



Assumptions:

1. a FARMER PREPARES N ORDERS 0 to N times
2. a FARMER USES N INSECTICIDES 0 to N times
3. a FARMER APPLIES for N GOVT SUBSIDIES 0 to 1 at a time
4. a FARMER PLANTS N FRUIT 0 to N times
5. a CUSTOMER PLACES N ORDERS 0 to N times
6. a CUSTOMER is SOLD M FRUIT 0 to N times
7. FRUIT is SOLD to N CUSTOMERS 0 to N times
8. FRUIT is PLANTED by 1 FARMER 0 to N times
9. a ORDER is PERPARED by 1 FARMER 0 to 1 times
10. a ORDER is PLACED by M CUSTOMERS 0 to N times
11. a INSECTICIDE is USED by 1 FARMER 0 to N times
12. a GOVT SUBSIDY is APPLIED by 1 FARMER 0 to 1 at a time
13. Product is a multi-valued attribute to record CUSTOMER goods
14. Dates is a multi-valued attribute for recorded dates
15. Insect_IDs is a multi-valued attribute for INSECTISIDES used
16. Used_For is a multi-valued attribute to track SELLS
17. Comment is a multi-valued attribute for comments
18. REATAIL_CUST and WHOLESALE_CUST are disjoint subclasses of CUSTOMER
19. CHEMICAL, FOOD, and MEDICAL are overlapping subclasses of type WHOLESALE_CUST
20. BUSHES, TRESS, and VINES are overlapping subclasses of type ORGANIC FRUIT or CONVENTIONAL FRUIT
21. ORGANIC and CONVENTIONAL are disjoint subclasses of FRUIT type
22. an ORDER can't exist without being PLACED or PREPARED(Total Participation)