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

A man finds himself on a riverbank with a cat, a parrot and a bag of seed. He needs to transport all three to the other side of the river in his boat. However, the boat has room for only the man himself and one other item (either the cat, parrot or seed). In his absence, the cat could eat the parrot, and the parrot would eat the bag of seed. Show how he can get all the passengers to the other side, without leaving the wrong ones alone together.

**Define the problem. What is the goal? Any insight that isn’t immediately apparent.**

The goal is for the man to transport all of the items across the river. The problem is that the boat is not big enough to transport all of the items at the same time.

**What are the constraints? Sub-problems?**

**What are potential solutions?**

**Evaluate each solution?**

**Explain the solution in detail.**