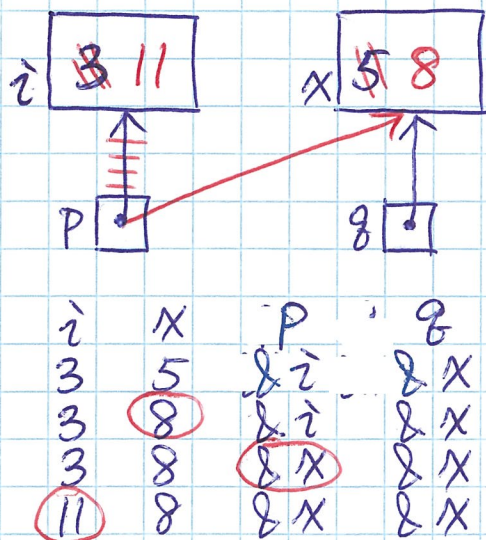


Section 5 Slide 20.

CQ3

```
int i = 3;
int x = 5;
int *p = &i;
int *q = &x;
```

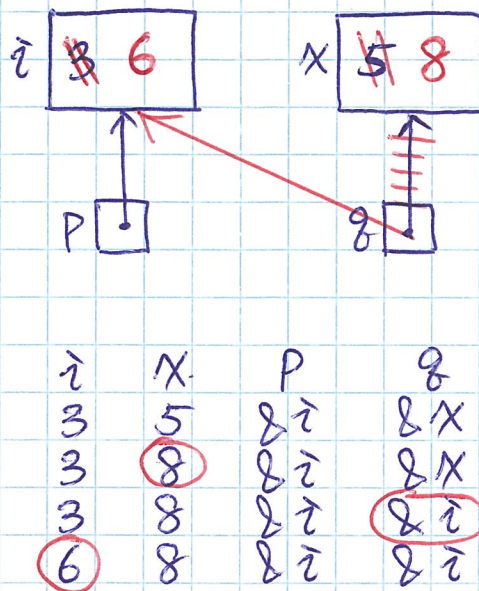
```
*q = i + x;
p = q;
i = i + *p;
```



CQ4

```
int i = 3;
int x = 5;
int *p = &i;
int *q = &x;
```

```
*q = i + x;
q = p;
i = i + *p;
```



Sec 5 Slide 27

```

1 void swap(int *px, int *py) {
2     int temp = *px;
3     *px = *py;
4     *py = temp;
5 }
6
7 int main(void) {
8     int a = 3;
9     int b = 4;
10    swap(&a, &b);
11 }

```

swap:

temp: 3
 py: addr-2
 px: addr-1
 r/a: main: 10

main:

b: ~~3~~ 3 [addr-2]
 a: ~~4~~ 4 [addr-1]
 r/a: 05

CQ5 What is the final value of x?

```

1 int f(int *j) {
2
3     *j *= *j;
4
5     return 5;
6 }
7
8 int main(void) {
9
10    int x = 2;
11
12    x = f(&x);
13
14 }

```

f:

j: addr-1
 r/a: main: 12

main:

x: ~~2~~ ~~4~~ 5 [addr-1]
 r/a: 05
