

## 6. domača naloga TOR II – 2024

$$L=\{a^n b^n b^m a^m \mid n, m > 0\}$$

$$M=\langle Q, \Sigma, \Gamma, \delta, q_0, z_0, F \rangle$$

$$\{Q\}=\{Q, P\}$$

$$\Gamma=\{z_0, X\}$$

$$\{F\}=\{z_0\} \quad \Sigma=\{a, b\}$$

$$z_0=z_0$$

$$q_0=q_0$$

$\delta$  je funkcija za prehode avtomata.

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Podana je funkcija za naš avtomat:

Zgornji del za  $a^n b^n$   $n > 0$

$$\delta(q, a, z_0) = (q, xz_0)$$

$$\delta(q, a, X) = (q, XX)$$

$$\delta(q, b, X) = (p, \epsilon)$$

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$b^m a^m > z_0$  za vsak  $m > 0$

$$\delta(p, b, z_0) = (q, Xz_0)$$

$$\delta(q, b, X) = (q, xX)$$

$$\delta(q, a, X) = (p, \epsilon)$$

$$\delta(p, a, X) = (p, \epsilon)$$

$$\delta(q, \epsilon, z_0) = (p, \epsilon) \rightarrow \text{Konec, ker je sklad izbrisan}$$