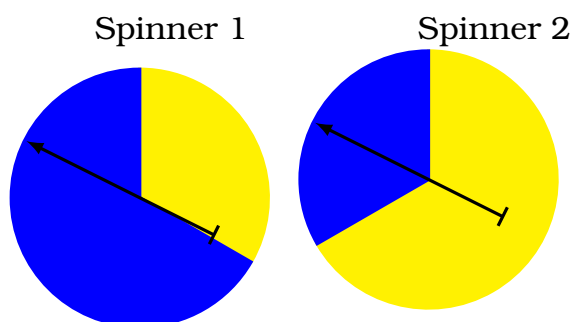


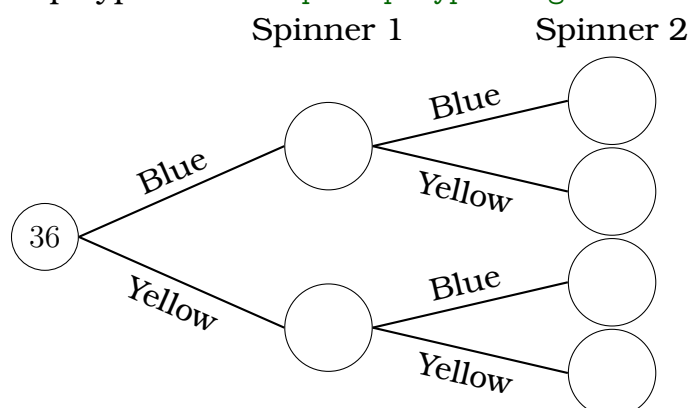
3.6 Lesson 6 Probability Tree diagrams

Exercise 12

The spinners are spun together.



polypad link <https://polypad.org/c7MCnrZR2Lf6A>



1. List all of the possible outcomes

2. We spin both spinners 36 times.

a) Estimate the number of blue outcomes for spinner 1.

b) For a blue spinner 1, estimate the number of blue outcomes for spinner 2.

c) Estimate the probability of both spinners at blue.

Probability trees are a handy tool to calculate probabilities of outcomes made of a **sequence of events** (2 or more) :

- A path on the tree leads to a final outcome.
- All final outcomes are mutually exclusive.
- The probability of a final outcome is the product of probabilities along branches.
- Probabilities on branches from the same node add up to 1.

