## 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  $(L = [l_1, l_2, ..., l_m], e) = 1$ two, if  $l_1 = e$ false, if lu(L) = = 0final  $(l_2, ..., lu, e)$ , otherwise

intersection  $(L_1 = [l_1, l_2, ..., l_M], l_2 = [e_1, e_2, ..., e_M]) = \{$ of  $lu(l_1) = 0$  or  $lu(l_2) = 0$   $ll_1 \cup intersection(L_1 = [l_2, ..., l_M], l_2 = [e_1, ..., e_M]), if

final(e_1, ..., e_M, l_1) = thue

intersection(L_1 = [l_2, ..., l_M], l_2 = [e_1, ..., e_M]), otherwise$ 

b. integer (a,b) = 1, if a > b[a], if a = = b(a+1) U integer (a+1,b), otherwise