5) Rlation to surerus a list

scenerus ([], Y,R): - R=Y

scenerus ([H|T], Y,R): - reverse (T, [H|Y], R).

6) Palindrome predicate

Palindrome ([Y]): acc Rev ([T], A,A).

Palindrome ([T]): acc Rev ([H|T], A,R): acc Rev

palindrane (CT). acc Row (LJ, A, A).

Relindrane (LJ), acc Row (HT), A, R): acc Row (T, [H]A], R).

Palindrane (L): conc rew (L, R): acca Row (L, LJ, R).

Palindrane (L): row (List): row (List, List).

V=<+:(x, Y, x) mann Y=<+:(x, Y, x) mann Y -: (x, Y, Y) y ann

8) Find mare. in a list

marchist ([+], +)
marchist ([+, 4/Rest], Hard:-marchist ([4/Rest], Hard),
marchist ([+, 4/Rest], Hard).

SSN COLLEGE OF ENGINEERING

RECORD SHEET

Logic Programming Assignment P.T. Jayandon 205001049

Dalete that 3 elements using conc delatelast 3 (L, L1): - cone (H1, [-, -, -], L)

2) Es Delete first and last 3 elements

delete first last 3 ([-,-,-|End], Middle): - appel (Middle),

[-,-,-], End)

Relation to add item at last added (x, L, L, L):- cone(L, [x], L).

4) Polation to seemes all items x from lest

SSN COLLEGE OF ENGINEERING RECORD SHEET

Find sum of lest

cumbert ([],0).

sumbert ([-|Tail] sum): -sumbert (Tail, sum), sum in er sum

10) Find if list in ordered

ordered ([x]).

ordered ([x,y|Tail]):- x L=Y, ordered ([y|Tail]).

1) Fasterial of mo.

factorial (0,1).

factorial (N, M):-N>O, N1 is N-1, factorial (N1, M1),

Mi N*M1

12) Sun of odd, even now in a Just iseven (N): -0 is mod (N,2). sum (L7,6,0])

esem ([HH], [aven, odd]):- sem (T, [aven, odd]),
sein (H), even is even + H

tome ([| bba, mue], T) mue -: ([bbo, mue], [T/H]) mue

oddo is odd H

13) Haby a guien list site palendore

severe (LI, Y,R):-R=Y

severe ([H|T], Y,R):- severe (t, [H|Y],R).

make palindrose (x, L): revorse (x, Y,R), conc (x,R,L).

-

Shahul harneed 30500 ROT . Logic Programming. Assymment 1 Delete last 3 elements using cone defer law a (c. 1,7: - cone (c, (-,-,-], L). 3) Delete Gest and last 3 elements. delete (to) lost 3 ([.... [End] mindle) :- append (middle. [. . - .] . Emi) Relation 5) to add item at last. added Cr. L. L. D :- cone(L, C+7, L.D. 4) Relation remove all them e from 1911. Deme C. O.C. belete Cx, Cx, Mail J, tail [] deste [x, tail, tail !] cerete (X, [41 rail], [41 rail] - dide[x lail, rail] (5) Relation to revoke a list. * CO. V. R) :- R. Y. Lowe (LHIJ LA'D): BOWNE (2'[HIA]'B) (3) Restindance praticale acc new (C), A, A) COCRET (CHIT] , MAD: OCERT (T. [HITA], E) 100: (1'10): - accou (1'(7'0) Palindrane (Clat): rau (List, list). maximum of 2 elements. 3) EUCH (x1 x1 +) :- +>= x. max (x1414) : x24.

8). Find now in list Castal (Casta) mortal ([x. y|pol], max) . maxix ([y/Ref], mor next), max (x, maxiest, max), b) find the sum in lost. (0,0) resmise Sumble ([- 1 Tat] ... Sum) .. Sumber (test, Sum). Sum is a stern. (40) times it las a ordered. Craterica ((x)) ordered ((x, y + Tail)): x 2 - y, ordered ((y + Tail)) factorial of no. bestonal (c.). factorial (n.m): NOO , N, I No. factorial (N, N).) W II NAM! (1) Sum is cold four no is a test is even (N): 0 is mad (N,2). ((0,0), []) muz sum ([11/7], [over .cda]): - sum (t, [even, cdd]) icenen (4) , even is event in. Seen (Tilt), Even, edd)) . - Sum (T. (even, eddi)), ret iven (H), and it eda # in . morting a given the total palladiene. rance ([], 1, [] := R. T. Acres ((HA) 4. E): serose (T. [HIA], E) more patentiane (4.2) treverse (4.4.8), (ere (4.8.6)

NOW we suppose so split the one the way the me and the world of change to one form (ii) remove all e productions Some Con Cost ASSAIR D2-> C+ 48B 8- HB/L S- CAPP S-> GD - Pre produs we have to Ata Di - A Dz write is B > 6.8 V x Ade B A-SGA V Aran S- app B By B BUOR - AND TAXABLE not whose sais to not in the torm of to have been sind, Solapi D WAR Casa Pa-)CaB Bob A-DG-A 8-20-8 2606 And a so wit y sslaxib 8 - Xay 146 XU XD *> *> 4 Y XLOX x n grk X P Z 3-7(6) XD= D1 -> Y D2 D2 -> Cay DI - BYDL 1 28c K Dy - Bloss Y X KOKK OK ***** S - y6 - x D3 - Cay 1: 1 to down to. So xay-x られる 中心 ちからいの The Star Mile Stortd of PAR 2 0 1 SPA SUXGY Dhacay Andrew Car his hor SIXPER lade Care XLP. Lyand to Alay X 4 5 6 4255 * KOKK CX xa) cx SAXCE