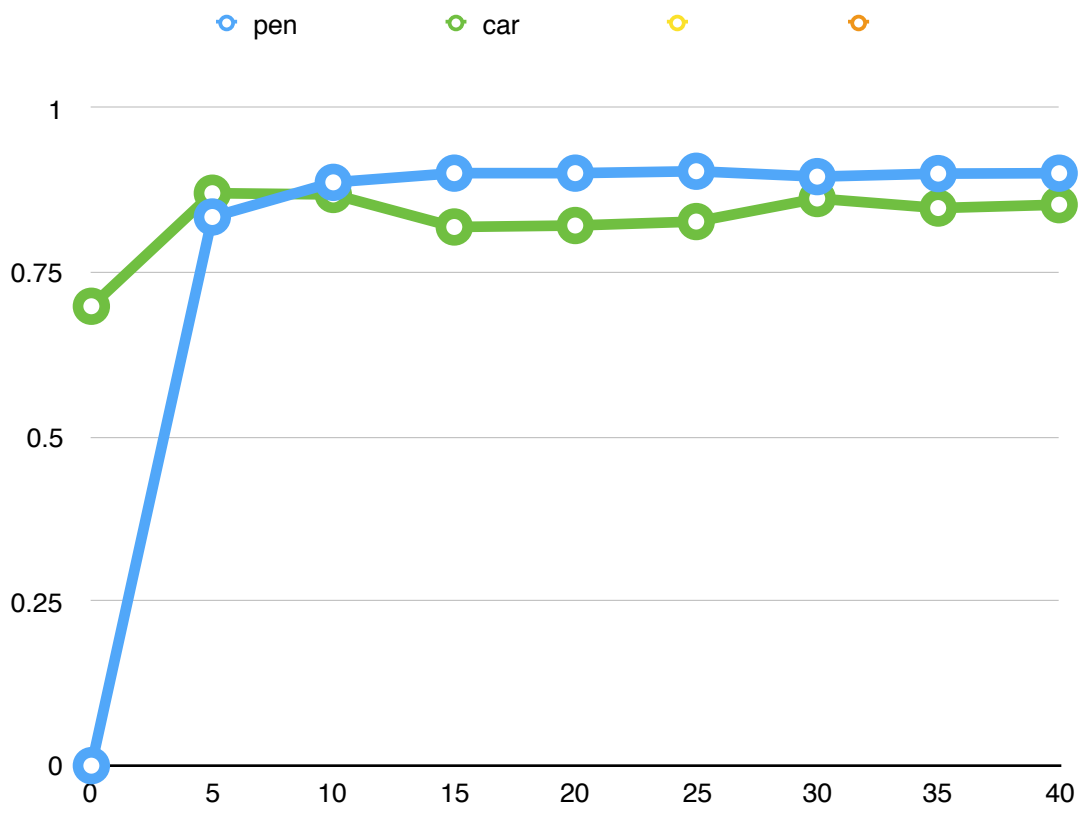
Pen

	trial 1	trial 2	trial 3	trial 4	trial 5	max	averages	std
default	0.9068	0.8885	0.9108	0.9088	0.8887	0.91080	0.90074	0.00995
0	0	0	0	0	0	0	0	0
5	0.8379	0.8464	0.8113	0.8347	0.8430	0.8464	0.8347	0.0123
10	0.9036	0.88078	0.8825	0.8913	0.8787	0.90365	0.8874	0.0091
15	0.8867	0.9059	0.9022	0.9048	0.9076	0.9076	0.9014	0.0075
20	0.88564	0.9022	0.9096	0.9070	0.9025	0.90966	0.9014	0.00837
25	0.90222	0.90909	0.90222	0.90137	0.9065	0.90909	0.90428	0.00300
30	0.89222	0.89079	0.90280	0.90651	0.8882	0.9065	0.89611	0.0071
35	0.88936	0.90051	0.90680	0.90394	0.90280	0.90680	0.90068	0.00601
40	0.90194	0.90108	0.90337	0.89965	0.9005	0.90337	0.90131	0.00127

Car

	trial 1	trial 2	trial 3	trial 4	trial 5	max	averages	std
default	0.862	0.842	0.828	0.869	0.850	0.869	0.850	0.0146
0	0.69895	0.6989	0.6989	0.6989	0.6989	0.6989	0.6989	0.0
5	0.8828	0.8638	0.85732	0.8697	0.8808	0.8828	0.8709	0.00977
10	0.8658	0.8769	0.8717	0.85274	0.8776	0.8776	0.86897	0.00915
15	0.8180	0.80824	0.8331	0.8219	0.8160	0.83311	0.81950	0.0081
20	0.81806	0.83507	0.8108	0.82198	0.82264	0.8350	0.82172	0.0078
25	0.82657	0.82198	0.82264	0.82198	0.84554	0.84554	0.82774	0.00906
30	0.85013	0.85994	0.87434	0.86256	0.86714	0.87434	0.8628	0.00801
35	0.85274	0.8481	0.8448	0.85994	0.83573	0..8599	0.84829	0.00806
40	0.85078	0.86256	0.84882	0.85340	0.85143	0.8625	0.85340	0.00480



By increasing the number of hidden layer perceptrons, we are effectively increasing the accuracy of the neural network. As we increase the dimensions of the matrices, the space of neural network grows. Also, size of dataset impacted the time needed for each step. The car data has less accuracy than the pen data, which may be caused by the smaller size of dataset.