Assignment 2

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- Linear Regression:
 - \circ W = -0.78223 0.14425 0.46916 -0.44467 -0.12903
 - \circ Ein =0
 - o Eout=0.0243
- Non Linear Regression
 - W= -4.556317 2.087750 1.123430 -1.927859 0.116359 -0.187289 -0.025208
 0.138921 0.497422 -0.141351 0.093756 0.116409 0.148946 -0.399300 -0.296759
 - \circ Fin = 0
 - \circ Eout = 0.024390
- Pocket algorithm
 - \circ W = 1.5000 1.3000 5.7000 -8.7000 -2.7000
- The following Ein and Eout were obtained for the partitions, each of them were run for 1 to 100 epochs
 - \circ 30 70
 - Ein: 0.2444 0.2444 0.0222 0
 - Eout: 0.3714 0.3714 0.0285
 - · 40-60
 - Ein 0.35 0.35 0.03333 0.033

 $\begin{array}{c} 0.03333\ 0.033$

■ Eout 0.322 0.322 0.0222 0.0

o 50-50

· 60-40

o 70-30

For the graphs









