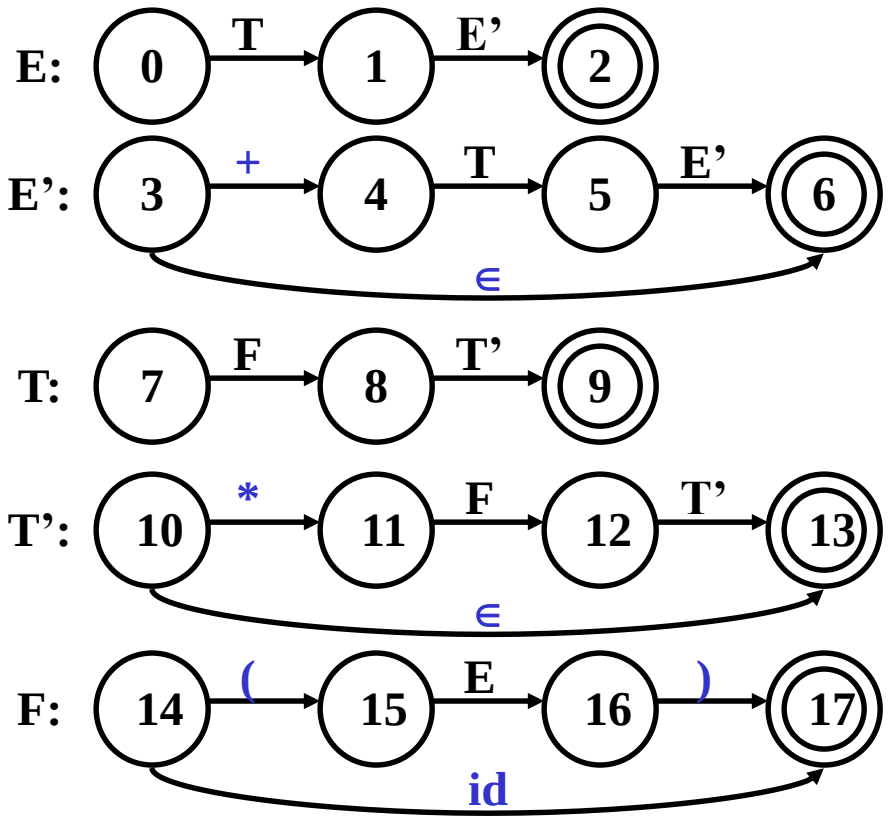
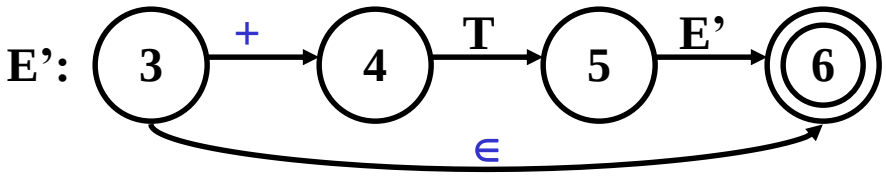
Transition Diagrams

- **Unlike lexical equivalents, each edge represents a token**
- **Transition implies: if token, match input else <u>call proc</u>**

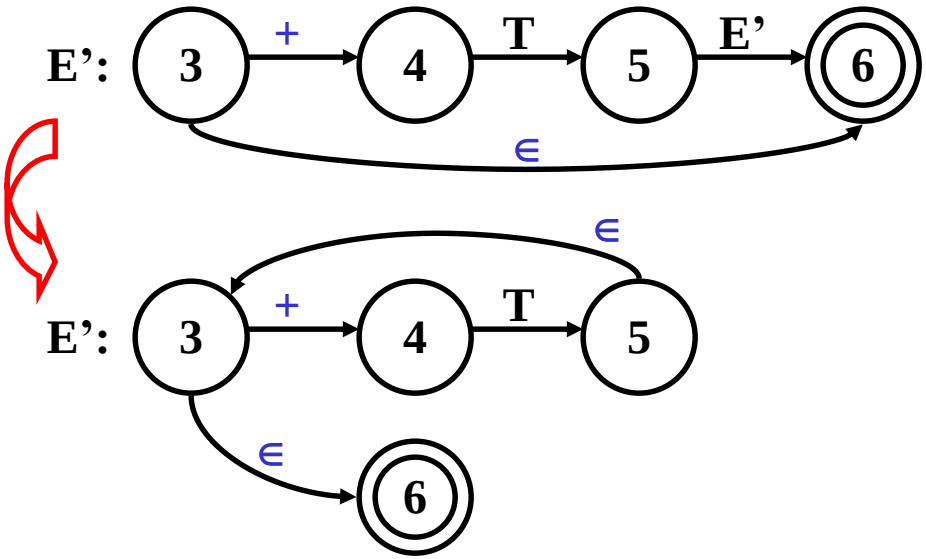
$E \rightarrow TE'$	$T \rightarrow FT'$	$F \rightarrow$ (E) | id
$E' \rightarrow +\ TE' \mid \in$	$T' \rightarrow *\ FT' \mid \in$	



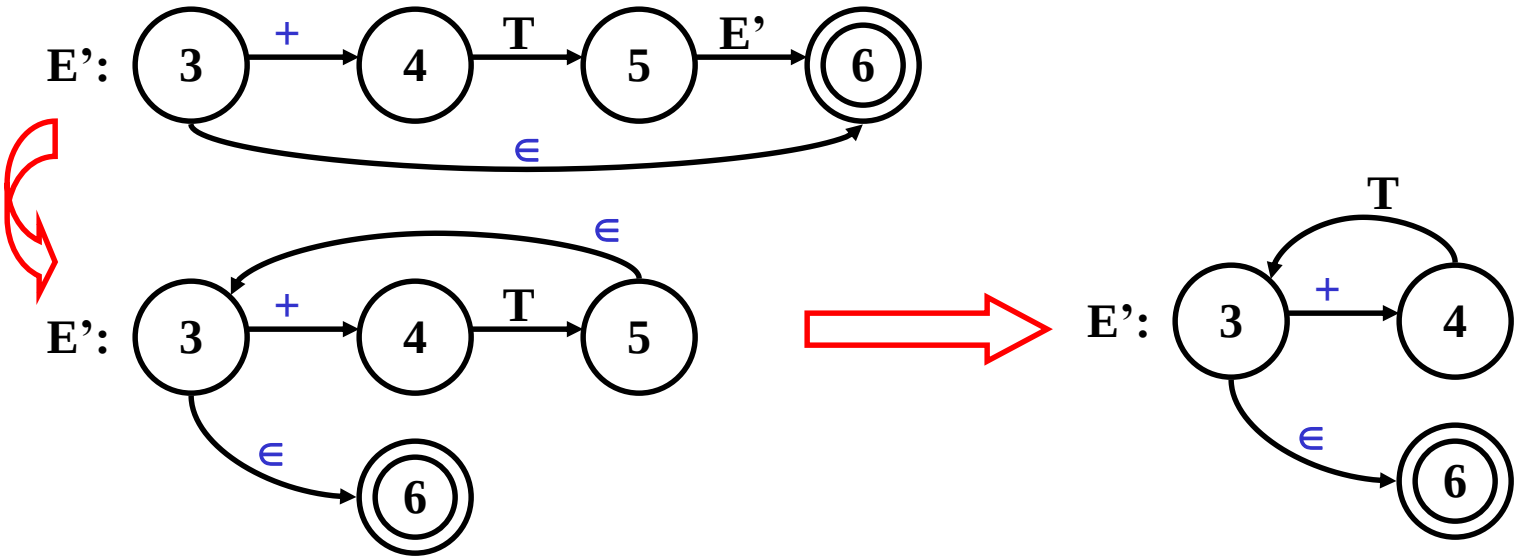
How can Transition Diagrams be Simplified ?



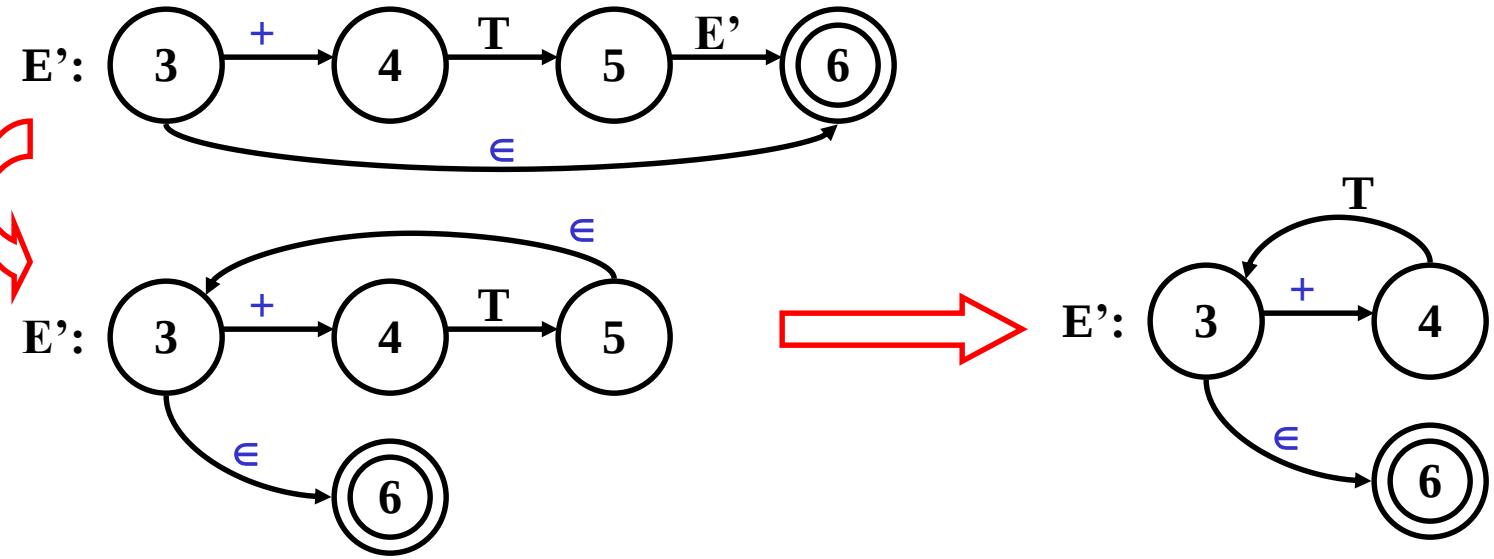
How can Transition Diagrams be Simplified ? (2)

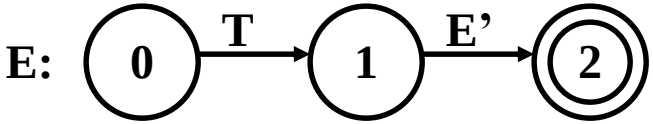


How can Transition Diagrams be Simplified ? (3)

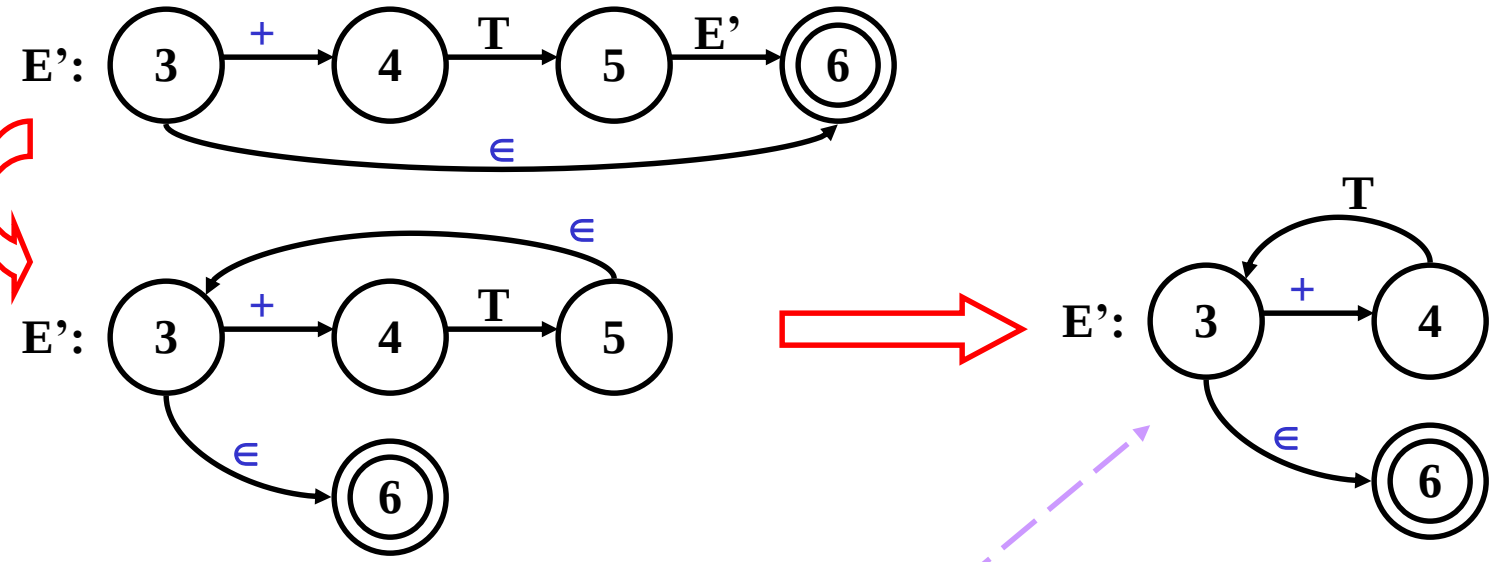


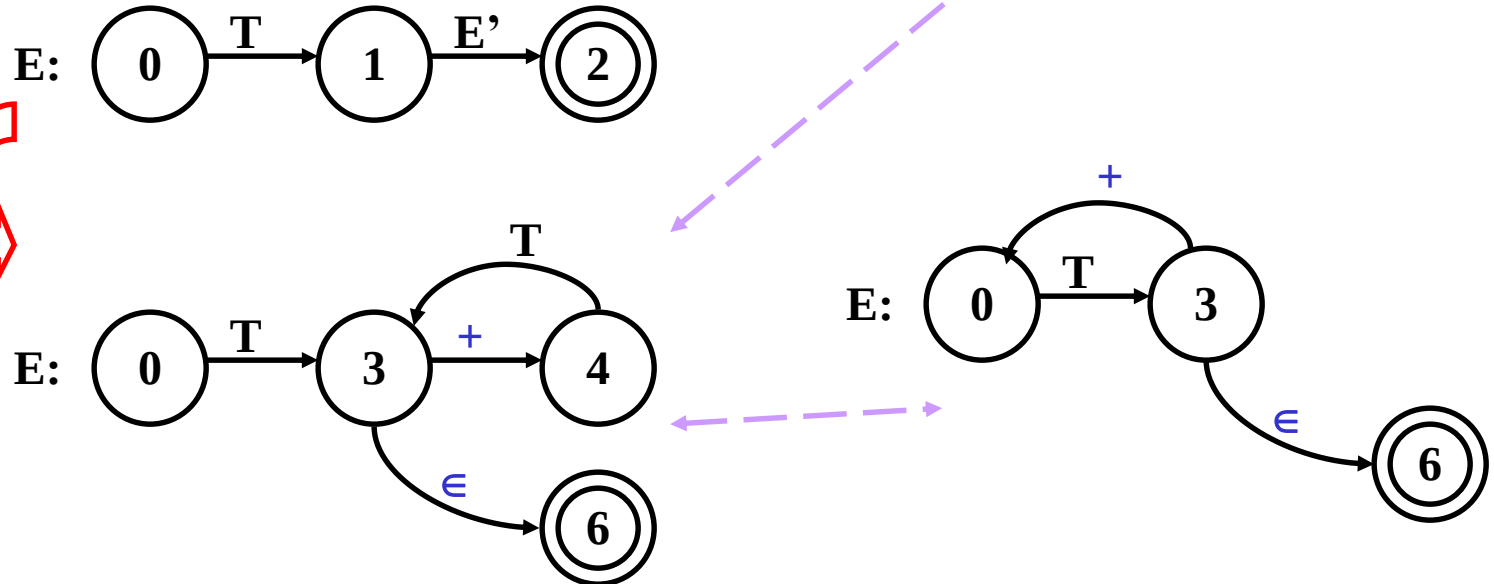
How can Transition Diagrams be Simplified ? (4)



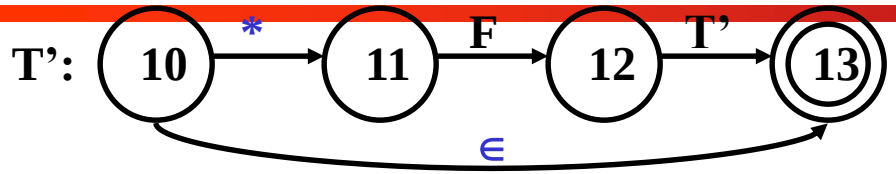


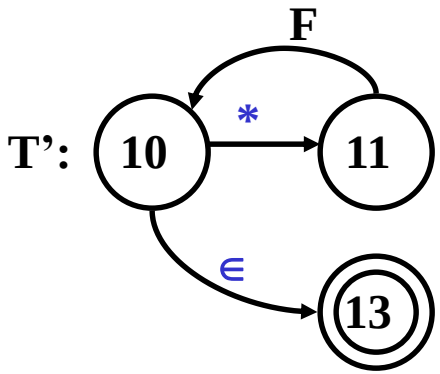
How can Transition Diagrams be Simplified ? (5)

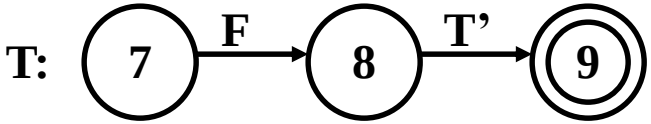


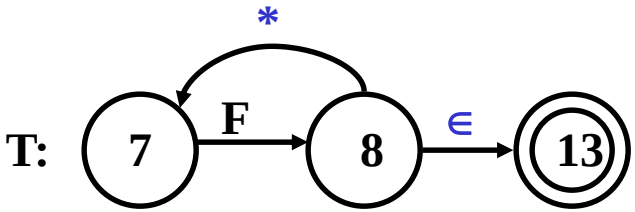


Similar steps for T and T’









Simplified Transition diagrams