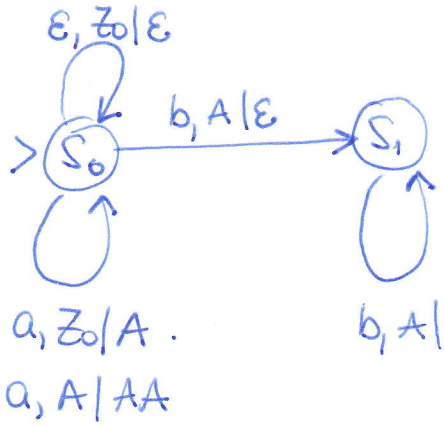
$L_{ab} = \{a^n b^n \mid n \in \mathbb{N}\}$

PDA:



Grammatik:

$V = \{ [S_0, Z_0, S_0], [S_0, Z_0, S_1], [S_1, Z_0, S_0], [S_1, Z_0, S_1], [S_0, A, S_0], [S_0, A, S_1], [S_1, A, S_0], [S_1, A, S_1] \}$

$R := \{ S \to [S_0, Z_0, S_0] \mid [S_0, Z_0, S_1],$

$[S_0, Z_0, S_0] \to \varepsilon$ — Kommentar: $(S_0, \varepsilon, Z_0) \Delta (S_0, \varepsilon)$

$[S_0, Z_0, S_0] \to a\,[S_0, A, S_0]$

$[S_0, Z_0, S_1] \to a\,[S_0, A, S_1]$ — Kommentar: $(S_0, a, Z_0) \Delta (S_0, A)$

$[S_0, A, S_0] \to a\,[S_0, A, S_0]\,[S_0, A, S_0]$

$[S_0, A, S_0] \to a\,[S_0, A, S_1]\,[S_1, A, S_0]$

$[S_0, A, S_1] \to a\,[S_0, A, S_0]\,[S_0, A, S_1]$

$[S_0, A, S_1] \to a\,[S_0, A, S_1]\,[S_1, A, S_1]$ — Kommentar: $(S_0, a, A) \Delta (S_0, AA)$

$[S_0, A, S_1] \to b$ — Kommentar: $(S_0, b, A) \Delta (S_1, \varepsilon)$

$[S_1, A, S_1] \to b.$ — Kommentar: $(S_1, b, A) \Delta (S_1, \varepsilon)$