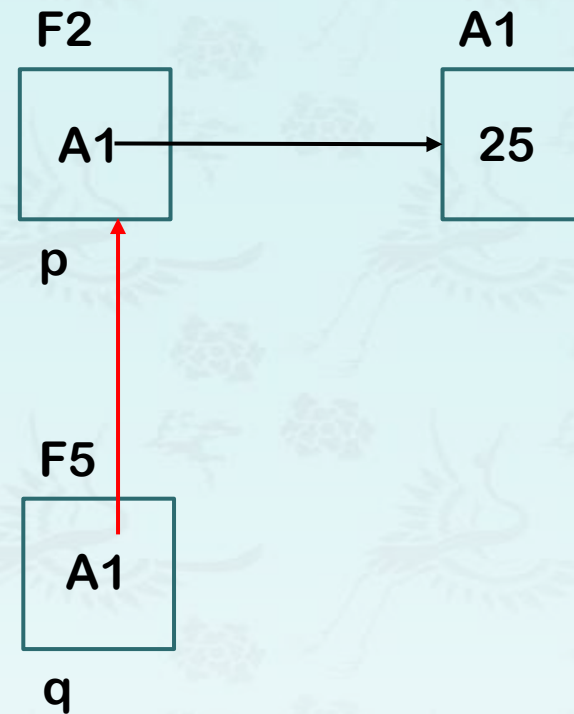# Pointer reviewed – Quiz

```
int* p = new int(25);
cout << *p << endl;          Example 2
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;
```

F2   **A1**

A1 ——————→ 25

p

F5

A1

q

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.

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;
```

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

(2)
a.data = 'A';
b.Data = 'B';
c.Data = 'C';

(3)
a.link = b.link = c.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:

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