

Q 1.

Write the meaning of these sentences in first order logic. You may ignore temporal and aspectual semantics for the moment.

- (1) a. No one speaks French. (Note: you can take *speak French* as a single lexical item. But, if you like, try to take the two words separately.)
- b. No one speaks French or Arabic.
- c. Every student is happy.
- d. Every student is happy and tired.
- e. Every student is happy, and every student is tired.
- f. Every student is happy or tired.
- g. Every student is happy, or every student is tired.

Q 2.

- (a) Do (1d) and (1e) mean the same thing? Why or why not?
- (b) Do (1f) and (1g) mean the same thing? Why or why not?