

Министерство образования Республики Беларусь
Учреждение образования
Брестский государственный технический университет

Кафедра ИИТ

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

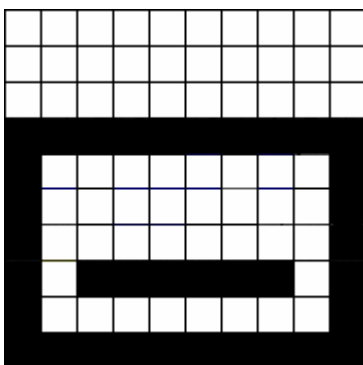
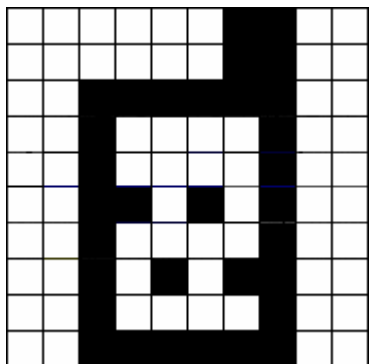
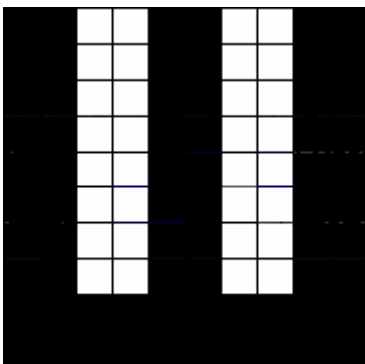
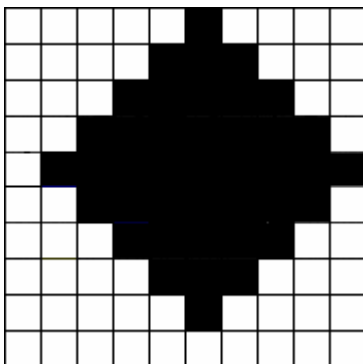
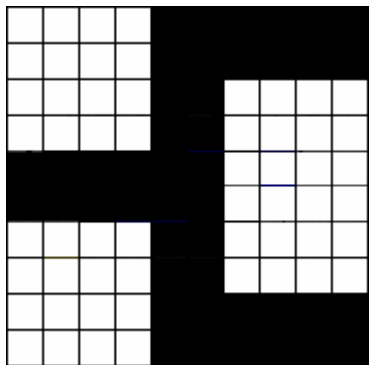
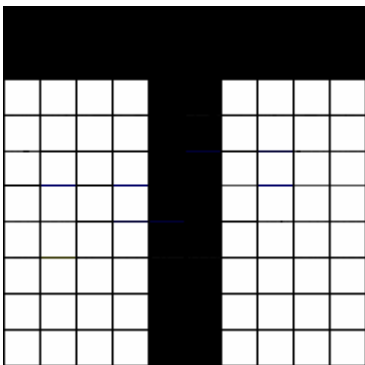
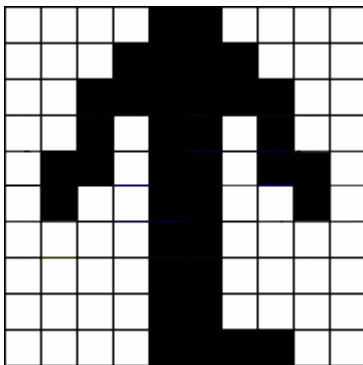
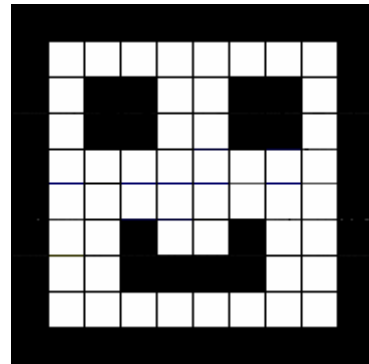
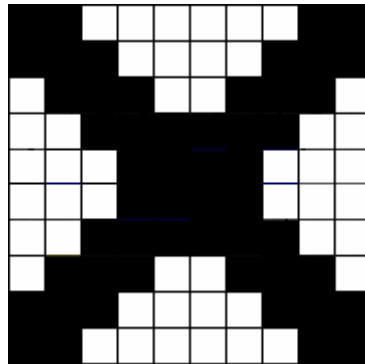
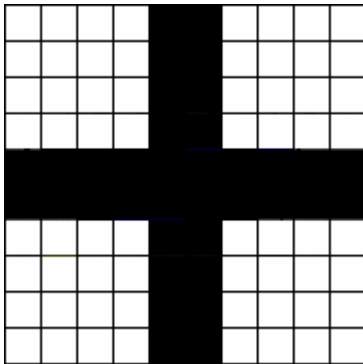
Выполнил: студент 3 курса
гр. АС-16 ЭМФ
Лопатин О.А.

Проверил: Акира Имада

Брест 2005

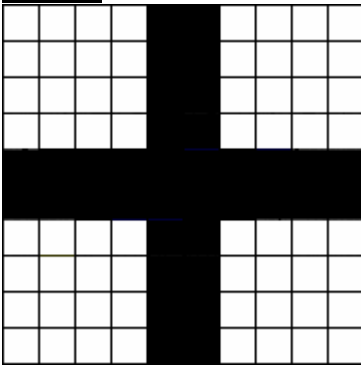
Excercise 1

My neural network has 10 patterns:

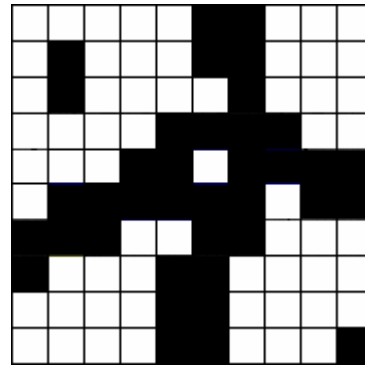
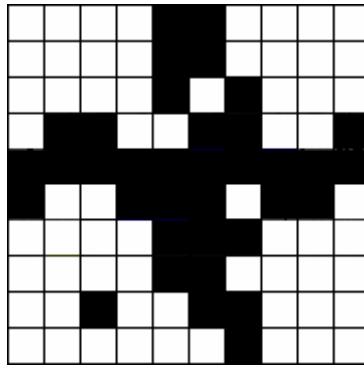
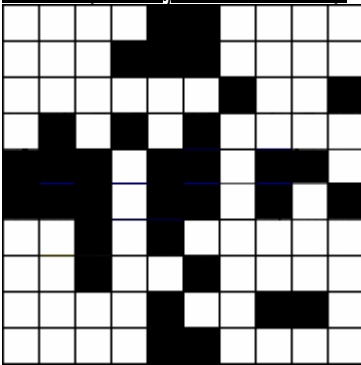


Excercise 2

Enter:



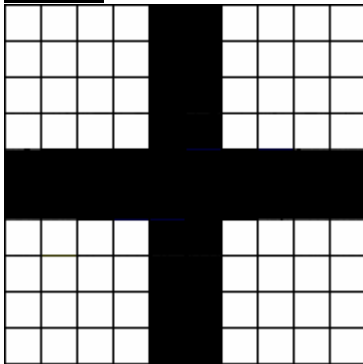
Exit: (if $W_i \neq \text{Random}$)



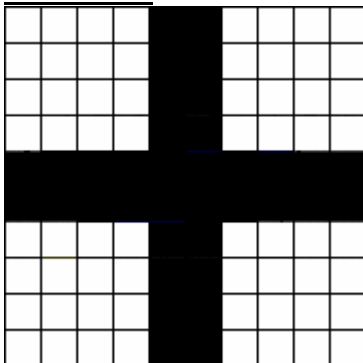
And so to ∞ .

Excercise 3

Enter:



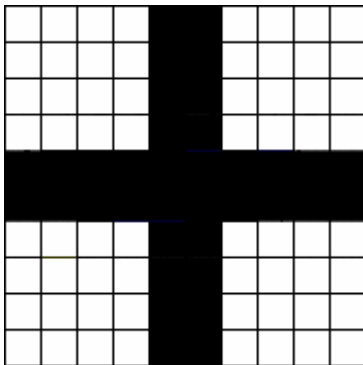
And Exit:



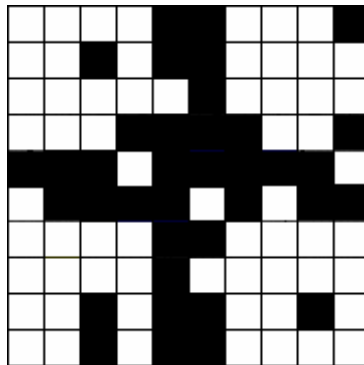
Excercise 3

Enter:

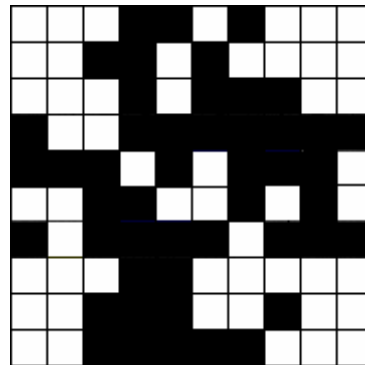
Noise=0%



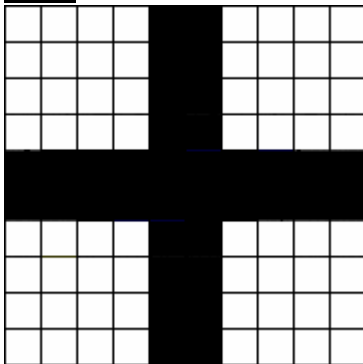
Noise=15%



Noise=40%



Exit:



If Noise>40% then Pattern is not recognized.