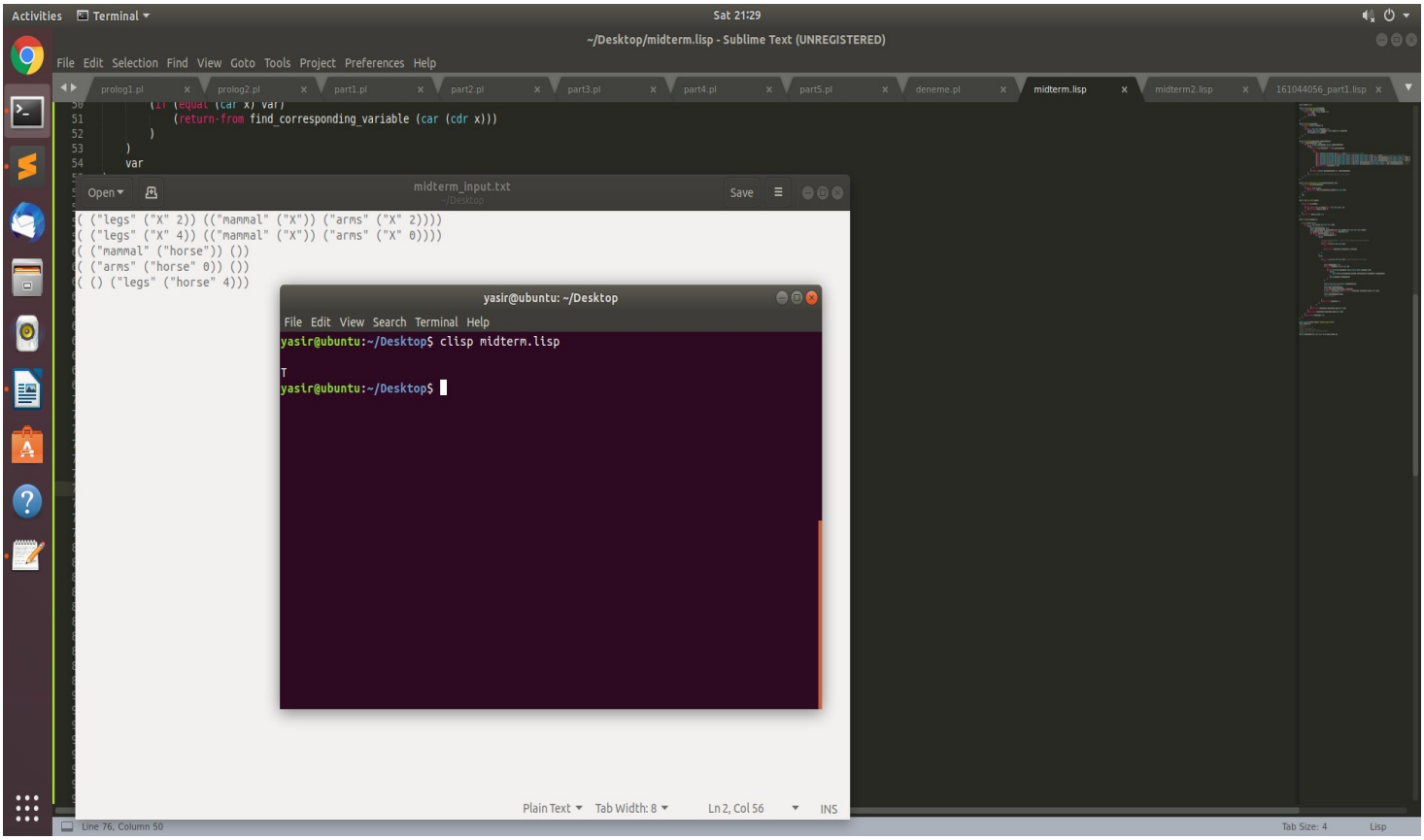
Firstly my program read file that has predicates like example given in homework. I used read-prolog-clauses function for this. Then by using find-query function my program find query and start solve its true or false for given clauses by using resolution and unification that we disscused in class.

I use my resolution function for finding corresponding predicate for given queries. Also my unification function used for unify given variable paramaters.

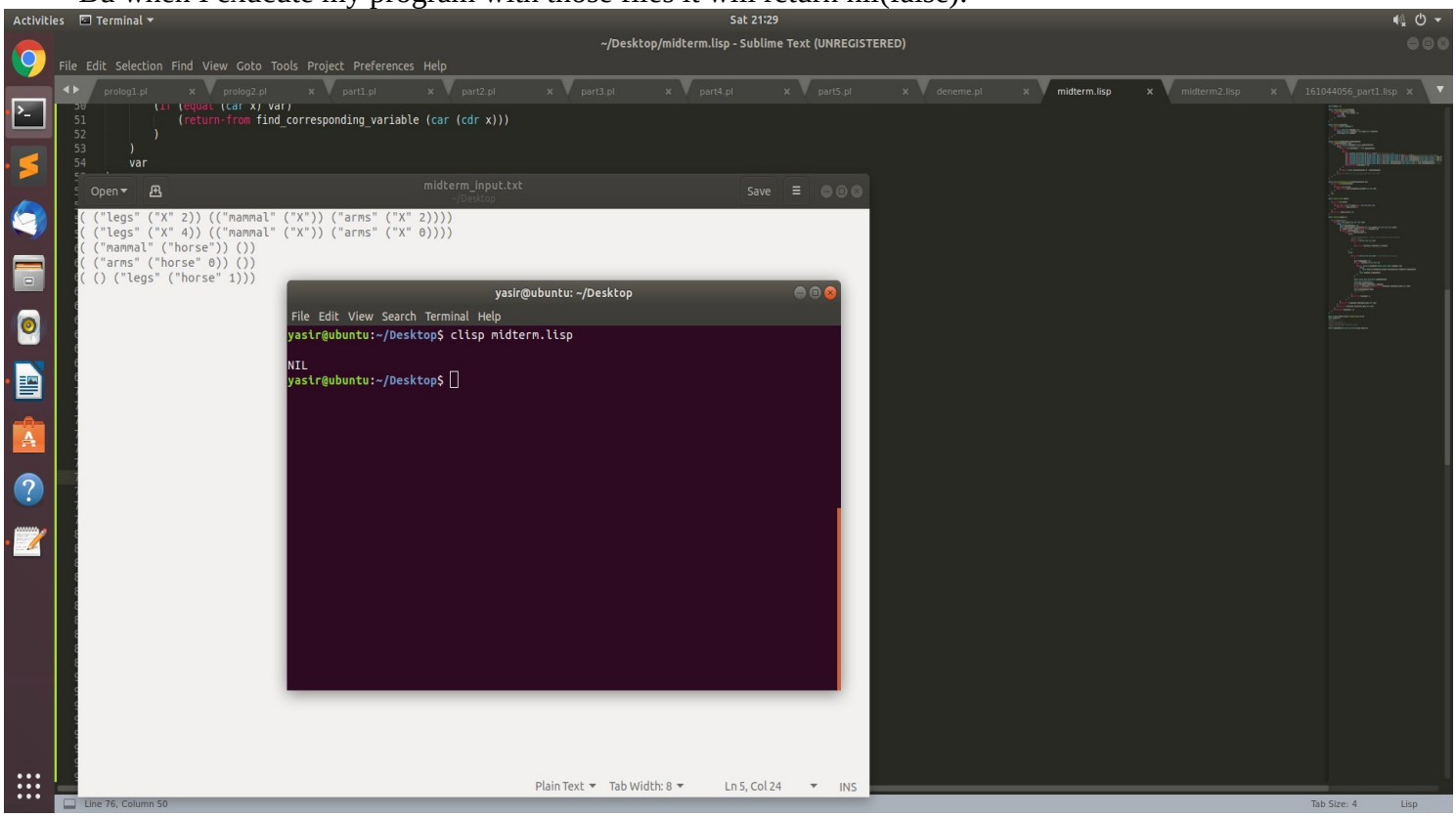
Firstly, my program works for only static paramaters, when query has 1 or more variable it won't work.

For example; I use same example as in homework.

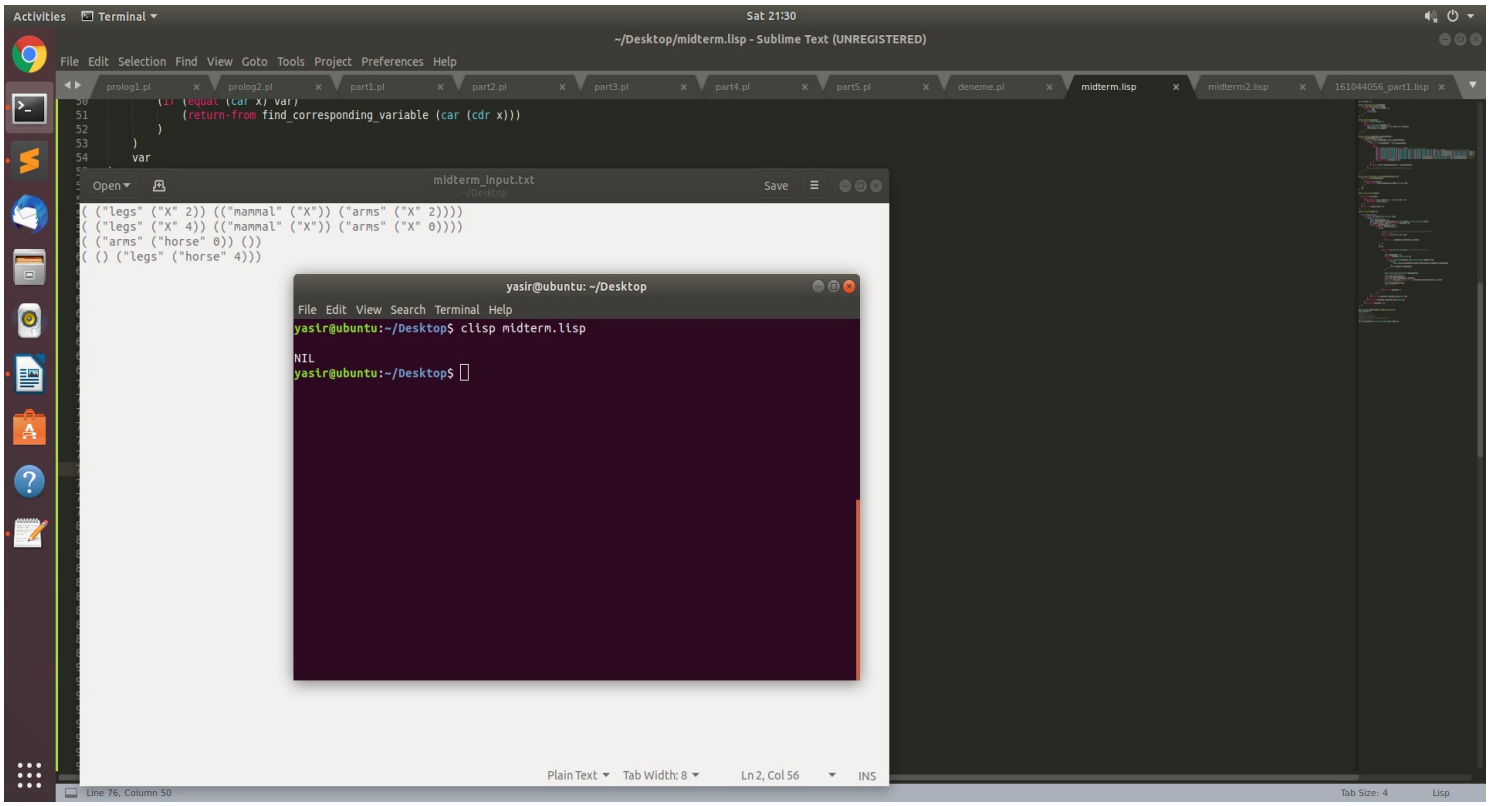


When I execute my program for given example it will return T(true) because ("legs" ("horse" 4)) is a true quary.

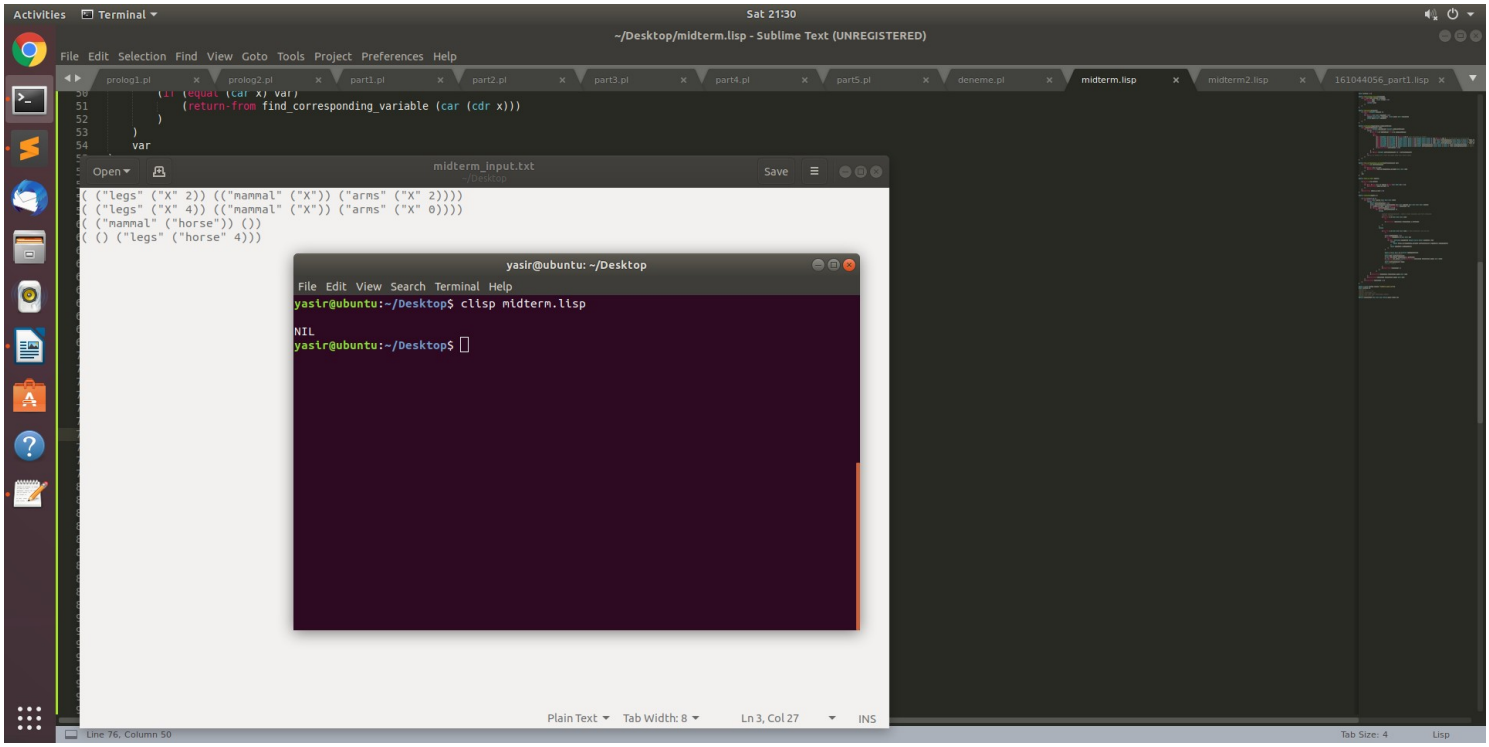
Bu when I exucute my program with those files it will return nil(false):



This will return false because (“legs” (“horse” 1)) is a false query for given database.



This also return false because there is no (“mammal” (“horse”)) in database so program determine false for (“legs” (“horse” 4)) quary.



Again this also return false because there is no (“arms” (“horse” 0)) fact. So program determine false for (“legs” (“horse” 4)) quary.

Muhammed Yasir Fidan
161044056