Relatório Perceptron

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```
clear all, close all, clc
```

Aula 01 - ICAC - Exercício 1

```
net1 = newp([-3 3; -3 3; -3 3], 3);

net1.layers{1}.transferFcn = 'tansig';
net1.IW{1,1} = [-.5 1 .5; .5 1 -.5; 1 1 1];
a1 = sim (net1, [1;2;3])
```

```
a1 =

    0.9951
    0.7616
    1.0000
```

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Pesos Entrada	Função	Entrada	Saída
[1 -1]	hardlim	[.5;.8]	0
[1 -1]	hardlims	[.5;.8]	-1
[-1 1]	hardlim	[.5;.8]	1
[-1 1]	hardlims	[.5;.8]	1
[-1 1] [1 -1]	logsig	[.3;.7]	[0.5987 0.4013]
[-1 1] [1 -1]	tansig	[.3;.7]	[0.3799 - 0.3799]

Pesos Entrada	Função	Entrada	Saída
[1 -1 .5]	purelin	[1;2;3]	-1.5000
[1 -1 .5]	logsig	[1;2;3]	0.1824
[1 -1 .5]	tansig	[1;2;3]	-0.9051
[-.5 1 .5] [.5 1 -.5] [1 1 1]	purelin	[1;2;3]	3;1;6
[-.5 1 .5] [.5 1 -.5] [1 1 1]	logsig	[1;2;3]	0.9526; 0.7311; 0.9975
[-.5 1 .5] [.5 1 -.5] [1 1 1]	tansig	[1;2;3]	0.9951; 0.7616; 1.0000