

HERE I HAVE USED THE PROLOG THAT'S WHY I CONVERT MY KNOWLEDGE BASE
IN HORN CLAUSES

TASK 1: DESIGN AND CREATE KNOWLEDGE BASE

TASK 2: CONVERT YOUR AXIOMS INTO HORN CLAUSES

- 1) John is adult
adult(john).
- 2) john buys meat
buys(john,meat).
- 3) john do not buy vegetables.
not(buys(john,vegetables)).
- 4) john eats vegetables.
eats(john,vegetables).
- 5) john do not eats meet.
not(eats(john,meet)).
- 6) Jason`s Deli is in plano.
location(jasondeli,plano).
- 7) Jason`s Deli is in addison.
location(jasondeli,addison).
- 8) Jason`s Deli is not in newyork.
not(location(jasondeli,newyork)).
- 9) john is going to eat it with the befeater.
befeater(john,eatit).
- 10) Onions are not made in the Jason`s Deli.
not(madein(onions)).
- 11) Tomatos are not made in the Jason`s Deli.
not(madein(tomatos)).

- 12) Jason deli sells pizza.
sells(pizza).
- 13) John bring money
bring(john,money).
- 14) John bring creditcard
bring(creditcard).
- 15) There are staff members available when john at deli.
isstaff(john).
- 16) There are staff members available when john at deli.
Not(isstaff(jay)).
- 17) There are staff members available when mary at deli.
isstaff(mary).
- 18) Jason`s deli owns cheese slices.
owns(cheeseslices, jasondeli).
- 19)john have an ounce of roast beef.
have(john,roastbeef,ounce).
- 20) john carry the food he purchased.
purchased(john,food).
- 21) john did not carry the vegetables he purchased.
purchased(john,vegetables).
- 22) broccoli cheese is vegetarian soup.
vegsoup(broccolicheese).
- 23) organic garden vegetable is vegetarian soup.
vegsoup(organicgardenvegetable).
- 24) tomato basil is vegetarian soup.
vegsoup(tomatobasil).
- 25) fire roasted tortilla is gluten sensitive soup.
gssoup(fireroastedtortilla).

- 26) organic garden vegetable is gluten sensitive soup.
gssoup(organicgardenvegetable).
- 27) Turkeychilli is the new arrivals menu.
newarrivals(turkeychili).
- 28) Cookie is desserts.
desserts (cookie).
- 29) cheesecake is desserts.
desserts(cheesecake).
- 30) strawberryshortcake is desserts.
desserts(strawberryshortcake).
- 31) fudge nut brownie is desserts.
desserts(fudgenutbrownie).
- 32) capresepanini is veg paninis.
vegpaninis(capresepanini).
- 34)Ham is in meat section.
meats(ham).
- 35) roastedturkeybreast is in meat section.
meats(roastedturkeybreast).
- 36) smokedturkeybreast is in meat section.
meats(smokedturkeybreast).
- 37) roastbeef is in meat section.
meats(roastbeef).
- 38) tunasaladwithegg is in meat section.
meats(tunasaladwithegg).
- 39) chicken salad with almonds and pineapple is in meat section.
meats(chickensaladwithalmondsandpineapple).
- 40) salami is in meat section.
meats(salami).

- 41) hotcornedbeef is in meat section.
meats(hotcornedbeef).
- 42) hotpastrami is in meat section.
meats(hotpastrami).
- 43) They have wheat breads.
breads(wheat).
- 44) They have white breads.
breads(white).
- 45) They have rye breads.
breads(rye).
- 46)you can put addons thing like guacamole.
addons(guacamole).
- 47)you can put addons thing like hummus.
addons(hummus).
- 48)you can put addons thing like avocadoslices.
addons(avocadoslices).
- 49)you can put addons thing like freshcrackedegg.
addons(freshcrackedegg).
- 50)you can put addons thing like baconsclies.
addons(baconsclies).
- 51) swiss is the type of cheeses.
cheeses(swiss).
- 52) provolon is the type of cheeses.
cheeses(provolon).
- 53) jalapenopaperjack is the type of cheeses.
cheeses(jalapenopaperjack).
- 54) cheddar is the type of cheeses.
cheeses(cheddar).

- 55) american is the type of cheeses.
cheeses(american).
- 56) muenster is the type of cheeses.
cheeses(muenster).
- 57) mozaa is the type of cheeses.
not(cheeses(mozaa)).
- 58) subway do not have kidsmeal.
not(kidsmeal(subway)).
- 59) Jason`s deli have kidsmeal.
kidsmeal(jasondeli).
- 60)There is a turkey wrap in the store.
wraps(turkry).
- 61)There is a rancherowrap wrap in the store.
wraps(rancherowrap).
- 62)There is not a vegetarian wrap in the store.
not(wraps(vegetarian)).
- 63) one of the club id califniacub.
clubs(californiacub).
- 64) one of the club id clubroyale.
clubs(clubroyale).
- 65) one of the club id deliclub.
clubs(deliclub).
- 66) zucchini garden pasta is the only vegetarian pasta.
vegetarianpasta(zuccinigardenpasta).
- 67) The plain jane is glutton sensitive dish.
gs(theplainjane).
- 67) pollik mexicano is glutton sensitive dish.
gs(pollikmexicano).

- 67) Texas styles pud is glutton sensitive dish.
gs(texasstylespud).
- 67) thecbranchpotato is glutton sensitive dish.
gs(thecbranchpotato).
- 68) In menu, special sandwich includes santafechicken.
ssandwich(santafechicken).
- 69) In menu, special sandwich includes shelleysdelichick.
ssandwich(shelleysdelichick).
- 70) In menu, special sandwich includes thecarmela.
ssandwich(thecarmela).
- 71) In menu, special sandwich includes amysturkeyo.
ssandwich(amysturkeyo).
- 72) In menu, special sandwich includes biggerbetterblt.
ssandwich(biggerbetterblt).
- 73) In menu, special sandwich includes italiancruzpoboy.
ssandwich(italiancruzpoboy).
- 74) wildsalmonwich is famous dish in the menu.
famous(wildsalmonwich).
- 75) beefeater is famous dish in the menu.
famous(beefeater).
- 76) reubenthegreat is famous dish in the menu.
famous(reubenthegreat).
- 77) wildsalmonwich is famous dish in the menu.
famous(newyorkyankee).
- 78) wildsalmonwich is famous dish in the menu.
famous(steakpoboy).
- 79) reubenthegreat is a muffalettas dish.
muffalettas(quarterhamandsalami).

- 80) reubenthegreat is a muffalettas dish.
muffalettas(quarterroastedturkey).
- 81) reubenthegreat is a muffalettas dish.
muffalettas(quatermuffalettaspecial).
- 82) john is not Vegetarian.
vegetarian(-john).
- 83) if john is adult and buys something from the store then he will take to the home.
home(john,X):- john(adult),buys(john,X).
- 84) if anyone was buying cheesecake as same time as john, john see her/him.
Johnseen(X):- buys(X,cheesecake),buys(john,cheesecake).
- 85)if anyone lest with the less money then he/she has buys cheesecake and brings money
Lessmoney(X):- buys(_,cheesecake),bring(_ money).
- 86) if john carries the things he buys and he has money.
Carry(john,X) :- buys(X,cheesecake),bring(john,money).
- 87) if some vegetarian soup is in menu and it is famous in the public.
famvegsoup(X):- famous(X), vegsoup(X).
- 88) everything is in the menu is john`s favourite.
favourite(john,_).
- 89) All the items we can put in the menu section.
menu(_).
- 90) there are some club which are famous.
famouss(X):- club(X).
- 91) if you put any item from addons it will pay you extra.
Payextra(X):- addons(X).
- 92) if we want to check Y dish is favorite of person X.
personfav(X,Y):- favourite(X,Y), buys(X,Y).

