

Homework Set 2

1. While on the island of Bellandia you again meet three locals: Andrew, Billy, and Canvas. Your conversation with the locals goes as follows:

You: "Andrew, how many knights are among you?"

Andrew: *indistinguishable mumbling*

You: "Billy, what did Andrew say?"

Billy: "Andrew said that there is one knight among us."

Canvas: "Don't believe Bob; he is lying!"

From your conversation, who are Billy and Canvas? And why?

2. Challenge Problem: In the Forest of Forgetfulness, the Lion lies on Mondays, Tuesdays, and Wednesdays and always tells the truth on other days. On what days of the week is it possible for the Lion to make the two following statements:

(1) I lied yesterday

(2) I will lie again tomorrow.

