

Relatório memória associativa

% Aula 2

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

% Example

```
% net = newp([-2 2; -2 2], 1); % 2 entradas , 1 saída
```

```
% p = [2 1 -1 -1; 2 -2 2 1]; % Entrada
```

```
% t = [1 1 0 0]; % Saída desejável
```

```
% sim(net, p)
```

```
% net = train(net, p, t);
```

```
% sim(net, p)
```

```
net = newp([-1 1; -1 1; -1 1; -1 1; -1 1], 4);
```

% Entradas 5x1

```
Beethoven = [1; 1; 1; -1; -1];
```

```
Homero = [1; -1; 1; -1; 1];
```

```
Picasso = [1; 1; -1; -1; 1];
```

% Saídas 4x1

```
Music = [1; 1; -1; -1];
```

```
Litterature = [1; -1; 1; -1];
```

```
Painting = [1; -1; -1; 1];
```

```
p = {Beethoven Homero Picasso};
```

```
t = {Music Litterature Painting};
```

```
net.layers{1}.transferFcn = 'hardlims';
```

```
s1 = sim(net, p)
```

```
net = train(net, p, t);
```

```
s2 = sim(net, p)
```

s1 =

[4x1 double] [4x1 double] [4x1 double]

	s1	s2	
	1x3 cell		
	1	2	3
1	[1;1;1;1]	[1;1;1;1]	[1;1;1;1]

s2 =

	[4x1 double]	[4x1 double]	[4x1 double]
	s1	s2	
	1x3 cell		
	1	2	3
1	[1;-1;-1;-1]	[1;-1;1;-1]	[1;-1;-1;1]



