1

5,6,7,8,9,10,
12,13,22,25

[1, 3, 5]

[1]

[ ]

[H | T]

H = 1
T = [3, 5]

H = 1
T = [ ]

[H1, H2 | T]

H1 = 1
H2 = 3
T = [5]

[a, b | [d]] = [a | [b | [d]]] = [a | [b, d]] = [a, b, d]

[X, Y | T] = [a | Z]
Z = [Y | T]

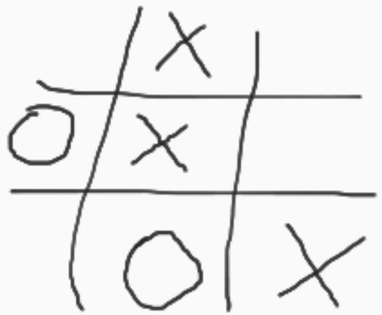
```
member_(X, [X | L]).

member_(X, [Y | L]):-
        X\= Y,
        member_(X, L).
```

```
 membro(X, L):-
     append( _,  [X | _ ],  L ).
```

```
 append(L1, L2, L)

append( [a,b], [c,d], [a,b,c,d] )
append( [a,b], [c,d], X).
append( [a,b], X, [a,b,c,d] )
append( X, [c,d], [a,b,c,d] )
append ( X, Y, [a,b,c,d] )
    X = [], Y = [a,b,c,d] ? ;
    X = [a], Y = [b,c,d] ? ;
    X = [a,b], Y = [c,d] ? ;
    X = [a,b,c], Y = [d] ? ;
    X = [a,b,c,d], Y = [] ? ;
    no
```



```
[ [0, 1, 0],
  [2, 1, 0],
  [0, 2, 1] ]
```

0 - casa vazia
1 - X
2 - O

```
write(X), write(ola), write(2), write('  | /\ ')

read(X), write(X)

                                        write("ola").    nl

put_code(X), put_code(96)

get_code(X), put_code(X)

put_char(X), put_char('a')

get_char(X), put_char(X)
```

```
print_matrix([]).
print_matrix([L|T]):-
    print_line(L), nl,
    print_matrix(T).
print_line([]).
print_line([C|L]):-
    code(C, P), write(P), write(' | '),
    print_line(L).
code(0, ' ').
code(1, 'X').
code(2, 'O').
```