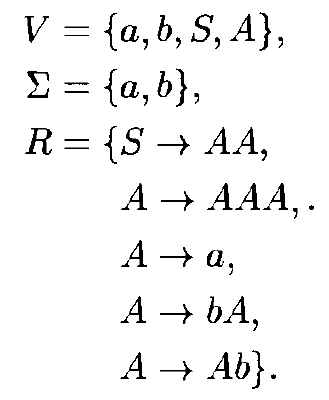
Homework – 5

1. Consider the grammar , where

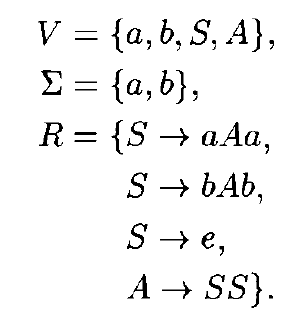


a). Give a string of that can be produced by applying the rules at most 4 times

b). Same string can be derived in different ways, e.g., , . Give at least 2 distinct derivations for the string

c). For any , describe a derivation in of the string

1. Consider the grammar , where



Give a derivation of the string in .

1. Show that the following languages are context-free by exhibiting contextfree grammars generating each.

a).

b).