

## Formale Baumsprachen

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**Task 15 (complement of a string automaton)**

- (a) Give a non-deterministic string automaton  $\mathcal{M}$  whose language is not complemented by complementing its final states.
- (b) Give a string automaton  $\mathcal{M}'$  such that  $L(\mathcal{M}') = \Sigma^* \setminus L(\mathcal{M})$ .