# 1.0 Implement simple logic network using MP neuron model

clear all;

close all;

clc;

x1=[0 0 1 1]

x2=[0 0 0 1]

y=[ 0 0 0 1]

w1=input('Enter the value of weight 1');

w2=input('Enter the value of w2');

yin=w1\*x1+w2\*x2;

n=input('enter the number of neurons');

w=input('Enter the exhibitory weights');

p=input('Enter the value ofinhibitory weights');

theta=n\*w-p;

for i=1:4

if yin>=theta;

y(i)=1;

else

y=0;

end

end

yin

y

**Output:**

Enter the value of weight 1 1

Enter the value of w2 0

enter the number of neurons2

Enter the exhibitory weights 1

Enter the value ofinhibitory weights -1

yin =

0 0 1 1

y =

0