**A Cat, a Parrot, and a Bag of Seed:**

**Problem:**

A man has to use his boat with limited space to carry himself and one of his 3 items, a parrot, a cat, and a bag of seed. He is faced with the dilemma that if he only takes one at a time, he risks losing one of the items.

**Goal**:

To get all 3 items across the river via his boat without incident or loss to all 3 items.

**Smaller Problem/Constraints:**

* Parrot will eat seeds if two are left alone while man transports his cat across the river.
* Cat will eat parrot if left alone while man transports seed across river.
* Boat only has room for man and one item to transport.

**What isn’t visible from word problem:**

* The size of the boat
* What type of boat (motor, row, etc.)
* The river’s current and direction
* The weather on that particular day
* The size of the bag of seed
* The size and type of cat
* The size and type of parrot
* How wide is the river from bank to bank
* How much travel time between river banks
* What items are of significant importance
* Is the boat in a port or in the wilderness? Is there civilization around?