PFL - HW loks a) determine the positions of the movimal element of a linear list flow (1,1,0) mox Numbers (A, B, A): - 4>= B. max Numbers (A, B, B): - A < B. max Numbers (A,B) = 1 +); A>=B B; ALB flow (i.e) max List ([#], #]:- 1 maxList ([#17], R): mexList (T.R.), mex Numbers (H, R1, R) D'I MED moxList (ly..., lu) = l1 ; m=1 ruox Numbers (la, moxList (la, ..., la)) otherwise

flow(1,1,0,1) - all for ([], -, [], -). allPos([EIT], E, [ilis],i):-11 is 1+1, all tos (T, E, is, in). all Pos ([HIT], E, is, i):- dif (H, E), 11 is 1+1, all As (TIE (is, i). all Pos ((1,... ln), E, 2, i) = fall pos (l2... ln), E, A, i) lovallBs(le-la, E, & in); ly = E all Pos (Ro. la), E, 1/4); l, #E find Hellax Pos = all Mole, workist! flow (1,0) find(All Hax Pos(L) = all Pos(L, wax List(L)) find All Max Por (L, is): find the last of t max Lint (L,R), all Pos (C, R, is, 0) le) for a luterogenous list formed from integers and lists of the positions of the indexes of the max element from that sublist

flow-(i,0) list Process ([], []). list Process ([# [7], [HIR]): - number (H), list process (T,R). list hoces ([HIT], [R, 1R]): is list (H), find All Max Pos (H, P1), list Process (TR). list Process (ly... ln) = |0; n=0 findtll Max Pox(la) U list Process(la. In); ly is list -) findAll Max Pos (Ros) = (all Pos (L, mox List (L))