Ma 3b Practical – Recitation 2, More on combinatorics.

February 27, 2025

Exercise 1. Draw 10 cards from 52 cards without replacement. What is the probability that the second A appears at the 10th place?

Exercise 2. One card is distributed to three plays from 52 cards. What is the probability that at least two of them have A? Two cards are distributed to three plays from 52 cards. What is the probability that at least two of them have one A one 10?

Exercise 3. If we have A,B,C,D, four players, and each of them have 13 cards. What is the probability that exactly two of them have $A, 10$

Exercise 4. If we have A,B,C,D, four players shareing 52 cards, suppose A have 2A,

1. what is the probability P(B have 2A)?

2. P(A is the only player with 2A)