

Day 2: Compound Event Probability

 hackerrank.com/challenges/s10-mcq-3/problem

Objective

In this challenge, we practice calculating the probability of a compound event. We recommend you review today's [Probability Tutorial](#) before attempting this challenge.

Task

There are 3 urns labeled 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?

10 / 63

2 / 7

17 / 42

31 / 126

You have 3 attempts left.