1. A popular video game company sent their futuristic product to a couple of quality control operations in Arstotzka (Q_A) and Stardew (Q_S). The proportion of biomes sent to Artotzka is 0.32, and the rest went to Stardew. Given that the biome was sent to Arstotzka, the probability that the quality control operation finds a bug is 13 percent. Given that the biome was sent to Stardew, the probability that the quality control operation finds a bug is 55 percent. Compute the Bayesian odds of Q_A to Q_S given that a bug was found.

$$\frac{P(Q_A|B)}{P(Q_S|B)}$$