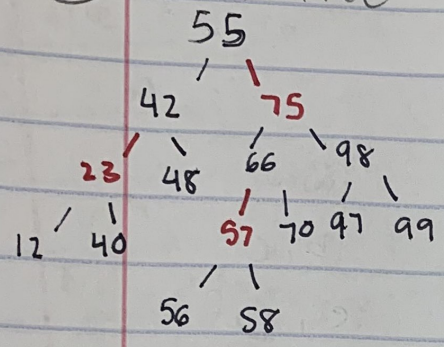
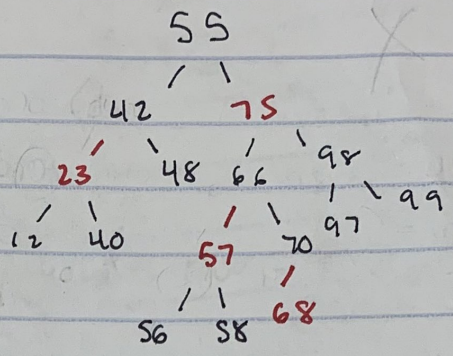
Molly Sandler
Lab 10b

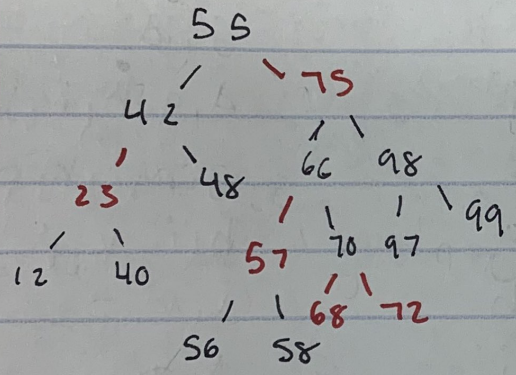
1) initial tree



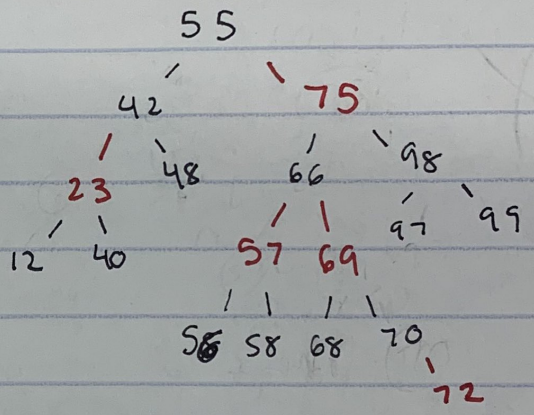
2) insert 68



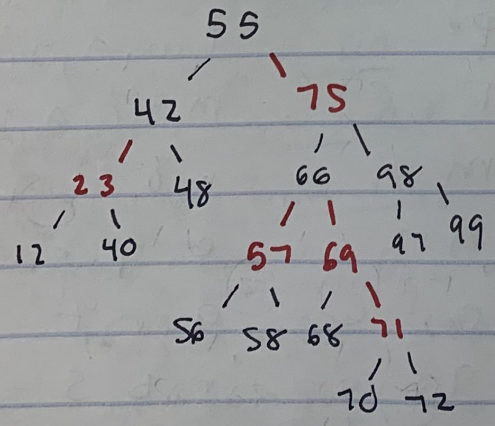
3) insert 72



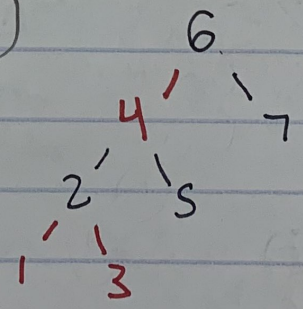
4) insert 69



5) insert 71



2)



(3) depth / breadth Graph traversals

a) breadth

order	Queue
A	b, g
b	g, c
g	c, h, l
c	h, l
h	l, i, m
l	i, m
i	m, d, e, j, n
m	d, e, j, n
d	e, j, n
e	j, n, f
j	n, f, k
n	f, k
f	k
k	-

b) breadth

order	Queue
a	b, e
b	e, s, f
e	c, f, j
c	f, j, d
f	j, d
j	d, g, h, i, k, p
d	g, h, i, k, p
g	h, i, k, p
h	i, k, p
i	k, p
k	p, l, m, n, o
p	l, m, n, o, q, r, t
l	m, n, o, q, r, t
m	n, o, q, r, t
n	o, q, r, t
o	q, r, t
q	r, t, s
r	t, s
t	s
s	-

a) a, b, g, c, h, l, i, m, d, e, j, n, f, k

b) a, b, e, c, f, j, d, g, h, i, k, p, l, m, n, o, q, r, t, s

a) depth

order	stack
a	gb
g	lhb
l	hb
h	micb
m	icb
i	njedcb
n	jedcb
j	kedcb
k	fedcb
f	edcb
e	dcb
d	cb
c	b
b	-

- a) a, g, l, h, m, i
  n, j, k, f, e, d, c, b

b) a, e, j, p, t, s, r, q, k
o, n, m, l, i, h, g, f, d, c, b

b) depth

order	stack
a	eb
e	jfcb
j	pkihgfcb
p	trq~~p~~kihgfcb
t	srq~~p~~kihgfcb
s	rq~~p~~kihgfcb
	~~rqpkihgfcb~~
r	q~~p~~kihgfcb
q	~~p~~kihgfcb
	~~kihgfcb~~
k	onmlihgfcb
o	nmlihgfcb
n	mlihgfcb
m	lihgfcb
l	ihgfcb
i	hgfcb
h	gfcb
g	fcb
f	dcb
d	cb
c	b
b	-