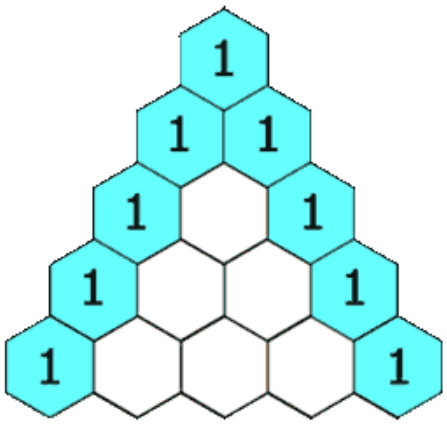
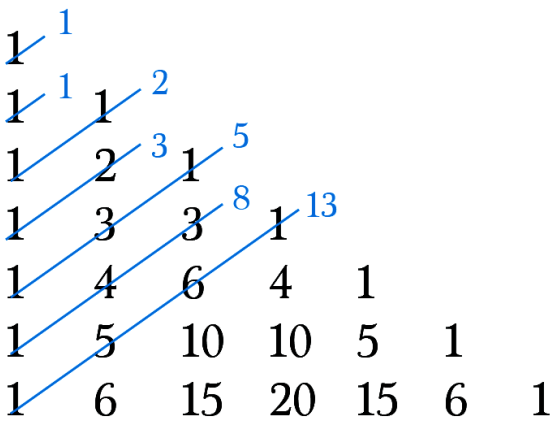
Programy - Pascalov trojuholník :)



Pascalov trojuholník



Pascalov trojuholník
a Fibonacciho postupnosť

Program napísaný v jazyku Pascal.

```
program Pascalov_trojuholnik_inak;

var
 vyska,i,j,zackon:integer;
 riadok_clen: array[1..8,1..8] of integer;

begin
 zackon:=1;
 vyska:=8;
 riadok_clen[1,1]:=zackon;
 for i:=2 to 8 do
 begin
 riadok_clen[i,1]:=zackon;
 riadok_clen[i,i]:=zackon;
 end;

for i:=3 to 8 do
 begin
 for j:=2 to i-1 do
 begin
 riadok_clen[i,j]:=riadok_clen[i-1,j-1]+riadok_clen[i-1,j]
 end;
 end;

for i:=1 to 8 do
 begin
 for j:=1 to i do
 begin
 write(riadok_clen[i,j]);
 write(' ');
 end;
 writeln;
 end;
 readln;
end.
```

Program napísaný v jazyku Pascal.

```
program PascalovtrojuholnikOk2;

function FAKTORIAL (cislo:integer):longint;
```

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```
 var
 i: integer;
 f: longint;
 begin
 f:=1;
 for i:=cislo downto 2 do f:=f*i;
 FAKTORIAL:=f;
 end;

function KOMB_CISLO (n,k:integer):longint;
 begin
 KOMB_CISLO:=FAKTORIAL(n) div FAKTORIAL(k) div FAKTORIAL(n-k)
 end;

var
 i,j:integer;

begin
 writeln (' 1');
 writeln (' 1 1');
 for i:= 2 to 9 do begin
 write (' 1');
 for j:=1 to i-1 do write (KOMB_CISLO(i,j):5);
 writeln (' 1');
 end;
 readln;
end.
```

Program napísaný v jazyku Pascal.

```
program PascalovtrojuholnikOk;

function FAKTORIAL (cislo:integer):longint;
 var
 i,j: integer;
 f: longint;
 begin
 f:=1;
 for i:=cislo downto 2 do f:=f*i;
 FAKTORIAL:=f;
 end;

function KOMB_CISLO (n,k:integer):longint;
 begin
 KOMB_CISLO:=FAKTORIAL(n) div FAKTORIAL(k) div FAKTORIAL(n-k)
 end;

var
 i,j:integer;

begin
 writeln (' 1');
 writeln (' 1 1');
 for i:= 2 to 8 do begin
 for j:=24-(i*3) downto 1 do write (' ');
 write('1');
 for j:=1 to i-1 do write (' ',KOMB_CISLO(i,j):5);
 writeln (' 1');
 end;
 readln;
end.
```

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