

```

program hanoy;
  uses crt,graph;
var
  dri,mode,i,r,n:integer;
  x:array [0..15] of integer;
procedure gr(x:array of integer);
var
  c:char;
begin
  for i:=1 to n do
  begin
    circle(x[i],239,r*i); setfillstyle(1,i); floodfill(x[i]+r*i-1,239,15);
    end;
  c:=readkey; setfillstyle(1,16); floodfill(1,1,14);
  end;
procedure abc(a,b,c,a1,b1,c1:integer);
begin
  if a>1 then abc(a-2,a-1,a,a1,b1,c1);
  if a=1 then begin x[a]:=b1; gr(x); end;
  x[b]:=c1; gr(x);
  if a>1 then abc(a-2,a-1,a,b1,c1,a1);
  if a=1 then begin x[a]:=c1; gr(x); end;
  x[c]:=b1; gr(x);
  if a>1 then abc(a-2,a-1,a,c1,a1,b1);
  if a=1 then begin x[a]:=a1; gr(x); end;
  x[b]:=b1; gr(x);
  if a>1 then abc(a-2,a-1,a,a1,b1,c1);
  if a=1 then begin x[a]:=b1; gr(x); end;
  end;
begin
  clrscr;
  writeln('number of circle');
  readln(n);
  r:=round(100/n);
  dri:=detect; initgraph(dri,mode,"");
  for i:=1 to n do x[i]:=110;
  gr(x);
  abc(n-2,n-1,n,100,530,320);
end.

```