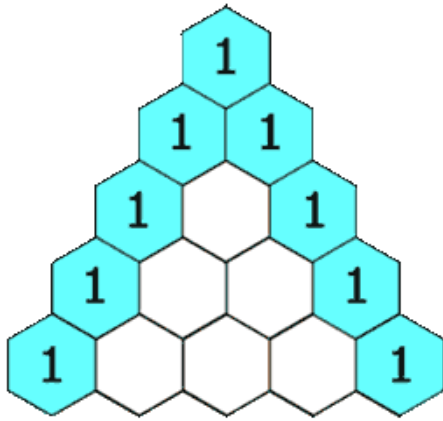
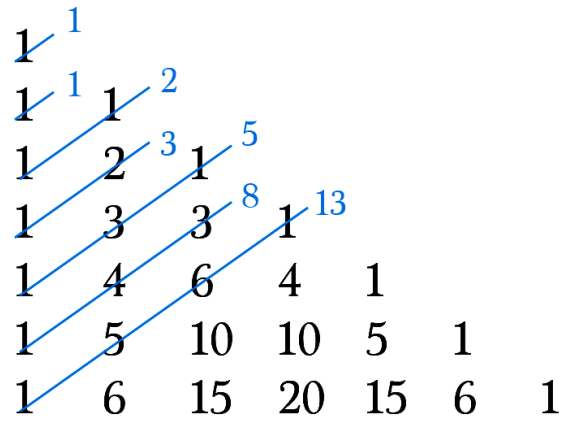


Programy - Pascalov trojuholník :



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 Pascalovtrojuholnik0k2;
function FAKTORIAL (cislo:integer):longint;
```

```

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 Pascalovtrojuholnik0k;

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.

```

