Table 5: Example: The Calculator Grammar and its goto table

Item	**Production**	**Actions**
I_{12}	$F \rightarrow (E.)$ $E \rightarrow E.AT$ $A \rightarrow .+$ $A \rightarrow .-$	Apply Goto (I_4, .E) Apply closure on A
I_{13}	$E \rightarrow T.$	Apply Goto (I_4, T) = I_2
I_{14}	$T \rightarrow F.$	Apply Goto (I_4, F) = I_3
I_{15}	$F \rightarrow (.E)$	Apply Goto (I_4, ( ) = I_4
I_{16}	$F \rightarrow o_p.$	Apply Goto (I_4, ( ) = I_5
I_{17}	$E \rightarrow EAT.$ $T \rightarrow T.MF$ $M \rightarrow *$ $M \rightarrow /$	GOTO (I_6, T) Closure on M
I_{18}	$T \rightarrow F.$	GOTO (I_6, F) = I_3
I_{19}	$F \rightarrow (.E)$	GOTO (I_6, ( ) = I_4
I_{20}	$F \rightarrow o_p.$	GOTO (I_6, o_p) = I_5
I_{21}	$T \rightarrow TMF.$	GOTO (I_9, F)
I_{22}	$F = (.E)$	Apply GOTO (I_9, ( ) = I_4
I_{23}	$F \rightarrow o_p.$	Apply GOTO (I_9, o_p) = I_5
I_{24}	$F \rightarrow (E).$	GOTO (I_{12},))
I_{25}	$E \rightarrow EA.T.$	GOTO (I_{12}, A) = I_6
I_{26}	$A \rightarrow +..$	GOTO (I_{12}, +) = I_7
I_{27}	$A \rightarrow +..$	GOTO (I_{12}, +) = I_8
I_{28}	$T \rightarrow TM.F$	GOTO (I_{17}, M) = I_9
I_{29}	$T \rightarrow TM.F$	GOTO (I_{17}, *) = I_{10}
I_{30}	$T \rightarrow TM.F$	GOTO (I_{17}, /) = I_{11}