Consider the formula:

\[(a \lor \overline{b} \lor \overline{c}) \land (b \lor \overline{b}) \land (a \lor \overline{b}) \land (a \lor \overline{b})\]

Draw the corresponding graph, as in Theorem 7.32 and find a CLIQUE corresponding to a satisfying assignment.
Consider N, a nondeterministic TM with the following state diagram:

Encode the sequences of configurations for the accepting computation of N with input string \textit{aabca} using a tableau as in the Cook-Levin Theorem.
Encode the sequences of configurations for the accepting computation of $N$ with input string \textit{aabca}. using a tableau as in the Cook-Levin Theorem.