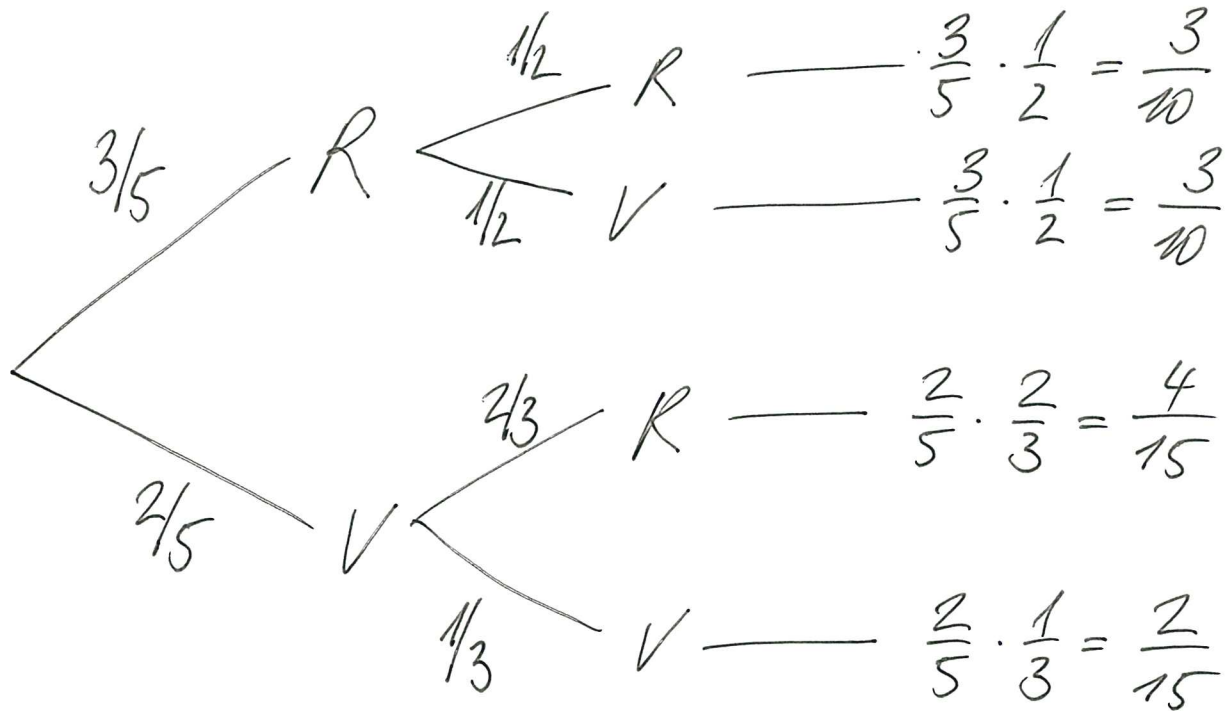
$$\begin{aligned}
 \text{b) } P(A \text{ \& } R) &= \frac{\frac{3}{24}}{\frac{173}{360}} = \frac{3 \cdot 360^{15}}{24 \cdot 173} \\
 &= \frac{45}{173}
 \end{aligned}$$

4.3.15



R: ○

V: ●



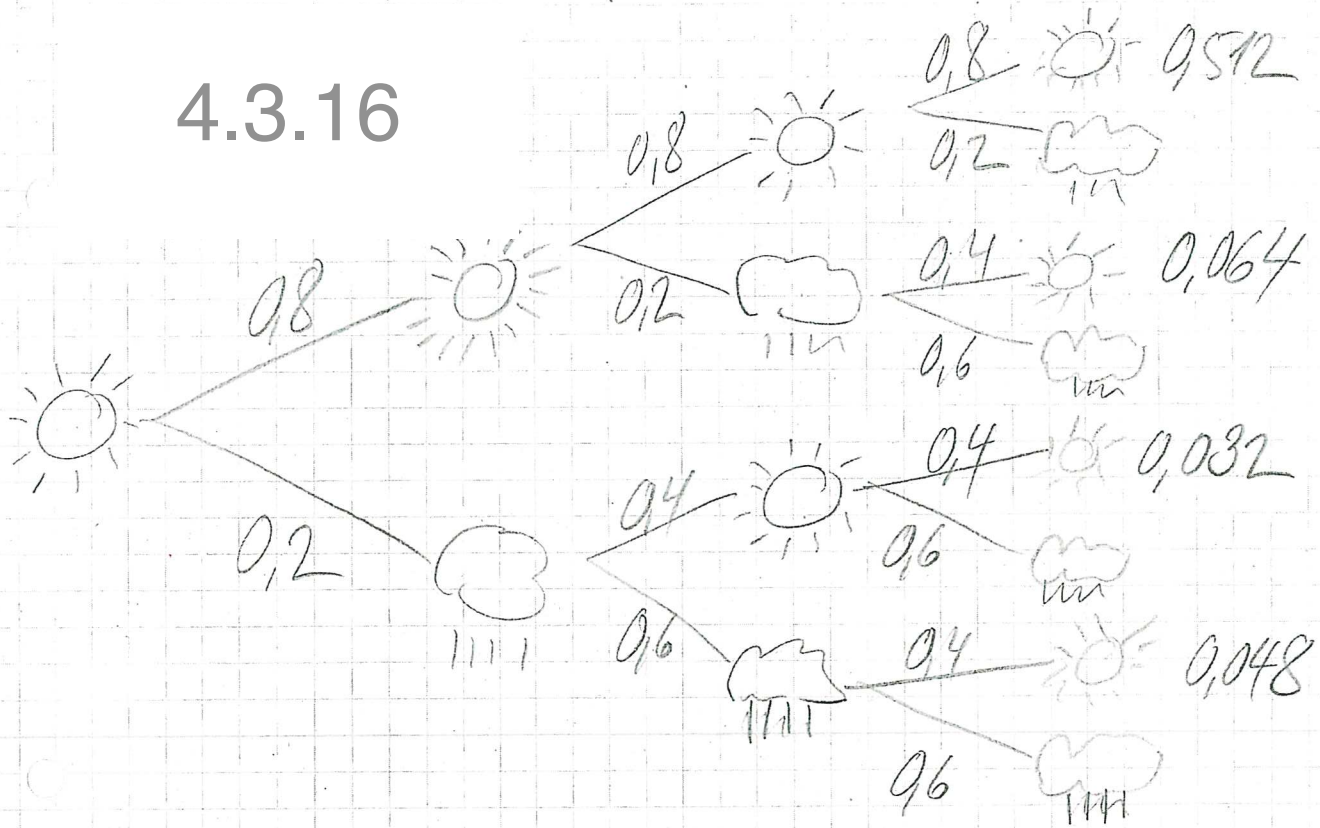
$$a) p(R) = \frac{3}{10} + \frac{4}{15} = \frac{17}{30} \approx 56,7\%$$

$$b) p(R \text{ si } 1^{\text{ere}} R) = \frac{1}{2} = 50\%$$

$$c) p(1^{\text{ere}} R \text{ si } R) = \frac{p(1^{\text{ere}} R \& R)}{p(R)}$$

$$= \frac{3/10}{17/30} = \frac{3}{10} \cdot \frac{30}{17} = \frac{9}{17} \approx 52,9\%$$

4.3.16



a) $p(3 \text{ jours de beau}) = 0,8^3 = 0,512$

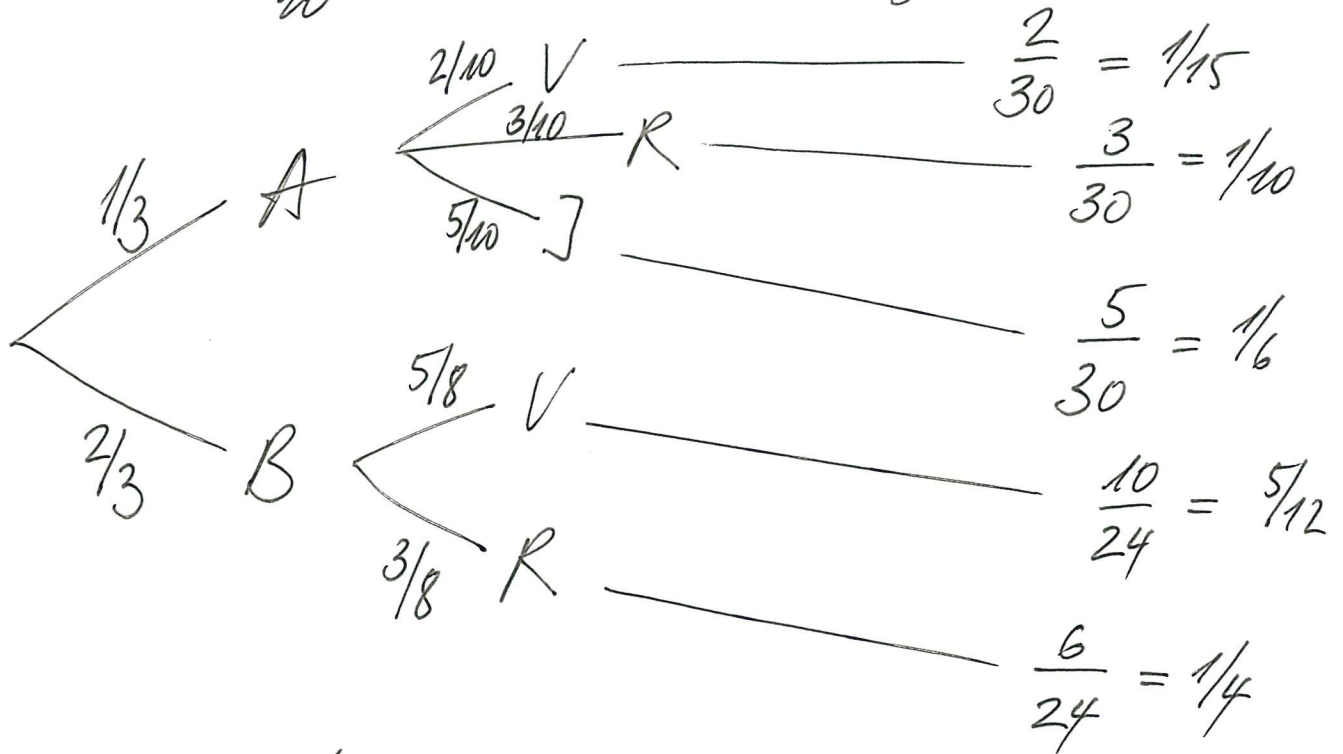
b) $p(\text{beau}) = 0,048 + 0,032 + 0,064 + 0,512$
 $= 0,656$

4.3.17

$$p < 3 : 1, 2$$

$$p \geq 3 : 3, 4, 5, 6$$

$$A: \underbrace{2V \ 3R \ 5J}_{10} / B: \underbrace{5V \ 3R}_8$$



$$a) p(V) = \frac{1}{15} + \frac{5}{12} = \frac{29}{60} \approx 48,3\%$$

$$b) p(V \text{ si } p \geq 3) = \frac{5}{8} = 62,5\%$$

$$c) p(p < 3 \text{ si } R) = \frac{\frac{1}{10}}{\frac{1}{10} + \frac{1}{4}} = \frac{1}{10} \cdot \frac{20}{7} = \frac{2}{7} \approx 28,6\%$$

$$d) p(p \geq 3 \text{ si } J) = 0\%$$