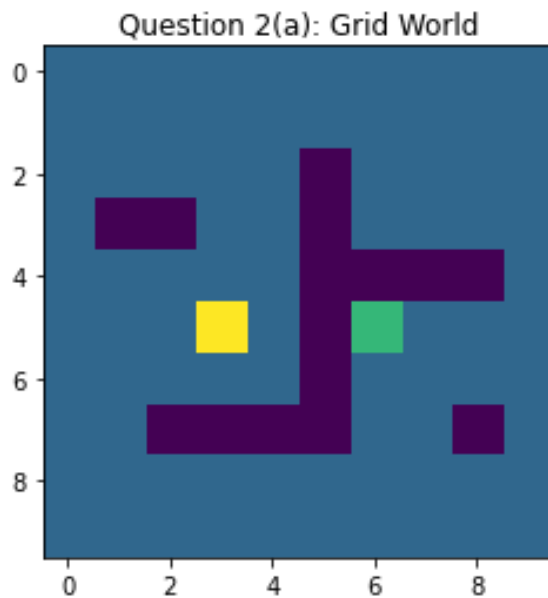
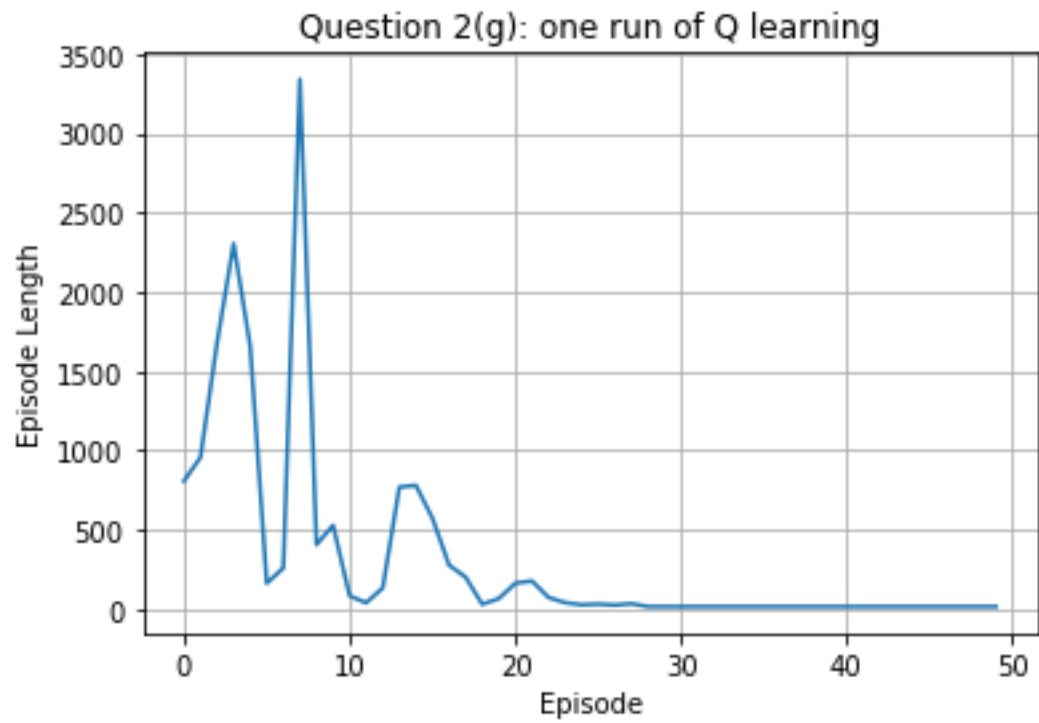


Assignment 3 – Figures

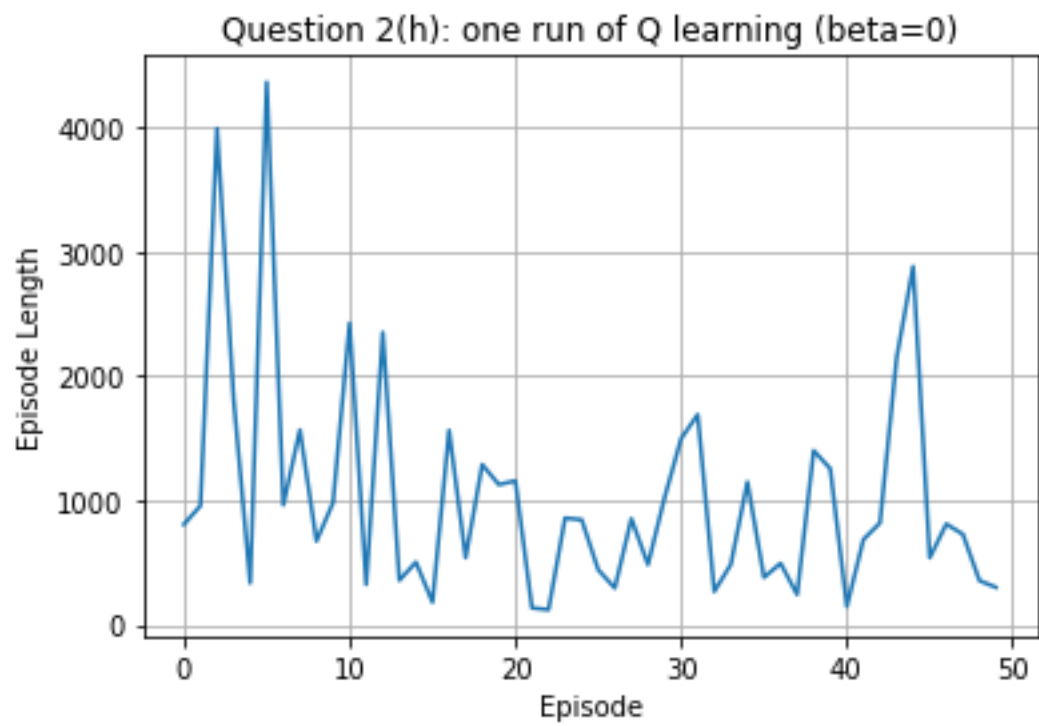
Part (g)



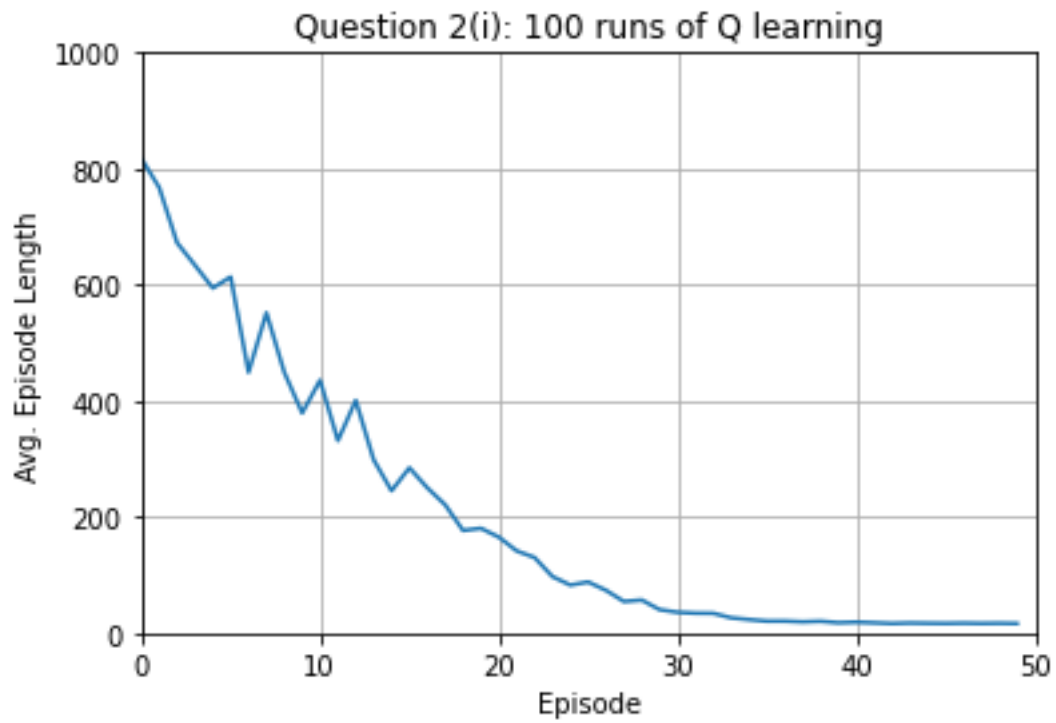
Part (g)



Part (h)



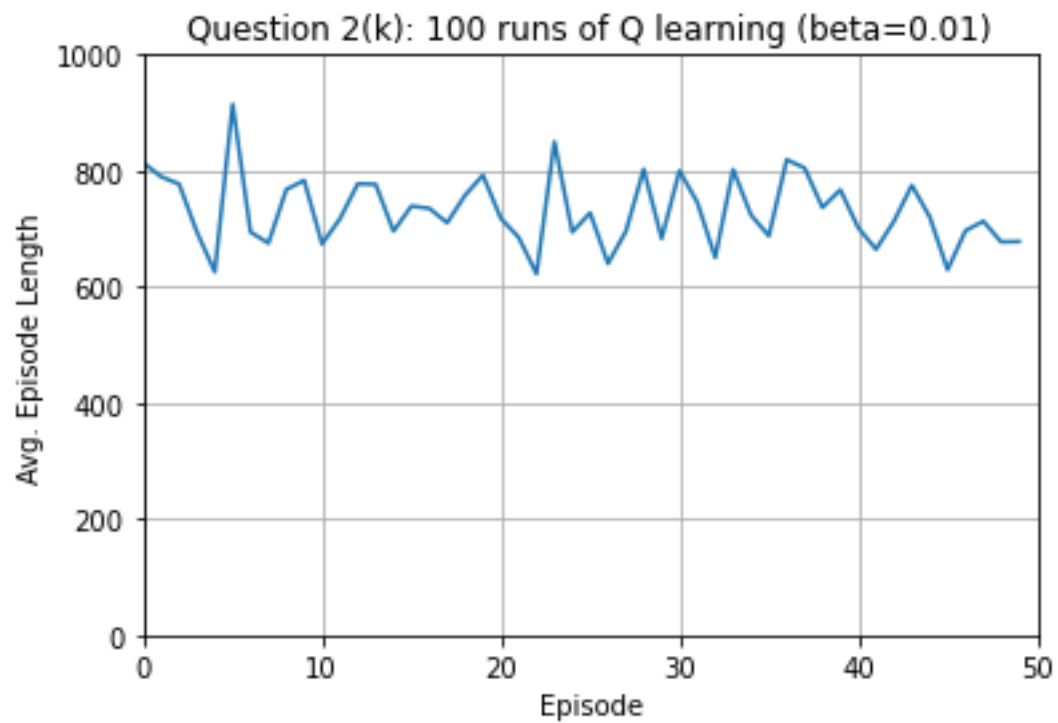
Part (i)



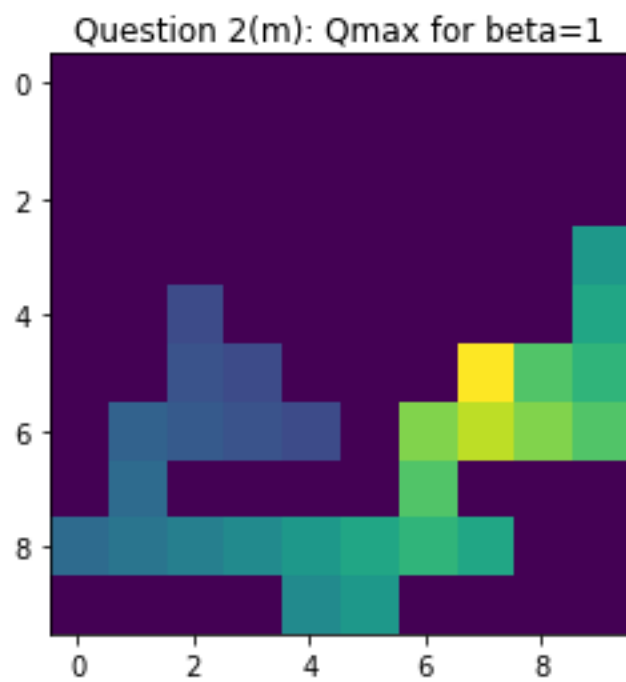
Part (j)



Part (k)

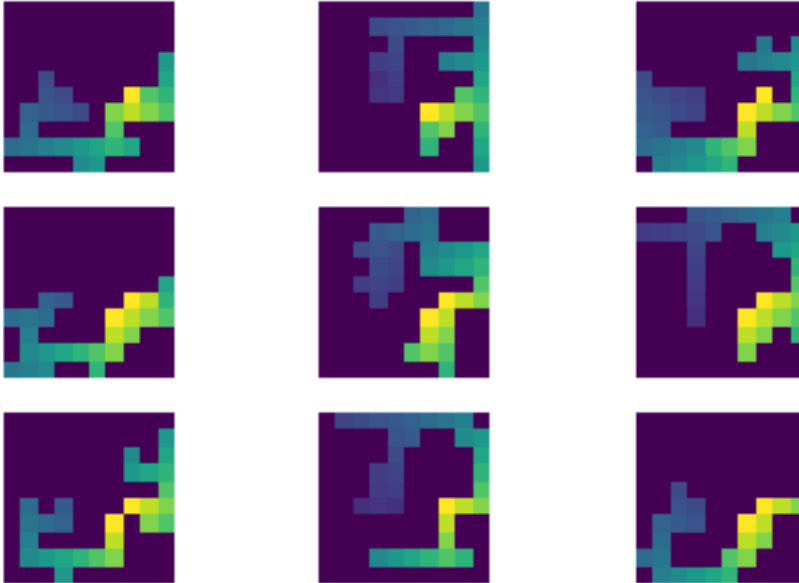


Part (m)



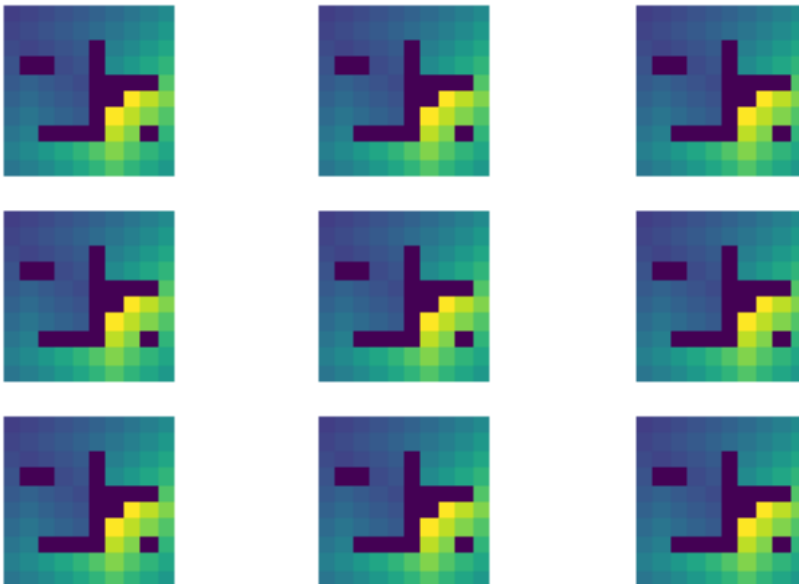
Part (o)

Question 2(o): Qmax for beta=1



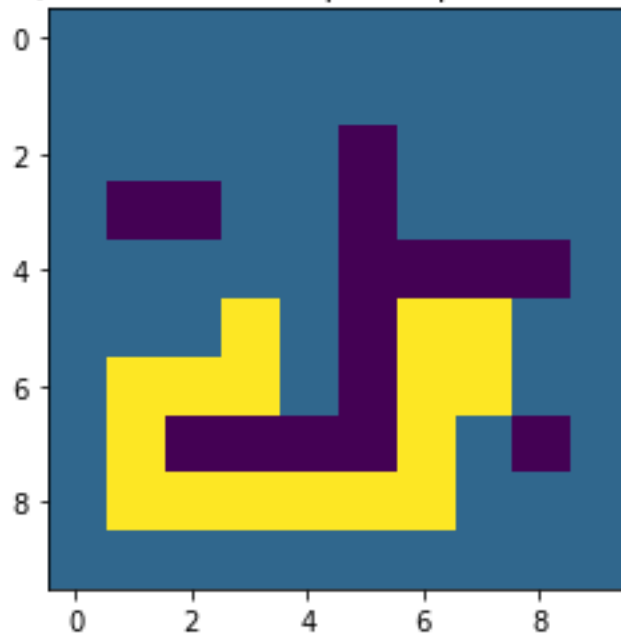
Part (p)

Question 2(p): Qmax for beta=0



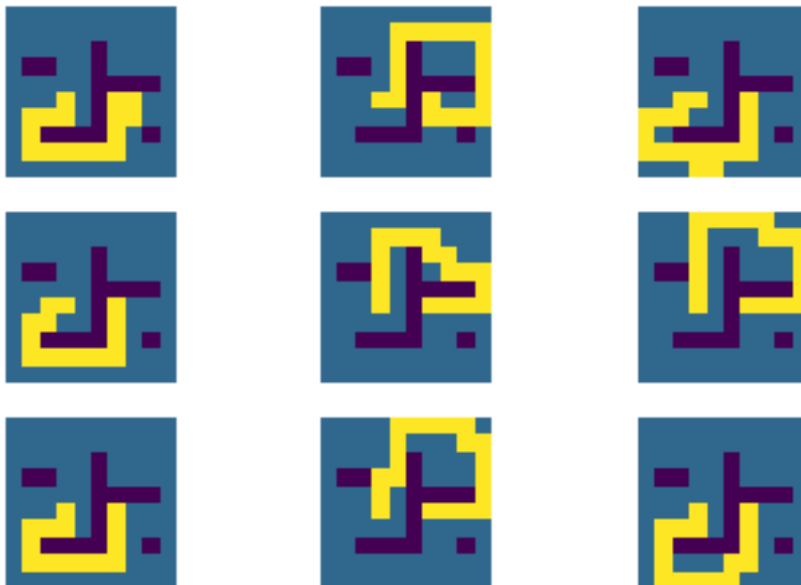
Part (r)

Question 2(r): an optimal path, beta=1



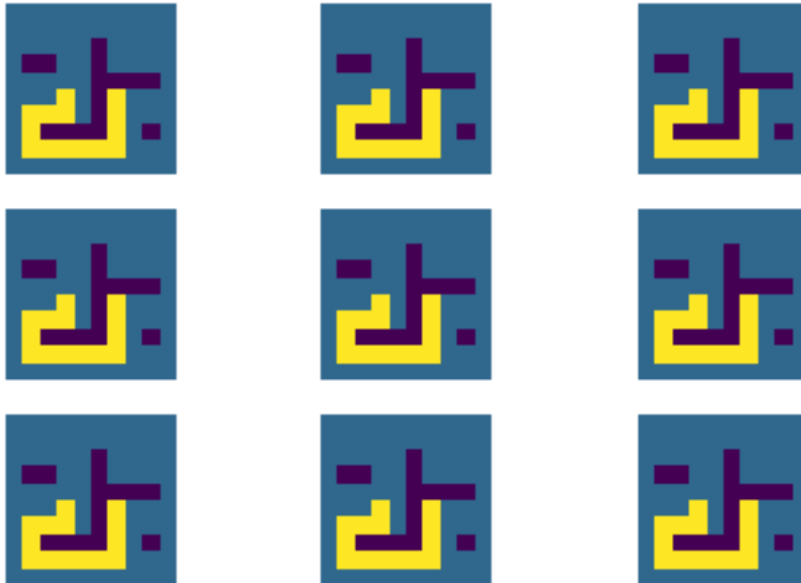
Part (s)

Question 2(s): optimal paths, beta=1



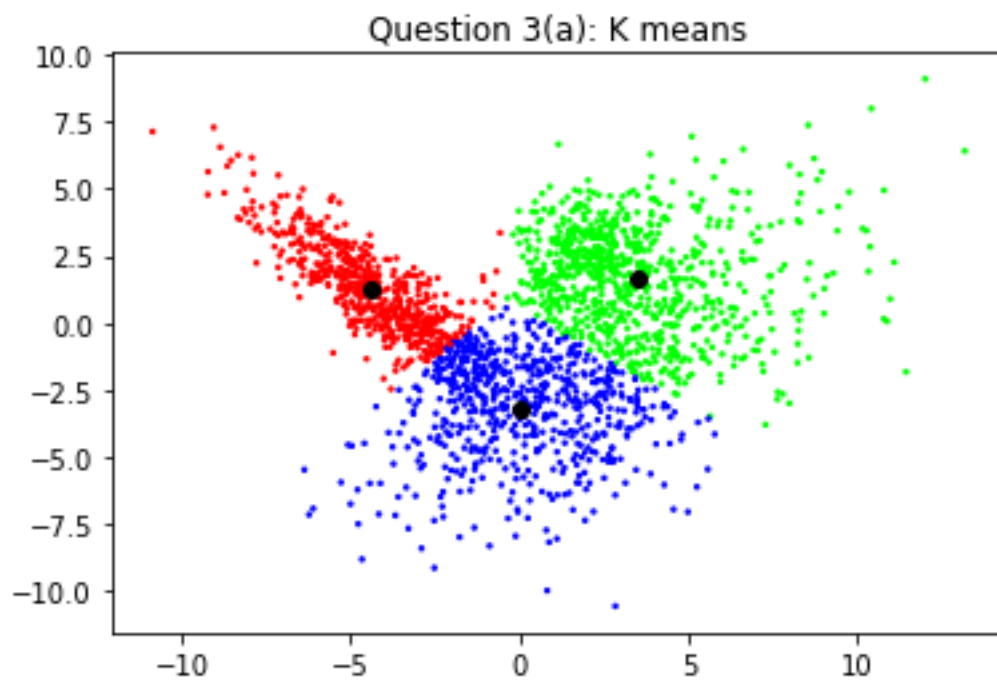
Part (t)

Question 2(t): optimal paths, beta=0

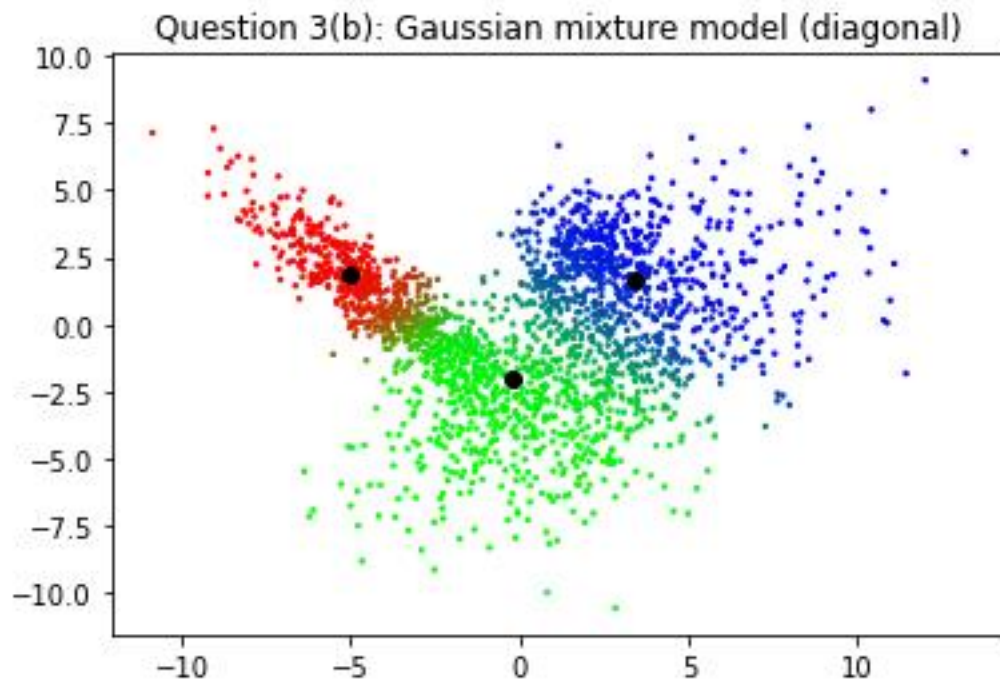


3. Clustering

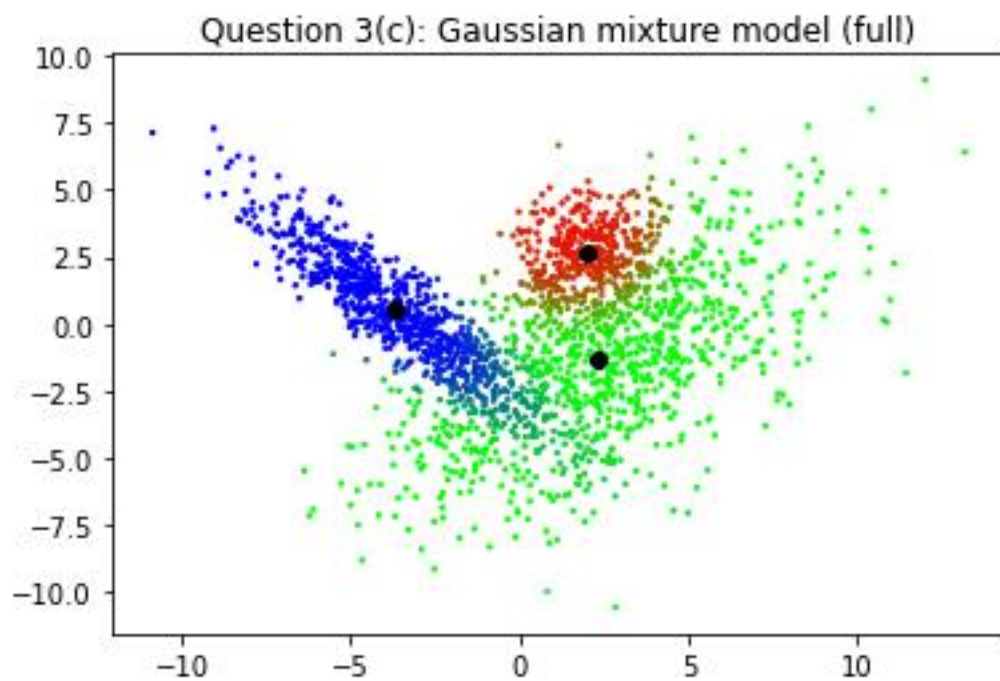
Part (a)



Part (b)

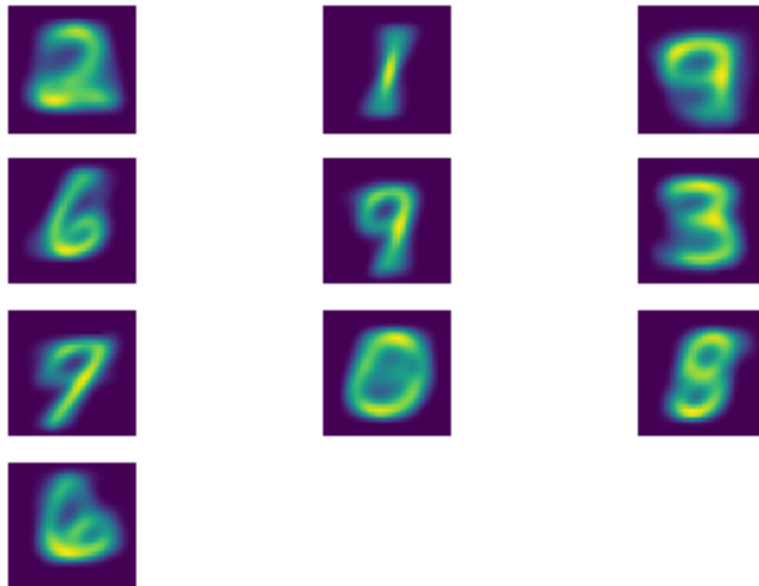


Part (c)



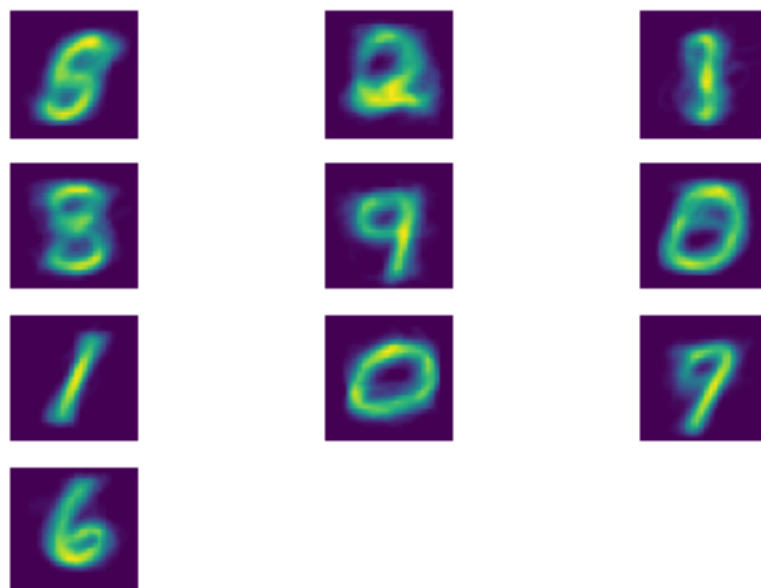
Part (h)

Question 3(h): mean vectors for 50,000 MNIST training points



Part (i)

Question 3(i): mean vectors for 500 MNIST training points



Part (j)

Question 3(j): mean vectors for 10 MNIST training points

