COURSE: DISCRETE MATHEMA TECS
SOLVING STUDENT NO: 1705073
VERIFYING STUDENT NO: 17050 26

Chapter 1, Section 2

Question:

An explorer is explored by a group of connibals. There are two types of cannibals who always who always tell the truth and those who always tell the truth and those who always lie the cannibals will barbecule the explorer unless he can determine whether a particular cannibal always lies on always tells the truth. He is allowed to ask the cannibal exactly one question.

- a) Explain why the question "Ane you a liar?"
 does not work.
 - b) find the question that the exploner can use to determine whether the cannibal always lies or always tells the truth.

- a) If the explorer asks the question to a liar cannible cannibal, he will answer no. If the cannibal is telling the truth, he will also answer no. So there is no way the explorer can distinguish between liar and non-liar cannibals, as both of them will arswer the same to the question.
- that he knows the answer to it. Like he can ask, "Ame you cannibal?" If the answer is yes, then the cannibal is definitely that teller. If the answer is no, then the cannibal is a lien cannibal. Thus he can determine if the cannibal is lying on not.

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