Chapter 20 written

**20.1:** 0 to 10

**20.2:** probing table size is 23

**20.3:** deletion is performed in both probing and separate chaining hash tables by using Lazy deletion where there is no physical removal of data from the hash table.

**20.5:**

**a.**

Index Input

0 9679

1 4371

2 1989

3 1323

4 6173

5 4344

6

7

8

9 4199

**b.**

Index Input

0 9679

1 4371

2

3 1323

4 6173

5 4344

6

7

8 1989

9 4199

**C.**

Index Input

0

1 4371

2

3 1323 -> 6173

4 4344

5

6

7

8

9 4199 -> 9679 -> 1989

**20.6:** 4371 %23

Index input

0

1 4371

2

3

4

5

6

7

8

9 6173

10

11 1989

12 1323

13 4199

14

15

16

17

18

19 9679

20 4344

21

22