WORKSHEET FOR EXERCISES FROM CHAPTER 27

EXERCISE 27.1

1. In a short paragraph, describe the general nature of the problem that you would like translate into some form that could be presented to one of the networks that we have dealt with in this book.

2. If you were to build this training set, how many output units would you need?

3. What would each output unit in your network represent (i.e., what representation would you use to encode network outputs)?

4. If you were to build this training set, how many input units would you need?

5. What would each input unit represent? (i.e., describe your input encoding)

6. How many patterns would be in your training set?

7. In a short paragraph, answer the following question: If you were to build this training set, what architecture would you present it to, and why would you choose this architecture?