CEN 5120 Expert Systems

Homework 2

Due: February 7, 2001 (Wednesday)

Problem:
Translate each of the following sentences into rules. Be sure to include a relation name in facts for good style. Test your rule by asserting the appropriate facts. Do a (clear) before entering the next rule and use (watch all) to observe what’s happening.

1. if a patient’s temperature is high and the patient is covered with red sores, then print out that the diagnosis is measles.

2. If the atmospheric pressure is dropping and the sky is cloudy, then print out that the prediction is rain.

3. If you have ice cream, hot fudge, whipped cream, nuts, a banana, strawberry topping, caramel topping, and cherries, then slice the banana, put it in an ice cream dish, put the ice cream in the dish, add the toppings, add the nuts, deluge with whipped cream, add cherries, and print “Diet’s over!!!”.

Note: You need to turn in the hard copies of your programs.