

## Resolução do Exercício da Aula 12.

$S_0 \rightarrow A$   
 $A \rightarrow BAB \mid B \mid \epsilon$   
 $B \rightarrow 00 \mid \epsilon$

$S_0 \rightarrow A$   
 $A \rightarrow BAB \mid B \mid \epsilon \mid AB \mid BA$   
 $B \rightarrow 00$

$S_0 \rightarrow A \mid \epsilon$   
 $A \rightarrow BAB \mid B \mid AB \mid BA \mid BB$   
 $B \rightarrow 00$

$S_0 \rightarrow BAB \mid B \mid AB \mid BA \mid BB \mid \epsilon$   
 $A \rightarrow BAB \mid B \mid AB \mid BA \mid BB$   
 $B \rightarrow 00$

$S_0 \rightarrow BAB \mid 00 \mid AB \mid BA \mid BB \mid \epsilon$   
 $A \rightarrow BAB \mid 00 \mid AB \mid BA \mid BB$   
 $B \rightarrow 00$

$S_0 \rightarrow \mathbf{BA}_1 \mid 00 \mid AB \mid BA \mid BB \mid \epsilon$   
 $A \rightarrow \mathbf{BA}_1 \mid 00 \mid AB \mid BA \mid BB$   
 $B \rightarrow 00$   
 $A_1 \rightarrow AB$

$S_0 \rightarrow \mathbf{BA}_1 \mid ZZ \mid AB \mid BA \mid BB \mid \epsilon$   
 $A \rightarrow \mathbf{BA}_1 \mid ZZ \mid AB \mid BA \mid BB$   
 $B \rightarrow ZZ$   
 $A_1 \rightarrow AB$   
 $Z \rightarrow 0$