

A

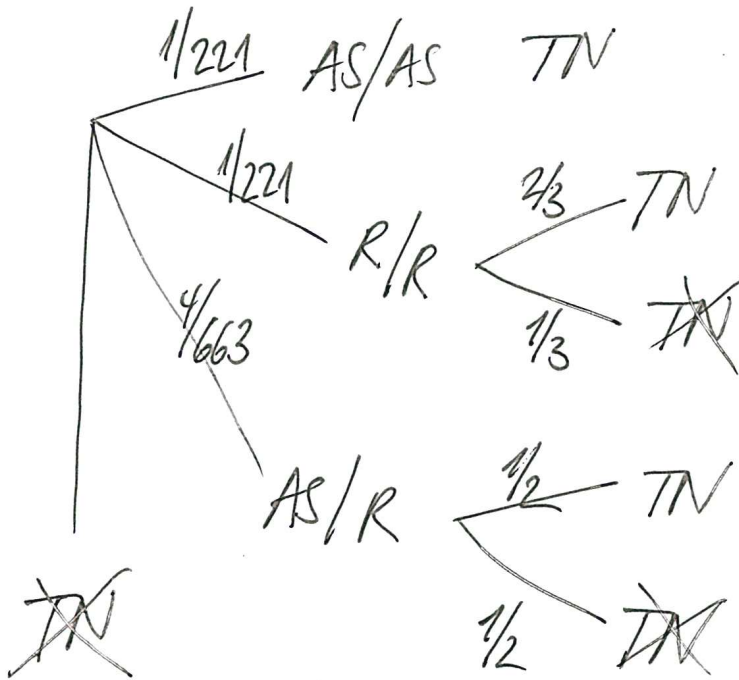
C A B L N
C A A A

$$\frac{w!}{2!4!}$$

B

$$a) \frac{C_2^4}{C_2^{52}} = \frac{6}{1326} = \frac{1}{221}$$

b)



$$\begin{aligned}
 P &= \frac{1}{221} \\
 &+ \frac{2}{3} \cdot \frac{1}{221} \\
 &+ \frac{1}{2} \cdot \frac{8}{663} \\
 &= \frac{9}{663} \approx 1,06\%
 \end{aligned}$$

$$P(AS/R) = \frac{C_1^4 \cdot C_1^4}{C_2^{52}} = \frac{8}{663}$$

$$c) P((AS/AS)/TN) = \frac{1/221}{9/663} = \frac{3}{9} \approx 33,3\%$$

C

CHAMB. 2017

Choix du type de carte: 2, 3, ..., V, D, R, AS

$$a) P(1 \text{ paire}) = \frac{C_1^{13} \cdot C_2^4}{C_2^{52}} = \frac{13 \cdot 6}{1326} = \frac{1}{17}$$

$$b) \left[C_2^4 \cdot \left(\frac{1}{17}\right)^2 \cdot \left(\frac{16}{17}\right)^2 \right] \cdot \left(\frac{16}{17}\right)^3$$

$$= 6 \cdot \left(\frac{1}{17}\right)^2 \cdot \left(\frac{16}{17}\right)^5 \approx 0,0153$$

$$\approx 1,53\%$$