**Deep Learning (Homework #2)  
學號:0553415 姓名:陳郁夫**

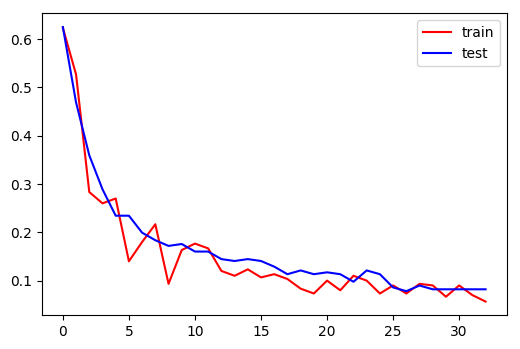
**1.**

### (a)

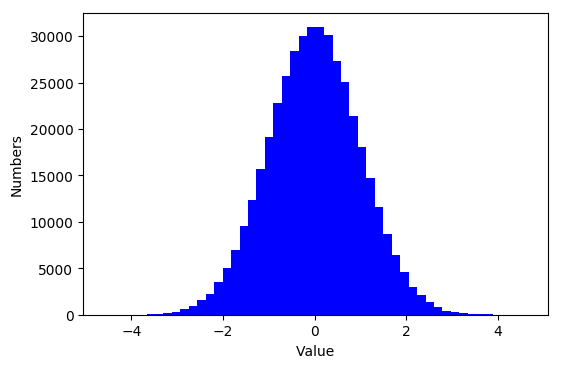
Iter 198000, Minibatch Loss= 20.289112, Training Accuracy= 0.94333

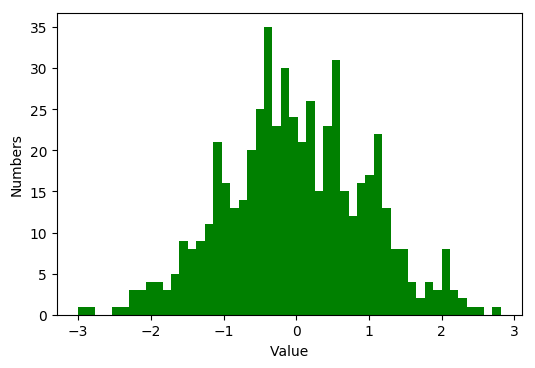
Optimization Finished!

Testing Accuracy: 0.917969

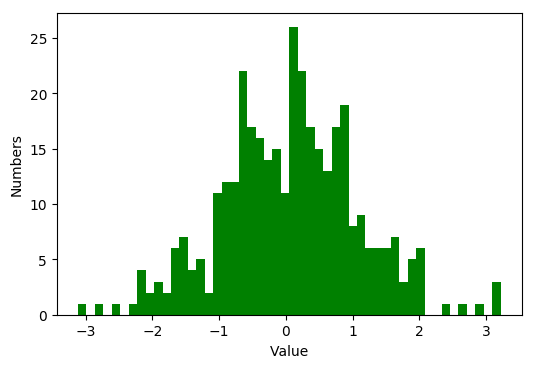
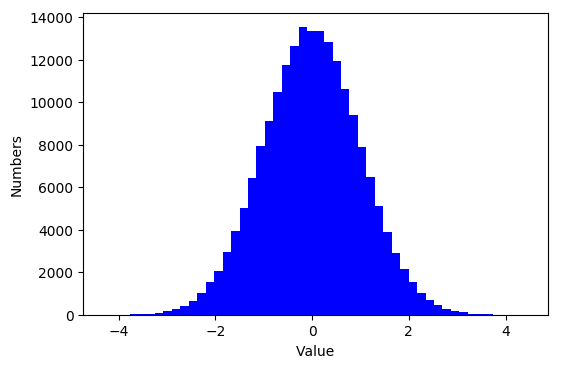


h1

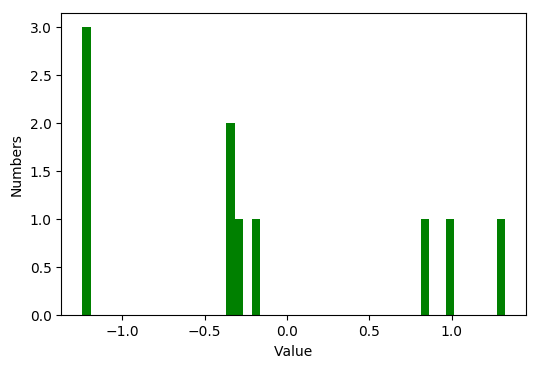
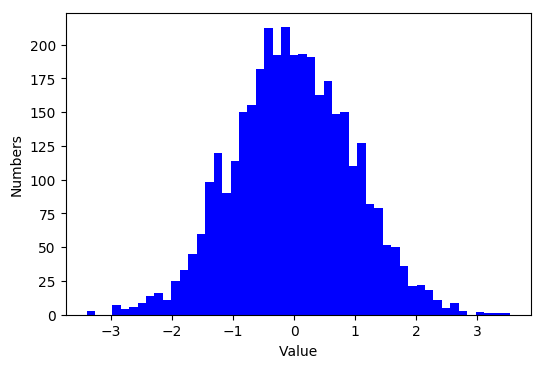




H2



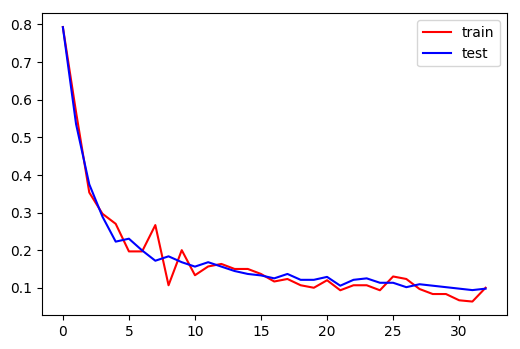
out



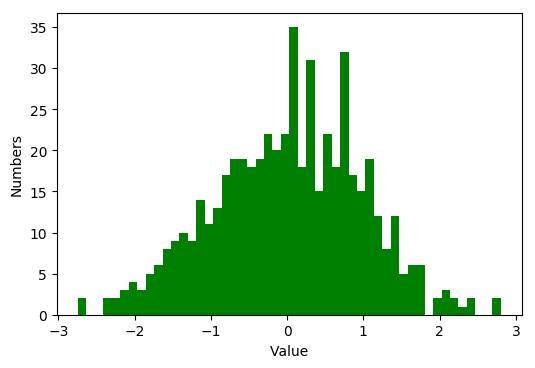
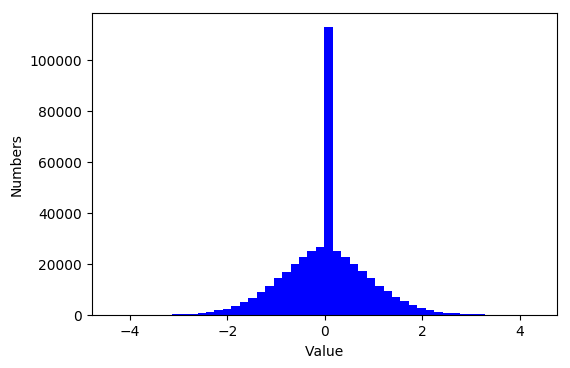
### (b) L1

Optimization Finished!

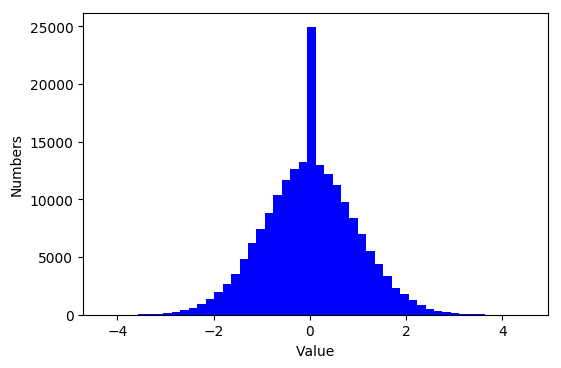
Training Accuracy= 0.93000

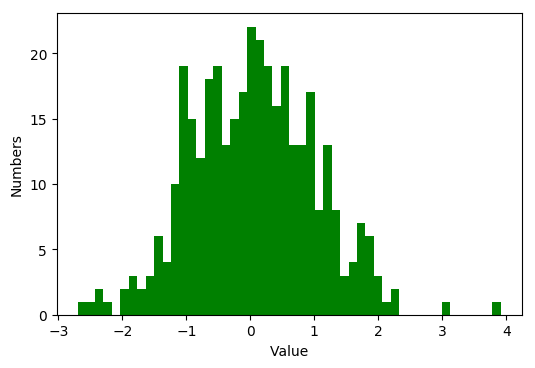
Testing Accuracy: 0.90625

H1

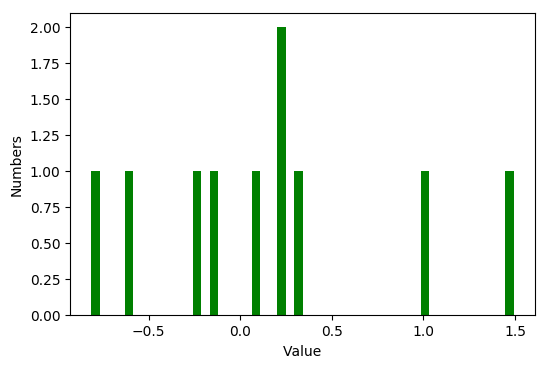
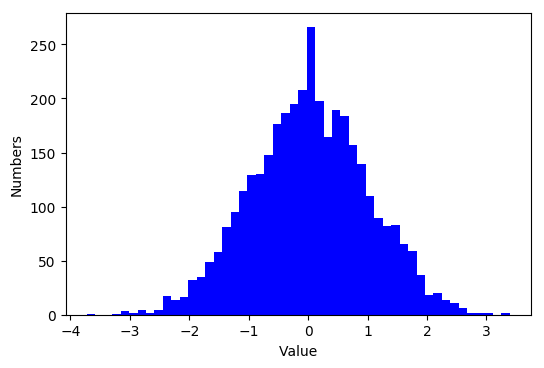


H2





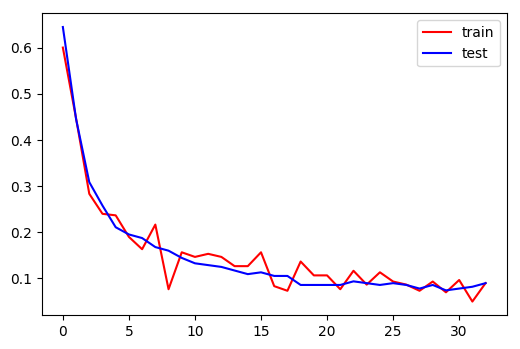
out



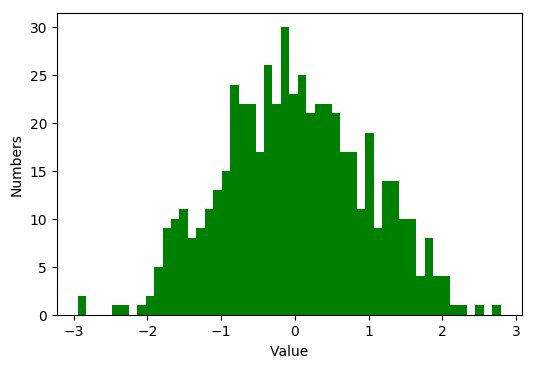
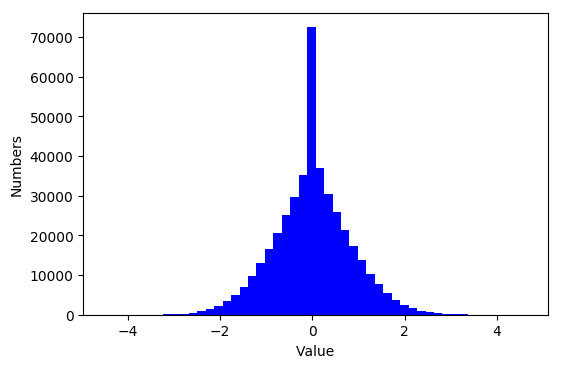
### (c)L2

Training Accuracy= 0.91000

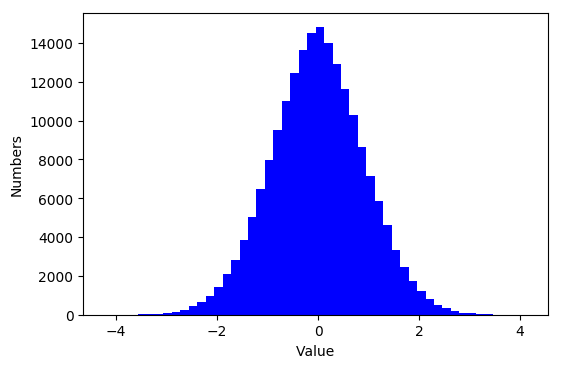
Testing Accuracy: 0.925781

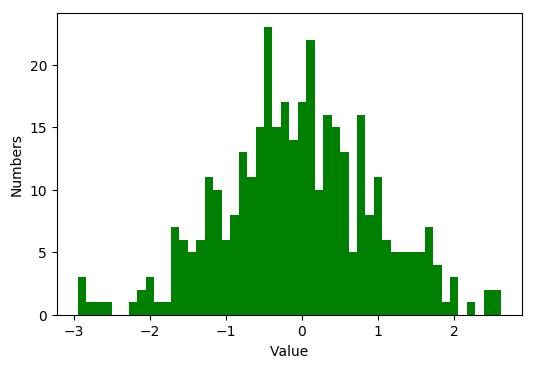


h1

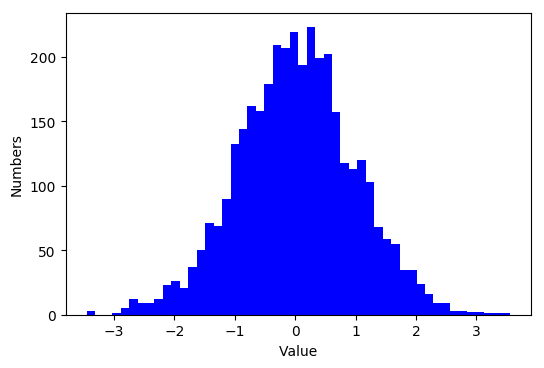


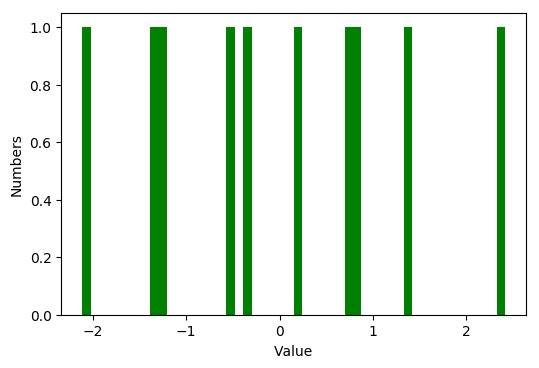
H2





Out

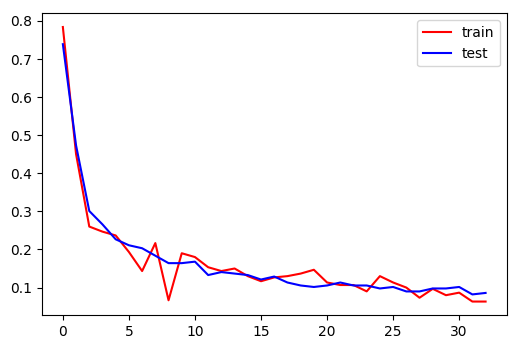




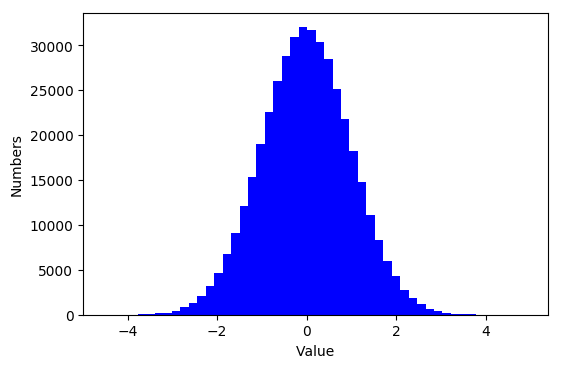
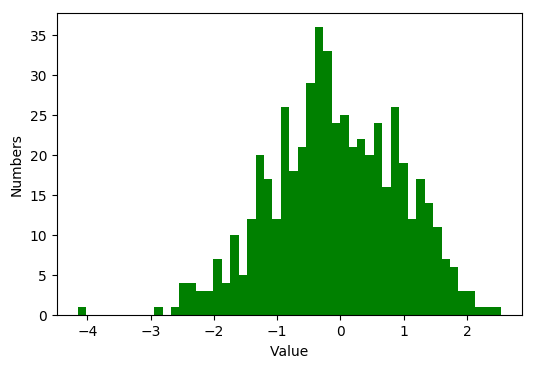
### (d) Dropout

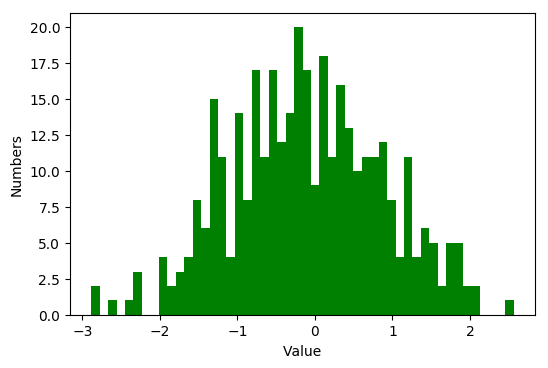
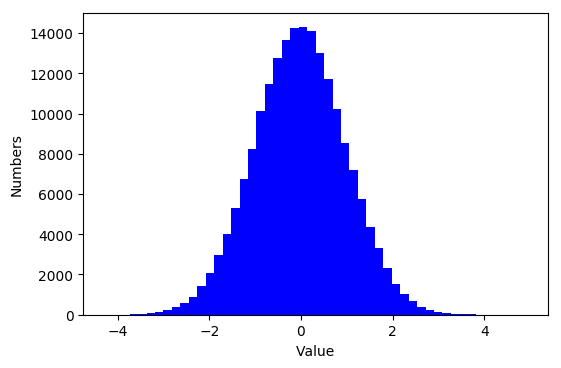
Training Accuracy= 0.89667

Testing Accuracy: 0.914063



h1



h2  


Out

