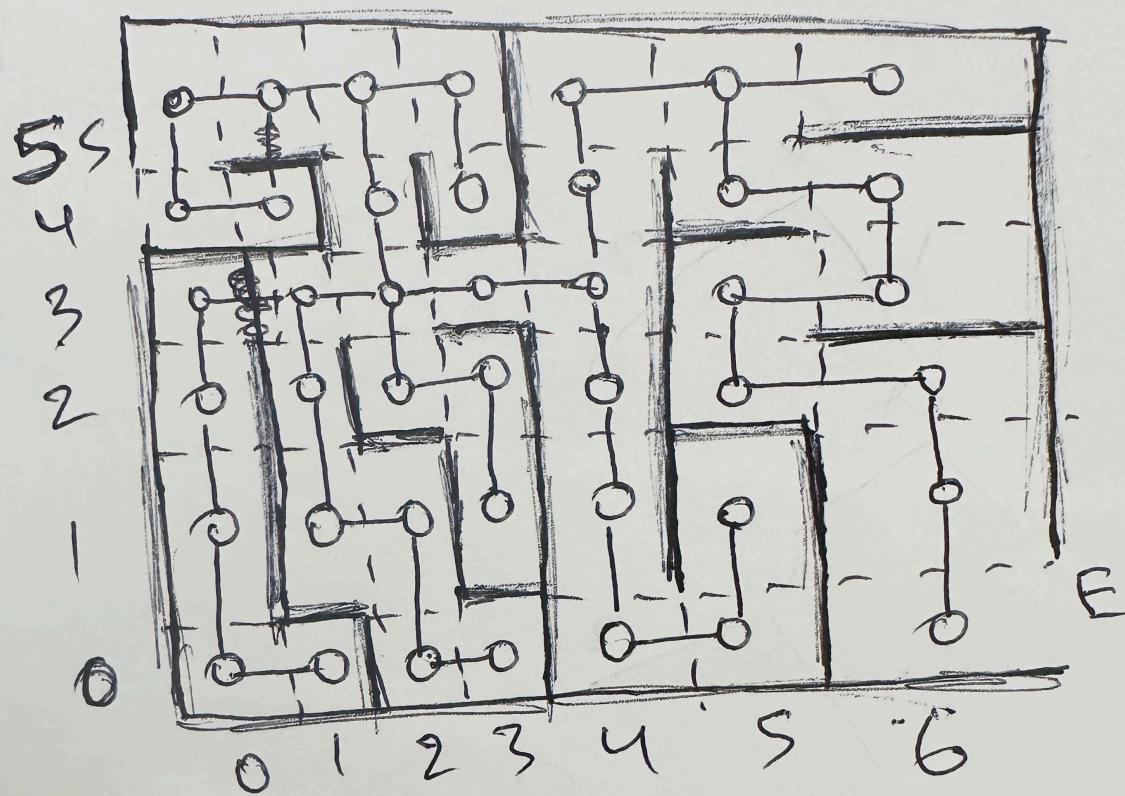
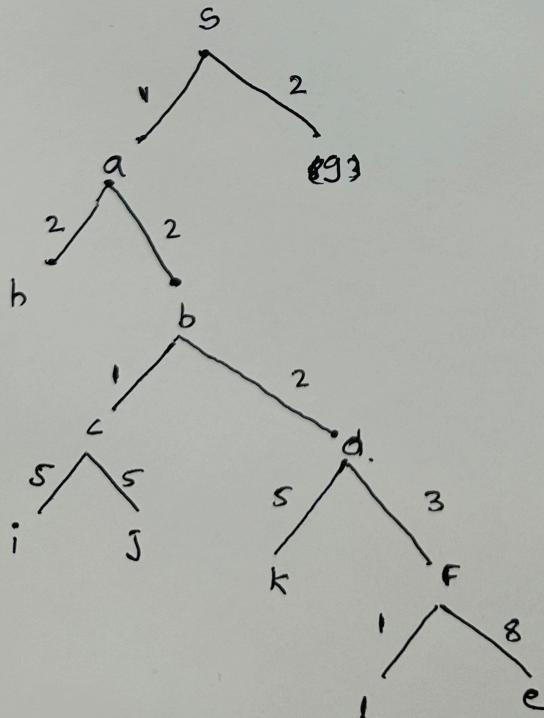
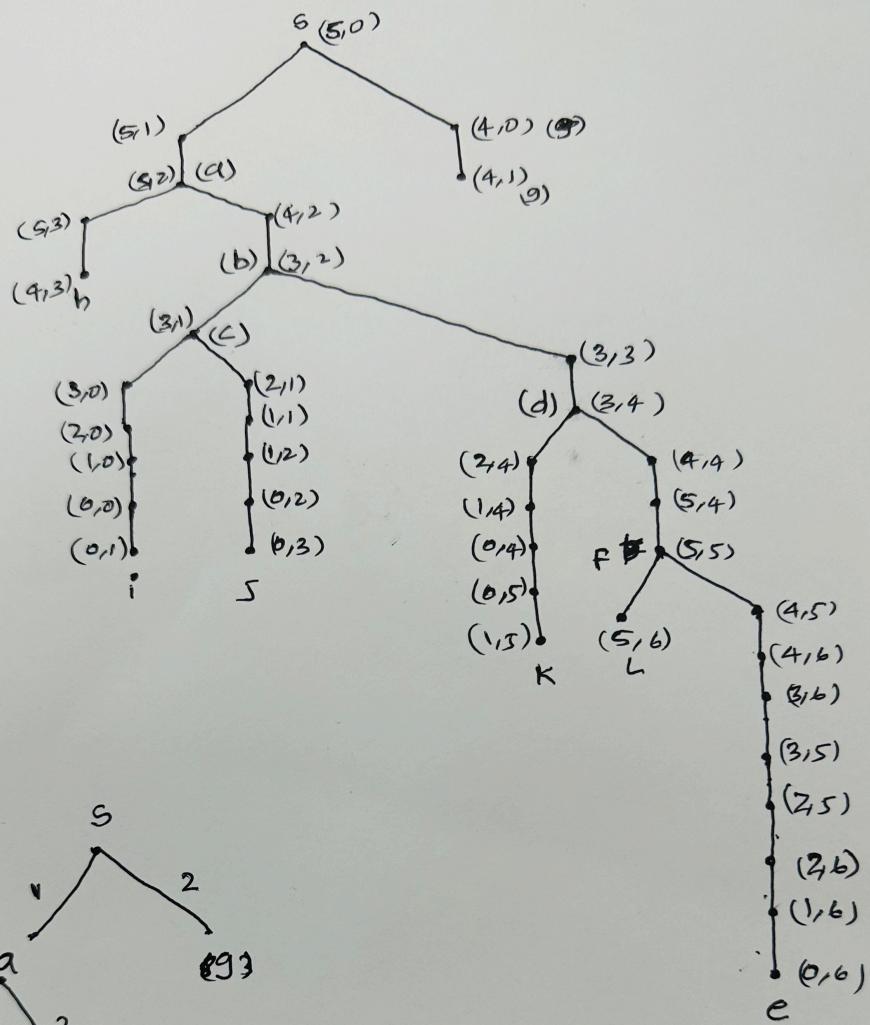


WEEK-11-Q2





BFT
Infix

	s	a	g	h	b	c	d	i	j	k	f	l	e
Visited	0	0	0	0	0	0	0	0	0	0	0	0	0

Queue:

Step 2: Add s to queue and mark visited

	s	a	g	h	b	c	d	i	j	k	f	l	e
Visited	1	0	0	0	0	0	0	0	0	0	0	0	0

Queue 1:

Step 3

Remove s from queue, Print s

	s	a	g	h	b	c	d	i	j	k	f	l	e
Visited	1	0	0	0	0	0	0	0	0	0	0	0	0

Queue:

Print s

Step 4:

Add s adjacent nodes to queue and mark visited

	s	a	g	h	b	c	d	i	j	k	f	l	e
Visited	1	1	1	0	0	0	0	0	0	0	0	0	0

Queue: a g

Print s

Step 5: Remove a from queue, print a, add a adjacent nodes to queue and mark visited.

s	a	g	h	b	c	d	i	j	k	f	l	e
Visited	1	1	1	1	1	0	0	0	0	0	0	0

Queue: g h b

Print: s a

Step 6: Remove b from queue, print b, add b adjacent nodes to queue & mark visited.

s	a	g	h	b	c	d	i	j	k	f	l	e
Visited	1	1	1	1	1	1	1	0	0	0	0	0

Queue: g h c d

Print: s a b

Step 7: Remove c from queue, print c, add c adjacent nodes to queue and mark visited.

s	a	g	h	b	c	d	i	j	k	f	l	e
Visited	1	1	1	1	1	1	1	1	0	0	0	0

Queue: g h c d

Print: s a b c

Step 8: Remove d from queue, print d, add d adjacent nodes to queue and mark visited.

s	a	g	h	b	c	i	j	k	f	l	e	
Visited	1	1	1	1	1	1	1	1	1	1	0	0

Queue: g h c k f

Print: s a b c d.

Step 9: Remove f from queue, Print f, add f's adjacent nodes to queue
and mark visited

s	a	g	h	b	c	d	i	j	k	f	e
visited	1	1	1	1	1	1	1	1	1	1	1

Queue: g h c k l e

Print: s a b c d f

The continuous process goes on till the Queue is empty.

s	a	g	h	b	c	d	i	j	k	f	e
visited	1	1	1	1	1	1	1	1	1	1	1

Queue:

Print: s a b c d e f g h i j k l.