

```

uses crt;
const maxkap=20; {maximalis kapacitas}
var n,p,k: integer;
    v:array[1..maxkap] of integer;
    valtozhat, jo, tele: boolean;

procedure init;
begin
    v[p]:=0
end;

procedure modosit;
begin
    valtozhat := (v[p]<n);
    if valtozhat then inc(v[p])
end;

procedure ellenoriz;
var i:integer;
begin
    jo:=true;
    for i:=1 to p-1 do begin
        jo := (v[i]<>v[p]);
        if not jo then exit
    end
end;

procedure vizsgal;
begin
    tele:= (p=n);
end;

procedure kiir;
var i,j:integer;
begin
    for i:=1 to p do
        begin
            writeln;
            for j:=1 to p do
                if i=v[j] then write('B':3) else write('*':3);
            writeln;
        end;
end;

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    writeln;writeln;
end;

begin {foprogram}
    clrscr;
    write('n=');readln(n);
    p:=1; init;
    while p>0 do
        begin
            repeat
                modosit;
                if valtozhat then ellenoriz
            until (not valtozhat) or jo;
            if valtozhat then begin
                vizsgal;
                if tele then kiir
                    else begin
                        inc(p);
                        init
                    end;
            end
                else dec(p);
        end; {while vege}
    readln;
end.

```