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web programming  
problem solving

**A cat, a parrot, and a bag of seed:**

1. **Define the problem**

**A.)** A man has three objects to cross a river with and cant leave two items together.

**B.)** Problemincludes more than one trip

**c.)** The overall goal is to cross the river with all three items alive and intact.

**2.) Break the problem apart**

**a.)** The constraints include leaving the cat with the parrot and leaving the parrot with the bag of seed.  **B.)** Keep everything alive

**3.) Identify potential solution**

**a)** Don’t leave the wrong items behind

**4.) Evaluate each potential solution** **a.)** Yes they do

**b.)** yes it works

**5.) Choose a solution and develop a plan to implement it  
  
A.)** Start with transferring the cat then take the bag of seed followed by the parrot.

**b**.) I tried taking the parrot first but then I would be left with two items that once I cross the rive would either consume the parrot or be consumed by the parrot

**Socks in the dark**

1. **Define the problem**

**A.)** The probability of getting at least one matching pair of socks based by color in a sock drawer in the dark.

**B.)** Why is there no light?,

**c.)** The overall goal is to cross the river with all three items alive and intact.

**2.) Break the problem apart**

**a.)** The constraints include leaving the cat with the parrot and leaving the parrot with the bag of seed.  **B.)** Keep everything alive

**3.) Identify potential solution**

**a)** Don’t leave the wrong items behind

**4.) Evaluate each potential solution** **a.)** Yes they do

**b.)** yes it works

**5.) Choose a solution and develop a plan to implement it  
  
A.)** Start with transferring the cat then take the bag of seed followed by the parrot.

**b**.) I tried taking the parrot first but then I would be left with two items that once I cross the rive would either consume the parrot or be consumed by the parrot

**Predicting fingers**

**1.) Define the problem**

**2.) Break the problem apart**

**3.) Identify potential solution  
4.) Evaluate each potential solution  
5.) Choose a solution and develop a plan to implement it**