



Problem of the Week

Problem E

Favourite Number 3

Matej told his friend Clare the following properties about his favourite number:

- It is a positive seven-digit integer.
- It contains each of the digits from 1 through 7 exactly once.
- The first digit is not 1.
- The second digit is not 2.

Clare then wrote down a number satisfying all these properties. What is the probability that the number Clare wrote was Matej's favourite number?

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