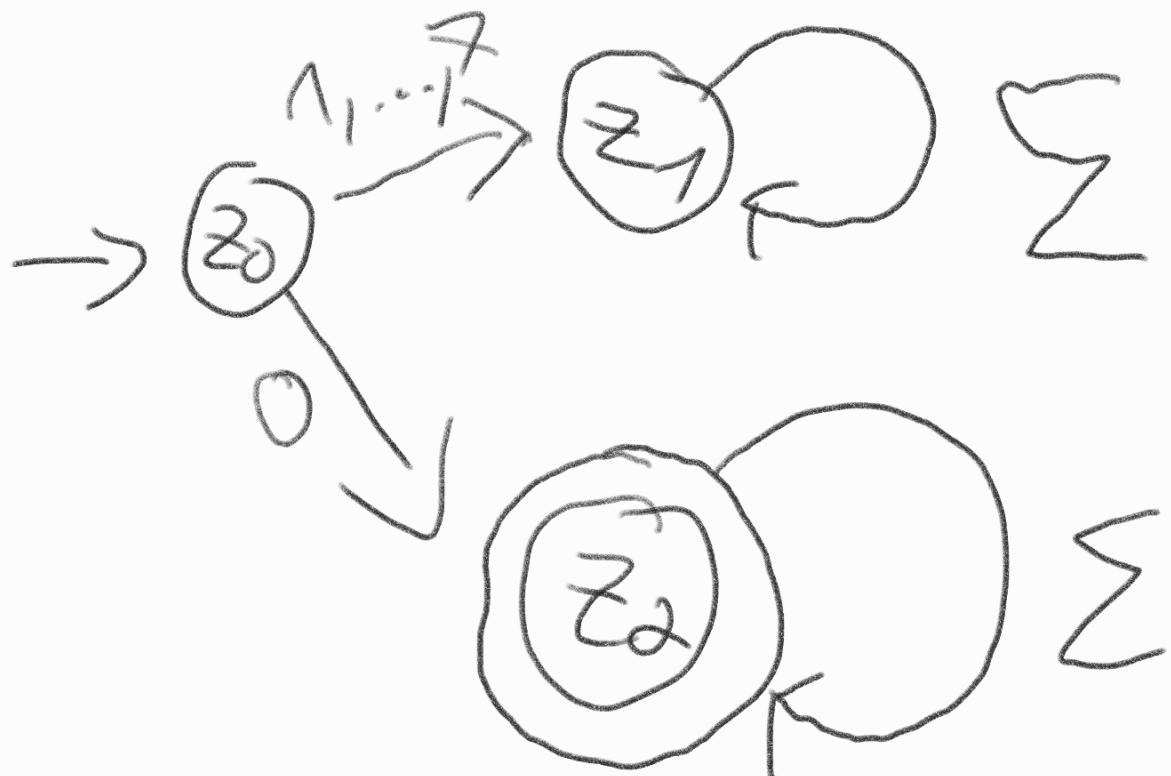


7) $L(M_1)$ $\Sigma = \{0, \dots, 7\}$



Z	Σ	Z
z_0	0	z_2
z_0	1	z_1
\vdots	\vdots	\vdots
z_0	7	z_1

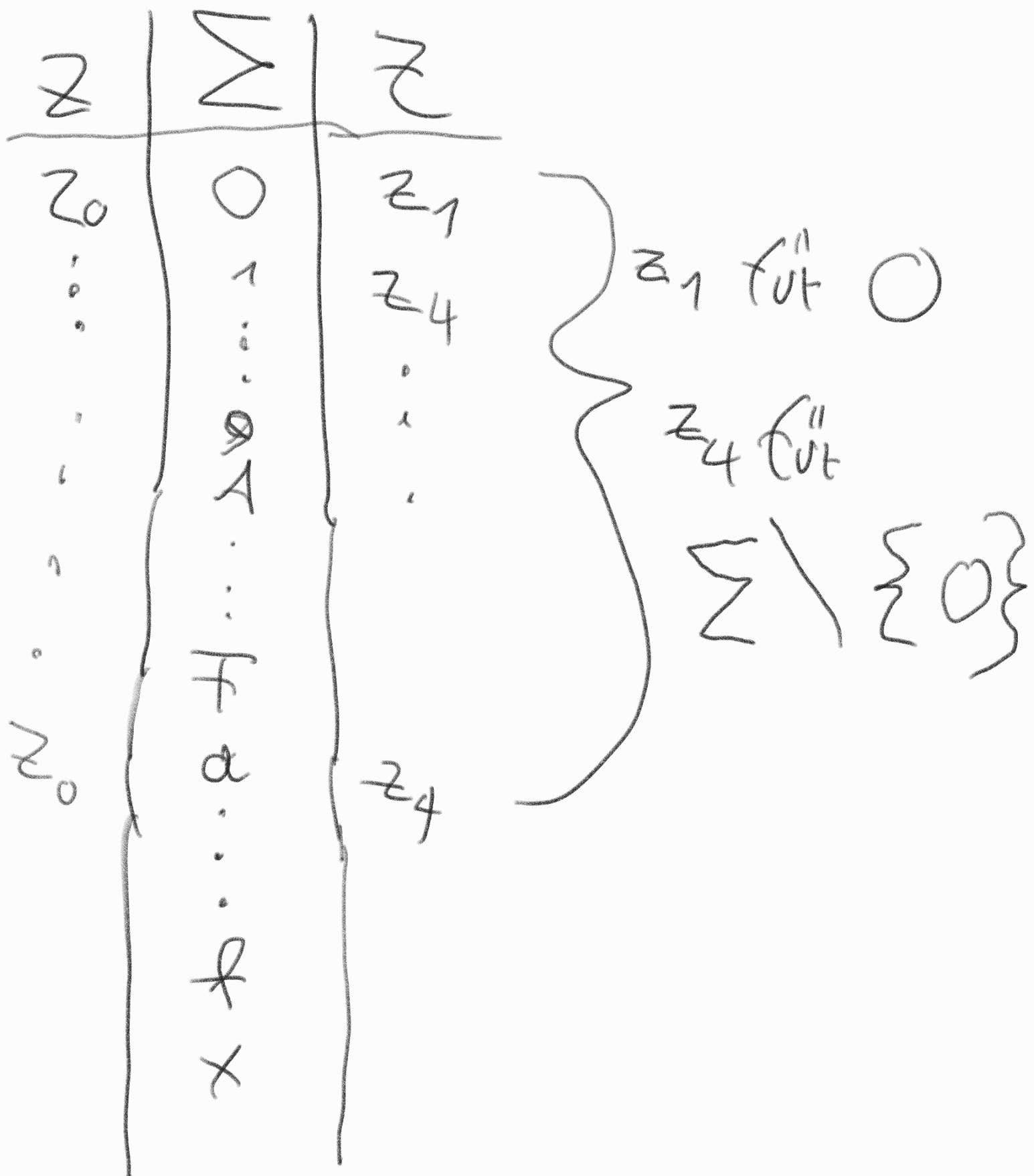
$L(M_2)$ $M = (\Sigma, \Sigma, \delta, z_0, E)$



$$\text{int } x = 0x1 \quad \cancel{0xx1} \quad \cancel{01x}$$

$$\text{int } x = 01$$

$$\text{int } x = 1$$

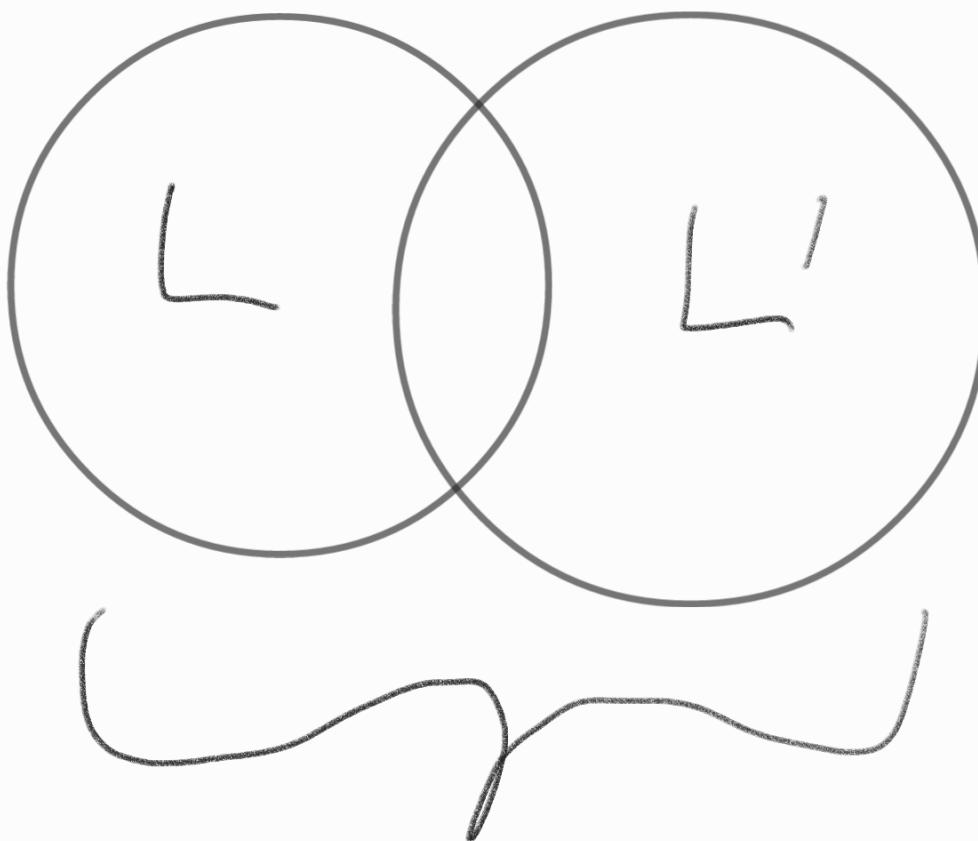


2) $C_{\text{kontextfrei}}$

$$\nabla \stackrel{1}{=} \cup$$

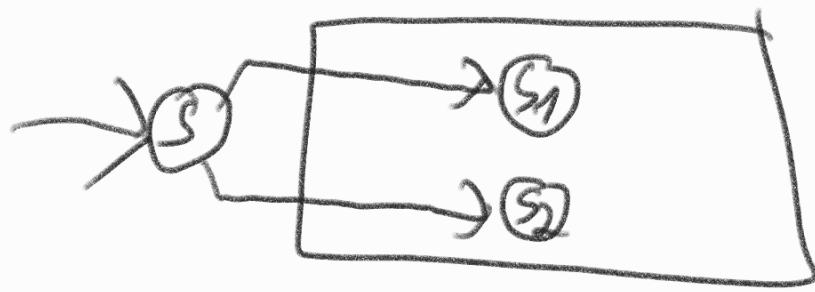
$L, L' \in C_{\text{kontextfeiner}}$

$L \cup L' \in C_{\text{kontextfrei}}$



$L \cup L'$

$$L_1(G_1) \quad L_2(G_2)$$
$$G =_{\text{def}} (\Sigma, N, P, S)$$
$$G = (\Sigma_1 \cup \Sigma_2, N_1 \cup N_2 \cup \{S\}, \\ P_1 \cup P_2 \cup \{S \rightarrow s_1, S \rightarrow s_2\}, \\ S)$$
$$\left(\begin{array}{l} A \rightarrow w \text{ m. f} \\ A \in N, w \in (N \cup \Sigma)^* \\ \text{und } |w| \geq 1 \end{array} \right)$$

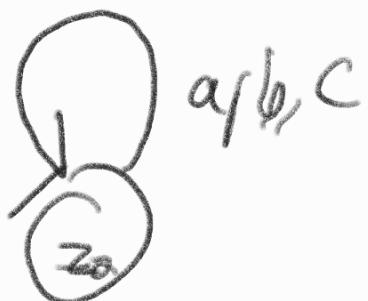


$A \rightarrow aB$

odet

$A \rightarrow d$

$$3) \quad \Sigma = \{a, b, c\}$$



bod emptyL (DEA M)

{

matchlet $z_0;$

do {

$f_{0b}(z \in \Sigma) \{$

if ((z ist matchet) &&

(Nachfolget ist a, b oder
c matchet))

{

matchete Nachfolger;

{

{ while (es weiter Zustände
 neu matchiert werden)for ($z \in E$) { if (z ist matchiert)

{

return false;

{

return true;

{

