Day 2: Compound Event Probability

Objective

In this challenge, we practice calculating the probability of a compound event. We recommend you review today's <u>Probability Tutorial</u> before attempting this challenge.

Task

There are 3 urns labelled 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 of the 3 urns. What is the probability that, of the 3 balls drawn,2 are red and 1 is black?

- 0 10 / 63
- 0 2/7
- 0 17/42
- 0 31 / 126