

$A \rightarrow N, S' \mid E, C \mid 0$   
 $B \rightarrow N, D \mid E, S' \mid 1$   
 $S \rightarrow N, B \mid eps \mid E, A$   
 $C \rightarrow A, A$   
 $S' \rightarrow N, B \mid E, A$   
 $D \rightarrow B, B$   
 $E \rightarrow 1$   
 $N \rightarrow 0$



