(b)
$$S' \rightarrow \{S. \text{ start} = 0\}S$$

 $S \rightarrow \{S. \text{ end} = S. \text{ start} + 1\} \text{ a } \{\text{print}(S \text{ end})\}$
 $L \rightarrow \{L, . \text{ start} = L. \text{ start}\} L_1, \{S. \text{ start} = L. \text{ out} + 1\} S \{L. \text{ end} = S. \text{ end}\}$
 $S \rightarrow \{L. \text{ start} = S. \text{ start} + 1\} (L) \{S. \text{ end} = L. \text{ end} + 1\}$

L= {S. Start = L. Start } S { L. end = S. end }.