3/11)

a)insert(3)

3

insert(1)

3

1

Zig case

1

3

Insert(4)

3

1

4

Zig zig case

4

3

1

Insert(5)

5

3

1

4

Zig case

5

3

1

4

Insert(2)

3

4

5

1

2

Zig zig

3

1

2

4

5

Zig zag

2

3

1

4

5

Insert(9)

9

2

1

2

Zig zig

9

3

4

5

1

5

3

4

Insert(6)

3

4

5

1

2

9

6

zig

3

4

5

1

2

6

9

Zig zig

3

6

4

5

1

2

9

Insert(8)

3

4

5

1

2

6

9

8

Zig zag

3

4

8

5

9

1

2

6

Delete(3)

8

8

4

5

6

9

1

2

8

Delete(3)

9

4

5

6

8

1

2

3

zig

9

4

5

6

1

2

3

Zig zag

4

5

3

1

2

9

6

Zig zig

9

3

4

5

1

2

6

8