

**procedure** GoTo(  $I, X$  ) where

$I$  is an item set of grammar  $G$ , and  $X \in N \cup \Sigma_\$$

(a symbol of the grammar  $G$  or \$)

GoTo returns an item set generated by the items in

$I$  progressed past  $X$ , the result may be the same as  $I$

let  $K = \{k \in I \mid X \text{ is to the right of } \bullet \text{ in } k\}$

let  $K' = \{k \in K \mid \text{with } \bullet \text{ progressed past } X\}$

**return** Closure(  $K'$  )