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SDI-1015

Activity Problem Solving

1. 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.
   1. Define The Problem
      1. The man needs to get all his items across to the other side of the river but has certain restrictions on which of the items can be left alone together due to conflicts that may arise.
      2. At some point he is going to need to take a trip back to the starting shore and bring one of the items back with him.
      3. The mans overall goal is to get everything to the other side of the river with out loosing any of the items due to conflict.
   2. Break The Problem Apart
      1. The constraints would include if he leaves the cat and the parrot alone together then the cat will eat the parrot, if the parrot and the seed a