



Problem of the Week

Problem C

Favourite Number 1

The *digit sum* of a positive integer is the sum of all its digits. For example, the digit sum of the integer 2345 is $2 + 3 + 4 + 5 = 14$.

Isaac announced that his favourite number is a five-digit positive integer with a digit sum of 3. Radhika then wrote down a five-digit positive integer with a digit sum of 3. What is the probability that the number Radhika wrote was Isaac's favourite number?

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