NameF1[arg1\_]:=If[arg1==0,1,If[arg1<0,"Отрицательный",NameF1[arg1-1]\*arg1]];

arg1=5;

Print[NameF1[arg1]];

P1=100;

P2=300;

P3=500;

Obl=Table[0,{100},{100}];

Powerkon=Table[0,{100},{100}];

Vyshky=Table[RandomInteger[{1,100}],{10},{2}]

For[k=1,k<6,k++,

For[i=1,i<101,i++,

For[j=1,j<101,j++,

If[i==Vyshky[[k,1]]&&j==Vyshky[[k,2]],Powerkon[[i,j]]=P1,

Obl[[i,j]]=P1/((i-Vyshky[[k,1]])^2+(j-Vyshky[[k,2]])^2);

If[Obl[[i,j]]>Powerkon[[i,j]],Powerkon[[i,j]]=Obl[[i,j]]]]]]];

For[k=6,k<9,k++,For[i=1,i<101,i++,For[j=1,j<101,j++,If[i==Vyshky[[k,1]]&&j==Vyshky[[k,2]],Powerkon[[i,j]]=P2,Obl[[i,j]]=P2/((i-Vyshky[[k,1]])^2+(j-Vyshky[[k,2]])^2);

If[Obl[[i,j]]>Powerkon[[i,j]],Powerkon[[i,j]]=Obl[[i,j]]]]]]];

For[k=9,k<11,k++,For[i=1,i<101,i++,For[j=1,j<101,j++,If[i==Vyshky[[k,1]]&&j==Vyshky[[k,2]],Powerkon[[i,j]]=P3,Obl[[i,j]]=P3/((i-Vyshky[[k,1]])^2+(j-Vyshky[[k,2]])^2);

If[Obl[[i,j]]>Powerkon[[i,j]],Powerkon[[i,j]]=Obl[[i,j]]]]]]];

sum=0;

People=Table[RandomInteger[{1,1000}],{100},{100}];

For[i=1,i<101,i++,

For[j=1,j<101,j++,

If[Powerkon[[i,j]]>1,sum+=People[[i,j]]]]]

sum

SUM=0;

For[i=1,i<101,i++,

For[j=1,j<101,j++,

If[Powerkon[[i,j]]>=0,SUM+=People[[i,j]]]]]

SUM

N[sum/SUM]\*100

ListPlot3D[Powerkon]

M=Table[0,{i,15},{j,15}];

M[[3,2]]=1;

M[[3,13]]=1;

M[[5,13]]=1;

M[[5,15]]=1;

M[[10,15]]=1;

M[[10,2]]=1;

inah=0;

jnah=0;

For[i=1,i<16,i++,

For[j=1,j<16,j++,

If[M[[i,j]]==1,If[inah!=0,Break[],inah=i;jnah=j]]]];

Cycle=False;

nahPointi=inah;

nahPointj=jnah;

Print["M[",inah,",",jnah,"]"];

While[Cycle==False,

iPrev=inah;

For[i=inah,i<16,i++,

If[M[[i,jnah]]==1,inah=i]

];

For[i=iPrev,i<inah,i++,

If[M[[i,jnah]]==0&&iPrev<i<inah,M[[i,jnah]]=2]

];

If[inah==iPrev,

For[i=inah,i>0,i--,

If[M[[i,jnah]]==1,inah=i]

]

For[i=iPrev,i>inah,i--,

If[M[[i,jnah]]==0&&iPrev>i>inah,M[[i,jnah]]=2]

];

];

Print["M[",inah,",",jnah,"]"];

If[nahPointi==inah&&nahPointj==jnah,Cycle=True];

jPrev=jnah;

For[j=jnah,j<16,j++,

If[M[[inah,j]]==1,jnah=j]

];

For[j=jPrev,j<jnah,j++,

If[M[[inah,j]]==0&&jPrev<j<jnah,M[[inah,j]]=2]

];

If[jnah==jPrev,

For[j=jnah,j>0,j--,

If[M[[inah,j]]==1,jnah=j]

]

For[j=jPrev,j>jnah,j--,

If[M[[inah,j]]==0&&jPrev>j>jnah,M[[inah,j]]=2]

];

];

Print["M[",inah,",",jnah,"]"];

If[nahPointi==inah&&nahPointj==jnah,Cycle=True];

];

Print[MatrixForm[M]];