Find Nessie

Find Nessie - a Monty Hall problem
https://en.wikipedia.org/wiki/Monty_Hall_problem

You are in the Scottish Highlands to catch a glimpse of the legendary Loch Ness monster, Nessie. You have heard that the monster has been spotted in three lakes.

You choose to travel to one of the lakes as it is has the most sightings but arriving at a cross road, a local fisherman tells you that the monster might be at the lake you are traveling to but not at the second lake and suggests that you go the third lake instead.

What is the probability of finding Nessie if you change your mind and go to the third lake instead of the first ?

Create a REST endpoint using spring-boot
http://projects.spring.io/spring-boot/ that runs one simulation, then make an integration test that calls this endpoint enough times for you to answer the question above.