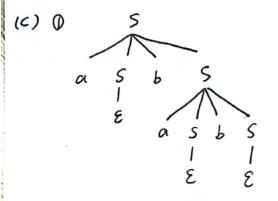
1户业2

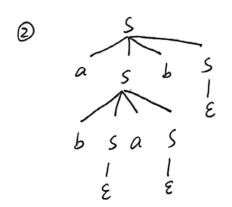
3.2 5 -> asb\$ | bsas | &

(a) OS = as bs = abs = ab as bs = ab abs = ab abs

Q 5 = asbs = absasbs = abasbs = ababs = ababs = ababs

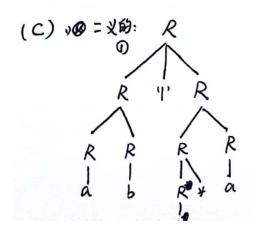
(b) 5 ⇒rm asbs ≥rm asbasbs ⇒rm asbasb ⇒rm asbab ⇒rm asbab

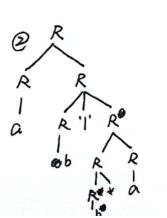


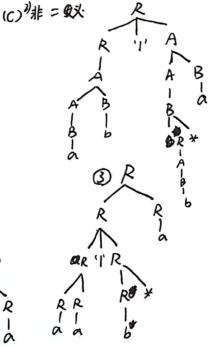


(d) 表示由 a 和 b 狙战的 所有串 的集合,包括空串

3.4 (b) $R \rightarrow R'I'A|A$ $A \rightarrow AB|B$ $B \rightarrow R^*|(R)|a|b$







3.6

- a) a R → abR | bR | E
 或注语言 L(R) 是正规的, 其正现式为: (ab 1 b*)*
- (b) R。→ a R b R 1 b R a R 1 E 语言 L(R) of r 即是正规的.

3.8 (a) \emptyset $S \rightarrow (L) | a$ $L \rightarrow L$, $S \mid S$

 $\begin{array}{ccc} \mathfrak{A}: & S \to (L)|a \\ & L \to S^{\bullet}L' \boxtimes^{\bullet} \\ & L' \to SL'|E \end{array}$