

## Assignment E

The original image:



a) Masked by lines



Figure 1 Masked by lines

Figure 2 Recovered by NN

Figure 3 Recovered by Bilinear



### b) Masked by Word



Figure 4 Masked by Words



Figure 5 Recovered by NN



Figure 6 Recovered by Bilinear

### c) Lose Some Data

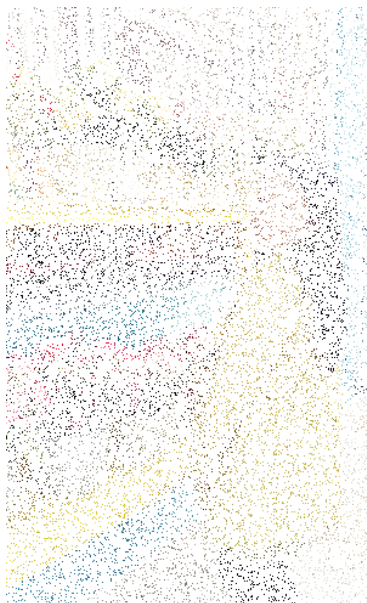


Figure 7 10% Loss



Figure 8 Recovered by NN



Figure 9 Recovered by Bilinear





Figure 10

20% Loss



Figure 11 Recovered by NN



Figure 12 Recovered by Bilinear



Figure 13

30% Loss



Figure 14 Recovered by NN



Figure 15 Recovered by Bilinear





Figure 16 40% Loss



Figure 17 Recovered by NN



Figure 18 Recovered by Bilinear



Figure 19 50% Loss



Figure 20 Recovered by NN



Figure 21 Recovered by Bilinear





Figure 22 70% Loss

Figure 23 Recovered by NN

Figure 24 Recovered by Bilinear



Figure 25 80% Loss

Figure 26 Recovered by NN

Figure 27 Recovered by Bilinear





Figure 28 85% Loss



Figure 29 Recovered by NN



Figure 30 Recovered by Bilinear



Figure 31 90% Loss



Figure 32 Recovered by NN



Figure 33 Recovered by Bilinear





Figure 34 95% Loss

Figure 35 Recovered by NN

Figure 36 Recovered by Bilinear

### ✧ Analysis:

From the result we can know that, Bilinear is better than NN on all the cases.

The Loss that NN can recover is about 80%, the loss that Bilinear can recover is about 70%.