

Министерство образования Республики Беларусь  
Учреждение образования  
Брестский государственный технический университет

Кафедра ИИТ

Лабораторная работа №6  
Тема: "Исследование нейронных сетей в задачах распознавания  
образов "

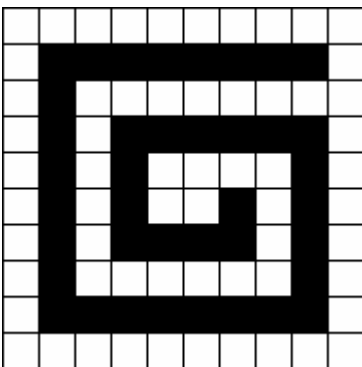
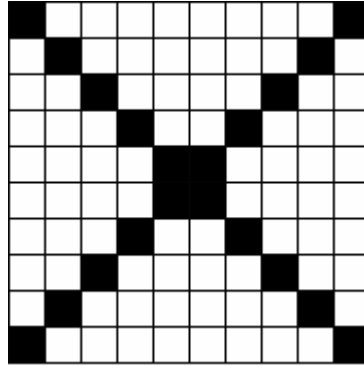
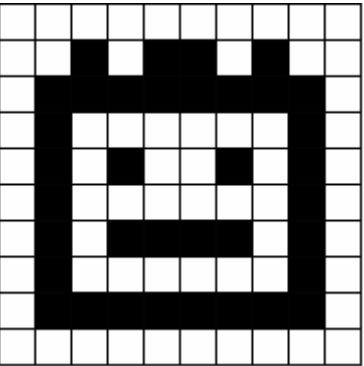
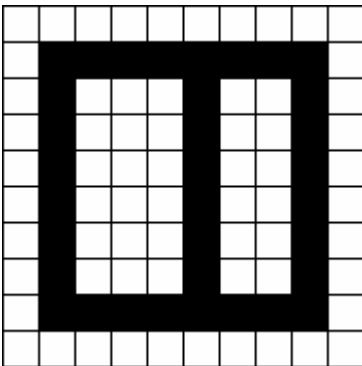
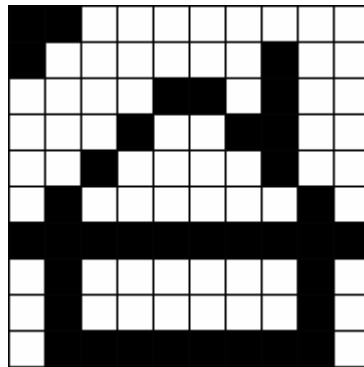
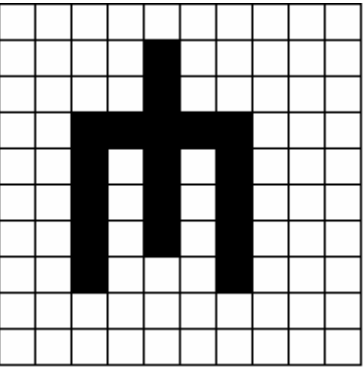
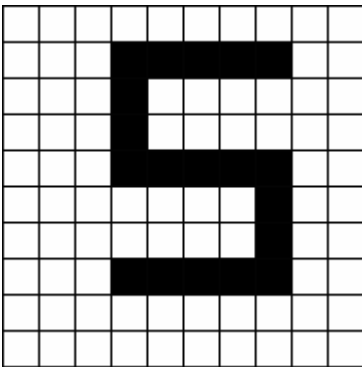
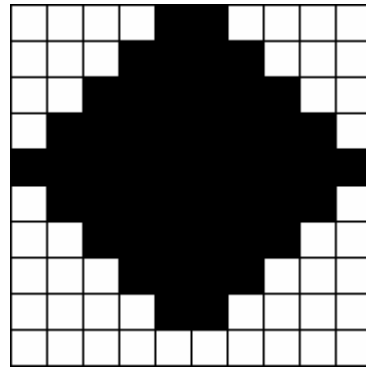
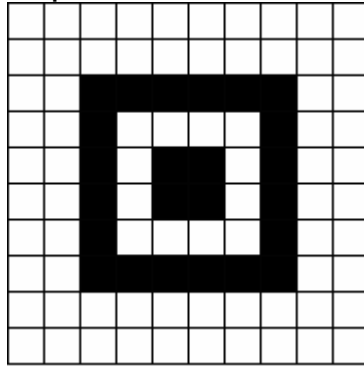
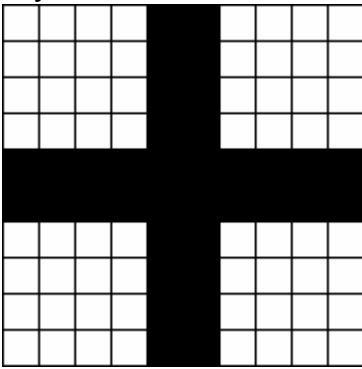
Выполнил:  
студент 3 курса  
гр. АС-16 ЭМФ  
Бриштель Е.А.

Проверил:  
Акира Имада.

Брест 2005

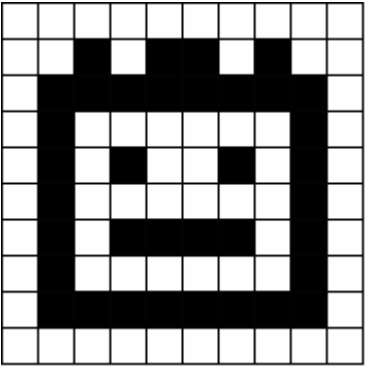
## Excercise 1

My neural network has 10 patterns:

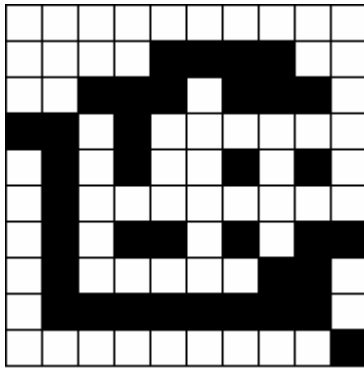
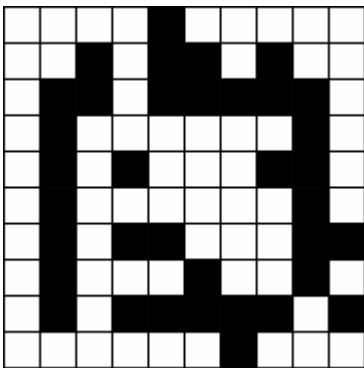
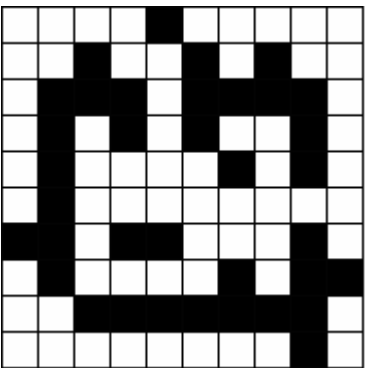


**Excercise 2**

Enter:



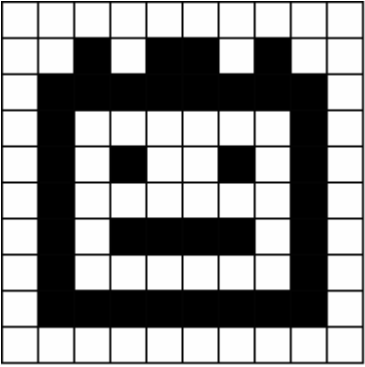
Exit: (if  $W_{ij}$ =Random)



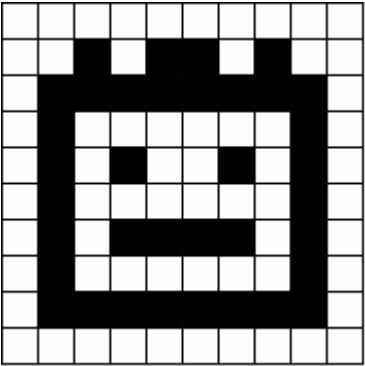
And so to  $\infty$ .

**Excercise 3**

Enter:



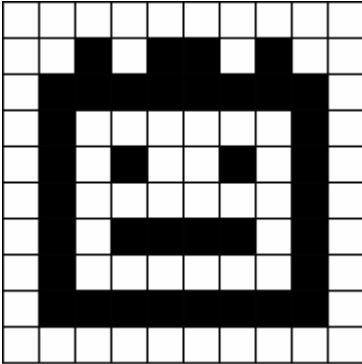
And Exit:



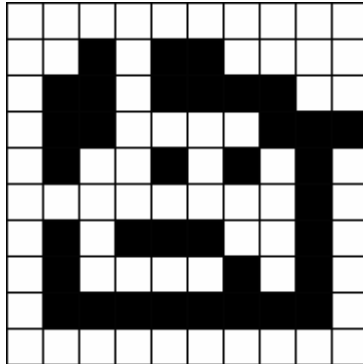
## Excercise 4

Enter:

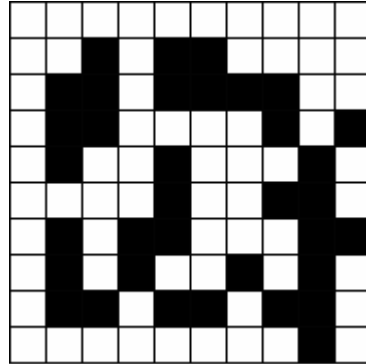
Noise=0%



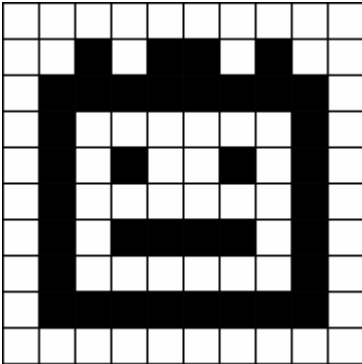
Noise=15%



Noise=40%



Exit:



If Noise>40% then Pattern is not recognized.