CSE 103

Chapter 1,Section 1

Problem No. 23

23. Write each of these statements in the form "if *p*, then *q*"
in English. [*Hint:* Refer to the list of common ways to
express conditional statements.]
a) It snows whenever the wind blows from the northeast.
b) The apple trees will bloom if it stays warm for a week.
c) That the Pistons win the championship implies that
they beat the Lakers.
d) It is necessary to walk 8 miles to get to the top of
Long's Peak.
e) To get tenure as a professor, it is sufficient to be world famous.
f) If you drive more than 400 miles, you will need to buy
gasoline.
g) Your guarantee is good only if you bought your CD
player less than 90 days ago.
h) Jan will go swimming unless the water is too cold.

Solution:

a) If the wind blows from the northeast,then it snows.
b) If it stays warm for a week, then the apple trees will bloom.
c) If the Pistons win the championship, then they beat the Lakers.
d) If you get to the top if Long's peak,then you must have walked eight miles.
e) If you are world famous,then you will get tenure as a professor.
f) If you drive more than 400 miles, then you will need to buy gasoline.
g) If your guarantee is good, then you must have bought your CD player less than 90 days ago.
h) If the water is not too cold, then Jan will go swimming.