



- 4) Ambiguous because there can be multiple derivation trees for certain strings. For example, the string "a" can be derived from $A \rightarrow a$ directly, or through $A \rightarrow (A) \rightarrow a$.
- 5) Ambiguous because there can be multiple derivation trees for certain strings. For instance, the string 'aabb' can be derived from $S \rightarrow AB \rightarrow AaB \rightarrow aab$ or directly from $S \rightarrow SS \rightarrow AB \rightarrow aab$.