

Day 3: Basic Probability Puzzles #6

Objective

In this challenge, we practice calculating probability.

Task

Bag X contains 5 *white* balls and 4 *black* balls. Bag Y contains 7 *white* balls and 6 *black* balls. You draw 1 ball from bag X and, without observing its color, put it into bag Y . Now, if a ball is drawn from bag Y , find the probability that it is *black*.

Output Format

In the editor below, submit your answer as *Plain Text* in the form of an irreducible fraction A/B , where A and B are both integers.

Your answer should resemble something like:

3 / 4

(This is **NOT** the answer, just a demonstration of the answer format.)