Nama : Annisa Afriani
NPM : G1F021001

1. Dictionary :
   x, y : Integer
   P_1, P_2 : Pointer to Integer
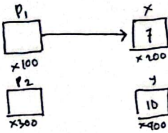   Algorithm
   x ← 5
   y ← 10

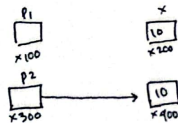Jawab :

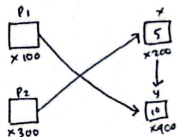1. P_1 ← &x
   *P_1 ← 7

2. P_2 ← &y
   x ← *P_2

3. x ← y
   P_1 ← &y
   P_2 ← &x

4. P_2 ← &x
   P_1 ← P_2
   *P_1 ← 6
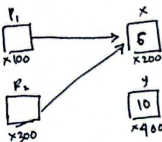
2. Dictonary
    x, y : Integer
    P_1, P_2 : pointer to Integer

P_1
☐ x100

x
☐ x200

P_2
☐ x300

y
☐ x900

Jawab:

1. $P_1 \leftarrow \&y$
   $P_2 \leftarrow \&x$
   $*P_1 \leftarrow *P_2$

=

P_1
☐ x100
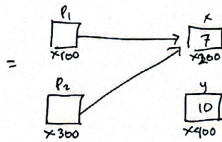
x
$\boxed{5}$ x200

P_2
☐ x300

y
$\boxed{10}$ x900

2. $P_2 \leftarrow \&x$
   $*P_2 \leftarrow 7$
   $P_1 \leftarrow P_2$

=

P_1
☐ x100

x
$\boxed{7}$ x200

P_2
☐ x300

y
$\boxed{10}$ x900

3. $P_1 \leftarrow \&x$
   $*P_1 \leftarrow y$

=

P_1
☐ x100

x
$\boxed{5}$ x200

P_2
☐ x300

y
$\boxed{5}$ x900
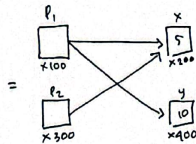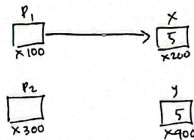
3. Dictionary

    a, b, c : Integer
    P_1, P_2, P_3 : pointer to Integer
    Algorithm
    a ⟵ 10
    b ⟵ 15
    P_1 ⟵ &b
    P_2 ⟵ P_1
    c ⟵ 27
    P_1 ⟵ &c
    d ⟵ $*P_1$
    P_3 ⟵ &b
    $*P_2$ ⟵ 8
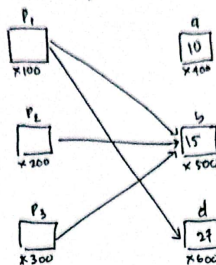
a	b	c	P_1	P_2	P_3
10	15	-	-	-	-
10	15	-	0x6FFdf8	-	-
10	15	-	0x6FFdf8	0x6FFdf8	-
10	15	27	0x6FFdf8	0x6FFdf8	-
10	15	27	0x6FFde8	0x6FFde8	-
27	15	27	0x6FFde8	0x6FFdf8	-
27	15	27	0x6FFde8	0x6FFdf8	0x6FFdf8
27	8	27	0x6FFde8	0x6FFdf8	0x6FFdf8

4. Dictionary

    a, b, c : Integer
    P_1, P_2, P_3 : pointer to Integer
    Algorithm
    $a \longleftarrow 10$
    $b \longleftarrow 15$
    $c \longleftarrow 27$
    $P_1 \longleftarrow \&a$
    $P_2 \longleftarrow \&b$
    $*P_1 \longleftarrow c$
    $a \longleftarrow *P_2$
    $b \longleftarrow 6$
    $P_3 \longleftarrow \&b$
    $P_3 \longleftarrow \&c$
    $*P_1 \longleftarrow \&P_3$

a	b	c	P_1	P_2	P_3
10	15	27	–	–	–
10	15	27	0x6ffdf8	–	–
10	15	27	0x6ffdf8	0xffdf0	–
10	15	6	0x6ffdf8	0x6ffdf0	–
15	15	6	0x6ffdf8	0x6ffdf0	–
15	6	6	0x6ffdf8	0x6ffdf0	–
15	6	6	0x6ffdf8	0x6ffdf0	0x6ffde8
15	6	10	0x6ffdf8	0x6ffdf0	0x6ffdf8
15	6	10	0x6ffdf8	0x6ffdf0	0x6ffde8