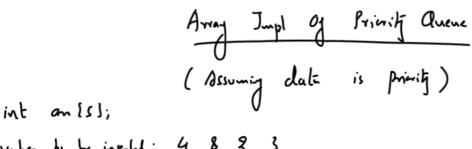


```
struct PQueue
{
  int data;
  struct PQueue *next;
  int pr;
};
void insert(struct PQueue**,int,int);
void display(struct PQueue *);
int main()
{
  struct PQueue *start=NULL;
  insert(&start,10,4);
  insert(&start,5,8);
  insert(&start,11,7);
  ....
  display(start);
  reurn 0;
}
```

```
void insert(struct PQueue**ps,int dt,int pt)
                                                            if(temp==NULL)
 struct PQueue *p,*temp,*prev;
 p=(struct PQueue *)malloc(sizeof(struct PQueue));
                                                               prev->next=p;
 if(p==NULL)
                                                               p->next=NULL;
  printf("Insufficient memory");
                                                            else if(temp!=*ps)
  return;
                                                            {
                                                              prev->next=p;
                                                              p->next=temp;
p->data=dt;
                                                            }
p->pr=pt;
                                                            else
if(*ps==NULL)
                                                              *ps=p;
   *ps=p;
                                                              p->next=temp;
   p->next=NULL;
  return;
 }
 temp=*ps;
 while(temp!=NULL && temp->pr<pt)
   prev=temp;
   temp=temp->next;
```

```
int del(struct PQueue**ps)
{
    struct PQueue *temp;
    if(*ps==NULL)
    {
        printf("Queue Underflow");
        return -1;
    }
    temp=*ps;
    int x=temp->pr;
    *ps=temp->next;
    free(temp);
    return x;
}
```

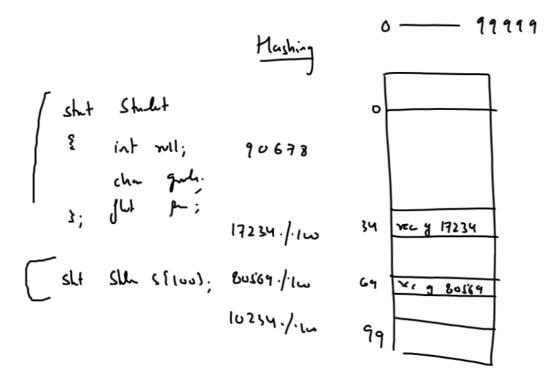


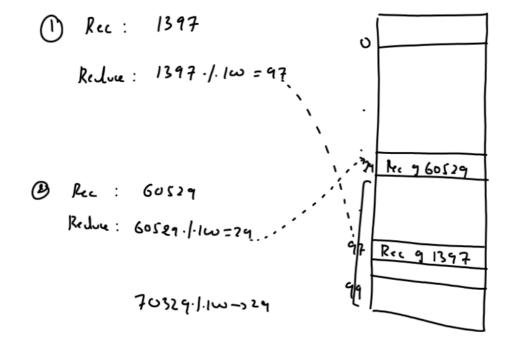
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while ( I )

index-t+;

if (index = = size)

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if (an lindar) = = -1)

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