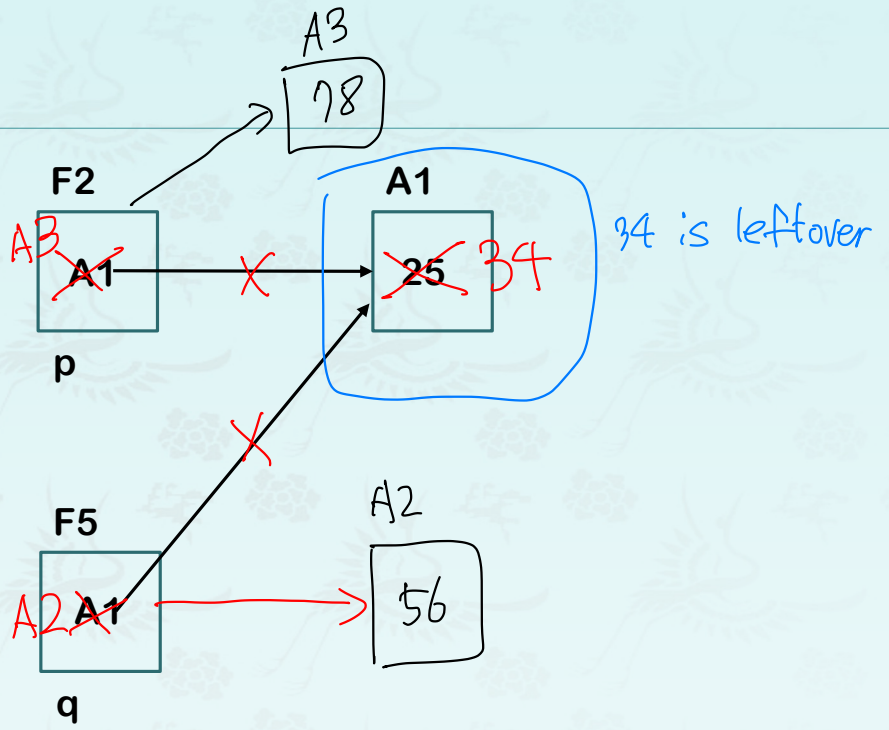
On my honor, I pledge that I have neither recieved nor provided improper assistance in the completion of this assignment – 21900112 김성빈

Pointer reviewed – Quiz

```
int* p = new int(25);
cout << *p << endl;
int* q = p;
cout << *q;
*q = 34;
q = new int(56); // keep this line
p = new int(78); // keep this line
delete p;
delete q;
```

Example 2

add "delete p;"



1. Complete the memory diagram based on the code above, as it is shown.
2. Then, add one line to fix a bug shown in the memory diagram.

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Pointers Linked – Quiz

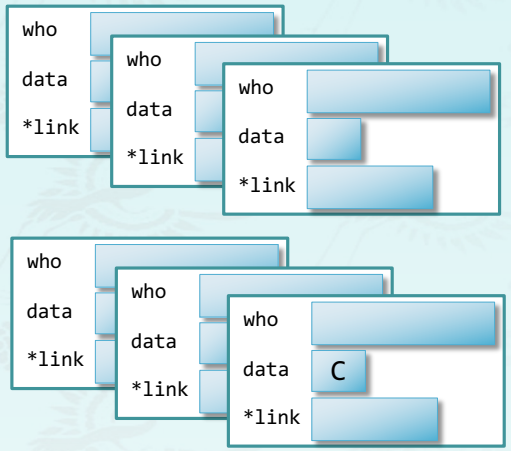
```
Link a, b and c nodes;
struct List {
        string who;
        char  data;
        List *link;
};

List a, b, c;
List *p, *q, *r;
```

```
p = &a; q = &b;
(1)        r = &c;
```

```
p->data = 'X'; q->data = 'Y';
(2)        r->data = 'Z';
```

```
p->link = q; q->link = r;
(3)        r->link = nullptr;
```



(1) Let each p, q, and r point to a, b, and c;
(2) Store each 'X', 'Y', and 'Z' in data using p, q, and r.
(3) Connect them using p, q and r as shown below: