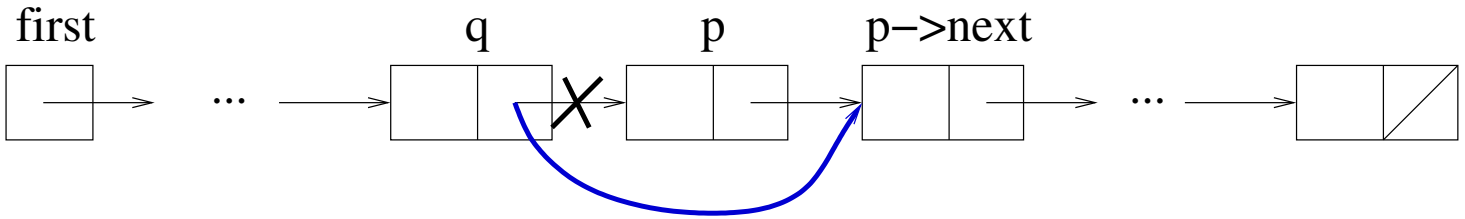
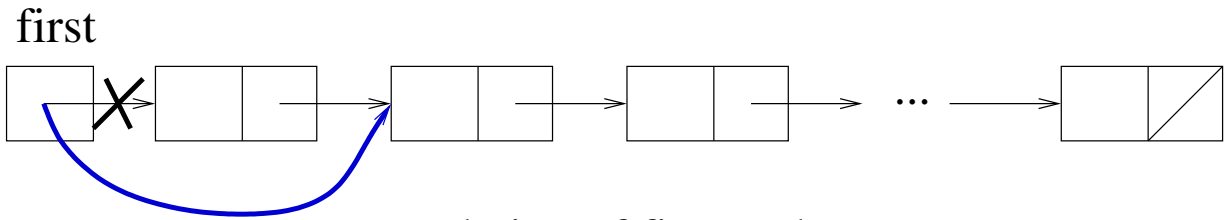
Operations on Linked Lists

Delete from a Linked List



Deletion a middle node



Deletion of first node

Operations on Linked Lists

Delete from a Linked List

```
struct node *deleteFromList(struct node *list, int n) {
    struct node *q = list, *p = list;

    if (p->info == n) {
        printf("%d is deleted from list\n", p->info);
        return list->next; // First element deleted
    }
    p = p->next; // Check other elements

    /*** Remain part of the code in next slide ***/
}
```

Operations on Linked Lists

Delete from a Linked List

```
while (p != NULL) {
    if (p->info == n) { // Element exists
        printf("%d is deleted from list\n", p->info);
        q->next = p->next;  // Set next of predecessor
        break;
    }
    q = p;
    p = p->next;
}
if (p == NULL)
    printf("%d does not exist, deletion not possible\n", n);
return list;
```