

DM n° 11

Exercice 63 page 164 (devoir maison)

1) On a :

$$p(CM) = \frac{215 + 129 + 99 + 29}{215 + 129 + 99 + 29 + 54 + 67 + 58 + 83} = \frac{472}{734} = \frac{236}{367}$$

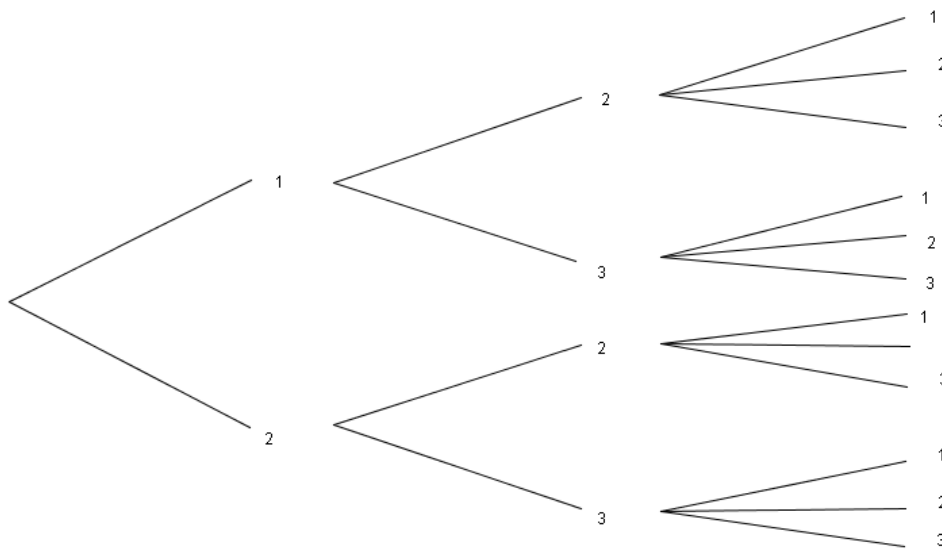
2) On a

$$p(a) = \frac{215 + 129}{472} = \frac{43}{59} ; p(b) = \frac{54 + 67}{262} = \frac{121}{262}$$

3) On a :

$$p = \frac{215 + 129}{465} = \frac{344}{465}$$

Exercice 67 page 164 (devoir maison)



$$p(A) = \frac{10}{12} = \frac{5}{6} ;$$

$$p(B) = \frac{3}{12} = \frac{1}{4} ;$$

$$p(C) = \frac{4}{12} = \frac{1}{3} ; p(D) = \frac{1}{2}$$

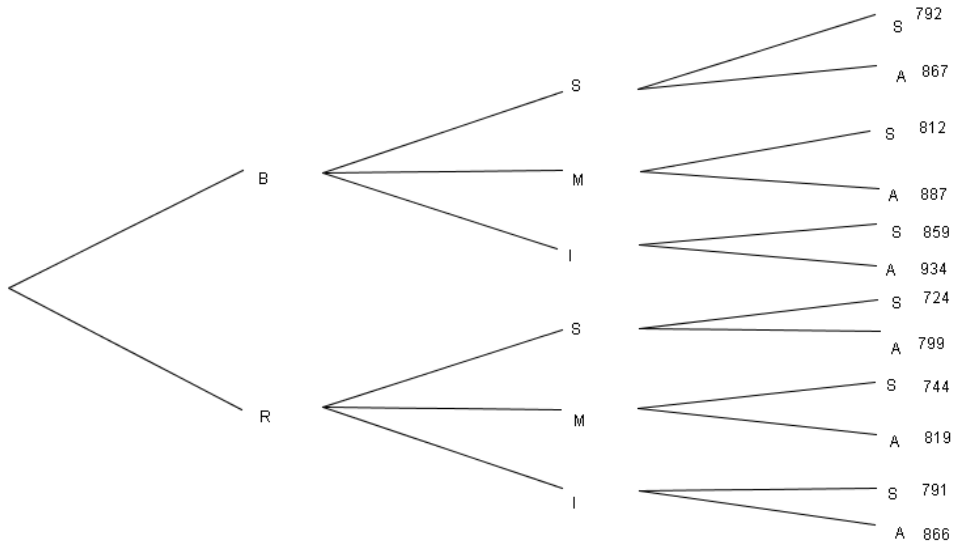
$$p(A \cap C) = \frac{4}{12} = \frac{1}{3} ;$$

$$p(B \cap C) = \frac{3}{12} = \frac{1}{4} ;$$

$$p(A \cup C) = \frac{10}{12} = \frac{5}{6} ;$$

$$p(B \cup C) = \frac{4}{12} = \frac{1}{3}$$

Exercice 73 page 165



$$p = \frac{5}{12}$$