clear

clf

n = 50 %Set square

GRID = zeros(n);

for i=1:n

for j = 1:n

%.6 probability 60/40->1/0

if(rand<=0.6)

GRID(i,j)=1;

else

GRID(i,j)=0;

end

end

end

UP = [2:n 1];

DOWN = [n 1:n-1];

colormap(gray(2));

for i= 1:1000

%8 versions of GRID

NEIGHBORS = GRID(UP,:) + GRID(UP,UP) + GRID(:,DOWN) + GRID(:,UP) + GRID(DOWN,:)+ GRID(DOWN,DOWN) + GRID(DOWN,UP)

+ GRID(UP,DOWN);

GRID=NEIGHBORS==3|NEIGHBORS==2&GRID;

image(GRID\*2);

pause(.1);

end

title('My Game Of Life '); % title for diagram

A screenshot of a cell phone

Description automatically generatedA picture containing clock

Description automatically generated