

Operation: begin

**TOP OF STACK**

**FRONT OF DEQUE**

0

plus

plus

num

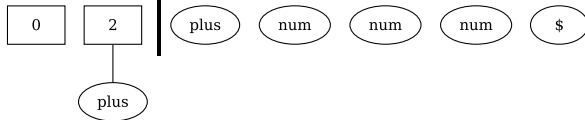
num

num

\$

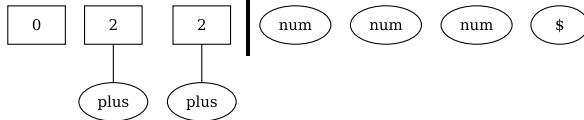
Operation: shift plus to stack, goto state 2

**TOP OF STACK**   **FRONT OF DEQUE**



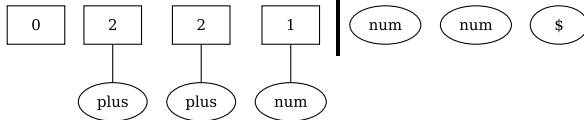
Operation: shift plus to stack, goto state 2

**TOP OF STACK** | **FRONT OF DEQUE**



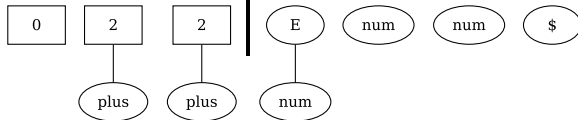
Operation: shift num to stack, goto state 1

**TOP OF STACK**   **FRONT OF DEQUE**



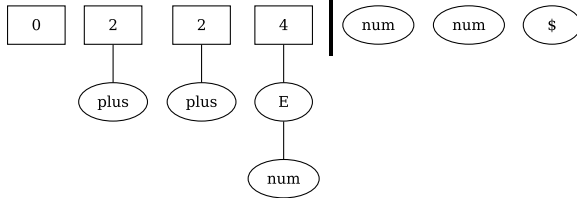
Operation: reduce by rule 3  $E \rightarrow num$

**TOP OF STACK**   **FRONT OF DEQUE**



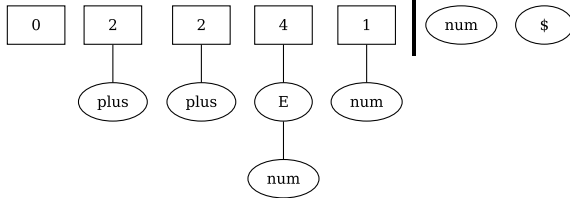
Operation: shift E to stack, goto state 4

**TOP OF STACK**   **FRONT OF DEQUE**



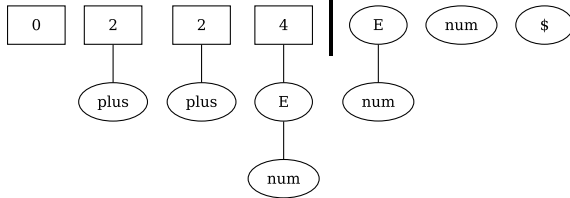
Operation: shift num to stack, goto state 1

**TOP OF STACK** | **FRONT OF DEQUE**



Operation: reduce by rule 3  $E \rightarrow num$

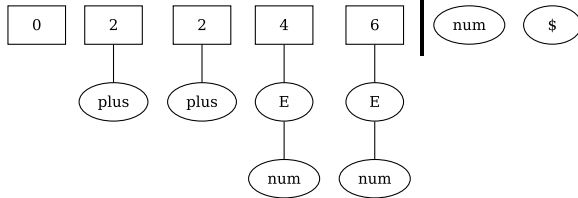
**TOP OF STACK**   **FRONT OF DEQUE**





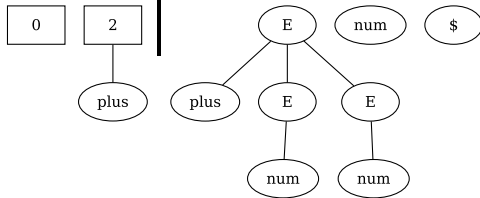
Operation: shift E to stack, goto state 6

**TOP OF STACK** | **FRONT OF DEQUE**



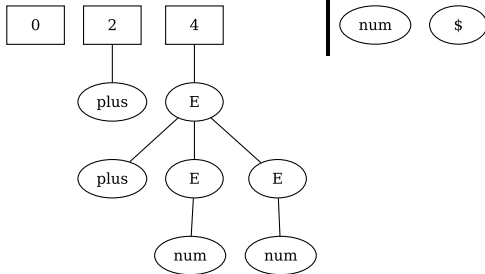
Operation: reduce by rule 2  $E \rightarrow \text{plus } E E$

**TOP OF STACK**   **FRONT OF DEQUE**



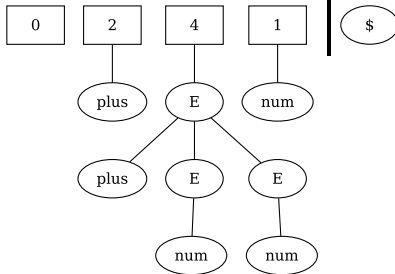
Operation: shift E to stack, goto state 4

**TOP OF STACK** | **FRONT OF DEQUE**



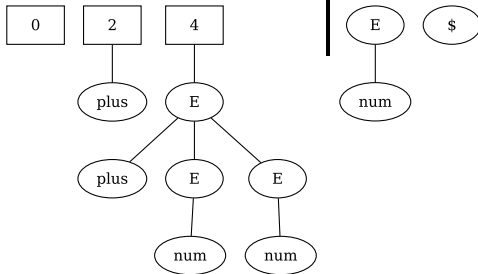
Operation: shift num to stack, goto state 1

**TOP OF STACK** | **FRONT OF DEQUE**



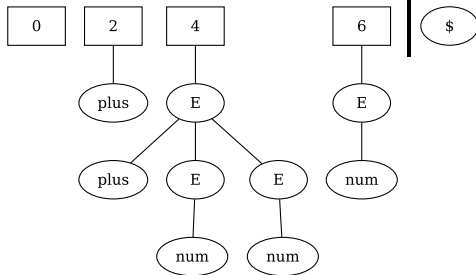
Operation: reduce by rule 3  $E \rightarrow num$

**TOP OF STACK**   **FRONT OF DEQUE**



Operation: shift E to stack, goto state 6

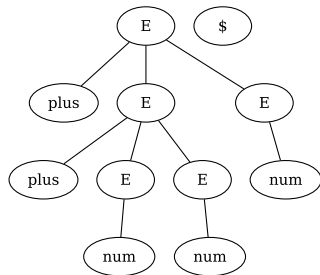
**TOP OF STACK**   **FRONT OF DEQUE**



Operation: reduce by rule 2  $E \rightarrow \text{plus } E E$

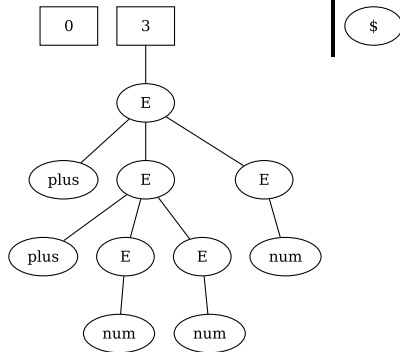
TOP OF STACK FRONT OF DEQUE

0



Operation: shift E to stack, goto state 3

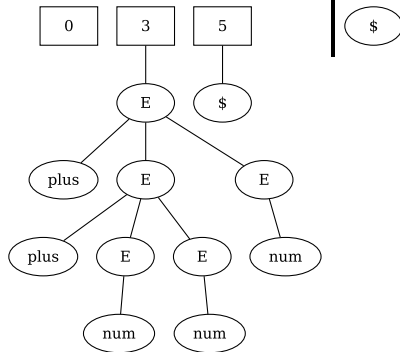
**TOP OF STACK**   **FRONT OF DEQUE**





Operation: shift \$ to stack, goto state 5

**TOP OF STACK**   **FRONT OF DEQUE**



Operation: reduce by rule 1  $START \rightarrow E \$$

TOP OF STACK FRONT OF DEQUE

0

