Q7.1.3 .   S → 0A0 | 1B1 | BB

       A → C

       B → S|A

       C → S|ε

a)   S → 0A0 |00 | 1B1/ 11/BB/B

   A → C

   B → S|A

   C → S

a)   S → 0A0 |00 | 1B1/11/BB

   A → 0A0 |00 |1B1 |11|BB

   B → 0A0 |00| 1B1/ 11/BB

   C → 0A0 |00|1B1/ 11/BB

c)   S → 0A0|00 | 1B1/ 11/BB

   A → 0A0 |00|1B1|11|BB

   C → 0A0|00 |1B1/ 11/BB

d)   zero → 0

   one → 1

   S → zero X | one Y | zero zero | one one| BB

   A → zero X| one Y | zero zero | one one |BB

   B → zero X | one Y | zero zero | one one |BB

   X → A zero

   Y → B one

Q 7.1.4

$S \rightarrow AAA | B$

$A \rightarrow aA | B$

$B \rightarrow \varepsilon$

a) $S \rightarrow AAA$

$A \rightarrow aA | B$

$B \rightarrow$

b) $S \rightarrow AAA$

$A \rightarrow aA$

$B \rightarrow$

c) $S \rightarrow AAA$

$A \rightarrow aA$

d) $X \rightarrow a$

$Y \rightarrow AA$

$S \rightarrow AY$

$A \rightarrow XA$