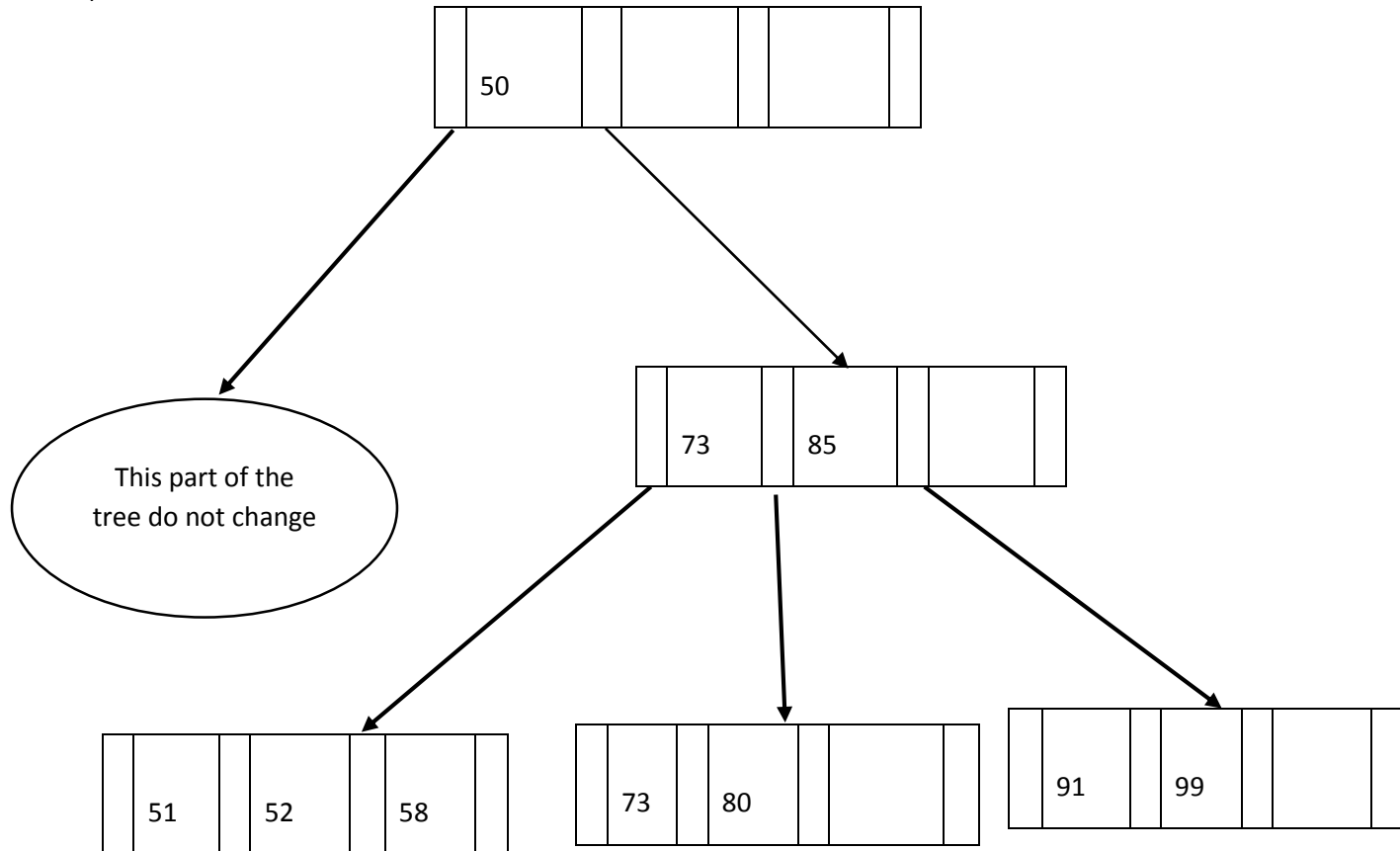


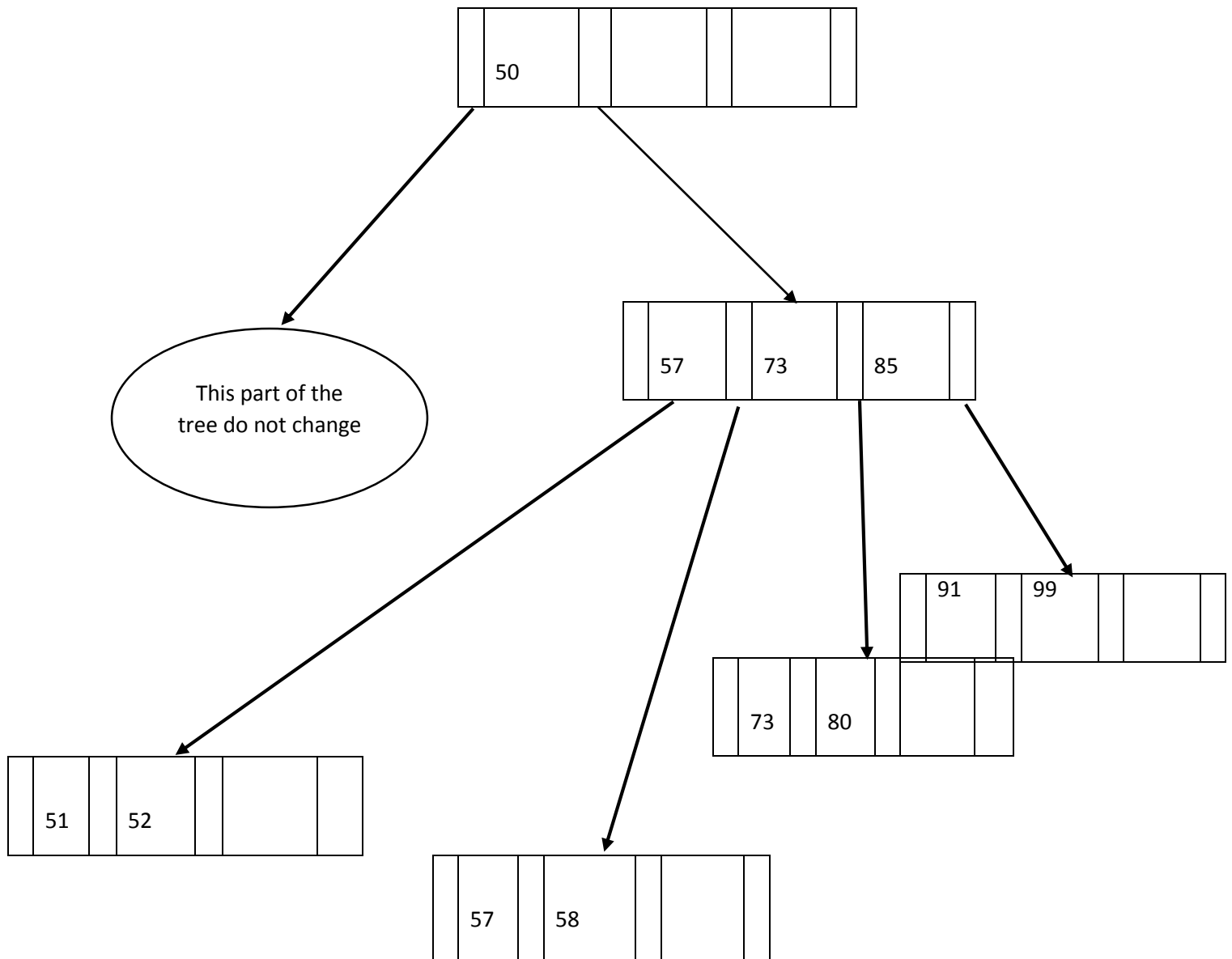
# DATABASE SYSTEMS

## Home Work Assignment-II

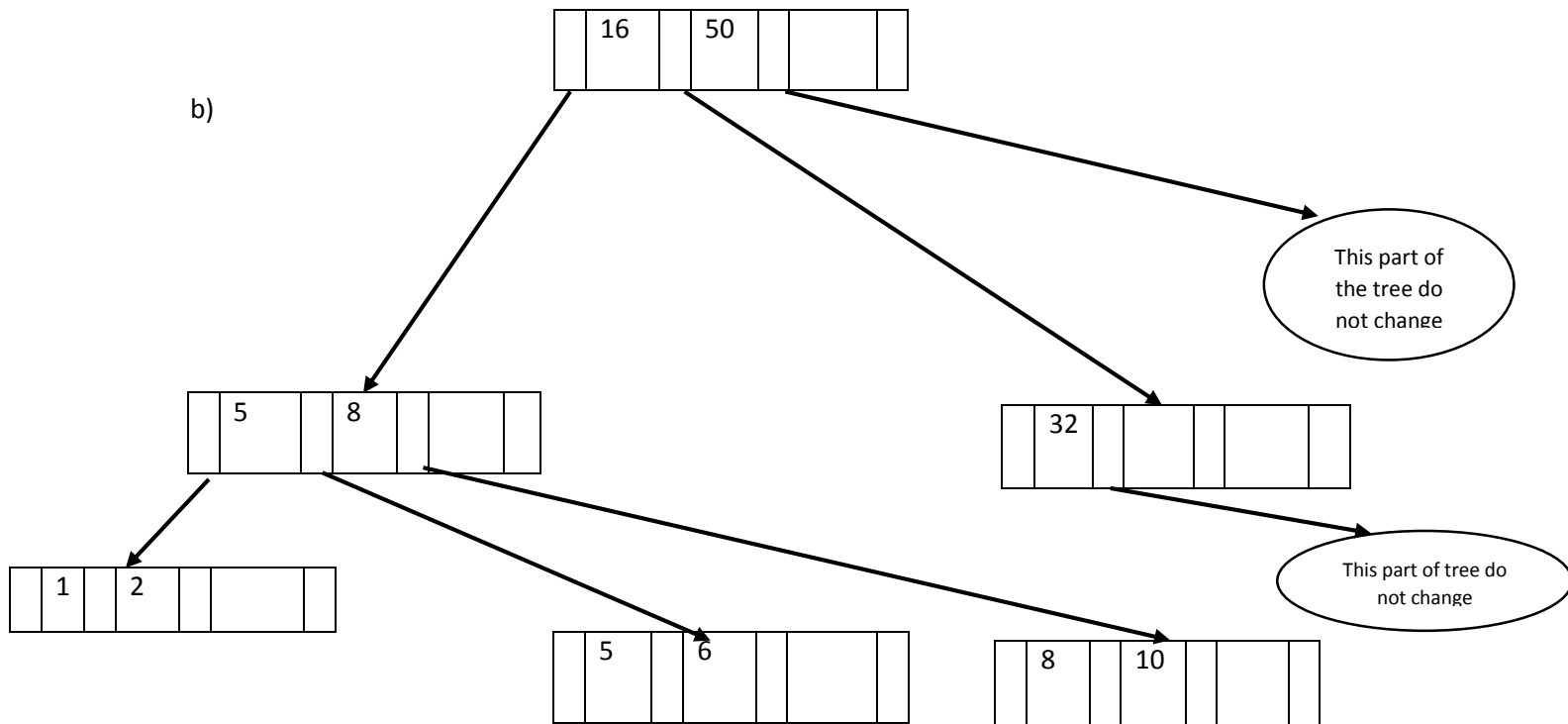
Problem 1:

a)

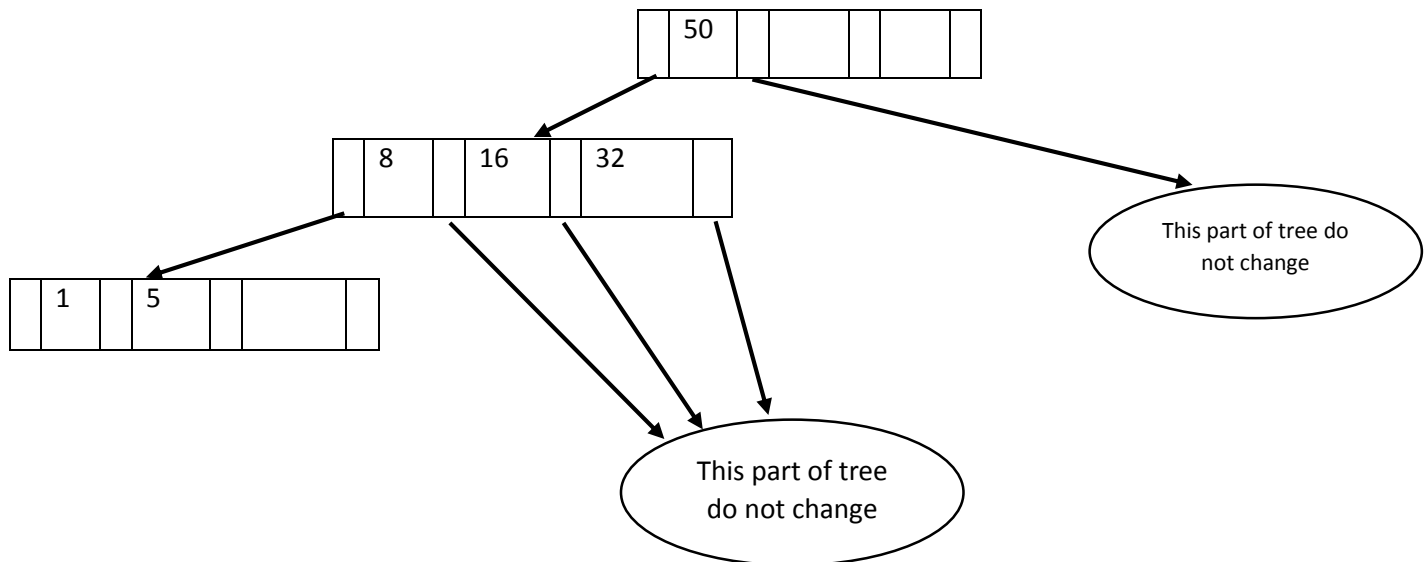




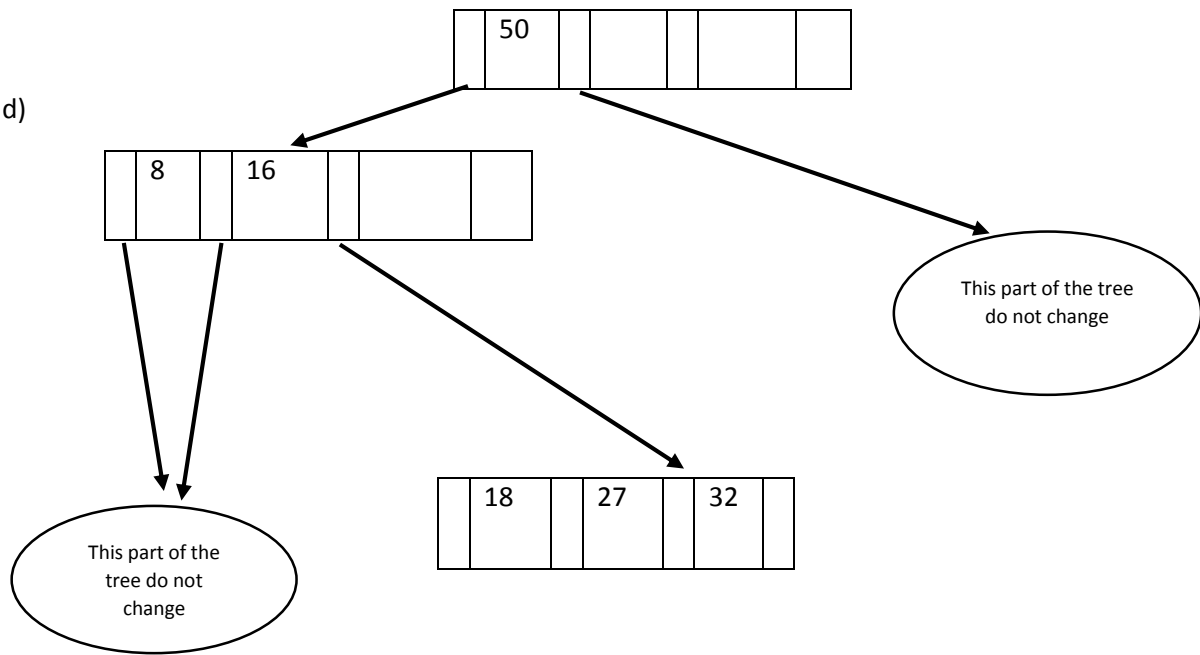
b)



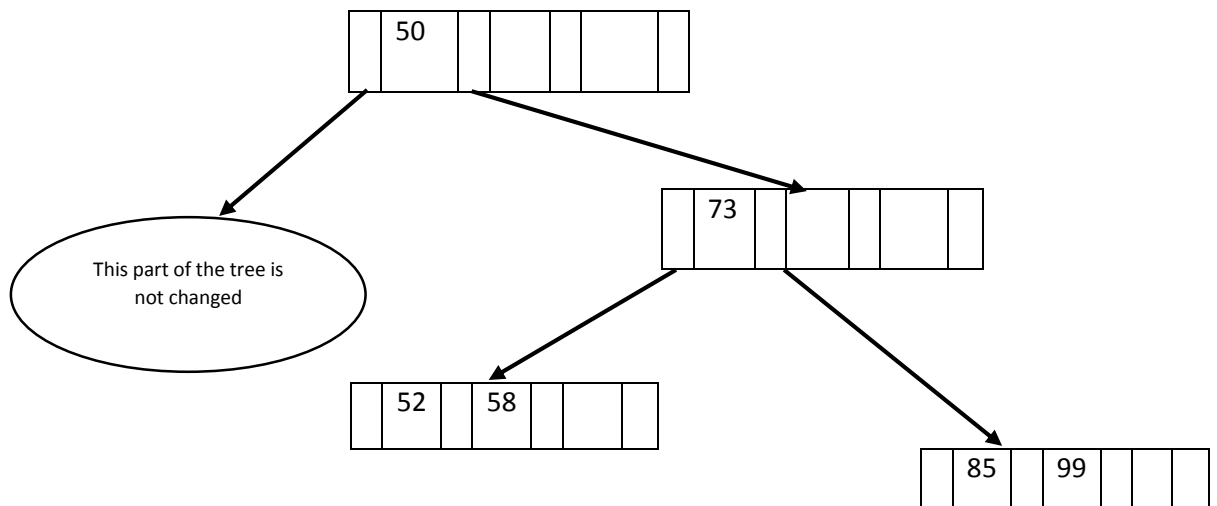
c)



d)



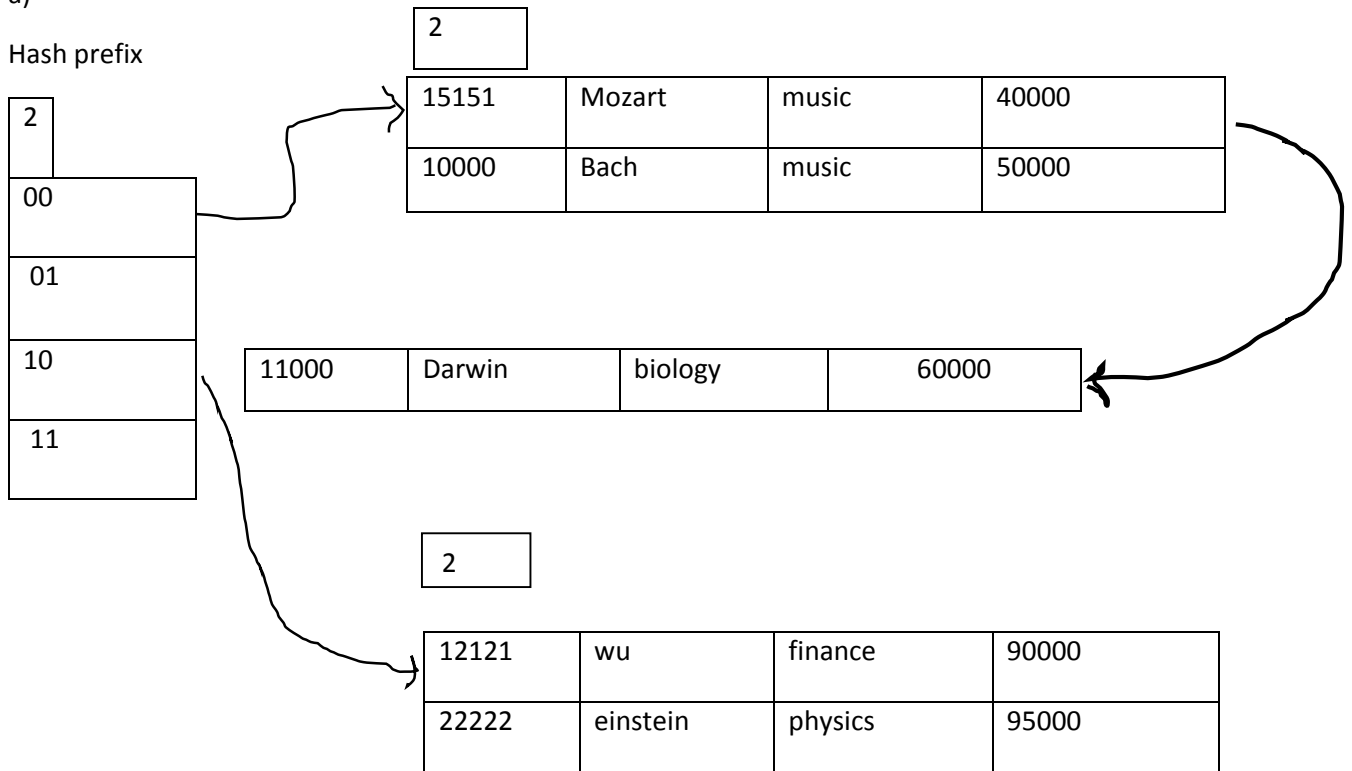
e)



Problem 2:

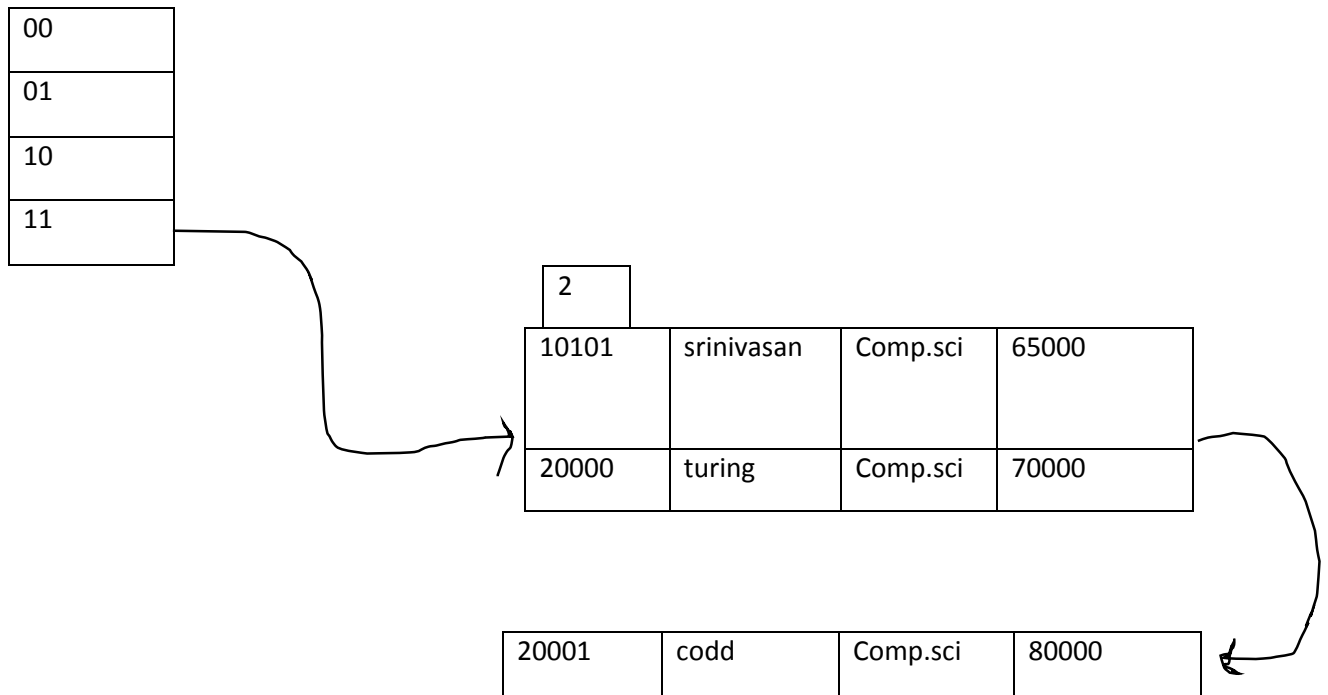
a)

Hash prefix



b) Hash prefix

2
---



Problem 3:

a) Create table branch(  
branch\_name varchar(255),  
branch\_city varchar(255),  
assets float(255,5),  
primary key(branch\_name));

Create table customer(  
Customer\_id int,  
Customer\_name varchar(255) NOT NULL,  
Customer\_street varchar(255),

```
Customer_city    varchar(255),  
Primary key(customer_id));
```

```
Create table account(  
account_number  varchar(255),  
branch_name     varchar(255),  
balance         float(255,5),  
primary key(account_number));
```

```
Create table depositor(  
Customer_id int,  
Account_number varchar(255),  
Primary key(customer_id,account number)  
Foreign key(customer_id)references customer(customer_id));
```

```
b)  
select c.customer_city from (customer c  
inner join depositor d on c.customer id= d.customer id)  
inner join account a on d.account number=a.account  
where a.balance>300000;
```