QUESTION 1)

A) FOR AVL

INSERTION

23

23 36

36 23 52

36

23 52 45

36 23 52 45 61

52 36 61 23 45 78

52 36 61 23 45 57 78

52 36 61 23 45 57 78 29

DELETION

52 29 61 23 36 57 78

52 29 61 23 36 78

B) FOR 2-3

INSERTION

23

23-36

36 23 52

36 23 45-52

36 - 52 23 45 61

36 - 52 23 45 61-78

52 36 61 20 45 57 78

52 36 61 20-29 45 57 78

DELETION

52 36 61 20-29 45 57 78

52 29 61 20 36 57 78

29 - 52 20 36 61-78

23

23-36

23-36-52

36 23 45-52

36 23 45-52-61

36 - 52 23 45 61-78

36 - 52 23 45 57-61-78

DELETION

36 - 52 23-29 45 57-61-78

29 - 52 23 36 57-61-78

29 - 52 23 36 61-78

29 - 52 23 36 78

QUESTION 2)

Linear Probing

- 1. 13
- 2. 25
- 3. 15
- 4. 28
- 5. 24
- 6.
- 7.
- 8.
- 9 9.
- 10.
- -11 11.
- 12. 12

Quadradic Probing

- 13 25 1.
- 2.
- 3. 28
- 4.
- 5.
- 6.
- 24 7.
- 8. 25
- 9.
- 10.
- 11. 11
- 12. 12

Seperate Chaning

- 1. 13
- 2.
- 15 28 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.
- 24 11. 11
- 12. 12 25