

Draw the pointers

Dictionary

x, y : integer

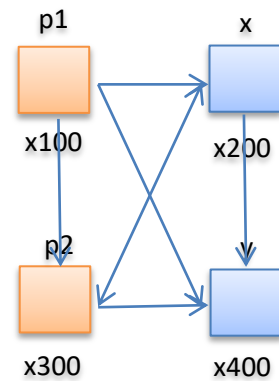
$p1, p2$: pointer to integer

Algorithm

$x \leftarrow 5$

$y \leftarrow 10$

1	$p1 \leftarrow \&x$ $*p2 \leftarrow 7$
2	$p2 \leftarrow \&y$ $x \leftarrow *p2$
3	$x \leftarrow y$ $p1 \leftarrow \&y$ $p2 \leftarrow \&x$
4	$p2 \leftarrow \&x$ $p1 \leftarrow p2$ $*p2 \leftarrow 6$



Draw the pointers

Dictionary

x, y : integer

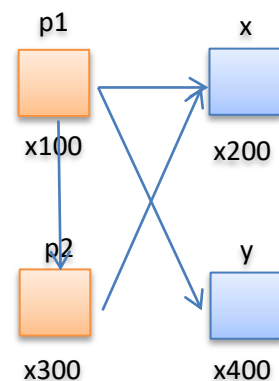
$p1, p2$: pointer to integer

Algorithm

$x \leftarrow 5$

$y \leftarrow 10$

1	$p1 \leftarrow \&y$ $p2 \leftarrow \&x$ $*p1 \leftarrow *p2$
2	$p2 \leftarrow \&x$ $*p2 \leftarrow 7$ $p1 \leftarrow p2$
3	$p1 \leftarrow \&x$ $*p1 \leftarrow y$



Write the value inside each variable and pointer

Dictionary

a, b, c : integer

p1, p2, p3 : pointer to integer

Algorithm

a \leftarrow 10

b \leftarrow 15

p1 \leftarrow &b

p2 \leftarrow p1

c \leftarrow 27

p1 \leftarrow &c

a \leftarrow *p1

p3 \leftarrow &b

*p2 \leftarrow 8

What is the Output?					
a	b	c	p1	p2	p3
10	15	27	15	15	15
27			27	8	

Write the value inside each variable and pointer

Dictionary

a, b, c : integer

p1, p2, p3 : pointer to integer

Algorithm

```
a ← 10
b ← 15
c ← 27
p1 ← &a
p2 ← &b
*p1 ← c
a ← *p2
b ← 6
p3 ← &b
*p1 ← *p3
```

What is the Output?					
a	b	c	p1	p2	p3
10	15	27	10	15	15
15	6		27	8	6
			27		27