.1

פרולוג 2

```
1 reverse([],Acc,Acc).
      2 reverse([X|Xs],Acc,Rest):-
                                                my_reverse([1,2,3,4,5,6],L).
            reverse(Xs,[X|Acc],Rest).
                                               L = [6, 5, 4, 3, 2, 1]
      4
      5 my reverse(L,Res):-
                                               ?- my_reverse([1,2,3,4,5,6],L).
            reverse(L,[],Res).
                                                                            .2
  1 my_prefix(X,L):-
                                          my_prefix([4],[4,5,6]).
                                          true
           append(X,_,L).
                                          my_prefix([5],[4,5,6]).
                                         false
                                          my_member([5],[4,5,6]).
                                                                            .3
   1 my_member(X,L):-
                                          true
   2
          append(_,B,L),
                                          Next | 10 | 100 | 1,000
                                                            Stop
          append(X, _, B).
   3
                                          my_member([6],[4,5,6]).
                                          true
                                          Next 10 100 1,000
                                          my_member([8],[4,5,6]).
                                          false
my\_member\_1(X,[X|\_).
                                                                            .4
my_member_1(X,[Y|Xs]):-X=Y,my_member_1(X,Xs).
               ny_member_2(X,L):-
                                                                  - 4דרך נוספת ל
                     select(X,L,Xs),
                     select(X,Xs,R).
                                                                            .5
                                        my_palindrom(L):-
                                              reverse(L,L).
```

```
first(X,[X|_]).

my_sorted([_|[]]).
my_sorted(L):-
    first(X,L),delete(X,L,L1),first(Y,L1),X<Y,my_sorted(L1).

my_insert(X,[],[X]).
my_insert(X,[D|L],[X,D|L]):-
    X=<D.
my_insert(X,[D|L],[D|Z]):-
    X>D,my_insert(X,L,Z).
7
```