(1) A Context Free Grammar

\[ S \rightarrow NP \ VP \]
\[ NP \rightarrow \text{Det} \ N \mid \text{PN} \]
\[ \text{Det} \rightarrow \text{a} \mid \text{the} \]
\[ N \rightarrow \text{mouse} \mid \text{cat} \mid \text{dog} \]
\[ \text{PN} \rightarrow \text{it} \]
\[ \text{VP} \rightarrow V_I \mid V_T \ NP \mid V_3 \text{ that } S \]
\[ V_I \rightarrow \text{swam} \mid \text{slept} \]
\[ V_T \rightarrow \text{chased} \mid \text{evaded} \]
\[ V_3 \rightarrow \text{believed} \mid \text{dreamed} \]

The language of this grammar happens to be regular, as well as context free.

(2) A DFA to recognize the same language

(Of course, such a conversion is not always possible: there are context free languages that are not regular.)