

A

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A
A

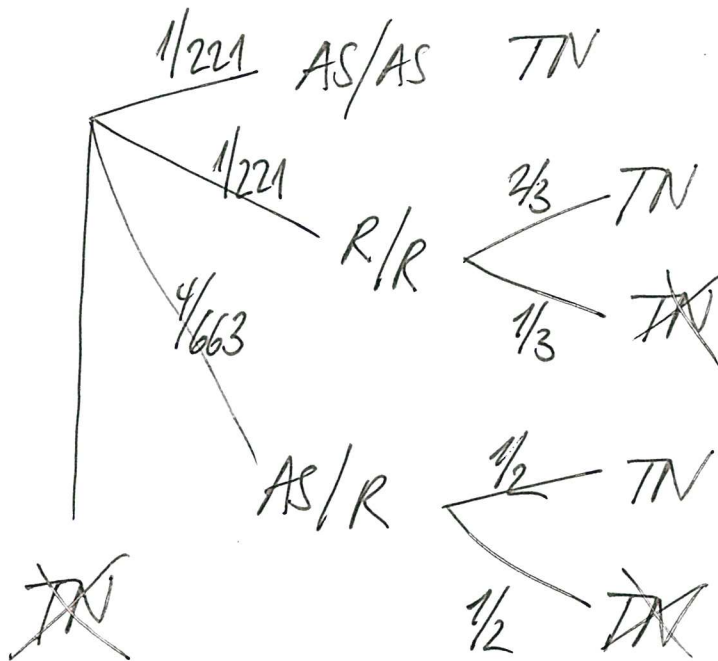
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$$\frac{10!}{2!4!}$$

B

$$2) \frac{C_2^4}{C_2^{52}} = \frac{6}{1326} = \frac{1}{221}$$

6)



$$P = \frac{1}{221} + \frac{2}{3} \cdot \frac{1}{221} + \frac{1}{2} \cdot \frac{4}{663} = \frac{7}{663} \approx 1,06\%$$

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

$$c) P((AS/AS)/TN) = \frac{1/221}{7/663} = \frac{3}{7} \approx 42,9\%$$

C

CHAMP. 2017

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

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

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

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

$$\approx 1,53\%$$