A Cat, a Parrot, and a Bag of Seed

1. Define the Problem
   1. A man has a cat, parrot and a bag of seed and needs to cross a river. He only has room in his boat for him and one other item. If the man is not present the cat would eat the parrot or the parrot would eat the seed. He needs to cross the river with all three items.
2. Breaking the Problem apart
   1. Crossing the river with himself and one other item
   2. Can not leave the Cat and Parrot alone
   3. Can not leave the Parrot and seed alone
   4. Can leave the Seed and Cat alone.
   5. All need to cross the river
3. Identify Potential Solutions
   1. Cross the river with himself and item, and the other items will ok together
   2. Leave the cat and the seed alone while you take the parrot over
   3. Leave the Parrot and cat alone while you take the seed over
   4. Take the Parrot over while you leave the other two alone
4. Evaluate each Solution
   1. Each Solutions meets the goals but does not work in all cases.