V. babaniyasan 205001085 CSE-B LP-3 belete last 3 elements lising conc. => debte last 3 (L, 4):- conc (L, [-,-,-], L) Delete frost and last 3 elements 2) =) delete firstlast3 ([=,-,= ] End), MPddle) o- append (MPddle, [-,-,-], End) 12 elateon to add Hern at last => addend (x, L, Li) :- con ( [1, [x], 1) Remove all Prems X from a 18t. => Delete [-, [], []) Delete (x, [x | tool], tool1) =- delete [ 2, ton, ton 1 Delete (X, [Y | Tool], [Y | Towl 1]) = delete [x, Tarl, Tarl) Peverse a lest remove ([], Y, R):- R=7 reverse ([HIT], Y, R) = - reverse (T, [HIY], R)

```
6) Palendrone predicate:
    => BUCKEY (LJ, A, A)
     accreu ([HIT], A, A): accreu (T, [HIA], R)
     rev (L,R):- accrev (L, EJ,R)
     Palandrone (best) = rex (19st, 19st)
   Maxemum of 2 elements
   =) max (x,y,x):- x>= y
     max (x, y, y) :- X L y
8)
    Maxemum en a lest
    => maxlest ([x3,x)
     max18st [[x,y] Pest], Max)
       :- max19st [[YI Rest], Max Pest),
             max ( Y, Max Pest, Max)
9)
    Sum of list
     => Sum lest ([),0)
      Stum Post ([- | Taxl], sum)
        =- Sum lest (TOR), Sum), Sum Ps + sum
     Fond of last as ordered.
10)
     => Ordered ([x])
       Ordored ([XX] Torl])
         :- X L= Y, Ordered ([YITarl])
```

```
Factoreal of number.
11)
    > factoral (0,1)
      factoreal (N,M) =- N>0, N, 95 N-1,
              factosval (N, MI), MI), MI 95 N# MI,
(2)
    Sum of odd, even nos en a lest
    Ps even (N): - 0 95 mod (N,2)
     sum ([], [0,0])
     Sum [ EHITT, [even,odd])
         :- sum (To [event, odd]),
         95 even (H), even Ps event4 + 1+
    Sum ([HIT], [even, odd])
         in Sum (t, [even, odd1]),
            odd ps odd1+H
13)
      Make last anto palandrome
      foresse ([], Y, 2):- R=Y
      Deverse ([HIT], YIZ) 1- Dreverse (T, [HIY], R)
    make palm (x, L) :-
           reverse (XIXIR), conc (XIRIL)
```