

1. $wav; |w| = |v|; w, v \text{ patria do } \{a,b\}^*$

$\{aaa, bab, abaab, baaba, aaaaa, bbabb, \dots\}$

b, A, BA

a, B, AB

b, B, BB

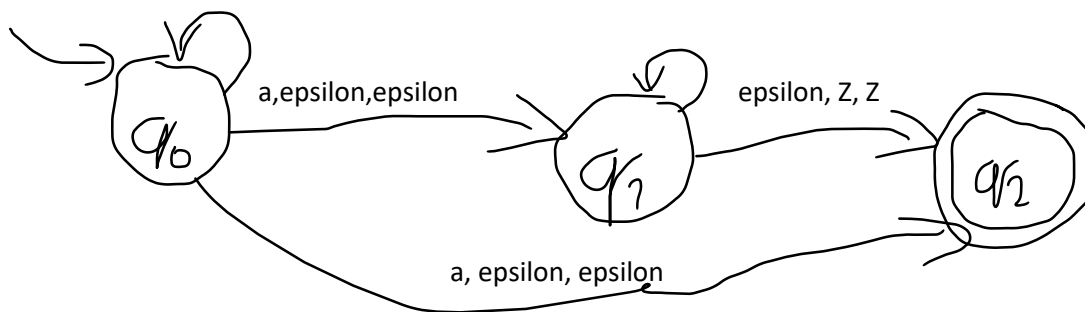
a, A, AA

b, Z, BZ

a, Z, AZ

a, B, epsilon

b, A, epsilon



2. prevod $G \rightarrow PDA$

$G = (N, T, P, S)$

$P = \{S \rightarrow aACA \mid A \mid b\}$

$A \rightarrow aABAS \mid aBB \mid bB \mid b$

$B \rightarrow +SC \mid bB \mid aAA \mid a$

$C \rightarrow + \}$

Riešenie:

$PDA = \{K, \Sigma, \Gamma, \delta, q_0, Z_0, F\}$

$K = \{q_0, q_1, q_r\}$

$\Sigma = \{a, b\}$

$\Gamma = \{Z_0, S, A, B, C\}$