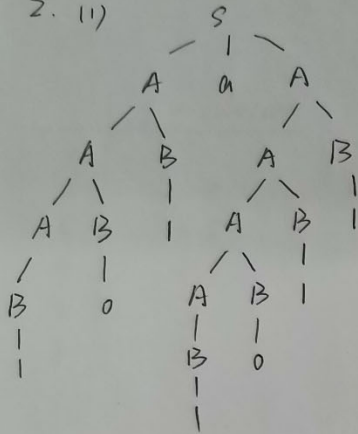


第2次 第=第作业.

1. 产生的语言集合为有限.

2. (1)



12) $S \Rightarrow AaA$

$\Rightarrow AaAB$

$\Rightarrow AaA1$

$\Rightarrow AaAB1$

$\Rightarrow AaA11$

$\Rightarrow AaAB11$

$\Rightarrow AaA011$

$\Rightarrow AaB011$

$\Rightarrow Aa1011$

$\Rightarrow ABa1011$

$\Rightarrow A1a1011$

$\Rightarrow AB1a1011$

$\Rightarrow A01a1011$

$\Rightarrow B01a1011$

$\Rightarrow 101a1011$

句柄

AaA

AB

1

AB

1

AB

0

B

1

AB

1

AB

0

B

1

(3)

短语:

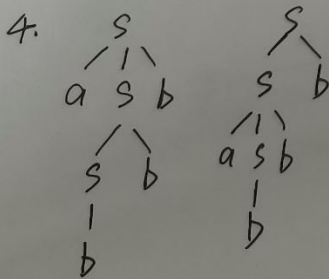
0, 1, 10, 101,

1011, 10101011

直接短语:

0, 1

3. $S \rightarrow 0S0 \mid 1S1 \mid 0 \mid 1 \mid \varepsilon$



存在句abbbb有不唯一的语法树

5. (1) $S \rightarrow aSb \mid aS \mid \varepsilon$

(2)

$S \rightarrow aSb$

$S \rightarrow B$

$B \rightarrow bB \mid \varepsilon$

(答案不唯一)