drop:

probability = 0.7

2018-07-17T12:03:46.981990: step 100, loss 0.0537672, acc 1

2018-07-17T12:04:03.931174: step 200, loss 0.526617, acc 0.6

probablity=0.4

2018-07-17T12:06:06.827392: step 100, loss 3.29929, acc 0.6

2018-07-17T12:06:24.260322: step 200, loss 1.54701, acc 0.6

probability=0.1

2018-07-17T12:07:59.068078: step 100, loss 4.83405, acc 0.6

2018-07-17T12:08:16.617260: step 200, loss 7.52809, acc 0.2

**When we decrease the probability the loss in increasing and accuracy is decreasing**

batch\_size=16

2018-07-17T12:10:42.395186: step 100, loss 1.52767, acc 0.6

2018-07-17T12:10:48.768882: step 200, loss 2.88145, acc 0.6

2018-07-17T12:10:56.797107: step 300, loss 4.8518, acc 0.2

2018-07-17T12:11:05.999187: step 400, loss 4.94765, acc 0.4

2018-07-17T12:11:12.824429: step 500, loss 0.379246, acc 0.8

2018-07-17T12:11:20.175266: step 600, loss 2.04961, acc 0.6

batch\_size=64

2018-07-17T12:13:51.906625: step 100, loss 2.91542, acc 0.4

2018-07-17T12:14:08.196198: step 200, loss 2.98795, acc 0.4

batch\_size = 128(more time taken to execute 200 steps but accuracy is increased)

2018-07-17T12:15:15.711061: step 100, loss 2.34789, acc 0.6

2018-07-17T12:15:34.599265: step 200, loss 0.70136, acc 0.8

**when we increase the batch size the loss is decreasing and accuracy is increasing**

epochs=100

2018-07-17T12:17:45.202113: step 100, loss 0.286217, acc 0.8

epochs=200

2018-07-17T12:18:36.455965: step 100, loss 1.02229, acc 0.6

2018-07-17T12:18:55.269613: step 200, loss 1.10931, acc 0.4

epochs=400

2018-07-17T12:19:58.917543: step 100, loss 1.02888, acc 0.8

2018-07-17T12:20:19.212173: step 200, loss 0.0745259, acc 1

2018-07-17T12:20:37.903648: step 300, loss 1.8632, acc 0.4

2018-07-17T12:20:56.137566: step 400, loss 1.88486, acc 0.4

epochs=800

2018-07-17T12:23:35.892219: step 100, loss 2.64484, acc 0.4

2018-07-17T12:23:55.394959: step 200, loss 2.26213, acc 0.6

2018-07-17T12:24:16.177854: step 300, loss 1.56871, acc 0.6

2018-07-17T12:24:36.103529: step 400, loss 3.02588, acc 0.2

2018-07-17T12:24:54.418548: step 500, loss 1.72, acc 0.6  
2018-07-17T12:25:11.676219: step 600, loss 1.8468, acc 0.4

2018-07-17T12:25:28.829417: step 700, loss 2.19664, acc 0.2

2018-07-17T12:25:46.343240: step 800, loss 4.26904, acc 0.4

**when we increase the ephocs the loss is increasing and accuracy is decreasing**

