A logician is vacationing and finds herself on an island inhabited by two tribes; one of people who always lie and one of people who always tell the truth. She comes to a fork in a road and has to ask a bystander which branch she should take to reach a village. She has no way of telling whether the native is a truth-teller or a liar. The logician thinks a moment, then asks one question only. From the reply the logician knows which road to take. What question was asked?

The problem is brought to you by Dr. Dan Look.

Submit your solutions to Prof. Maegan Bos, maegan@stlawu. You may submit either a hard copy or an electronic copy via Sakai. Good Luck!!