

2.3.1. Translation Problems: Translation Keys

A. Explain the **mistake** made in each of the following **translation keys**.

1.

P: Jake and Dr. Slim will have a drink

2.

P: Jake will have a drink

Q: Dr. Slim will have a drink

R: Jake will have a drink

3. Copyright Brian Beakley 2017

P: Rex will not have a drink

4.

English Sentence:

Either it's raining or it's sunny

Translation Key:

P: It's raining

Formal Translation:

$(P \vee \sim P)$

B. Translate each of the following English sentences into the formal language, by first building a **translation key**.

1. Elvis is leaving Las Vegas and he's not coming back.
2. Either Dick has a pocket flask or Dora has one.
3. Neko likes sushi, and so does Suki.
4. Either Jack went surfing or he did not do so.
5. Either Deacon committed the crime or Jake did.
6. Barbie is not joining the billiards club and Kitty is.
7. Neko is tired and hungry, and so is Jack.