```
class p1 extends object
    field a
    field b
    field c

    method initialize(f, g, h)
        begin
            set a = f;
            set b = g;
            set c = h;
            0
        end

    method setValor(p,q)
        begin
            set a = +(a,p);
            set b = +(b,q);
            set c = +(c,b);
            send self getValor(a,b)
        end

    method getValor(p,q)
        +(p, +(q,a))

class p2 extends p1
    field d
    field e
    method initialize(k, l, m)
        begin
            super initialize(k,l,m);
            set a = super getValor(k,l);
            set b = super getValor(l,m);
            set c = super getValor(m,k);
            0
        end

    method getValor(m,n)
        +(d, +(m,n))

class p3 extends p2
    field f
    field g

    method initialize(k, l, m)
        begin
            super initialize(k,l,m);
            set f = super getValor(k,l);
            set f = super getValor(l,m);
            0
        end

    method getValor(m,n)
        +(g, +(m,n))

let
    o1 = new p1(4,3,1)
    o2 = new p2(5,4,2)
    o3 = new p3(3,4,2)
in
    let
        a = send o1 setValor(1,4)
        b = send o2 setValor(3,2)
        c = send o3 setValor(4,8)
    in
        +(a,+(b,c))
```
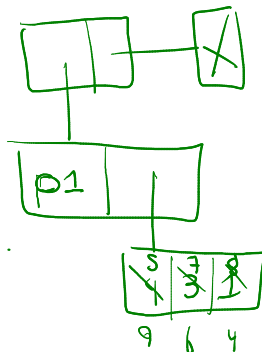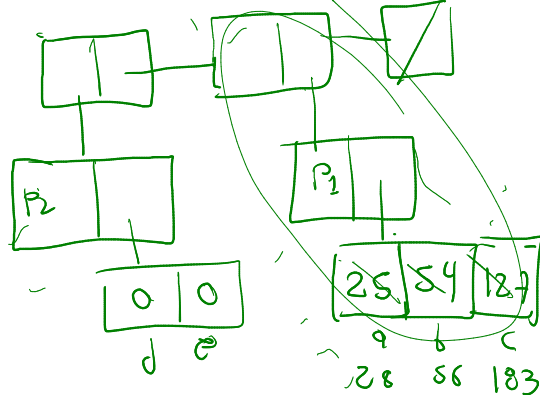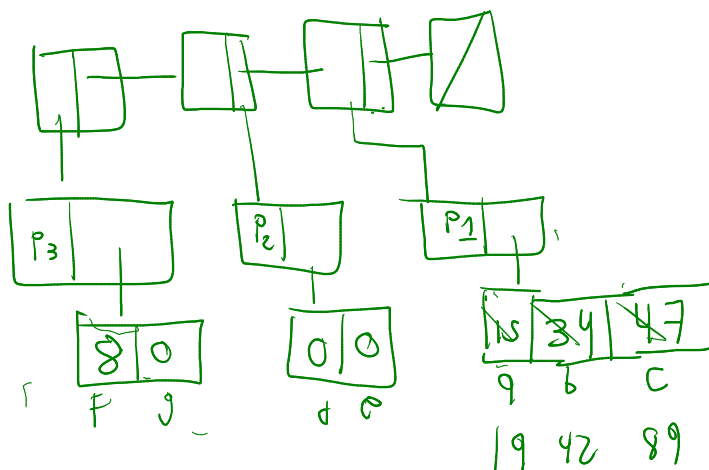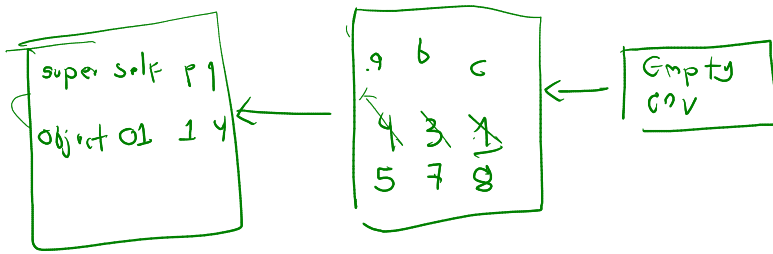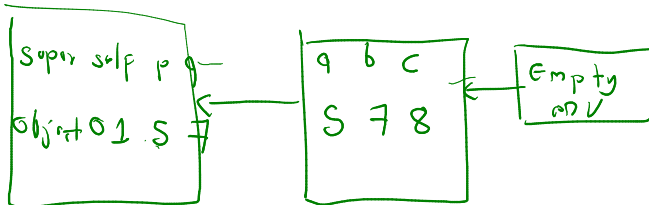
Send o1   set valor(1, 4)

```
method setValor(p,q)
   begin
      set a = +(a,p);
      set b = +(b,q);
      set c = +(c,b);
      send self getValor(a,b)  40
   end

method getValor(p,q)
   +(p, *(q,a))
```

super self p q

object o1 1 4

```
 a  b  c

 4  3  7
 5  7  8
```

Empty env

Send o1 get valor(5, 7)

super self p q

objet o1 5 7

```
 a  b  c

 5  7  8
```

Empty env

$+(p, \times(q, q))$

5, 35   40

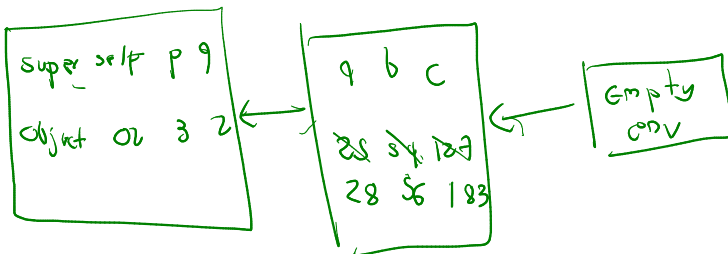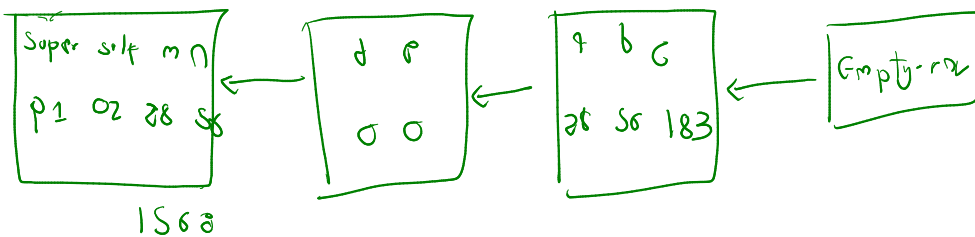
send o2   set valor(3, 2)

```
method setValor(p,q)
   begin
      set a = +(a,p);
      set b = +(b,q);
      set c = +(c,b);
      send self getValor(a,b)
   end

method getValor(p,q)
   +(p, *(q,a))
```

super self p q

objet o2 3 2

```
 a   b   c

 25  54  128
 28  56  183
```

Empty env

Send O2 get valor(28, 56)

super self m n

p1 o2 28 56

```
d  p

o  o
```

```
 a   b   c

 28  56  183
```

Empty env

1568

Send O3 setvalor (4, 8)

```
method setValor(p,q)
    begin
      { set a = +(a,p);
        set b = +(b,q);
        set c = +(c,b);
        send self getValor(a,b)
    end

method getValor(p,q)
    +(p, +(q,a))
```
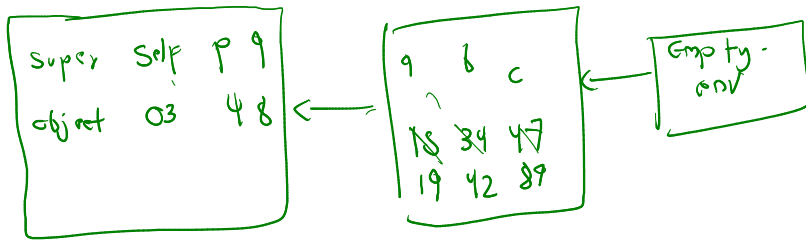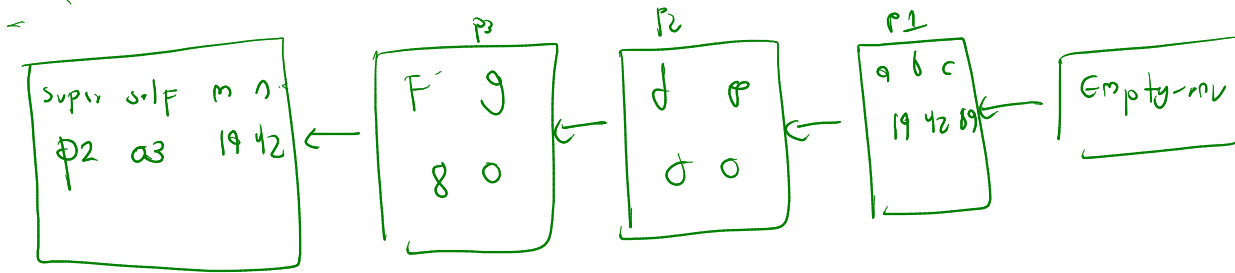
super	self	p	q
object	O3	4	8

a	b	c
18	34	47
19	42	89

Empty-env

Send O3 getvalor (19, 42)

super	self	m	n
P2	a3	19	42

P3
F	g
8	o

P2
d	p
0	o

P1
a	b	c
19	42	89

Empty-env

G1

```
class p1 extends object
      field a
      field b

      method initialize(f, g)
            begin
                  set a = f;
                  set b = g;
                  0
            end

      method setValor(p,q)
            begin
                  set a = +(a,p);
                  set b = +(b,q);
                  send self getValor(a,b)
            end

      method getValor(p,q)
            +(p, +(q,a))

class p2 extends p1
      field d
      method initialize(k, l, m)
            begin
                  super initialize(k,l);
                  set d = m;
                  0
            end

      method getValor(m,n)
            +(d, +(m,n))
let
      o1 = new p1(1,2)
      o2 = new p2(4,5,6)
      in
            let
                  a = send o1 setValor(1,4)
                  b = send o2 setValor(3,2)
                  in
                        +(a,b)
```
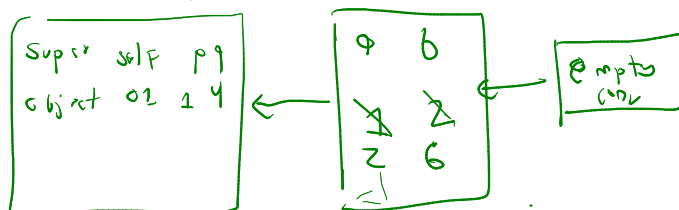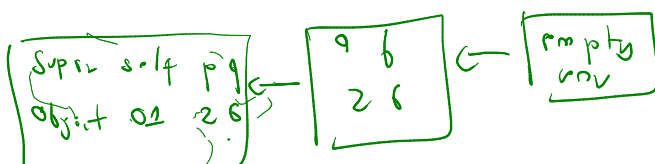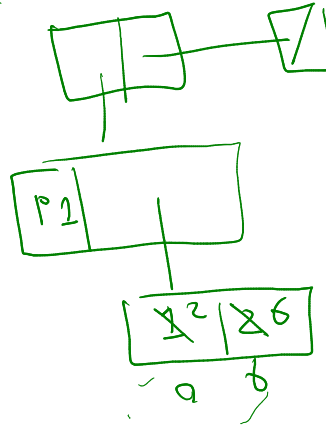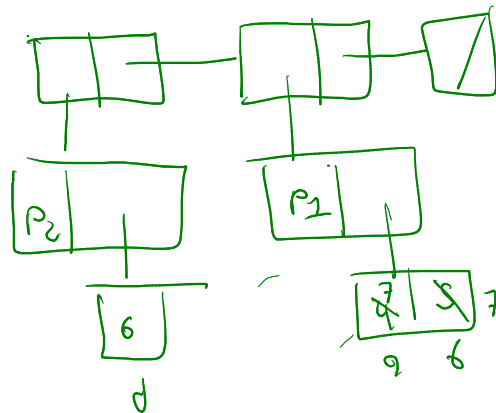
o1

o2

a = send o1 setValor(1,4) ← 10
b = send o2 setValor(3,2) ← 20

Send o1 setvalor (1, 4)

Send self getvalor (9,6)

Send o1 getvalor (3, 6)

(10)

Send o2 setvalor(3,2)


```
Super self  p q        a  b          Empty-mv
objet o2   3 2        -1-4   S
                        7  7
```
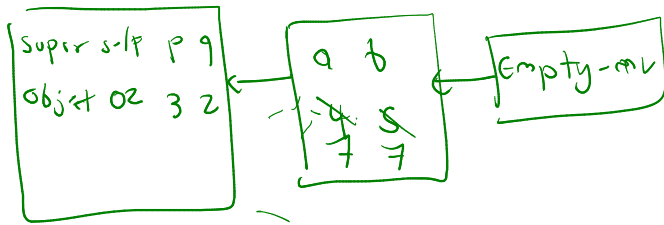
Send self getValor(9,b)
Send o2 getvalor(7,7)


```
Super self p1        d          a  b        Empty
p1   o2  7           6  -        7  7         mv
```

+(d, m, n)
     o2