%---------------------HW 3.37-------------------------

%----------------------KODLAR-------------------------

N=5;

x=[0,0,0,0];

y=[0,0,0,0];

for i=1:100

%stirlings formulu

x(1,i)=sqrt(2\*pi)\*i^(i+1/2)\*exp(-i);

end

for i=1:100

%stirlings formulu

y(1,i)=factorial(i);

end

i=[1:1:100];

plot(i,y,i,x);

%-----------------------------------------------------



