HW #4

- 1. In problem #1 in HW#3, show that the code has the minimum Hamming distance 4.
- 2. Find out all syndrome patterns in the above problem.
- 3. Determine the weight distribution of (8,4) linear code (mentioned in problem #1 in HW#3). Let the transition probability of a BSC be $p = 10^{-2}$. Compute the probability of an undetected error of this code.