

Министерство образования Республики Беларусь
Учреждение образования
Брестский государственный технический университет

Кафедра ИИТ

Лабораторная работа №6

Тема: "Исследование нейронных сетей в задачах распознавания
образов "

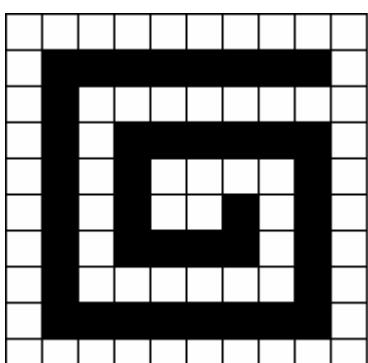
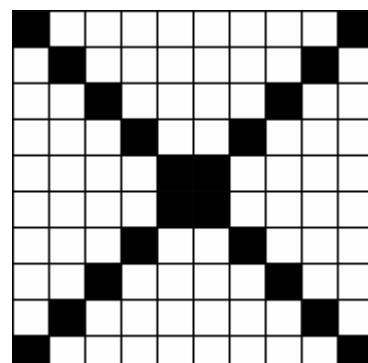
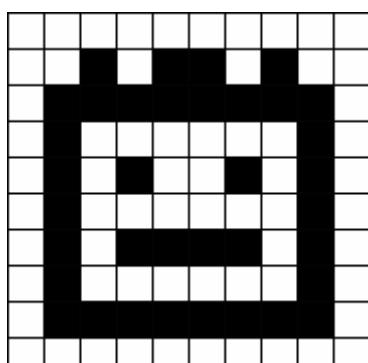
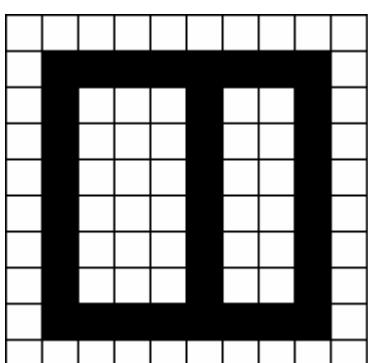
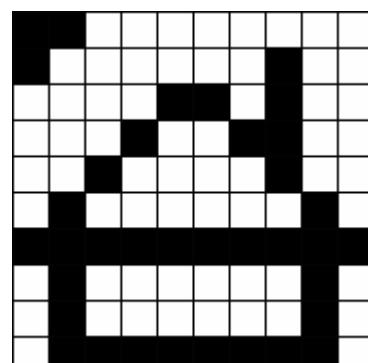
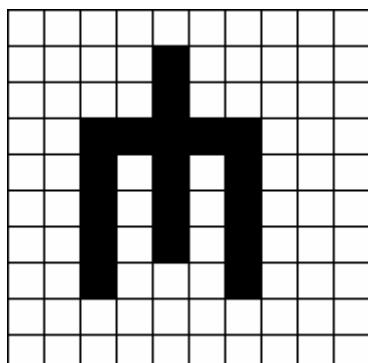
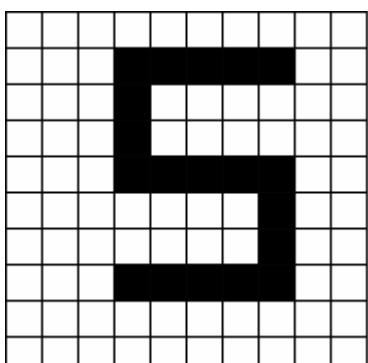
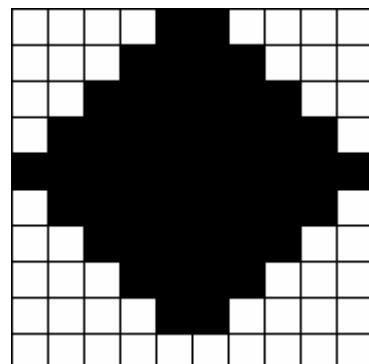
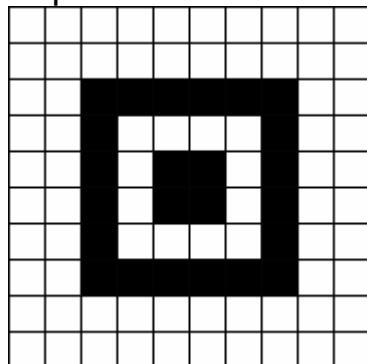
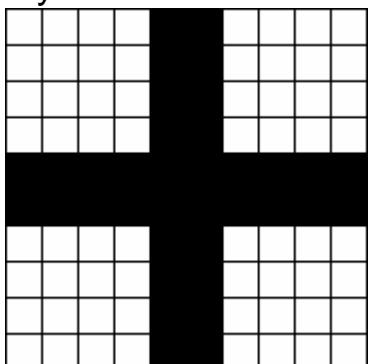
Выполнил:
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гр. АС-16 ЭМФ
Бриштель Е.А.

Проверил:
Акира Имада.

Брест 2005

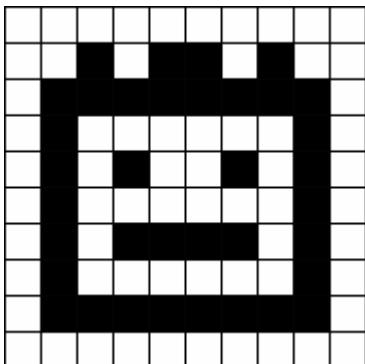
Excercise 1

My neural network has 10 patterns:

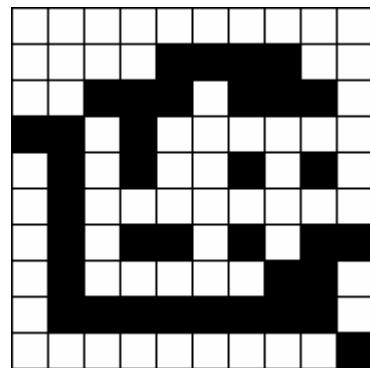
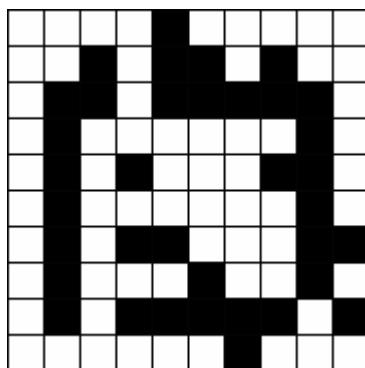
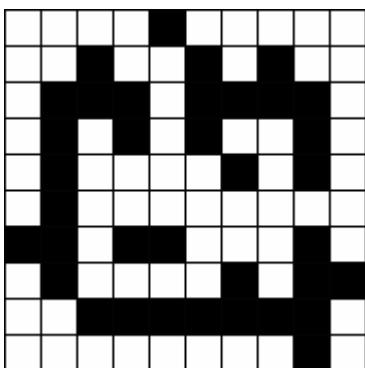


Excercise 2

Enter:



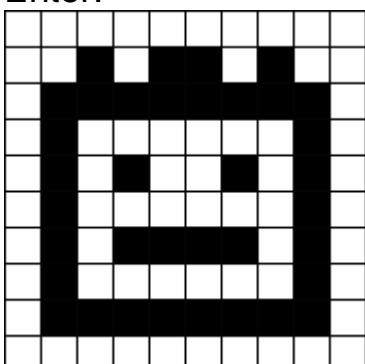
Exit: (if $W_{ij} = \text{Random}$)



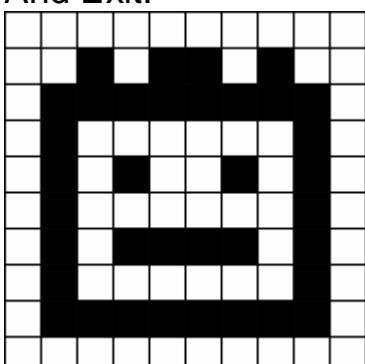
And so to ∞ .

Excercise 3

Enter:



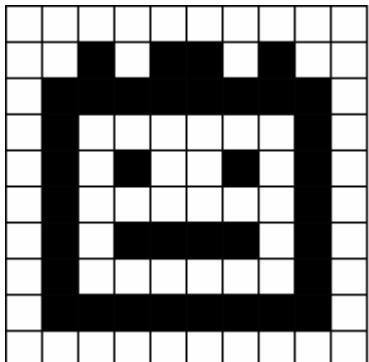
And Exit:



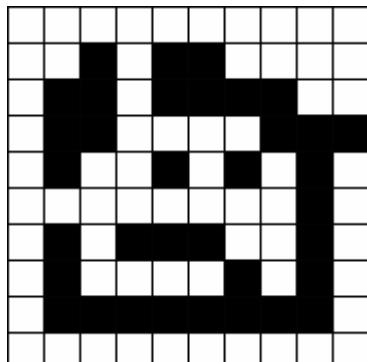
Excercise 4

Enter:

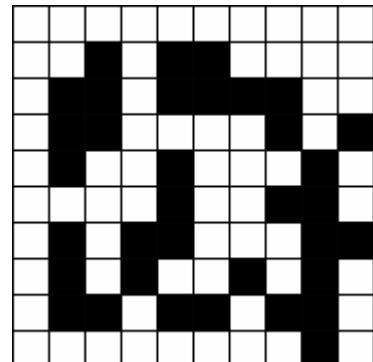
Noise=0%



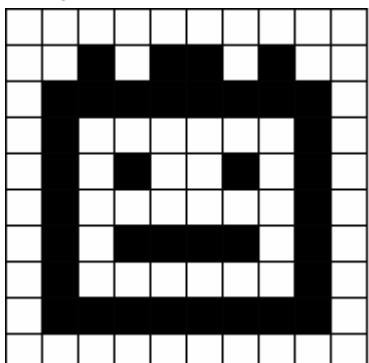
Noise=15%



Noise=40%



Exit:



If Noise>40% then Pattern is not recognized.