**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.**

Our goal is to get everything to the other side of the river without leaving certain items together. The constraints are: the bird and can’t can not be left alone, nor can the parrot and the bag of seed. In a situation like this I can only think of a single solution.

1. The man brings the parrot over

2. He goes back to get the bag of seed

3. He drops the bag of seed off and takes the parrot

4. He drops the parrot of on the original side and takes the cat

5. He drops the cat off to be with the seed

6. He goes back to get the parrot

7. He brings the parrot over and now they are all on the other side