

NEURAL NETWORK: ASSIGNMENTS

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1. ASSIGNMENT 1

1.1. **4bit dataset with an additional layer.** With topology $[4, 4, 1]$ over 10 trials:
total training + eval time: 19.50439286 sec

	train	test
MSE	0.0011	0.0012
Epochs	1700	1800
Time	19	20

	mean	sdte
trainPerf	93.125	12.327
testPerf	98.75	2.5
Time	1.95	0.53