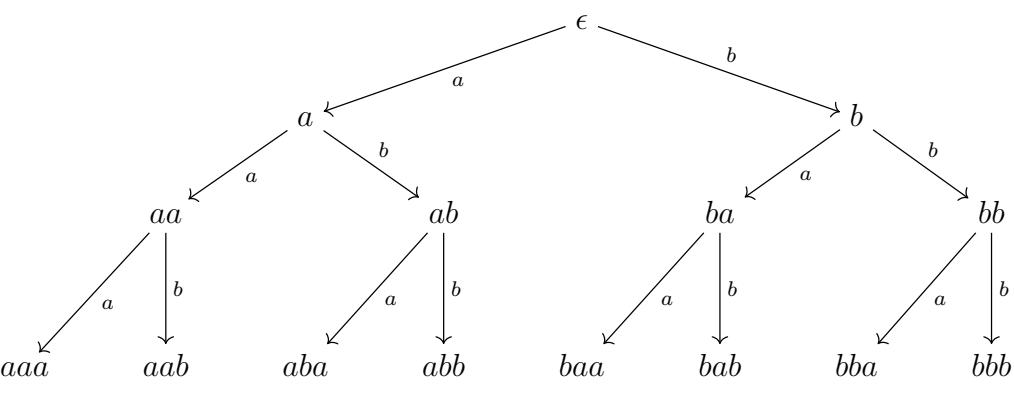
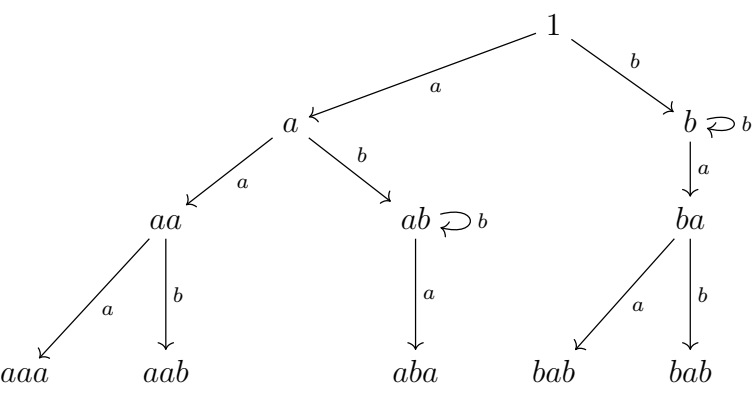


(a) The Free Monoid over $\Sigma = \{a, b\}$, $(\text{List}(\Sigma), \circ, ())$



(b) The Monoid over $\{a, b\}$ with $bb = b$



(c) The Action of Monoid over $\{a, b\}$ with $bb = 1$ over polynomials

