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{Ex3 Stiva. Petrascu Beatricia, Tataru Vlada, Vrabie Bogdan, Richicinski
Mirela}
Program P1;
type AdresaCelula= ^Celula;
     Celula=record
         NrInmat: integer;
         StatiaInmat:string;
         AnulFabricarii: 1960..2000;
         tip: string;
         Cap: real;
         Proprietar:string;
         Prec: AdresaCelula;

     end;
Var S: AdresaCelula;
    c: char;
procedure Introduc;
var R: AdresaCelula;
begin
    new(R);
    readln(R^.NrInmat);
    readln(R^.StatiaInmat);
    readln(R^.AnulFabricarii);
    readln(R^.tip);
    readln(R^.Cap);
    Readln(R^.Proprietar);
    R^.Prec:= S;
    S:= R;
end;
Procedure Extrag;
var R: AdresaCelula;
begin
    if S=nil then writeln('stiva e vida') else begin
                                                R:=S;
                                                writeln(R^.NrInmat, R^.StatiaInmat,
R^.AnulFabricarii, R^.tip, R^.Cap, R^.Proprietar);
                                                S:= S^.Prec;
                                                dispose(R);
                                                end;
end;
procedure Afis;
var R: AdresaCelula;
begin
    if S=nil then writeln('stiva este vida')
    else begin
        writeln('Stiva include elementele:');
        R:=S;
        while R<>nil do begin
            writeln(R^.NrInmat, R^.StatiaInmat, R^.AnulFabricarii, R^.tip, R^.Cap,
R^.Proprietar);
            R:=R^.Prec;
        end;
    end;
end;
begin
    S:= nil;
    repeat readln(c);
    case c of
        'I': Introduc;

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'E': Extrag;  
'A': Afis;  
'O':  
else writeln ('nema');  
end;  
until c='O';  
end.
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