

1 Ground Truth Images

Figure 1 displays the ground truth images for each k .

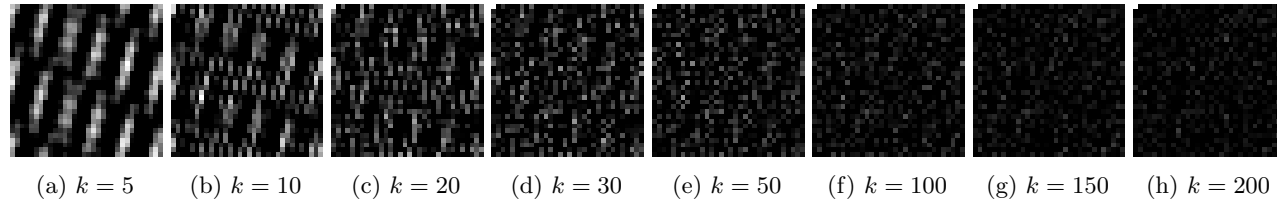
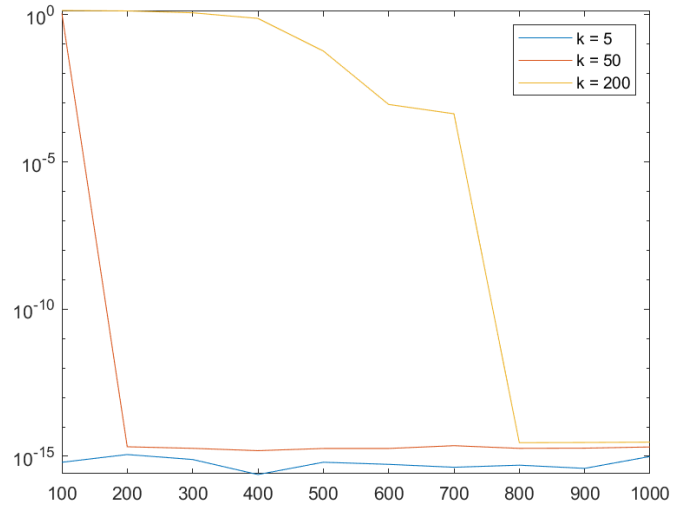


Figure 1: Original images

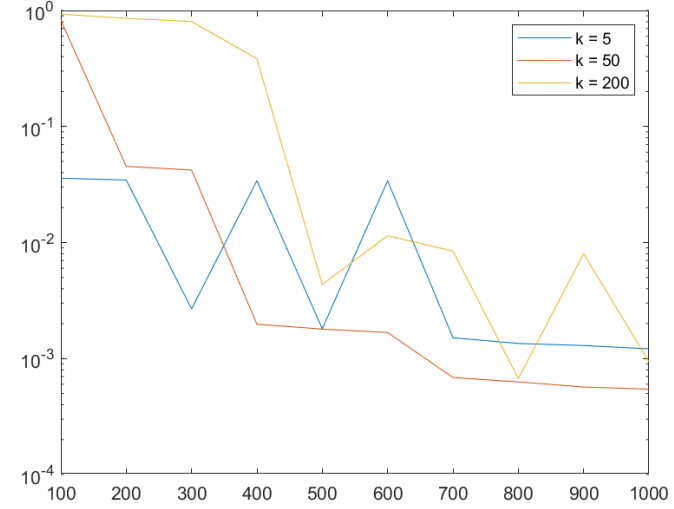
2 Reconstructed Images

OMP and IHT algorithms are implemented in the `code` directory and

2.1 Task 1



(a) OMP



(b) IHT

Figure 2: Comparison of OMP and IHT plots for variation with m for a fixed k

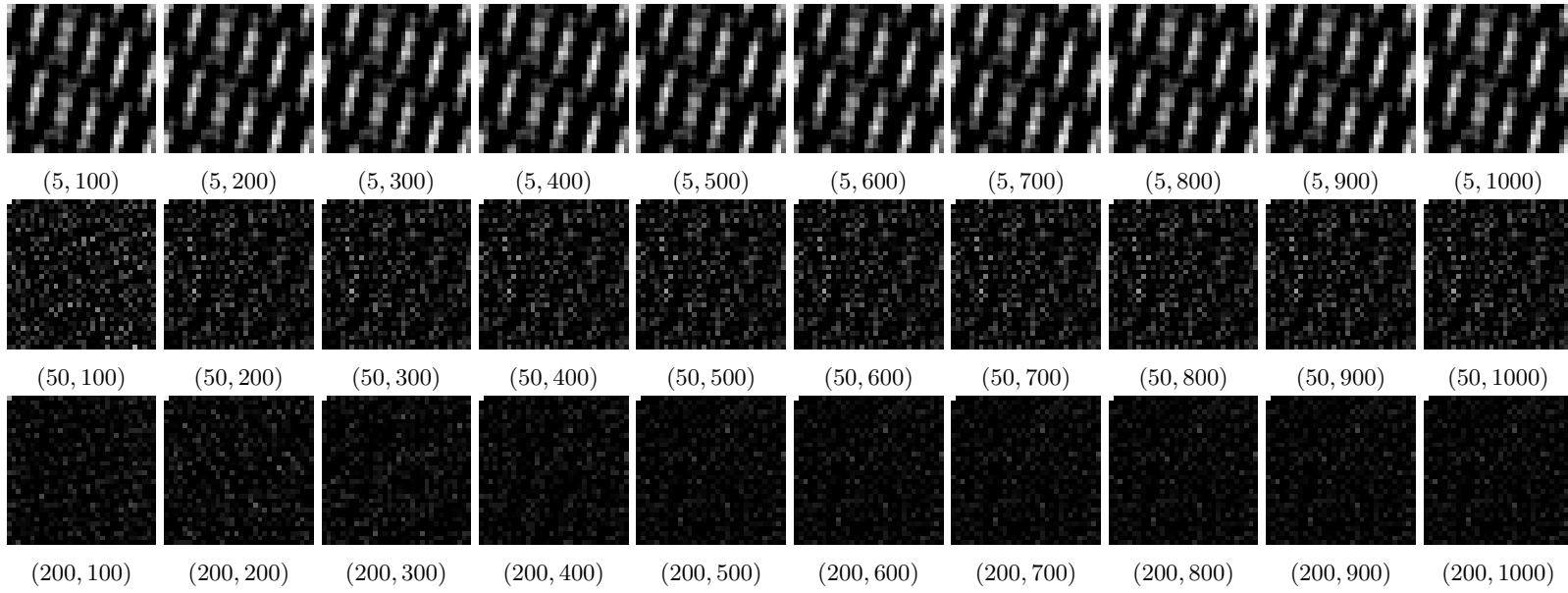


Figure 3: Each OMP image line is variation with m for a fixed k , caption format (k, m)

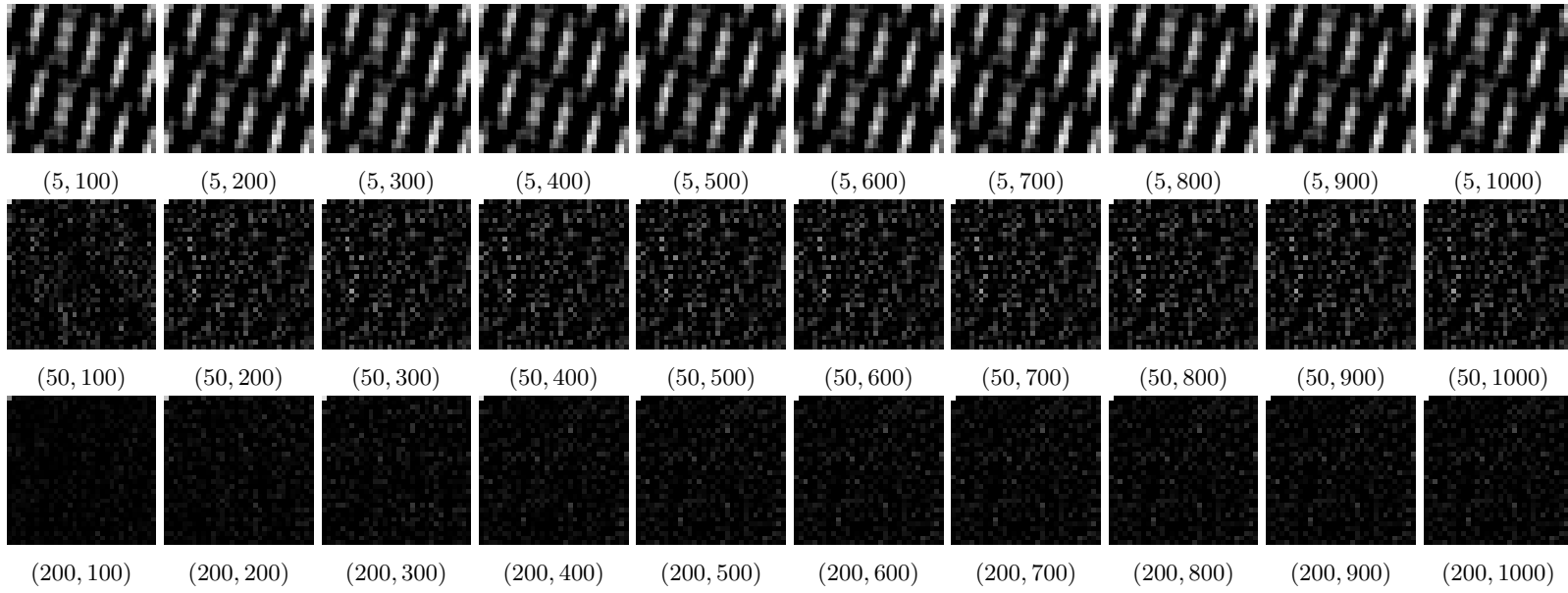
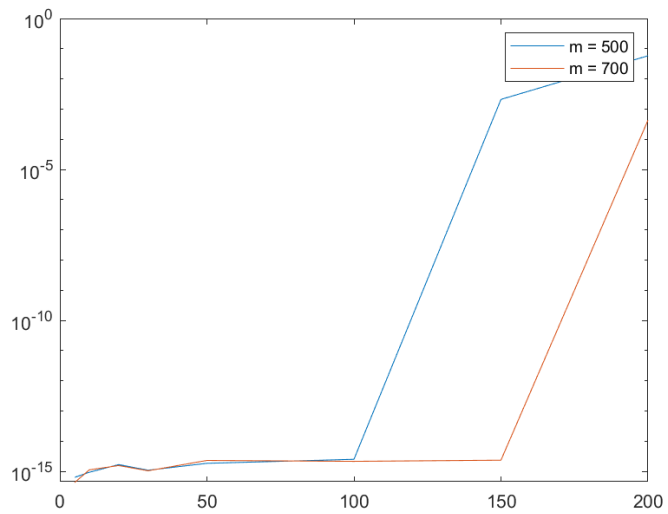
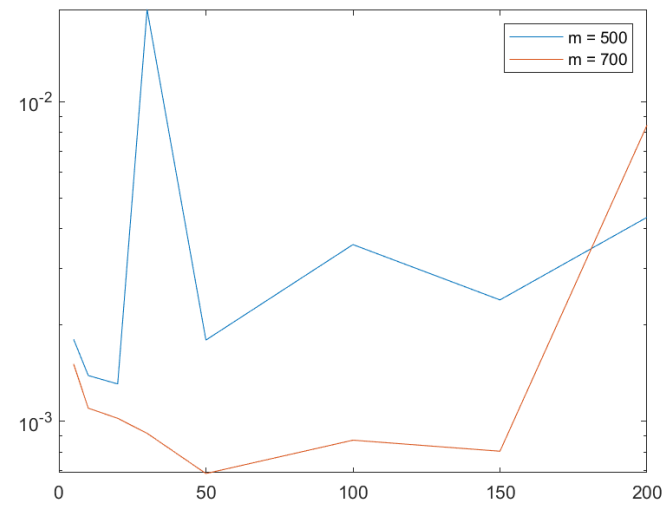


Figure 4: Each IHT image line is variation with m for a fixed k , caption format (k, m)

2.2 Task 2



(a) OMP



(b) IHT

Figure 5: Comparison of OMP and IHT plots for variation with k for a fixed m

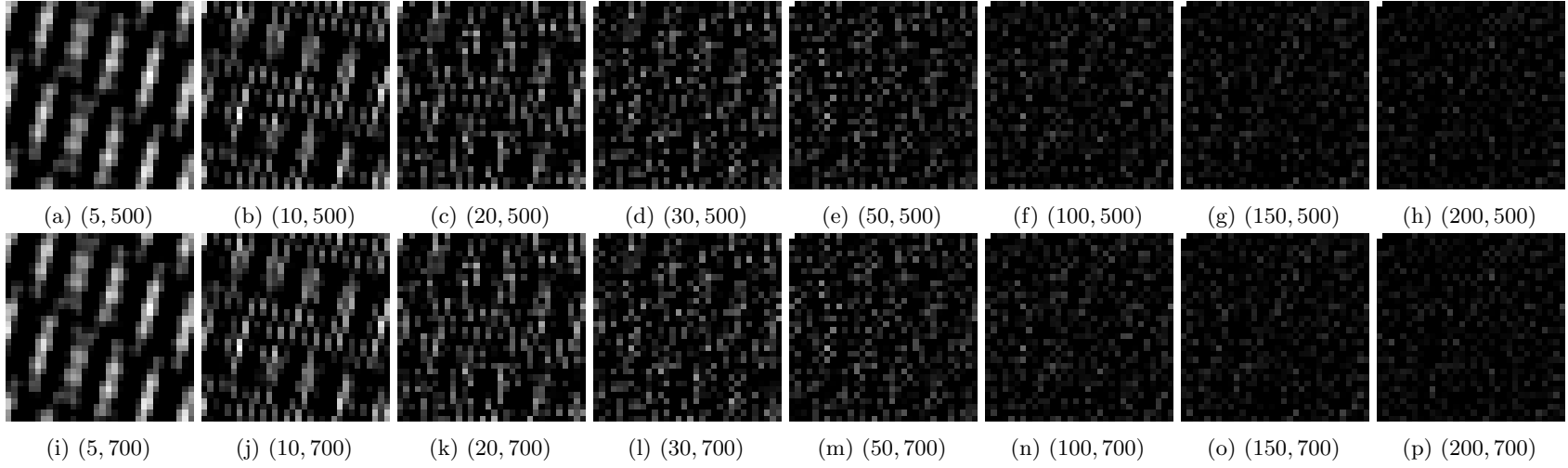


Figure 6: Each OMP image line is variation with k for a fixed m , caption format (k, m)

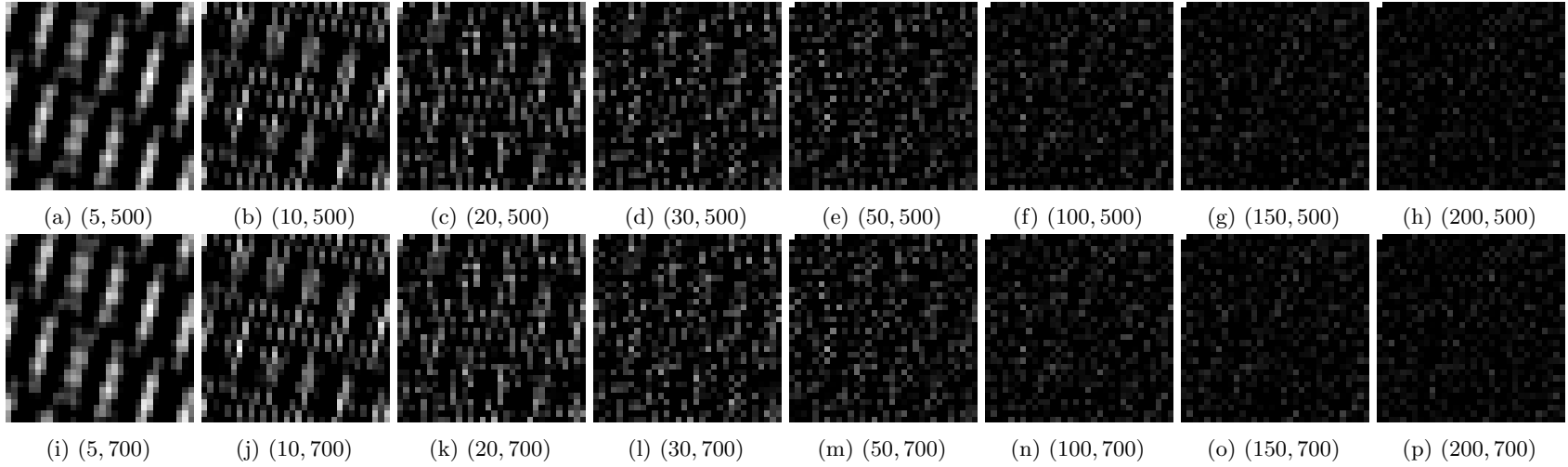


Figure 7: Each IHT image line is variation with k for a fixed m , caption format (k, m)