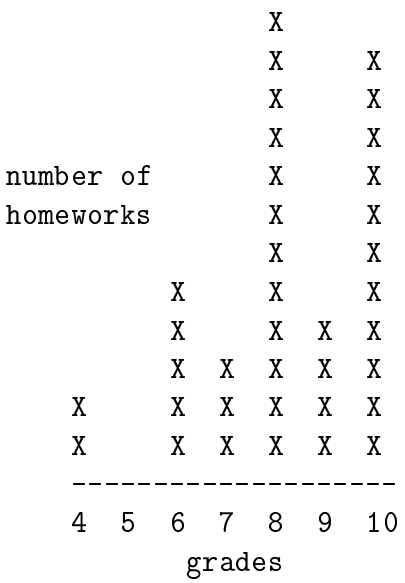
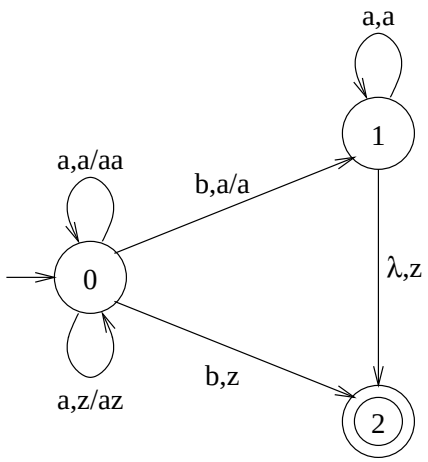
Automata Theory: Solutions 9

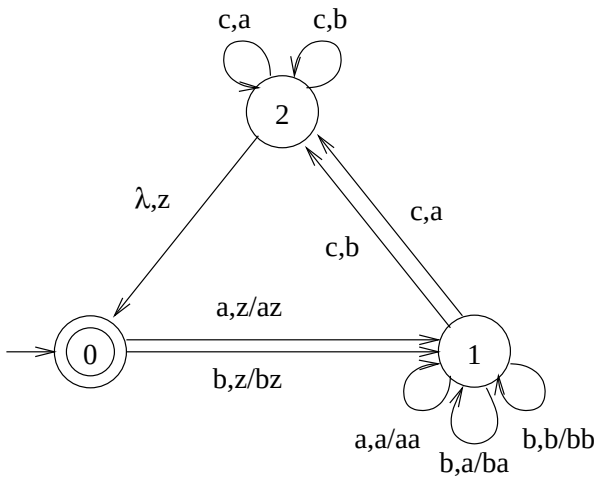


Problem 1
Construct deterministic PDAs for the following languages:

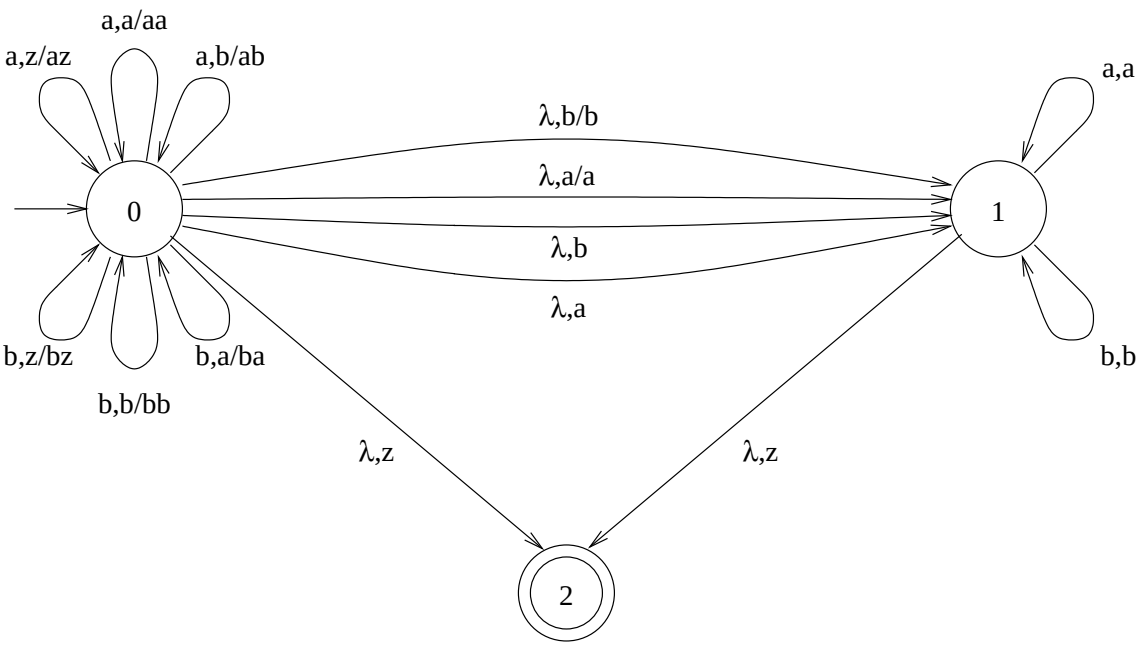
(a) $\{a^n b a^n : n \geq 0\}$



(b) $\{a^n b^m c^{n+m} : n \geq 0, m \geq 0\}$



Problem 2

Construct a nondeterministic PDA for the following language on the alphabet $\Sigma = \{a, b\}$:

$\{w : \ w = w^R\}$