## **procedure** GoTo(I, X) where I is an item set of grammar G, and $X \in N \bigcup \Sigma_{\$}$ (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')