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SDI Sec 02

Problem Solving

1. **A Cat, a Parrot, and a Bag of Seed:**

In order to solve this problem, in which a man is trying to get a cat, parrot, and bag of seed across the river one at a time, without leaving a conflicting pair on one side, can be solved with a well-planned strategy. The first step would be to take the parrot across, leaving the cat and seed, as the cat would not eat the seed. Upon leaving the parrot, the man would return for the seed. When he leaves the seed on the opposite side, he would then take the parrot with him to the starting side of the river. Here he would leave the parrot, and bring with him the cat. After leaving the cat with the seed, he would return back for the parrot, bring it over, and would have successfully brought all three across the river without worry of one eating the other.

1. **Socks in the Dark:**
2. **Predicting Fingers:**