Lecture 30: Closure properties of CFL; basics of Turing Machines

1 = {on 1 2 1 1 > 0} not a CFL
If Lisa CFL k= 2#NT in CNF 9
wel, wyk
ω= u.v.x.y.z vxy ≤ k
12131
Viso uviryizeL
$ \begin{array}{llllllllllllllllllllllllllllllllllll$
L. n Lz = {onin 2n n 20}
S3 → S4 →
$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Subst: $0 \rightarrow L_0$ $1 \rightarrow L_1$
1 → L ₁

Turing Machine Head Turing Machine $\downarrow \rightarrow \downarrow \rightarrow R$, \leq
Turing Machine $ \downarrow \qquad \downarrow \qquad$
0/ b, L Stack
1011> 1100
[011 110]
000106001 10
10/010/1/010/00000

Lecture 31: More on Turing Machines; acceptance by TM; TM configs

