

# Longest Palindromic Subsequence

t t b t c t c b t → 7

0 1 2 3 4 5 6 7 8  
 t t b t c t c b t  
 L R

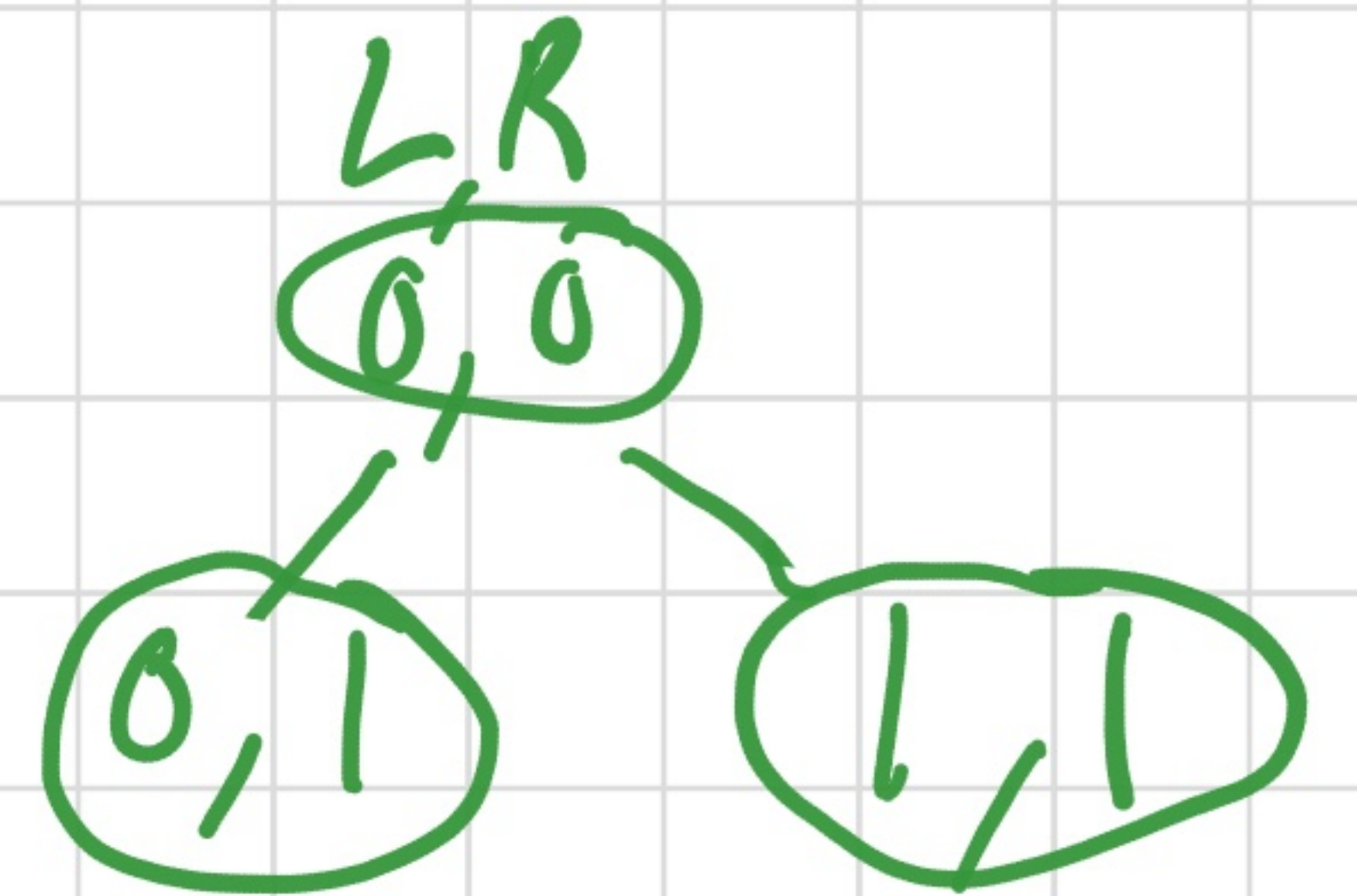
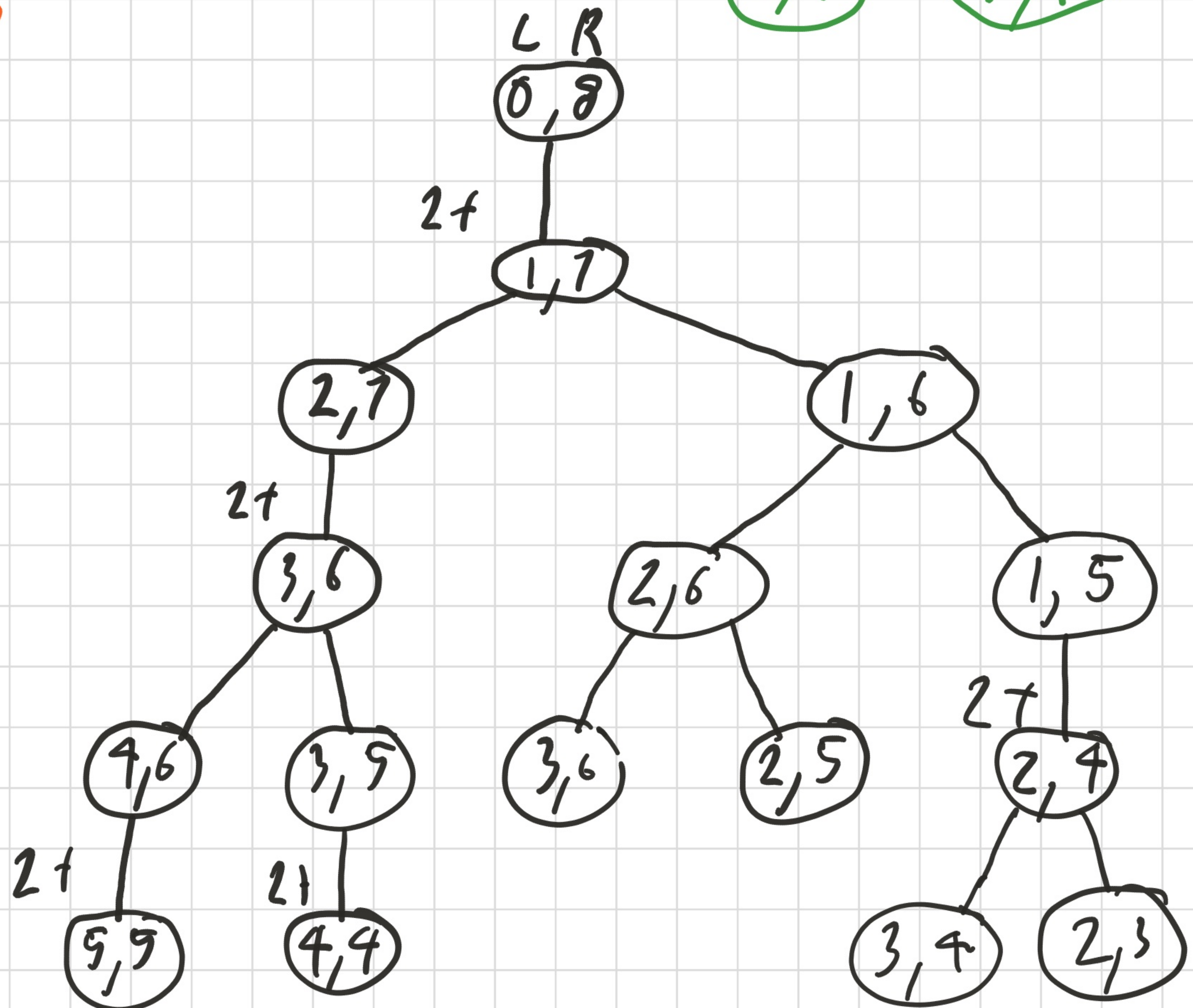
a → 1

a a → 2

a b → 1

a b a  
 2  
 3

a b c  
 2  
 2





# Longest Palindromic Subsequence

t t b t c t c b t → 7

0 1 2 3 4 5 6 7 8

t t b t c t c b t

L

R

R →

L ↓			0	1	2	3	4	5	6	7	8
	0		0	1	2	2	3	3	5	5	7
	1		1		1	3	3	3	3	5	7
	2				1	1	1	3	3	5	5
	3					1	1	3	3	3	5
	4						1	1	3	3	3
	5							1	1	1	3
	6								1	1	1
	7									1	1
	8										1

- factors?

↳ left and right pointers

$N^2$

chars don't match  max()

chars do match  +2