 -Person (x) |  -Supermarket(x)  |  -In(x,y) | Staff(x) | Customer(x).

 -Supermarket(x)  |  -IsOpen(x) | Person(y).

-Supermarket(x)  |  -Person(y) | -IsOpen(x) | Staff(z).

-Supermarket(x)  |  -Person(y) | -IsOpen(x) | In(z, x).

 -Supermarket(x)   |  -IsOpen(x) | In(y,x).

 -Person(x)  |  -Product(y) |  -Buys(x,y) | Eats(x,y).

 -Person(x)  |  -Product(y) |  -Buys(x,y) | Adult(x).

-Staff(x) | -Customer(x).

-Customer(x) | -Staff(x).

  -Adult(x)  |  -Kids(x).

  -Kids(x)  |  -Adults(x).

  -Person(x) | Adult(x) | Kids(x).

 - IsAcceptablePayment(x) | Cash(x) | Debit(x) | Credit(x).

  -Items(x) |Product(x).

 -Person(x)  |  -Product(y) |  -Returns(x,y) | Receipt(z).

 -Person(x)  |  -Product(y) |  -Returns(x,y) | Has(x,z).

 -Person(x)  |  -Product(y) |  -Returns(x,y) | Money(z).

  -Person(x)  |  -Product(y) |  -Returns(x,y) |  Has(x,z).

 -Person(x)  |  -Product(y) |  -Returns(x,y) |  IsIncreased(z).

 -Person(x)  |  -Product(y) |  -Buys(x,y) | Money(z).

  -Person(x)  |  -Product(y) |  -Buys (x,y) |  Has(x,z).

 -Person(x)  |  -Product(y) |  - Buys (x,y) |  IsDecreased(z).

-Person(x) | -Money(y) | Has(x,y).

-Money(x) | Credit(x).

-Money(x) | Debit(x).

-Money(x) | Cash(x).

-IsIncreased(x) | -IsDecreased(x).

 -Supermarket(x) | Parking\_Lot(y).

 -Supermarket(x) | Contains(x,y).

 -Person(x)  |  -Meat(y) |  -Buys(x,y) | Non\_Vegetarian (x).

 -Person(x)  |  -Meat(y) | Buys(x,y) | Vegetarian (x).

 - Vegetarian(x) |  - Non\_Vegetarian(x).

 -Person(x)  | Vegetarian(x) | Non\_Vegetarian(x).

 -Product(x) | Liquid(x) | Solid(x).

-Meat(x) | Solid(x).

-Fruits(x) | Solid(x).

-Vegetables(x) | Solid(x).

 -Milk(x) | Liquid(x).

 -Oil(x) | Liquid(x).

 -Water(x) | Liquid(x).

 -Energy\_Drink(x) | Liquid(x).

 -Liquid(x) |  -Solid(x).

 -Solid(x) |  -Liquid(x).

 -Solid(x) |  -Pounds(y) | MeasuredIn(x,y).

 -Liquid(x) |  -Ounces(y) | MeasuredIn(x,y).

 -Groceries(x) |  -Supermarket(y) |  IsAvailable(x,y).

-Groceries(x) | Product(x).

 -Meat(x) |  -Supermarket(y) |  IsAvailable(x,y).

 -Supermarket(x) |  -Product(y) |  -Sells(x,y) |  Made(y,x).

%-Supermarket(x) |  -Product(y) |   Made(y,x).

 -Red(x) | Color(x).

 -Blue(x) | Color(x).

 -Green(x) | Color(x).

 -Black(x) | Color(x).

 -Yellow(x) | Color(x).

 -Pink(x) | Color(x).

 -White(x) | Color(x).

 -Orange(x) | Color(x).

 -Purple(x) | Color(x).

 - Butter(x) | DairyProduct(x).

 - DairyProduct (x) | Product(x).

 - Milk (x) | DairyProduct(x).

 - Cheese(x) | DairyProduct(x).

 - Yogurt(x) | DairyProduct(x).

 -Product(x) |  -Milk(y) |  -Contains(x,y) | DairyProduct(x).

 - DairyProduct(x) | Milk(y).

 - DairyProduct(x) | Contains(x, y).

 -Butter(x) |  -Milk (y) | Contains(x,y).

 -Cheese(x) |  -Milk (y) | Contains(x,y).

 -Yogurt(x) |  -Milk (y) | Contains(x,y).

 -Yogurt(x) | IsSweet(x).

 -Butter(x) | IsSalty(x) |  -IsSalty(x).

 -Cheese(x) | IsSalty(x).

 - Milk(x) |  IsSweet(x) |  -IsSweet(x).

 -Product(x)  |  -Milk(y)  |  -Is(x,y) | White(x).

 -Product(x)  |  -Milk(y)  |  -Is(x,y) | Liquid(x).

 -Product(x)  |  -Butter(y)  |  -Is(x,y) | Yellow(x).

 -Product(x)  |  -Butter(y)  |  -Is(x,y) | Solid(x).

 -Product(x)  |  -Yogurt(y)  |  -Is(x,y) | White(x).

 -Product(x)  |  -Yogurt(y)  |  -Is(x,y) | Solid(x).

 -Product(x)  |  -Cheese(y)  |  -Is(x,y) | Yellow(x) | White(x).

 -Product(x)  |  -Cheese(y)  |  -Is(x,y) | Solid(x).

 -DairyProduct(x) | Groceries(x).

 -Vegetables(x) | Frozen (x) | Canned(x) | Fresh (x).

 -Fruits(x) | Frozen (x) | Canned(x) | Fresh (x).

 -Frozen(x) |  - Canned (x).

 -Frozen(x) |  -Fresh(x).

 -Fresh (x) |  - Canned (x).

 -Fresh (x) |  - Frozen (x).

 -Canned (x) |  - Fresh (x).

 -Canned (x) |  - Frozen (x).

 -Vegetables(x) | Groceries(x).

 -Fruits(x) | Groceries(x).

 -Potatoes(x) | Vegetables(x).

  -Onions(x) | Vegetables(x).

  -Jalapenos(x) |  Vegetables(x).

 -Bell\_pepper(x) | Vegetables(x).

 -Cabbages(x) | Vegetables(x).

 -Okra(x) | Vegetables(x).

 -Green\_Onions(x) | Vegetables(x).

 -Ginger(x) | Vegetables(x).

 -Tomatoes(x) | Vegetables(x).

 -Broccoli(x) | Vegetables(x).

 -Mushrooms (x) | Vegetables(x).

 -Lemons(x) | Vegetables(x).

 -Spinach(x) | Vegetables(x).

 -Kale(x) | Vegetables(x).

 -Fenugreek (x) | Vegetables(x).

 -Potatoes(x) | Oval(x) | Round(x).

 -Potatoes(x) | Red(x) | Brown(x) | Yellow(x) | White(x).

 -Tomatoes(x) | Round(x).

 -Tomatoes(x) | Red(x) | Green(x).

 -Jalapenos(x) | Green(x) | Red(x) | Yellow(x) | Orange(x).

 -Bell\_peppers(x) | Green(x) | Red(x) | Yellow(x) | Orange(x).

 -Cabbages(x) | Green(x) | Purple(x).

 -Green\_Onions(x) | Onions(x).

 -Onions(x) | White(x) | Purple(x).

 -Broccoli (x) | Green(x).

 -Lemon(x) | Yellow(x) | Green(x).

 -Lemon(x) | Round(x).

 -Leafy\_Vegetables(x) | Vegetables(x).

 -Spinach (x) | Leafy\_Vegetables(x).

 -Kale (x) | Leafy\_Vegetables(x).

 -Fenugreek (x) | Leafy\_Vegetables(x).

 -Spinach (x) | Green(x).

 -Kale (x) | Green(x).

 -Fenugreek (x) | Green(x).

 -Apples(x)  | Fruits(x).

 -Oranges(x) | Fruits(x).

 -Grapes(x) | Fruits(x).

 -Strawberries(x) | Fruits(x).

 -Blackberries(x) | Fruits(x).

 -Blueberries(x) | Fruits(x).

 -Raspberry(x) | Fruits(x).

 -Kiwi(x) | Fruits(x).

  -Watermelon (x) | Fruits(x).

 -Cherry(x) | Fruits(x).

 -Banana(x) | Fruits(x).

 -Mangoes(x) | Fruits(x).

  -Pear(x) | Fruits(x).

 -Apples(x) | Red(x).

 -Apples(x) | Sweet(x) | Sour(x).

 -Strawberries(x) | Red(x).

 -Strawberries(x) | Sweet(x).

 -Raspberry(x) | Red(x).

 -Raspberry(x) |  Sweet(x).

 -Grapes(x) | Round(x).

 -Grapes(x) | Red(x) | Green(x) | Black(x).

 -Grapes(x) | Sweet(x).

 -Oranges(x) | Yellow(x) | Orange(x).

 -Oranges(x) | IsSweet(x) | IsTangy(x).

 -Mangoes(x) | Yellow(x) | Orange(x).

 -Mangoes(x) | IsSweet(x) | IsTangy(x).

 -Pear(x) | Yellow(x) | Orange(x).

 -Pear(x) | IsSweet(x) | IsTangy(x).

 -Banana(x) | Yellow(x).

 -Banana(x) | Sweet(x).

 -Blackberries(x) | Black(x).

 -Blackberries(x) | IsSweet(x).

 -Blueberries(x) | Black(x).

 -Blueberries(x) | IsSweet(x).

 -Kiwi(x) | Green(x).

 -Kiwi(x) | IsTangy(x).

 -Cherry(x) | Red(x).

 -Cherry(x) | IsSweet(x).

 -Blueberries(x) | Berries(x).

 -Raspberry(x) | Berries(x).

 -Strawberries(x) | Berries(x).

 -Berries(x) | IsSweet(x).

 -Watermelon (x) | Green(x).

 -Watermelon (x) | IsSweet(x).

 -Watermelon (x) | Round(x).

 -Fruits(x) |  -Vegetables(x).

 -Fruits(x) |  -DairyProduct(x).

 -Vegetables(x) |  -DairyProduct(x).

 -Eggs(x) | Meat(x).

 -Chicken(x) | Meat(x).

 -Beef(x) | Meat(x).

 -Turkey | Meat(x).

  -Sausage(x) | Meat(x).

 -Pork(x) | Meat(x).

 -Bacon(x)  | Meat(x).

 -Fish(x) | Meat(x).

 -Meat(x) | Frozen(x) | Canned(x) | Fresh(x).

 -Meat(x) |  -DairyProduct(x).

 -Meat(x) |Product(x).

 -Meat(x) |  -Fruits(x).

 -Eggs(x) | Brown(x) | White(x).

 -Eggs(x) | Oval(x).

 -Meat(x) |  -Vegetables(x).

 -Green\_Cardamom(x) | Spices(x).

 -Cloves(x) | Spices(x).

 -Pepper(x) | Spices(x).

 -Salt(x) | Spices(x).

 -Garlic(x) | Spices(x).

 -Italian\_Seasoning (x) | Spices(x).

 -Cumin\_Seeds (x) | Spices(x).

 -Mustard\_Seeds (x) | Spices(x).

 -Paprika(x) | Spices(x).

 -Smoked\_Paprika(x) | Spices(x).

 -Basil(x) | Spices(x).

 -Oregano(x) |  Spices(x).

 -Spices(x) | Groceries(x).

 -Spices(x) |  -DairyProduct(x).

 -Spices(x) |  -Fruits(x).

 -Spices(x) |  -Vegetables(x).

 -Spices(x) |  - Meat(x).

 -Product(x) |  -IsSweet(x) |  -Sugar(y) | Contains(x,y).

 -Product(x) |  -IsSalty(x) |  -Salt(y) | Contains(x,y).

 -Icecream(x) | Frozen(x).

 -Popsicle(x) | Frozen(x).

 -Cereal(x) | Others(x).

 -Bread(x) | Others(x).

 -Rice(x) | Others(x).

 -Oil(x) | Others(x).

 -Sugar(x) | Others(x).

 -Chocolate(x) | Others(x).

 -Energy\_Drink (x) | Others(x).

 -Water(x) | Others(x).

 -Others(x) | Groceries(x).

 -Cereal(x) |  -Milk(y) | EatenWith(x,y).

 -Bread(x) |  -Butter(y) | EatenWith(x,y).

 -Sugar(x) | White(x) | Brown(x).

 -Sugar(x) | IsSweet(x).

 -Chocolate(x) |  -Sugar(y) | Contains(x,y).

 -Energy\_Drink(x) | Liquid(x).

 -Energy\_Drink(x) | IsSweet(x).

 -IsSweet(x) | Tastes(x).

 -IsSour(x) | Tastes(x).

 -IsTangy(x) | Tastes(x).

 -IsSalty(x) | Tastes(x).

 -Round(x) | Shapes(x).

 -Oval(x) |  Shapes(x).

 -Elliptical(x) | Shapes(x).

 -Vegetables(x) | EatenAfterCooking(x).

 -Vegetables(x) |  -EatenRaw(x).

 -Fruits(x) | EatenRaw(x) | EatenAfterCooking(x).

 -DairyProduct(x) | EatenRaw(x) | EatenAfterCooking(x).

 -Meat(x) | EatenAfterCooking(x).

 -Meat(x) |  -EatenRaw(x).

 -Cereal(x) | EatenRaw(x) |  -EatenAfterCooking(x).

 -Bread(x) | EatenRaw(x) | EatenAfterCooking(x).

 -Rice(x) |  -EatenRaw(x) | EatenAfterCooking(x).

 -Oil(x) |  -EatenRaw(x) | EatenAfterCooking(x).

 -Sugar(x) | EatenRaw(x) | EatenAfterCooking(x).

 -Chocolate(x) | EatenRaw(x) | EatenAfterCooking(x).

 -Energy\_Drink (x) | EatenRaw(x) |  -EatenAfterCooking(x).

 -Water(x) | EatenRaw(x) | EatenAfterCooking(x).

%-Product(x) | -Product(y) | (x != y).

-Color(x) | -Color(y) | (x != y).

-Tastes(x) | -Tastes (y) | (x != y).

-Salmon(x) | Fish(x).

-Tuna(x) | Fish(x).

-Product(x) | -Supermarket(y) | IsAvailable(y, x).

Product(x) | -Supermarket(y) | -IsAvailable(y, x).

-Deo(x) | -Product(x).

-Supermarket(x) | -Product(y) | -Sells(x,y) | Owns(x,y).

-Shapes(x) | -Shapes (y) | (x != y).

-Product(x) | -Sugar(y) | -Contains(x,y) | IsSweet(x).

-Product(x) | -Salt(y) | -Contains(x,y) | IsSalty(x).