

PROGRAM Robinson ;

uses wincrt ;

var

a:char ;

n,i,j:integer;

ch:string;

procedure saisir(var a:char; var n:integer);

begin

repeat

write('n = ');readln(n);

until (n in [2..20]);

repeat

write('a = ');readln(a);

until a in ['0'..'9'];

end;

function suite(n:integer;a:char): string;

var ch,u,v: string;

c:string;

i,j,nb:integer;

begin

u:=a;

for i:=1 to n do

begin

ch:='9876543210';

v:="";

for j:=1 to length(ch) do

begin

nb:=0;

while pos(ch[j],u)<>0 do

begin

nb:=nb+1;

delete(u,pos(ch[j],u),1);

end;

if nb<>0 then

begin

str(nb,c);

v:=v+c+ch[j];

end;

end;

u:=v;

end;

suite:= u;

end;

begin

saisir(a,n);

write (suite(n,a));

end.