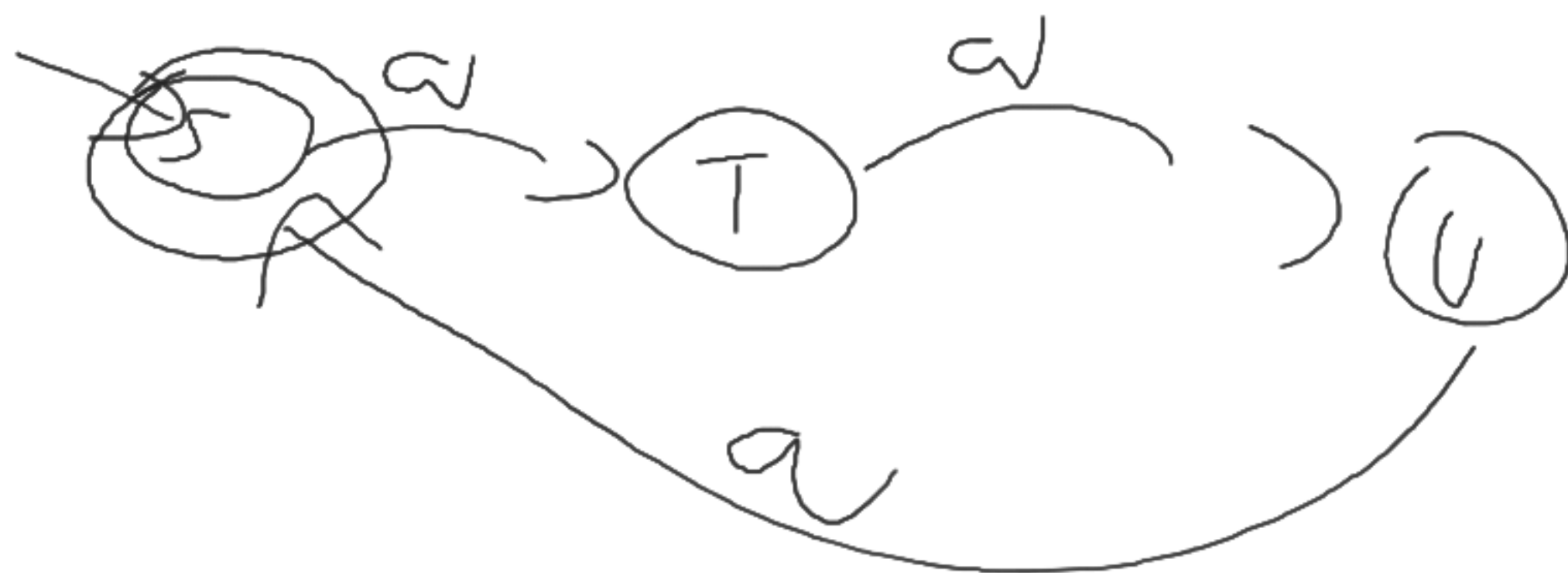


$G = (N, T, P, S)$

$a^{3n}; n \text{ je } \mathbb{Z}^+$

$N = \{S\} \quad T = \{a\}$



$S \rightarrow aT$
 $T \rightarrow aU$
 $U \rightarrow aS$

$S \rightarrow \varepsilon$

Generovanie

$S \rightarrow aaaS \rightarrow aaaaaaS \rightarrow aaaaaa$

$S \rightarrow aaaS$
 $S \rightarrow \varepsilon$

$a^i b^j c^k; i, j, k \in \mathbb{N}$

$U \rightarrow cU \mid \epsilon$

$U \rightarrow \bar{c}U$

$U \rightarrow \epsilon$

bcc
acc

abc
aabbcc

ϵ
ab bc
a
b

aaaaaaaaaaaaaab



$G = (N, T, P, S)$ $N = \{S, U, T\}$
 $P: \epsilon$ $T = \{a, b, c\}$

$S \rightarrow aS \mid bT \mid cU \mid \epsilon$

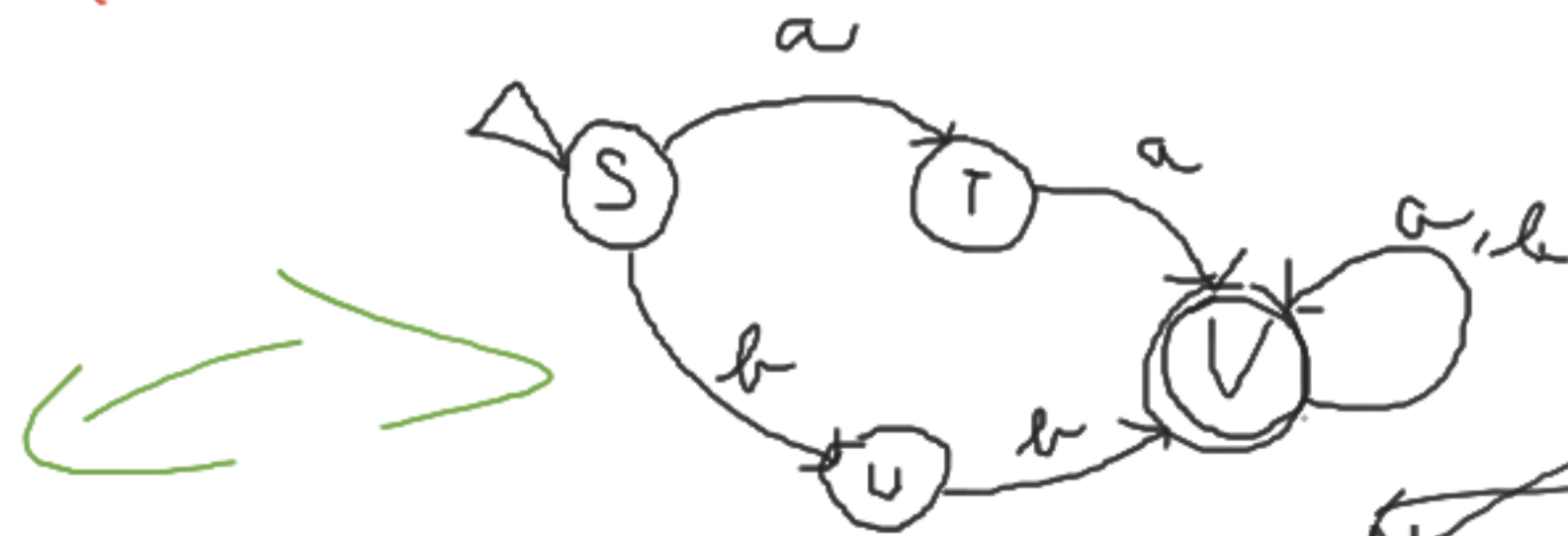
$U \rightarrow cU \mid \epsilon$

$T \rightarrow bT \mid cU \mid \epsilon$

}

prvé dve písmená rovnaké, slovo je z $\{a, b\}^*$

aa
 bb
 $bbab$
 $aaabaa$
 ~~ϵ~~



$S \rightarrow aT \mid bU$

$T \rightarrow aV$

$U \rightarrow bV$

$V \rightarrow aV \mid bV \mid \epsilon$

Normalny tvar

$S \rightarrow aS_1$

$S_1 \rightarrow aT$

$S \rightarrow bS_2$

$S_2 \rightarrow bT$

$T \rightarrow aT$

$T \rightarrow bT$

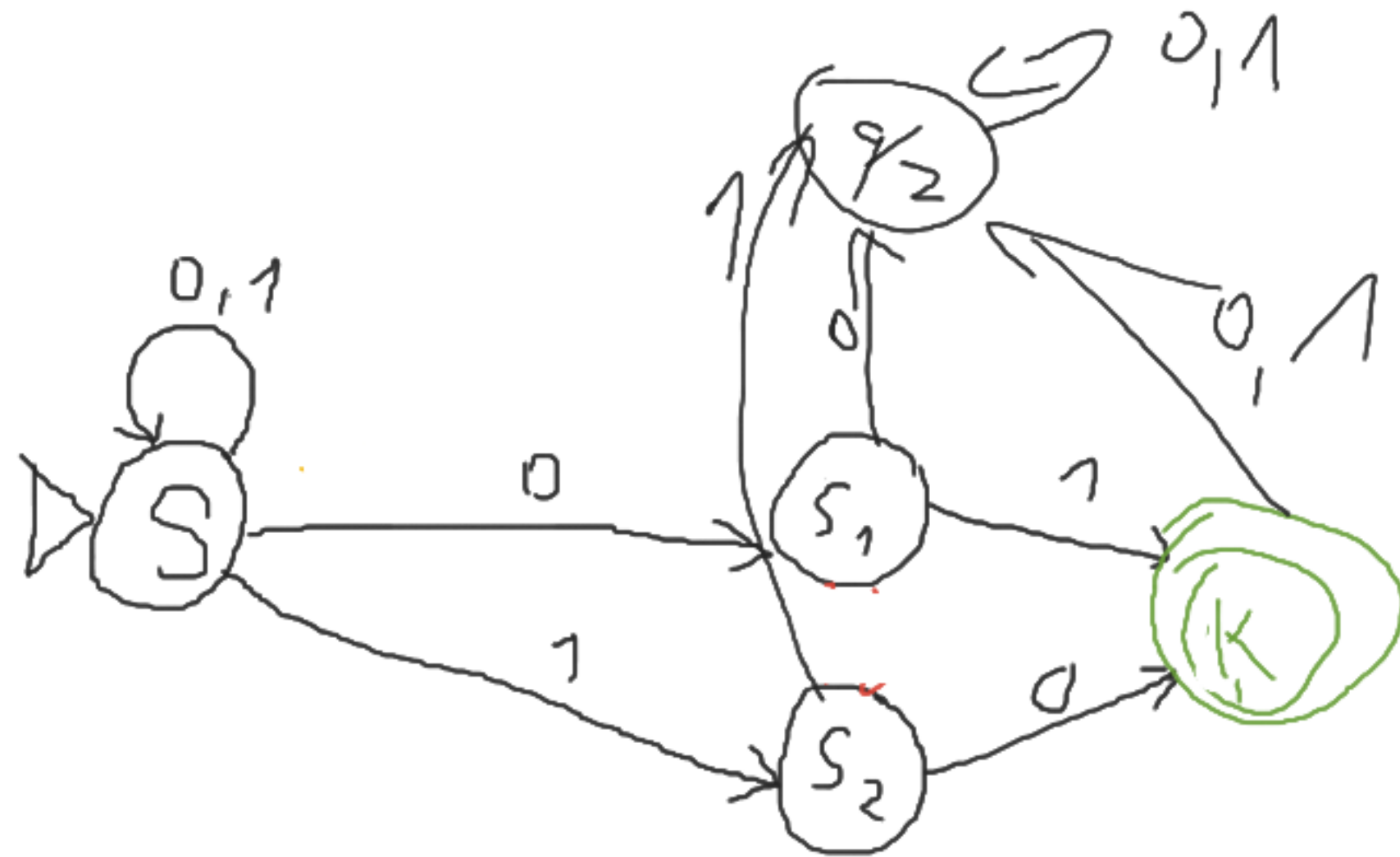
$T \rightarrow \epsilon$

$S \rightarrow aaT$
 $S \rightarrow bbT$

$T \rightarrow aT$
 $T \rightarrow bT$
 $T \rightarrow \epsilon$

práve jedna 0 na posledných dvoch miestach, slovo je z $\{0,1\}^*$

| | | | | |
|---|---|----|-----|---|
| 0 | x | 01 | 011 | x |
| 1 | x | 10 | | |
| | | 11 | x | |
| | | 00 | x | |



$S \rightarrow 0S11S101110$

$S \rightarrow 0S \rightarrow 00S \rightarrow 001S \rightarrow 00101$

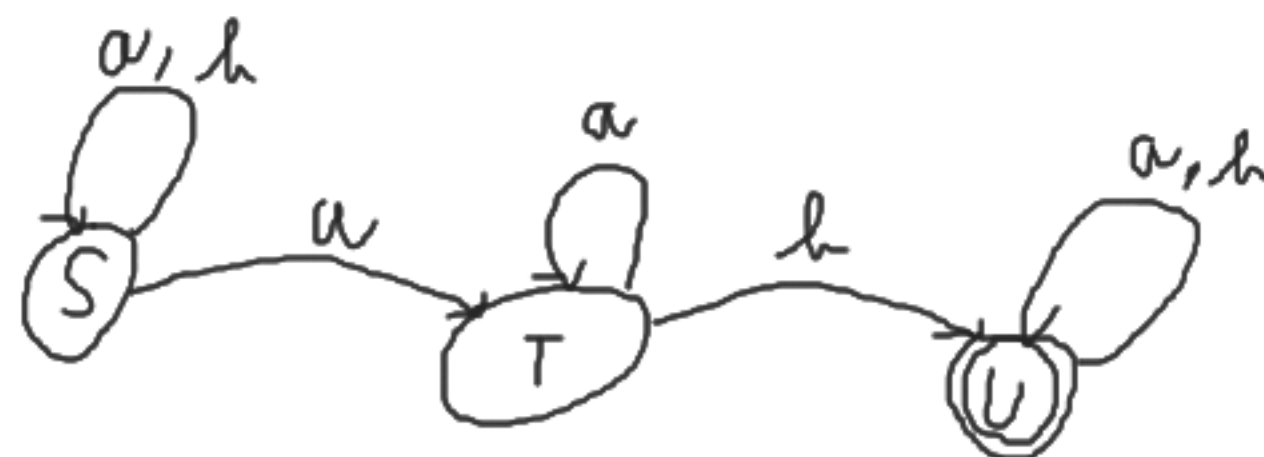
$S \rightarrow 0S11S10S11S2$
 $S1 \rightarrow 1$
 $S2 \rightarrow 0$

obsahuje podslovo ab, slovo je z $\{a, b\}^*$

aab babba

bbbab aaX

ab



$S \rightarrow aS \mid bS \mid aT$

$T \rightarrow aT \mid bU$

$U \rightarrow aU \mid bU \mid \epsilon$

==

$S \rightarrow aS \mid bS \mid abT$

$T \rightarrow aT \mid bT \mid \text{epsilon}$

DU: záporné čísla delitelné 5 -
regulární gramatika

Dobrovolná DU: regulární výraz na
emailovou adresu