## Laboratory 2

7.

- a. Write a predicate to compute the intersection of two sets.
- b. Write a predicate to create a list (m, ..., n) of all integer numbers from the interval [m, n].

a

final(
$$l_1l_2...l_{m_2}e$$
) =  $\int tuue$ , if  $l_1=e$   
final( $l_1l_2...l_{m_2}e$ ) =  $\int false$ , if  $m=0$   
final( $l_2...lu$ , e), otherwise

intersection (l<sub>1</sub>l<sub>2</sub>...lu, e<sub>1</sub>e<sub>2</sub>...e<sub>m</sub>) = | ly Vintersection (l<sub>2</sub>...lu, e<sub>1</sub>...e<sub>m</sub>),

if final(e<sub>1</sub>...e<sub>m</sub>) = true

intersection (l<sub>2</sub>...lu, e<sub>1</sub>...e<sub>m</sub>), oshumise

b.

integer 
$$(a,b) = \begin{cases} [a], & \text{if } a > b \\ [a+1], & \text{if } a = = b \end{cases}$$