Exercise 2

You must drive a Subaru or like kale if you are allowed to live in Amherst. You don’t drive a Subaru and you aren’t allowed to live in Amherst. Therefore, you don’t like kale.

Examine this argument as follows:

1. Decide for yourself whether the conclusion (you don’t like kale) is correct.
2. Pair up and share your conclusions with your neighbor.
3. Formally check your logic:
   a. Dissect the first sentence and find three statements within it that you can label with letters.
   b. Turn the first sentence into a formal logic expression (it’s an implication).
   c. Do the same for the second and third sentences.
   d. Combine the three expressions into an overall logic formula.
   e. Make a truth table to see whether the expression in (d) is always true. (The truth table will likely have 11 or so columns.)
4. Compare the result of the truth table to your original idea. Either explain why they are compatible or find the source of the error.