A Cat, a Parrot, and a Bag of Seed

1.

a. The man on the boat must transport the three items across the river without leaving two behind that will eat something.

b. That no matter what you do if there is only one space available something is getting eaten.

c. To get everything over the river without losing one.

2.

a. The constraints are that the man only has room for one other item in his boat at a time.

b. There are no sub goals.

3.

a. A solution for all the problems would be 2 cages one for the cat and one for the bird to keep the cat away from bird and the bird away from the seeds.

4.

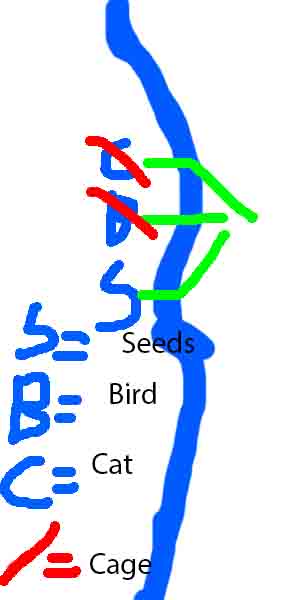
a. The solution does meet the goals.

b. And it will work in ALL cases.

5.

a. First you would put the cat and bird in the cage, then you would take the bird across the river, then you would take the cat, and finally the seeds.

b.



Socks in the Dark

1.

a. Its dark and you are required to sort the socks.

b.