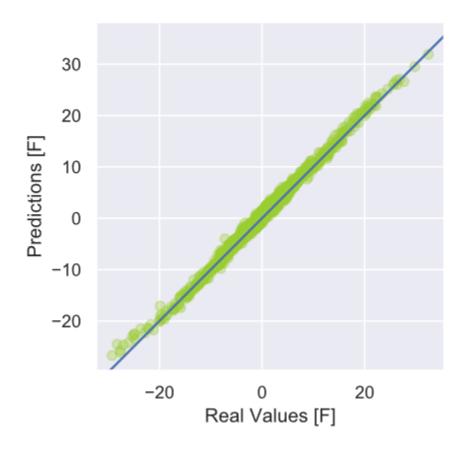


PREDICTED FUNCTION

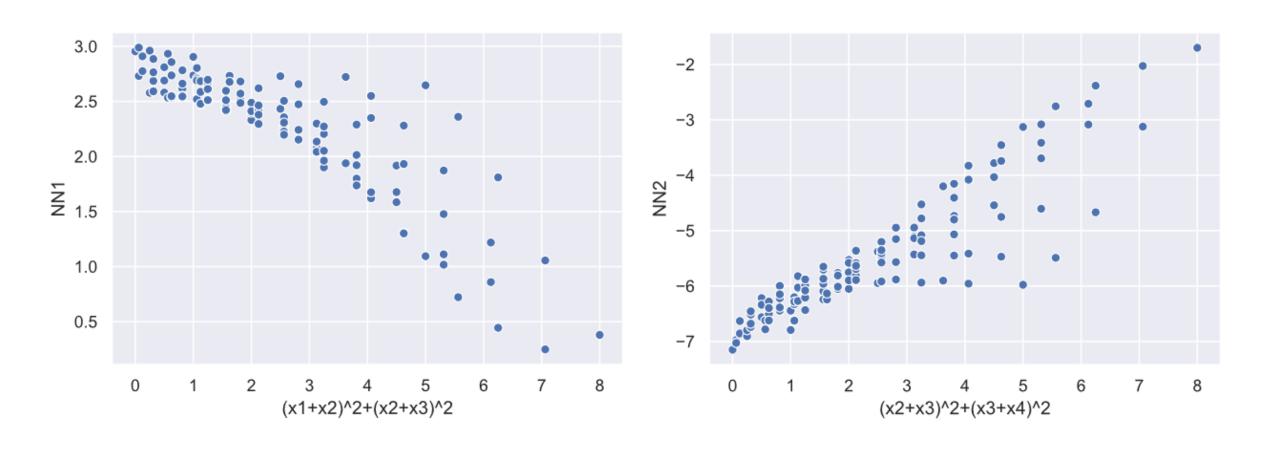
$$F(x_1, x_2, x_3, x_4) = ((x_1 + x_2)^2 + (x_2 + x_3)^2)^2 - ((x_2 + x_3)^2 + (x_3 + x_4)^2)^2$$

NN STRUCTURE NN1 (x_2) NN2

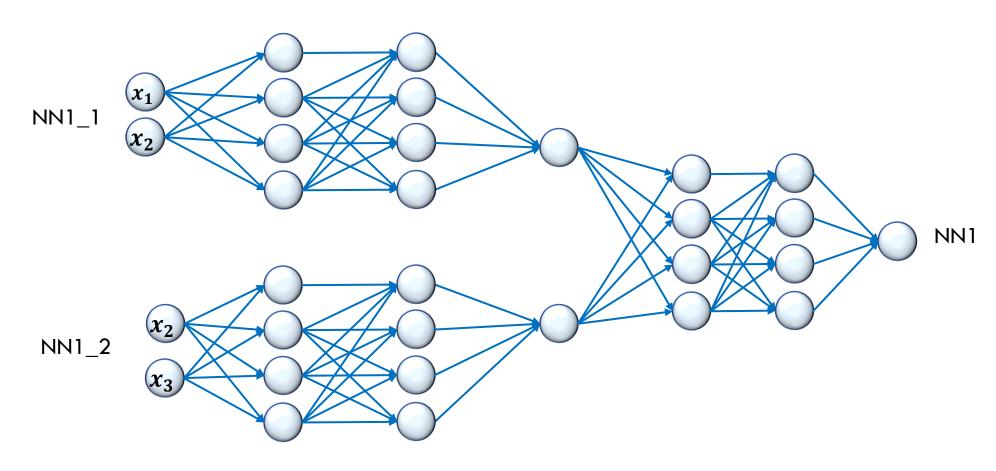
MSE = 0.5



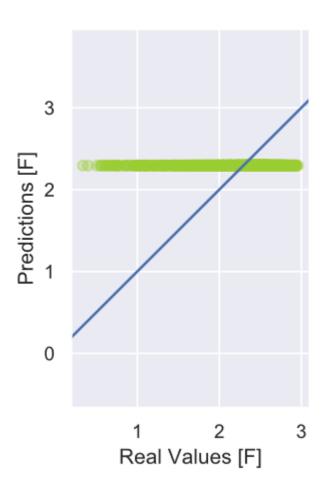
NN1 & NN2 PREDICTIONS



HALVING NN1



NN1: DOES NOT CONVERGE



NN2: DOES NOT CONVERGE

