

Homework Set 1

1. There is an island called Bellandia, and on Bellandia, there are two types of people. There are knights, which always tell the truth, there are liars, which always lie. Suppose you are on Bellandia, and you meet two people, Larry and Jerry, each of which could be a knight or a liar. Larry says "At least one of myself and Jerry is a liar." What are Larry and Jerry? How do you know?



2. Challenge Problem: While you are on Bellandia, you meet June and Joann, each of whom could be a knight or a liar. Suppose June says "I am a liar, but Joann isn't." What are June and Joann? How do you know?