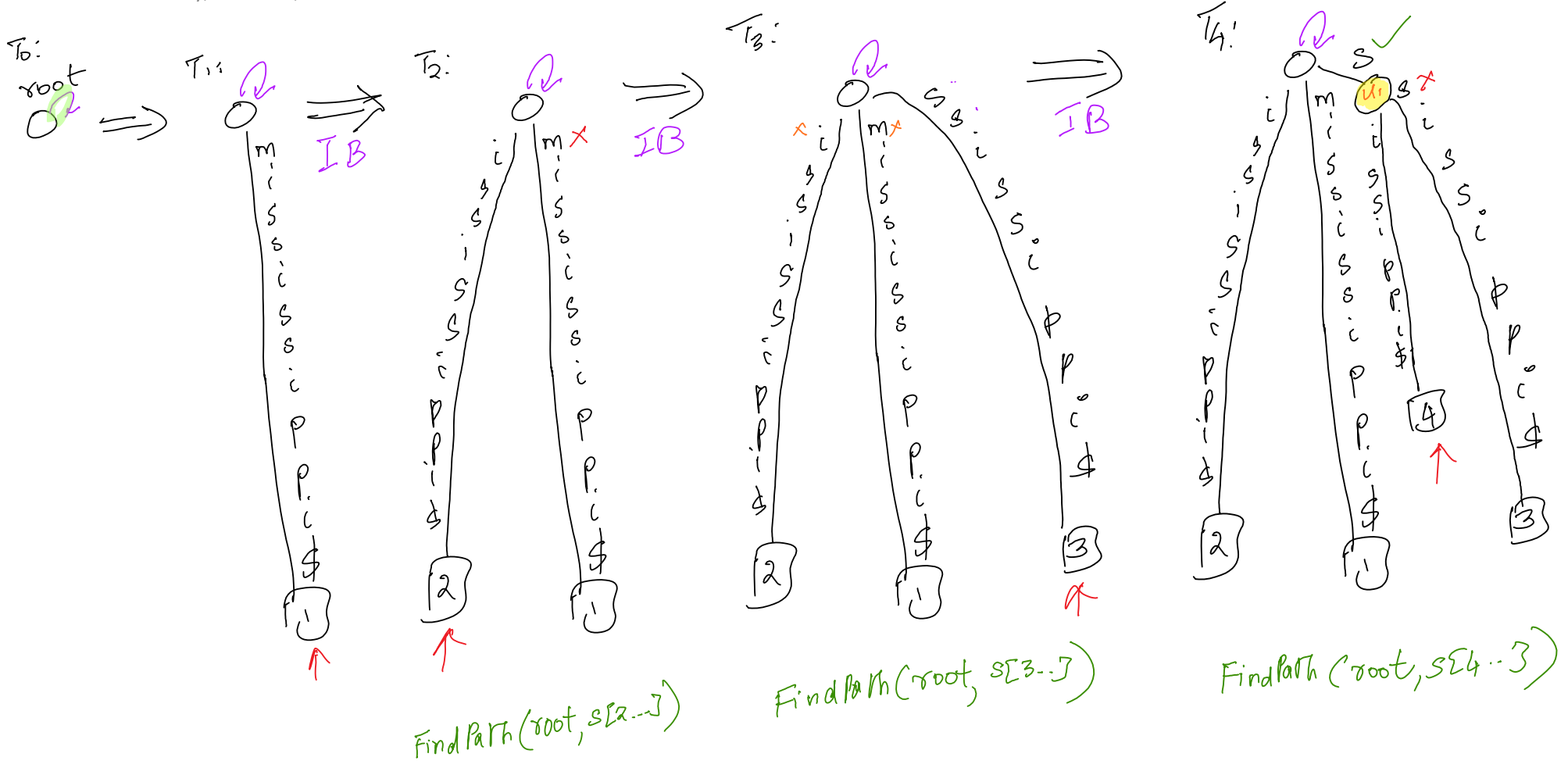


Examples (McCreight's algorithm)

Friday, March 12, 2021 10:11 AM

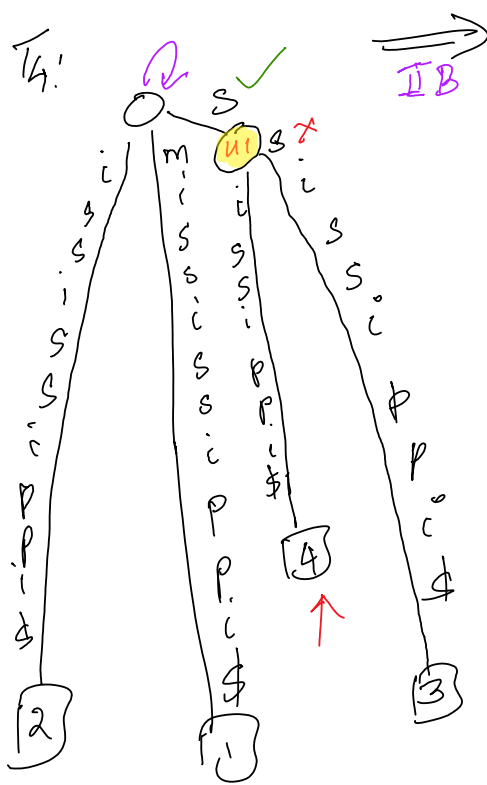
1 2 3 4 5 6 7 8 9 10 11 12
 $S = \text{mississippi} \$$



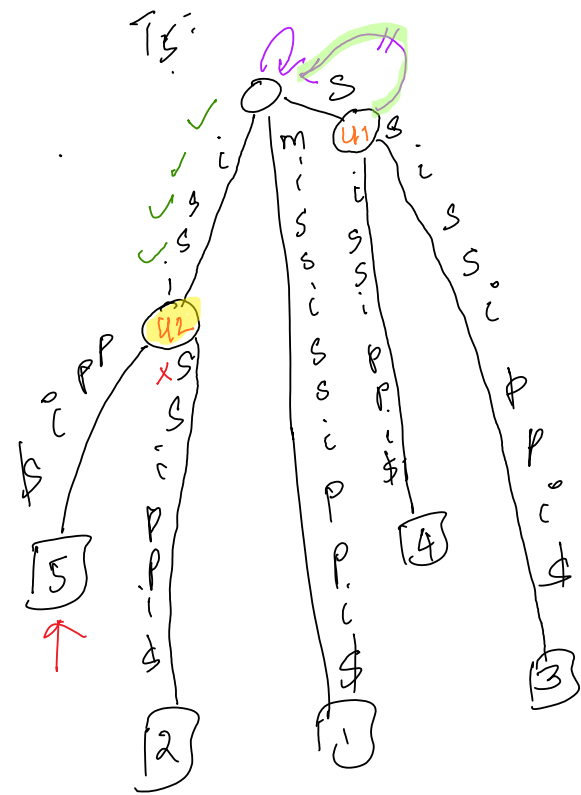
Examples (McCreight's algorithm)

Friday, March 12, 2021 10:11 AM

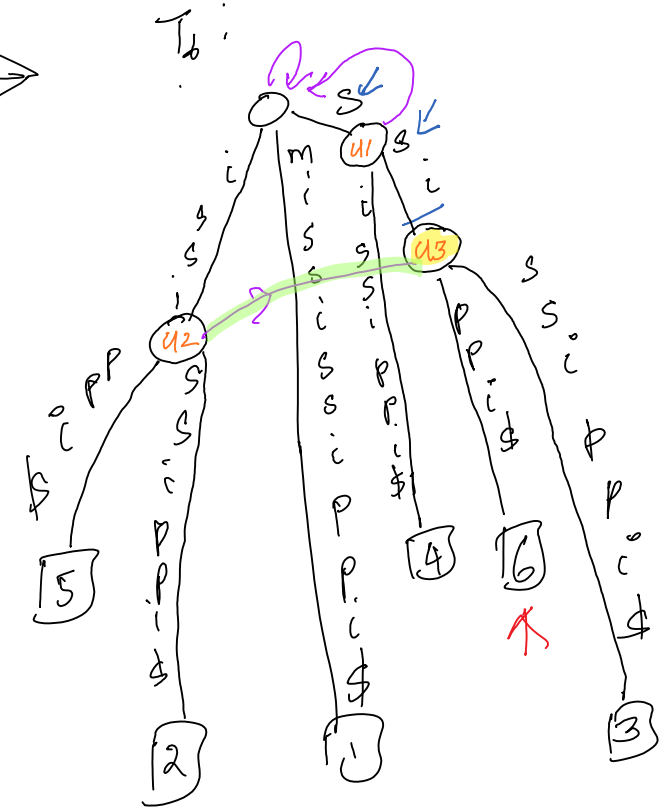
1 2 3 4 5 6 7 8 9 10 11 12
 $S = m i s s i s s i p p i \$$



IB



IB



$\beta = s$
 $\beta' = \text{NULL}$

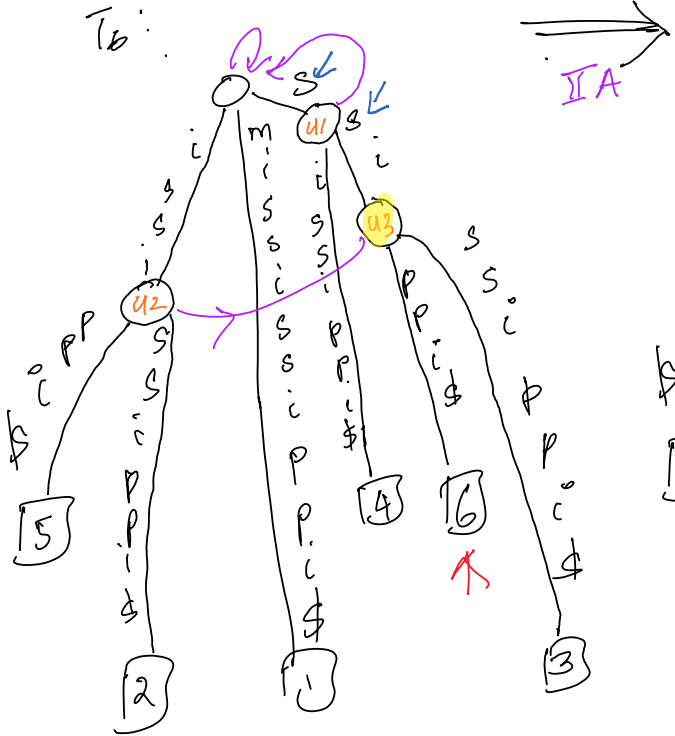
$\text{NodeHops}(\text{root}, \beta' = \text{NULL})$
 $\rightarrow \text{FindPath}(\text{root}, S[5 \dots])$

$\text{NodeHops}(\text{root}, \beta' = \text{ssi})$
 $\text{FindPath}(u3, S[9 \dots])$

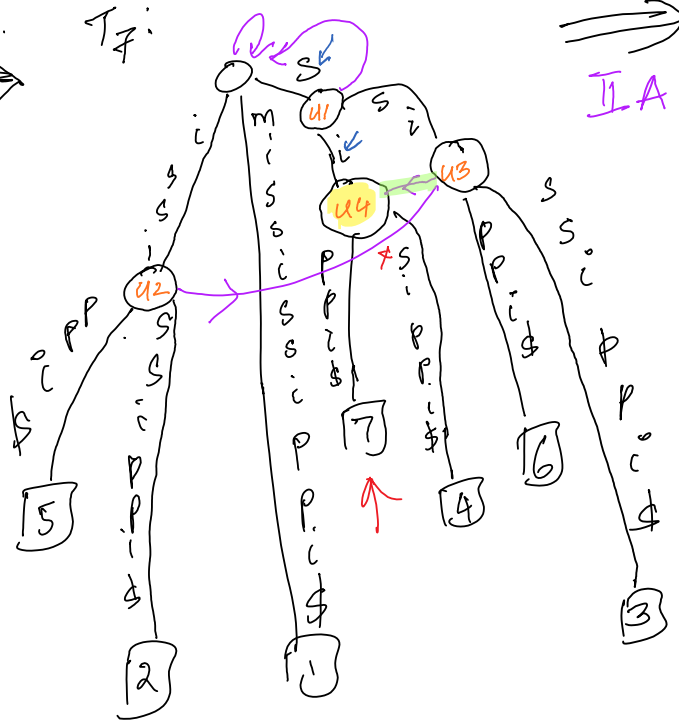
Examples (McCreight's algorithm)

Friday, March 12, 2021 10:11 AM

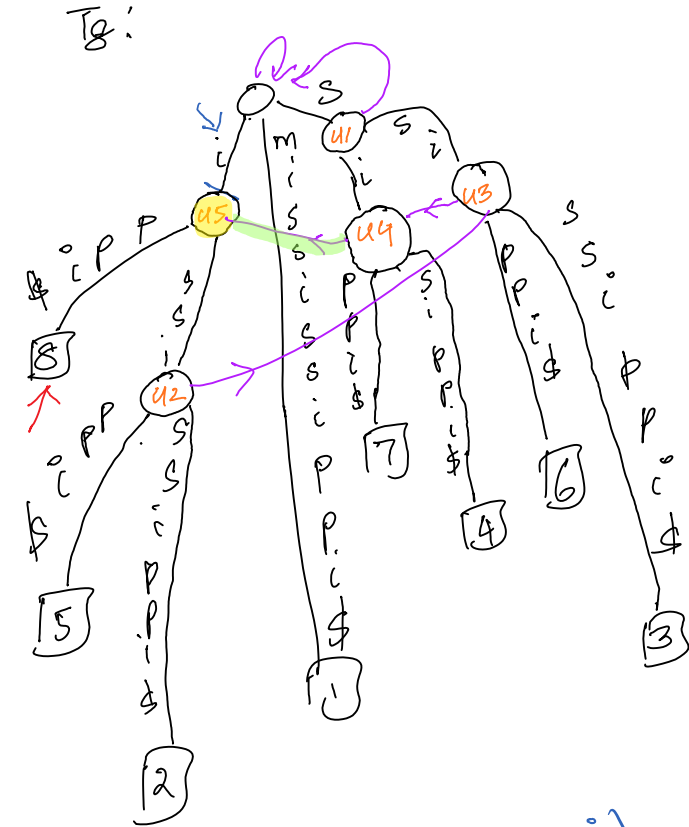
1 2 3 4 5 6 7 8 9 10 11 12
 $S = \text{mississippi}$



IIA



IIA



$\beta = si$
 Node Hops (root, $\beta = si$)
 Find Path ($u_4, s[9..]$)

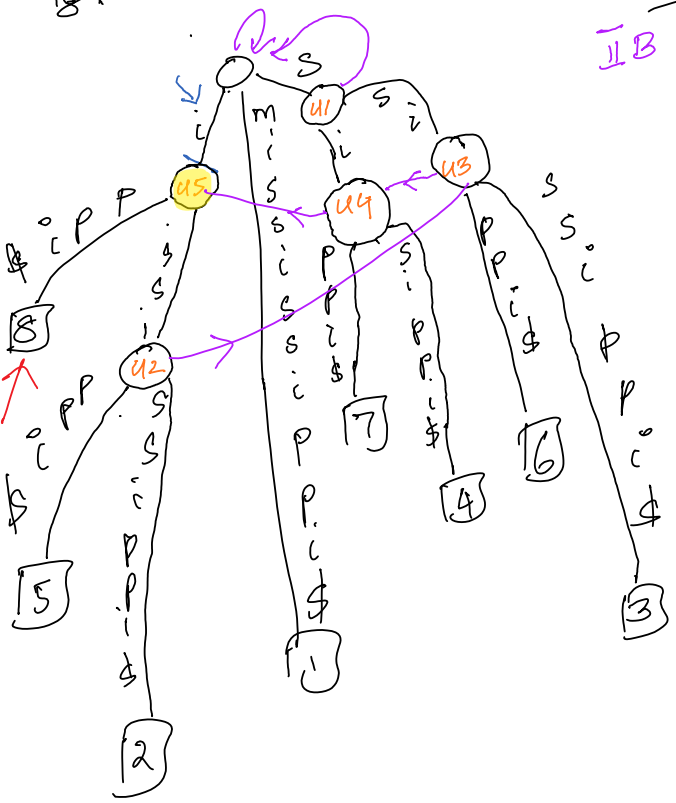
$\beta = i$
 Node Hops (root, $\beta = i$)
 Find Path ($u_5, s[9..]$)

Examples (McCreight's algorithm)

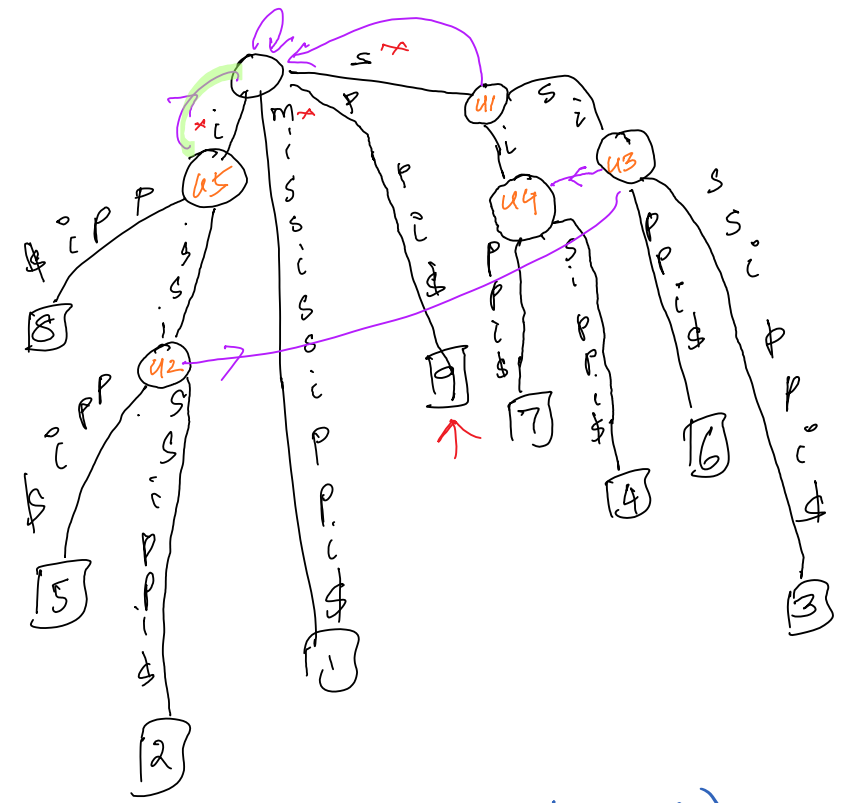
Friday, March 12, 2021 10:11 AM

1 2 3 4 5 6 7 8 9 10 11 12
 S = m i s s i s s i p p i \$

Tg:



Tq:



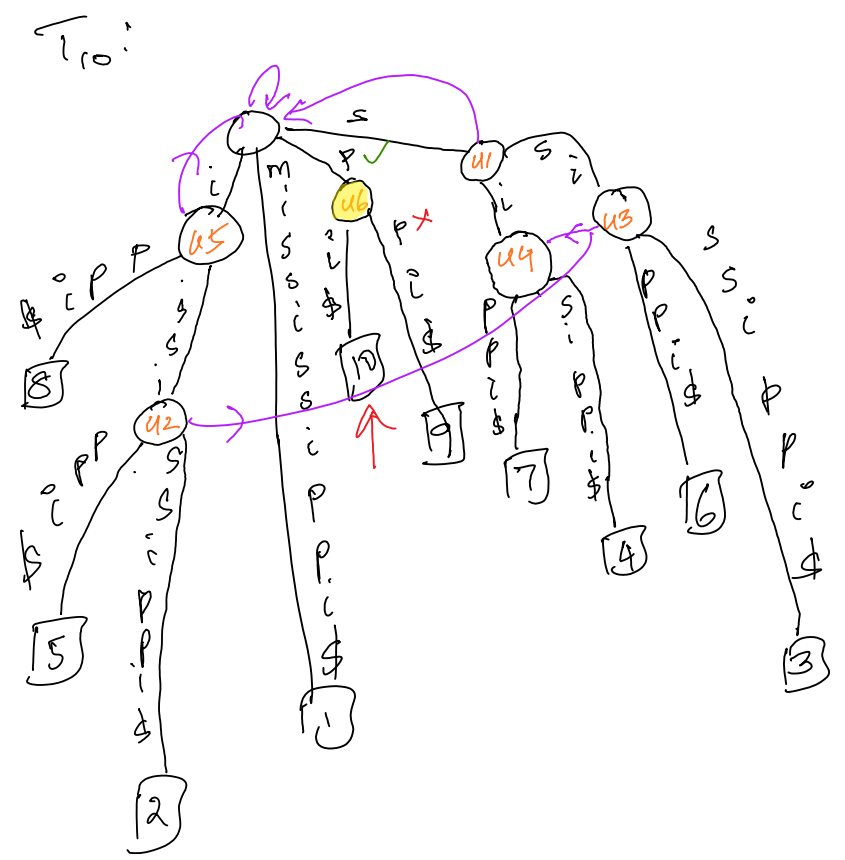
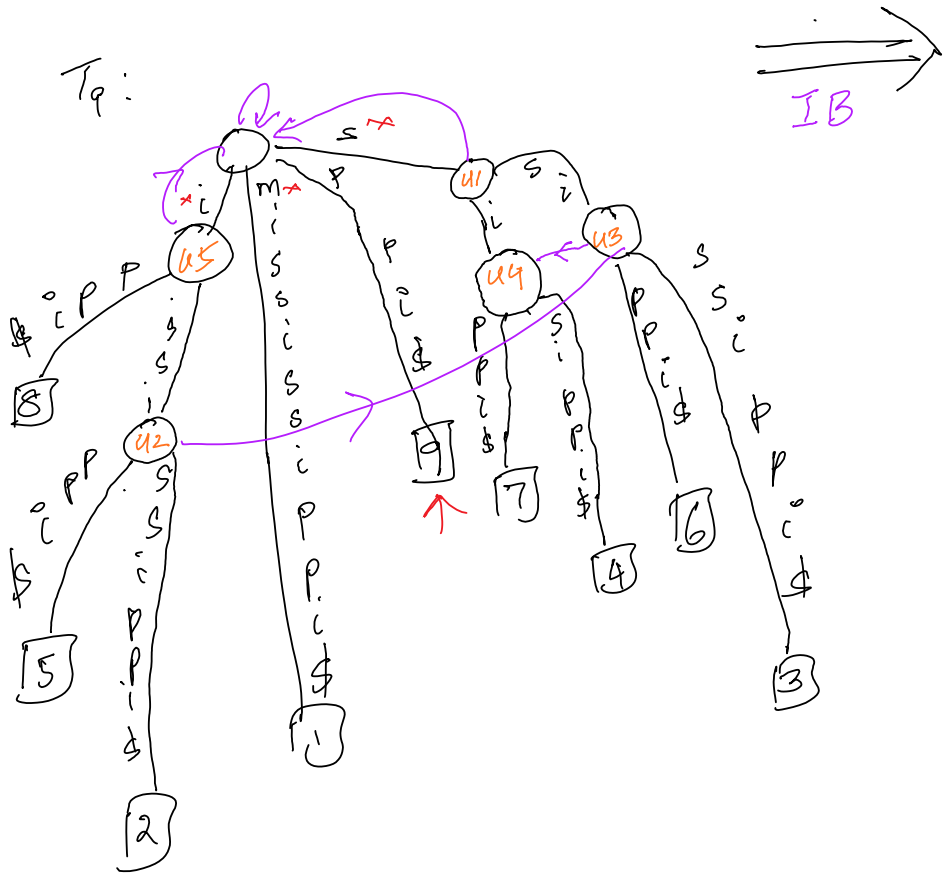
B = i
 B' = NULL

Node Hops (root, B' = NULL)
 Find Path (root, S[9..3])

Examples (McCreight's algorithm)

Friday, March 12, 2021 10:11 AM

1 2 3 4 5 6 7 8 9 10 11 12
 S = m i s s i s s i p p i \$

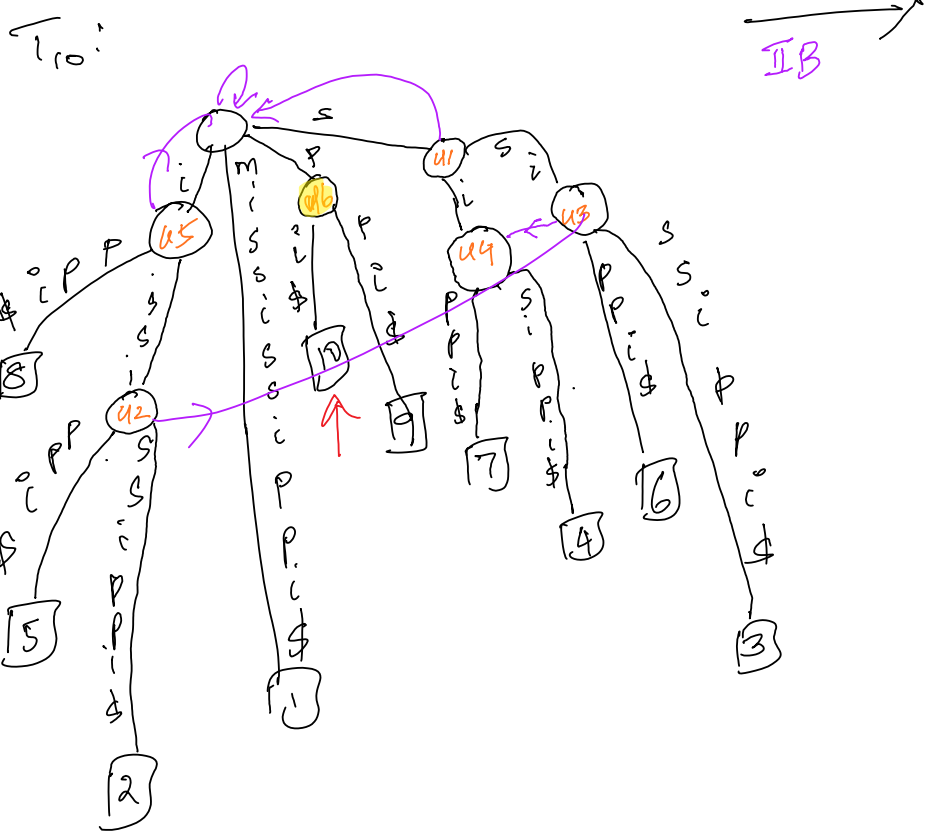


Find Path (root, S[10..])

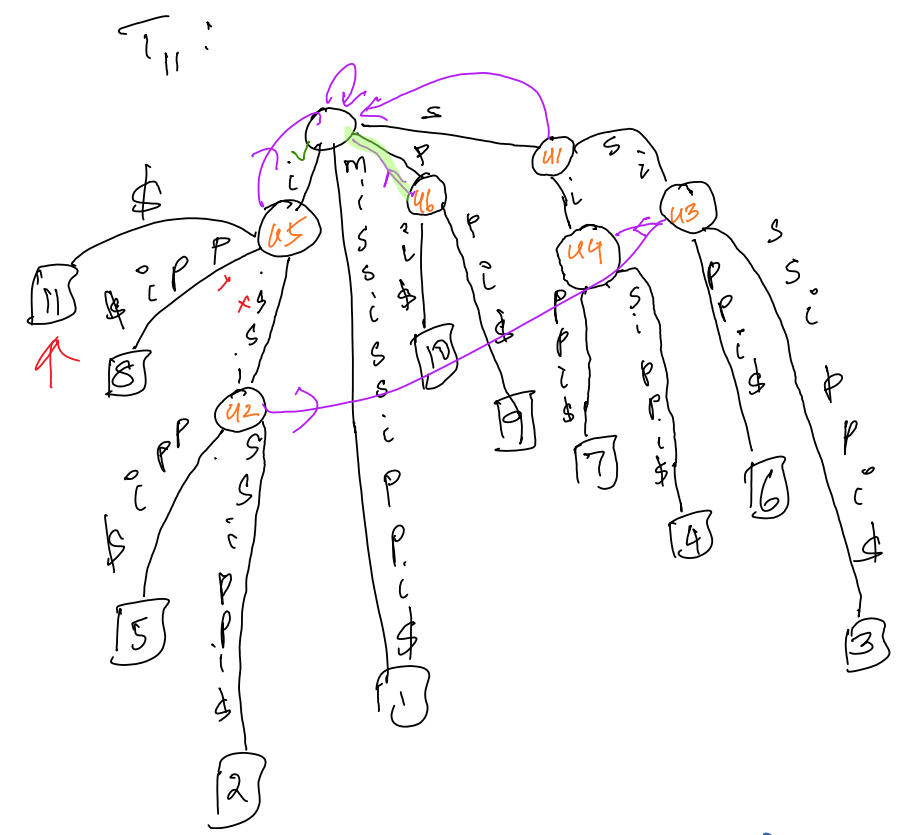
Examples (McCreight's algorithm)

Friday, March 12, 2021 10:11 AM

1 2 3 4 5 6 7 8 9 10 11 12
 S = m i s s i s s i p p i \$



\Rightarrow
 IB



$\beta = p$
 $\beta' = \text{NULL}$

Node Hops ($\alpha \text{root}, \beta' = \text{NULL}$)
 Find Path ($\alpha \text{root}, s[11..12]$)

Note: I am not showing the last iteration to insert the last suffix ($\$$).