Reading Assignment: Read Chapter 4

1. Exercise 4.1.1, p. 4-4. Express the answer in terms of the binary entropy function.

2. Exercise 4.1.2, p. 4-4.

3. Exercise 4.1.3, p. 4-5

4. Exercise 4.1.4, p. 4-6

5. Exercise 4.3.2, p. 4-13

6. Exercise 4.3.3 (a),(b), p. 4-13: Do the left inequality only.

7. Exercise 4.3.13 (a), p. 4-19

8. Exercise 4.3.9, p. 4-17

9. Exercise 4.3.11(d), p. 4-18

10. Exercise 4.3.12(a),(c), p. 4-19

11. Exercise 4.4.1, p. 4-20


Please write your solutions neatly and in the order given here.

When asked to prove something, you must use the proper words of justification. It is not sufficient simply to write formulas without the words that indicate the argument being used. Try to be as brief and precise as possible.