

Formal Languages, Chapter 19

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2. I guess they mean where $k = 1$?

(a) $LA_1(S) = \{a, b\}$
 $LA_1(A) = \{a, c\}$
 $LA_1(B) = \{b, c, a\}$

(b) $LA_1(S) = \{a, b\}$
 $LA_1(A) = \{a, b\}$

(c) $LA_1(S) = \{a\}$
 $LA_1(A) = \{a, b, \lambda\}$
 $LA_1(B) = \{b, \lambda\}$

(d) $LA_1(S) = \{a\}$
 $LA_1(A) = \{a, c, b\}$
 $LA_1(B) = \{b\}$