Day 2: Basic Probability Puzzles #3

HackerRank

Objective

In this challenge, we practice calculating probability.

Task

There are 3 urns: X, Y and Z.

- Urn X contains 4 red balls and 3 black balls.
- Urn Y contains 5 red balls and 4 black balls.
- Urn Z contains 4 red balls and 4 black balls.

One ball is drawn from each urn. What is the probability that the 3 balls drawn consist of 2 red balls and 1 black ball?

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:

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3/4
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(This is **NOT** the answer, just a demonstration of the answer format.)