

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

$$\Sigma^* = \{\varepsilon, a, b, aa, ab, ba, bb, \\ \dots, aaa, aab, \dots, bbb, \\ \dots\}$$

$$\Sigma^+ = \Sigma^* \setminus \{\varepsilon\}$$

$$A \setminus B = \{a \mid a \in A \text{ e } a \notin B\}$$

✓

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

$$L = \{ \alpha a a \mid \alpha \in \{b\}^+ \}$$

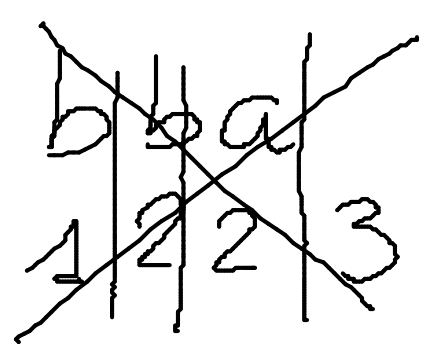
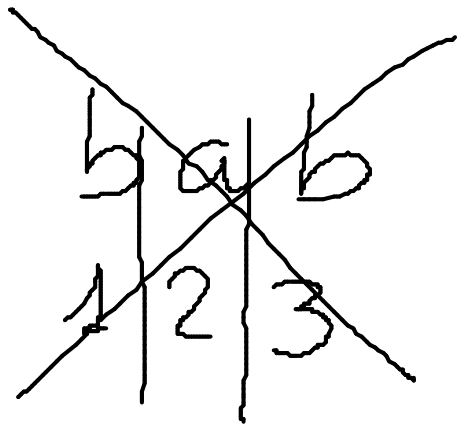
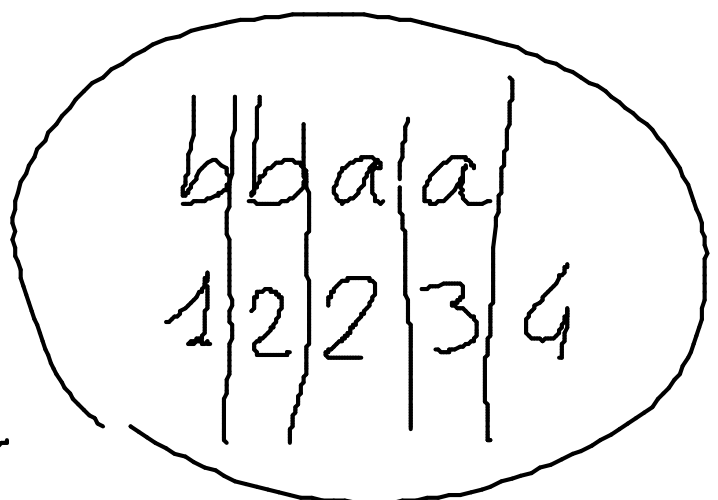
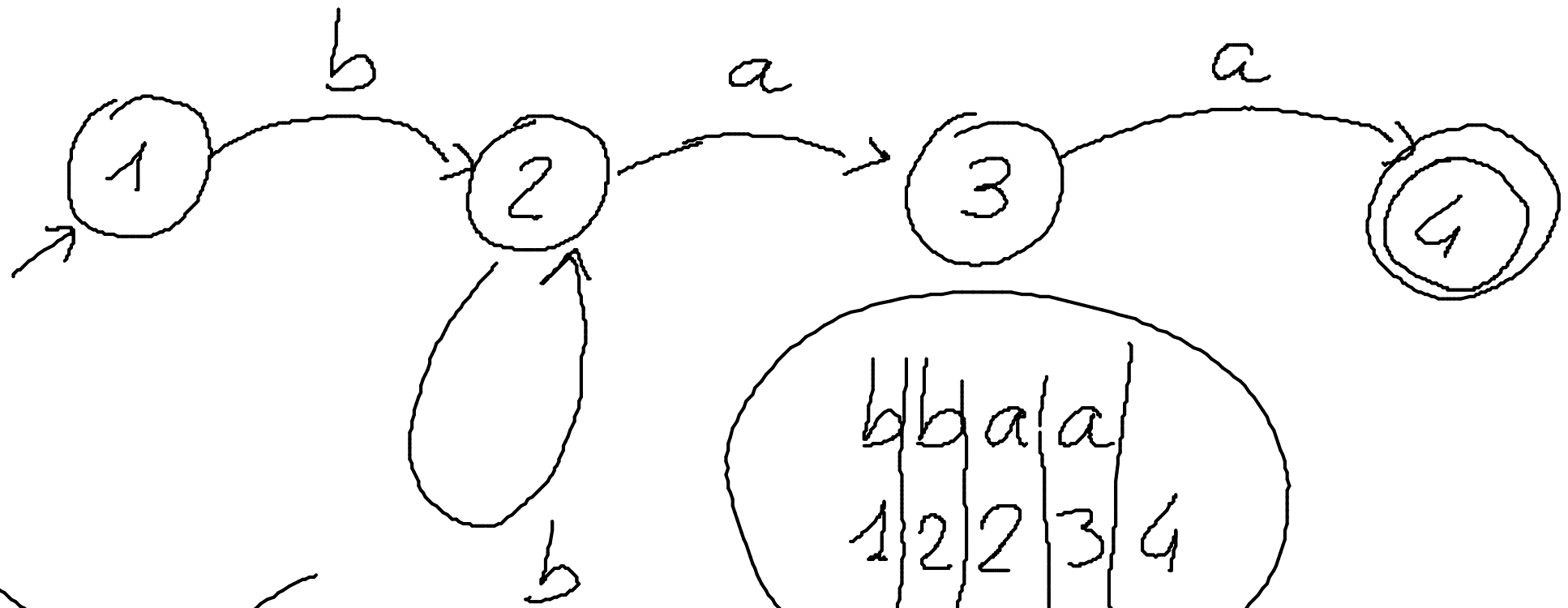
$$\{b\}^* = \{ \epsilon, b, bb, bbb, \dots \}$$

$$A = \{b\}$$

$$A^*$$

$$L = \{ b^m a a \mid m \in \mathbb{N}^+ \}$$

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$$L = \left\{ \underline{\alpha a a} \mid \underline{\alpha \in \Sigma^+} \right\}$$

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

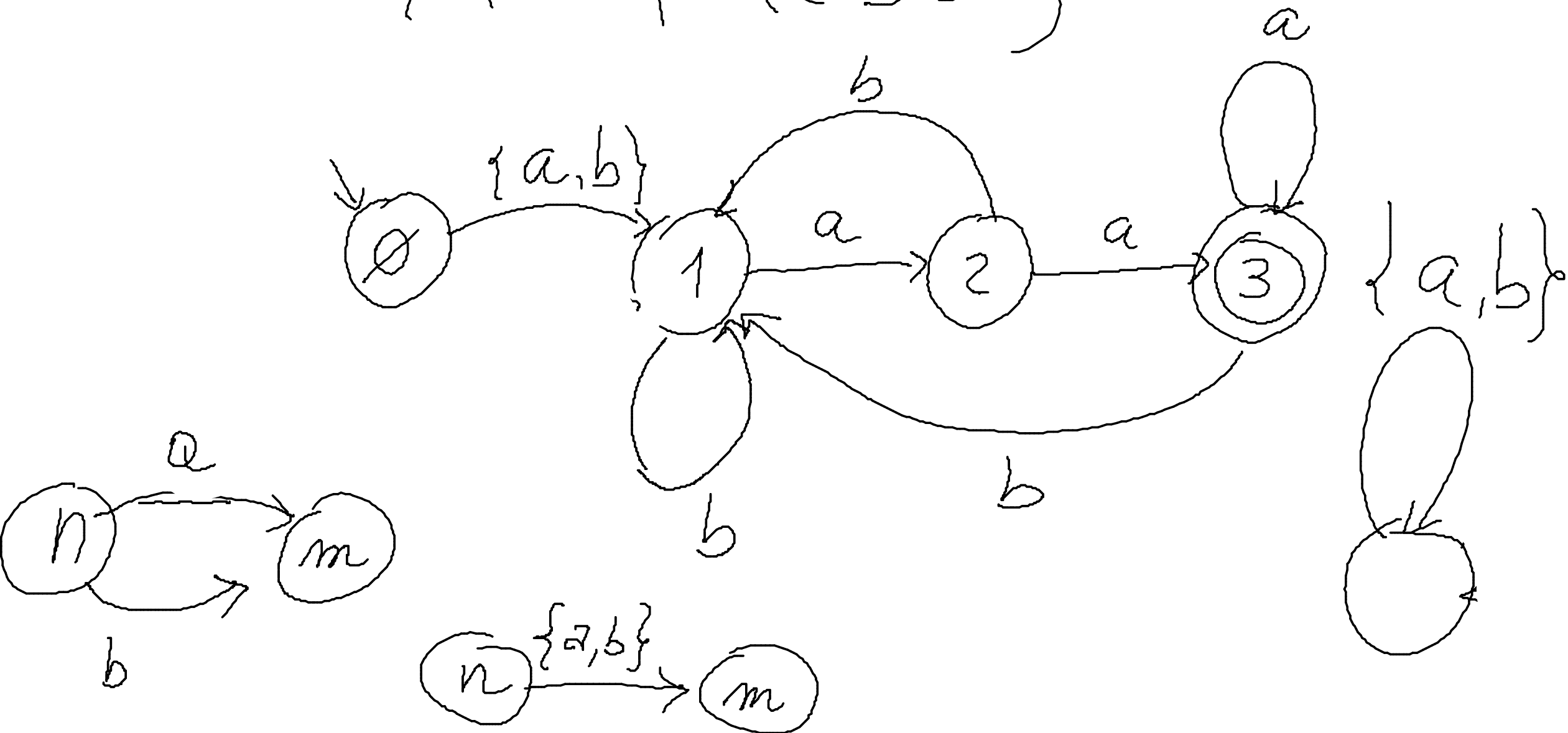
bbab

$$\Sigma^+ = \{a, b, aa, ab, ba, bb,$$

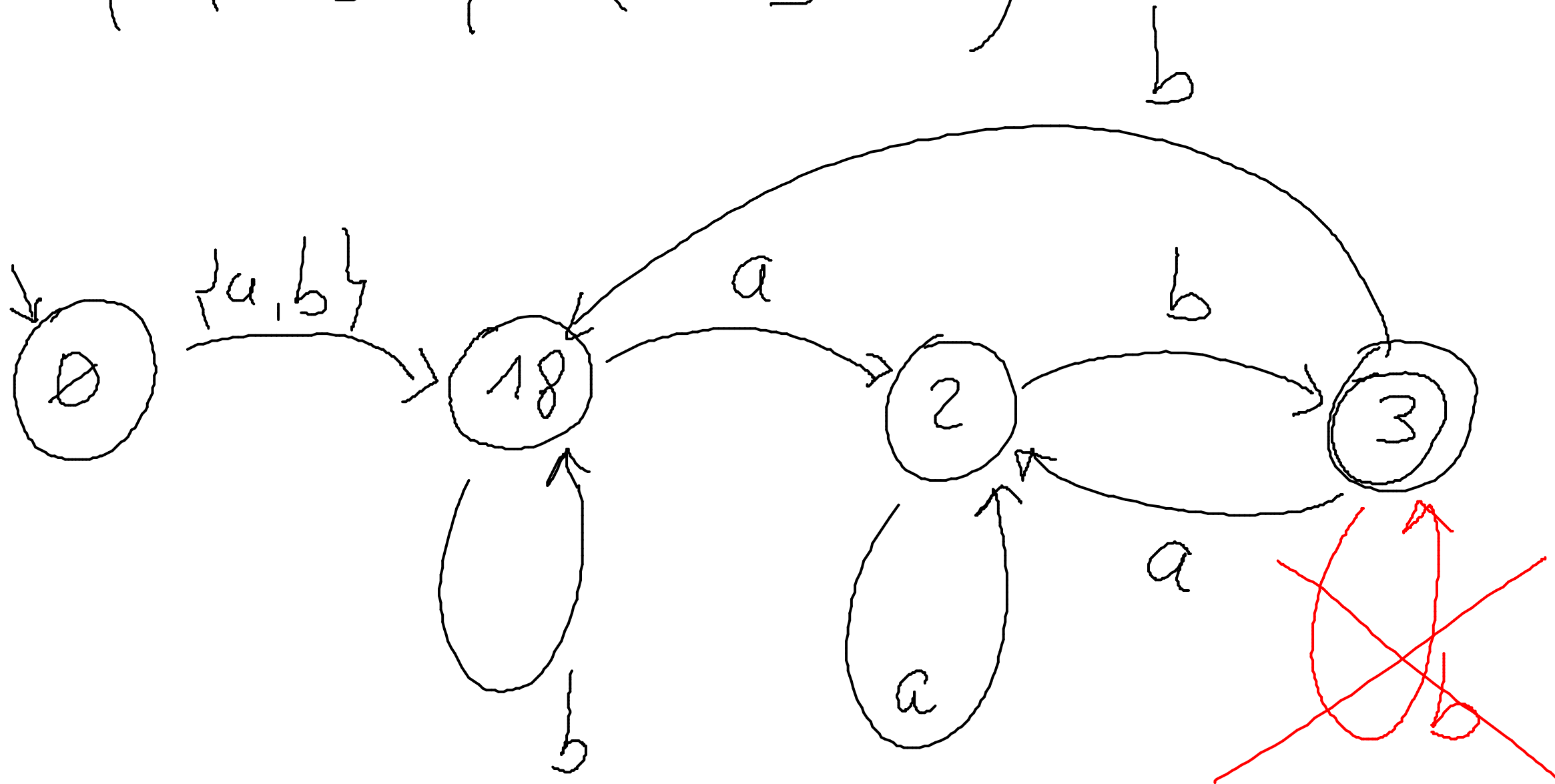
aaa, aab, ..., bbb, aaaa, aaab, ...

abab, ..., bbbb, ...

$$L = \{ \alpha aa \mid \alpha \in \Sigma^+ \}$$



$$L = \{ \alpha ab \mid \alpha \in \Sigma^+ \}$$



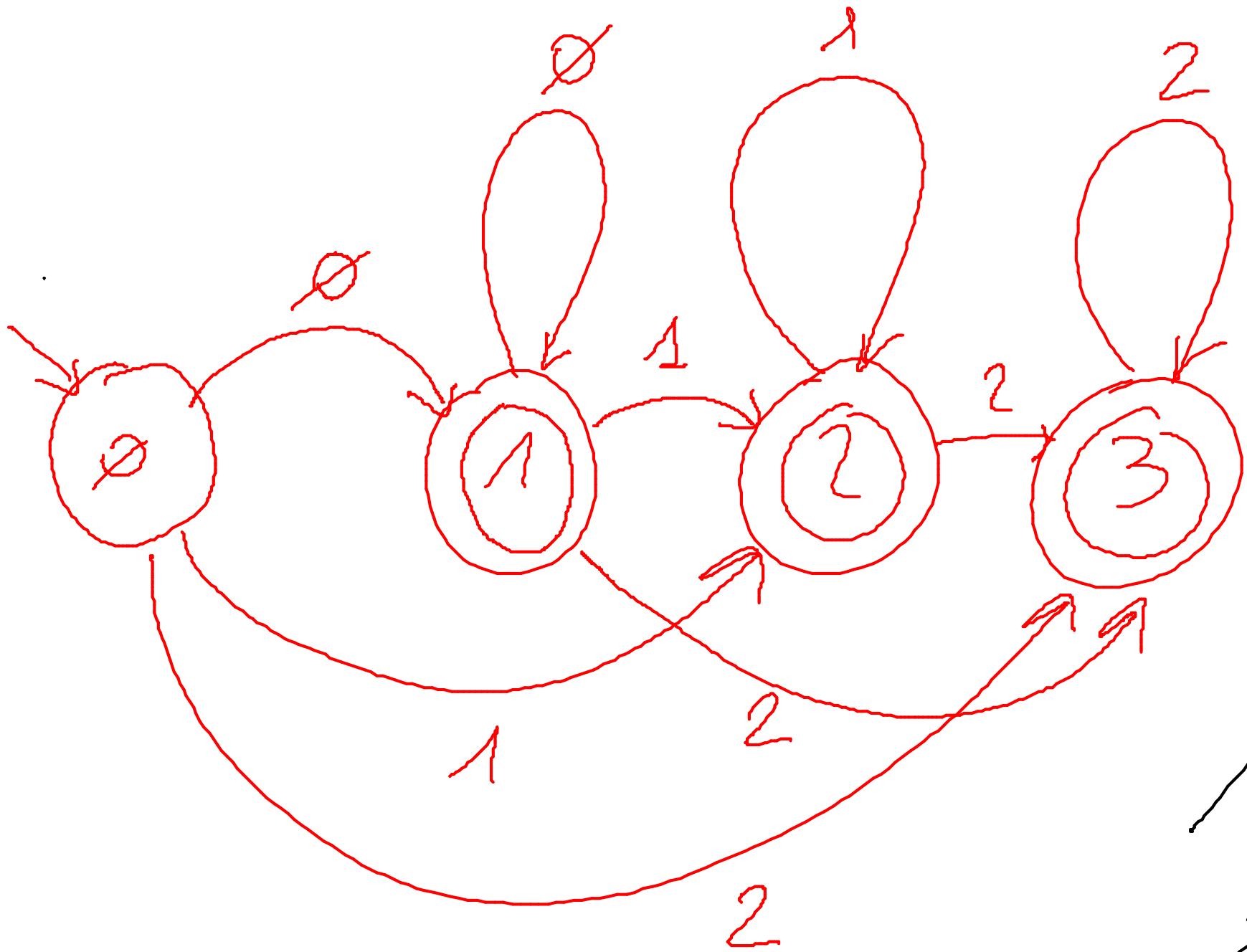
L è il linguaggio di stringhe ^{non vuote} di

$$\Sigma = \{\emptyset, 1, 2\}$$

→ cifre non decrescenti 102 No!

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0001222 00222

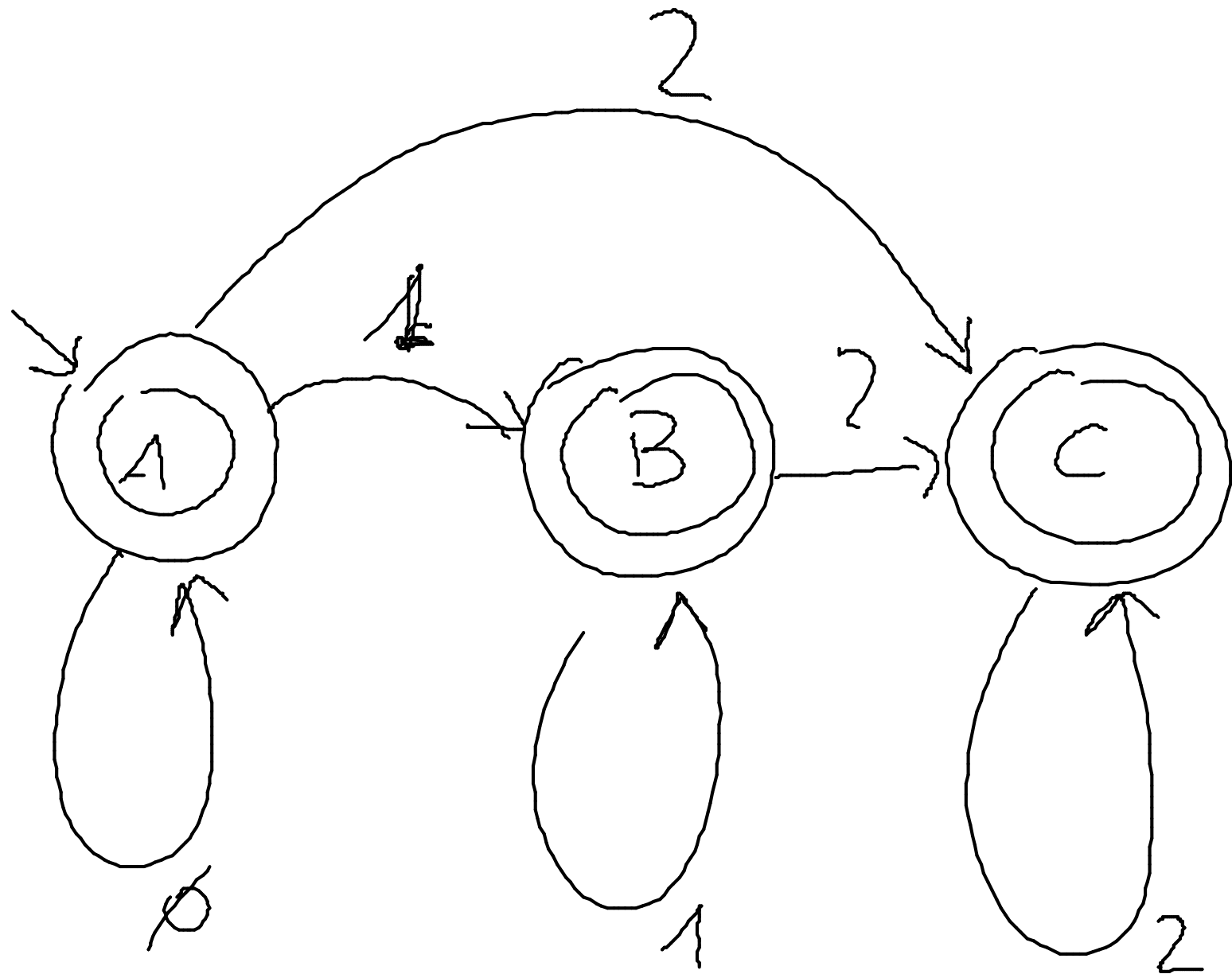


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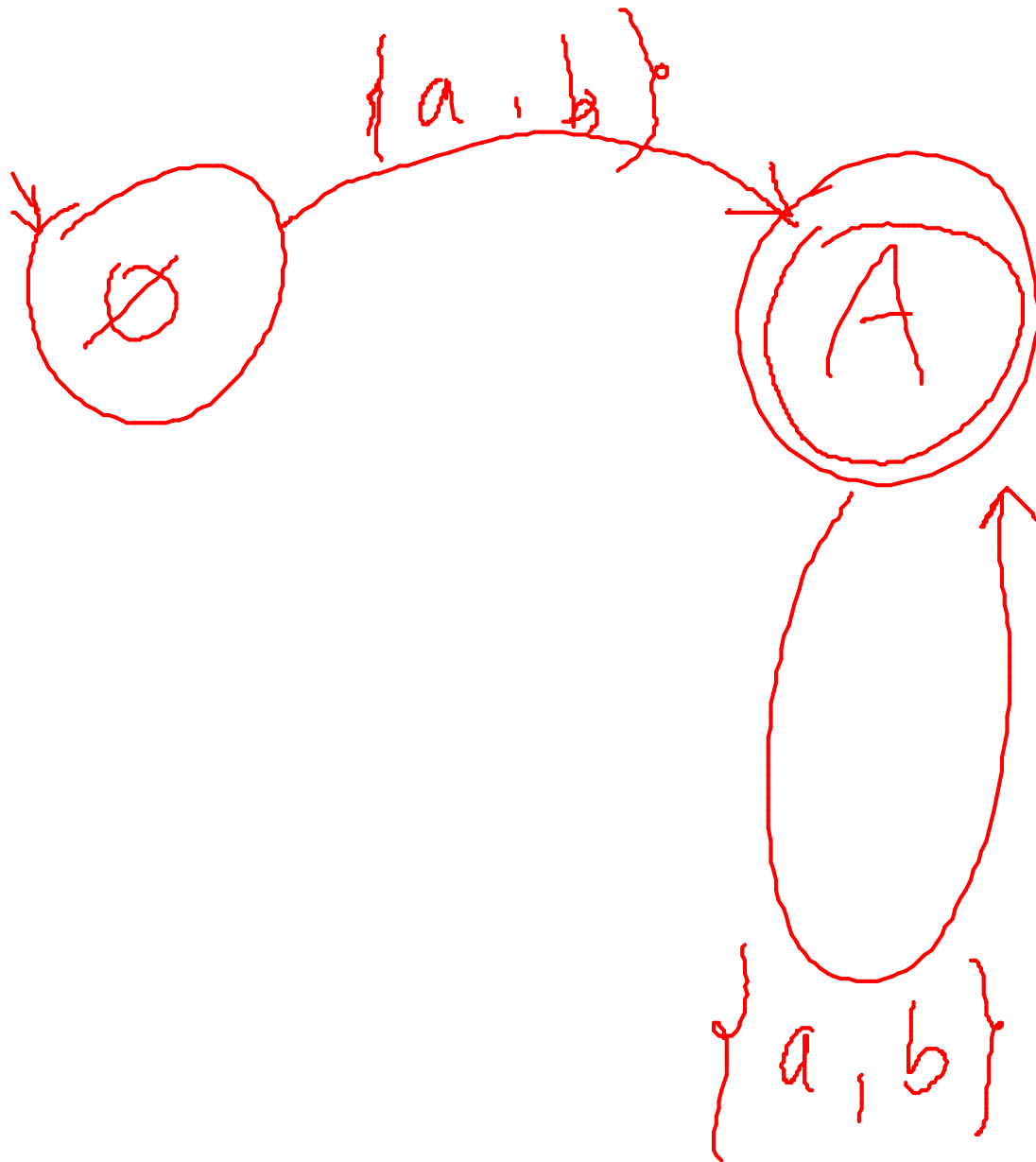
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$$L = \left\{ 0^x 1^y 2^z \mid \begin{array}{l} x, y, z \in \mathbb{N} \\ x, y, z \geq 0 \\ x + y + z > 0 \end{array} \right\}$$

$$L = \left\{ a_1 a_2 \dots a_m \mid \begin{array}{l} n > 0 \text{ e} \\ a_i \leq a_{i+1}, i \in \overline{1, m} \end{array} \right\}$$
$$a_i \in \mathcal{L}$$



$$L = \Sigma^+$$



aaab

aaaa