Problem Solving

Problem 1: A Cat, Parrot and a Bag of Seed

Defining the problem and breaking it apart: We have a man, a cat, a parrot and a bag of seed that need to be transported across the river.

However, the boat only has enough room to hold the man and one other for each trip. He cannot leave the cat alone with the parrot because the cat will eat the parrot and the parrot will eat the seed if left alone with it.

Thinking of Possible Solutions: The man could take the parrot across the river first because the cat won’t eat the seed. But then when he returns to bring either the seed or the cat across, you now have the dilemma of the cat alone on the other side with the parrot or the parrot with the seed.