## Theory7

1.

(1)(a)

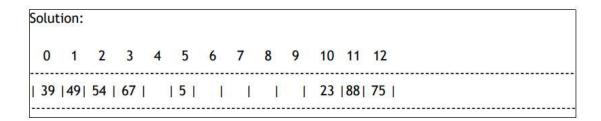
**Solution:** O(n)

**Solution:** O(n/m)

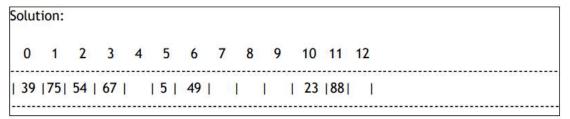
(2)(b)

```
Solution:
0 | 39 |
1 | NULL |
2 | 54 |--> | 67 |
3 | NULL |
4 | NULL |
6 | NULL |
  NULL
8 | NULL |
9 I NULL I
   10 | 23 | --> | 88 | --> | 75 | --> | 49 |
11 | NULL |
12 | NULL |
```

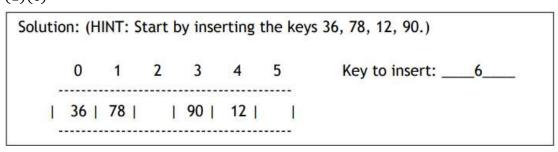
(2)(c)



(1)(d)



(1)(e)



2.

(1)(a)

**Solution:** 该表的负载因子为 15105/3021=5; 负载因子告诉有关最长链的平均大小。

(2)(b)

Solution: "abc","bac"