

% TO USE perceptdem2d.m for solve / visualize EXAMPLE 4.4

```
p1 = [2;2]
t1 = 0
p2 = [1;-2]
t2 = 1
p3 = [-2;2]
t3 = 0
p4 = [-1;1]
t4 = 1
% PUT all individual vector patterns together in mtx PATS
PATS = [p1,p2,p3,p4]
% PUT all individual targets together in mtx TARGETS
TARGETS = [t1,t2,t3,t4]
% The initial weights and bias chosen by book author for Prob 4.4 (and we will only go to 5 epochs max)
Winit = [0 , 0]
%
binit = 0
%
maxepochs = 5
```

```
%% #####
```

```
lastepoch = perceptdem2d(PATS, TARGETS, Wini, bini, maxepochs);
```

