Model matematic:

Sterge(l1..ln, X, Result) { vid, daca l1..ln = vid

//Vid daca l1..ln = X

Sterge(l2..ln, X, Result), daca l1 = X

Sterge(L1..LN, X, Result), altfel}

Numar(l1..ln, Result) {vid daca l1..ln = vid

(n,nr\_aparitii) pt fiecare n din l1…ln, altfel}

Numara\_aparitii(X, l1..ln, N, Result){ vid daca lista este vida

numara\_aparitii(X,L1..LN,Result) = 1+ numara\_aparitii(X,L2..LN,N1,Result)  , daca X=L1

numara\_aparitii(X,L1..LN,Result) = numara\_aparitii(X,L2..LN,Result),Result=L1+Result , altfel}