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NPM   **: G1F021028**

Mata Kuliah **: Algoritma dan Struktur Data**

Dosen Pengampu **: Mochammad Yusa**

Draw the pointers

Dictionary
  x, y : integer
  p1, p2 : pointer to integer
Algorithm
  x ← 5
  y ← 10

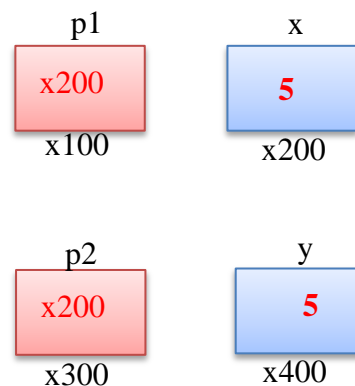|	
1	p1 ← &x *p1 ← 7
2	p2 ← &y x ← *p2
3	x ← y p1 ← &y p2 ← &x
4	p2 ← &x p1 ← p2 *p2 ← 6

p1
x400
x100

x
6
x200

p2
x200
x300

y
10
x400
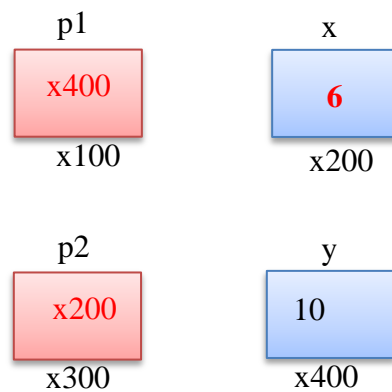
Draw the pointers

Dictionary
  x, y : integer
  p1, p2 : pointer to integer
Algorithm
  x ← 5
  y ← 10

1	p1 ← &y p2 ← &x *p1 ← *p2
2	p2 ← &x *p2 ← 7 p1 ← p2
3	p1 ← &x *p1 ← y

p1
x200
x100

x
5
x200

p2
x200
x300

y
5
x400

Write the value inside each variable and pointer

Dictionary
a, b, c : integer
p1, p2, p3 : point to integer

Algorithm
a ← 10
b ← 15
p1 ← &b
p2 ← p1
c ← 27
p1 ← &c
a ← *p1
p3 ← &b
*p2 ← 8

What is the output?					
a	b	c	p1	p2	p3
10	15	27	0x6ffe00	0x6ffe00	0x6ffe00
27	8		0x6ffdfc		

Write the value inside each variable and pointer

Dictionary
a, b, c : integer
p1, p2, p3 : point to integer

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

What is the output?					
a	b	c	p1	p2	p3
10	15	27	0x6ffe0c	0x6ffe08	0x6ffe08
27	6				0x6ffe04
15					
27					