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COGS 104

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Assignment 8: The Game of Life

clear

clf

n=50;

GRID=rand(n,n)>.4;

%GRID(24,26)=0;

%GRID(24,26)=1;

UP=[2:n 1];

DOWN=[n 1:n-1];

colormap(gray(2));

for i=1:1000

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

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

image(GRID\*2);

pause(0.1);

end

