

```

class animal extends object
  field edad
  field numPatas

  method initialize(a, b)
    begin
      set edad = a;
      set numPatas = b;
    end
  end

  method incEdad(w)
    begin
      set edad = +(edad, w);
    end
  end

  method incNumPatas(w)
    begin
      set numPatas = +(numPatas, w);
    end
  end

```

```

class reptil extends animal
  field colorNum

  method initialize(a)
    begin
      set colorNum = a;
    end
  end

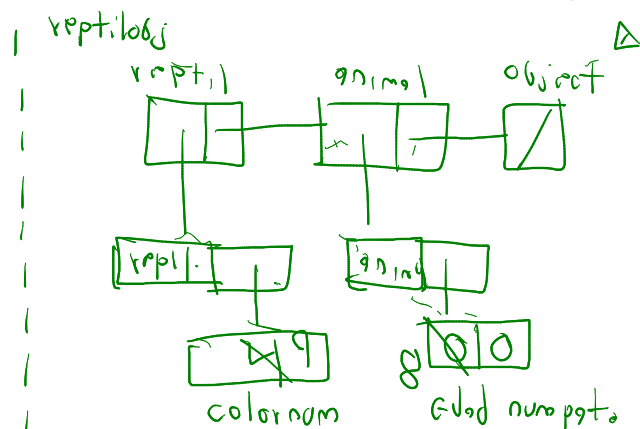
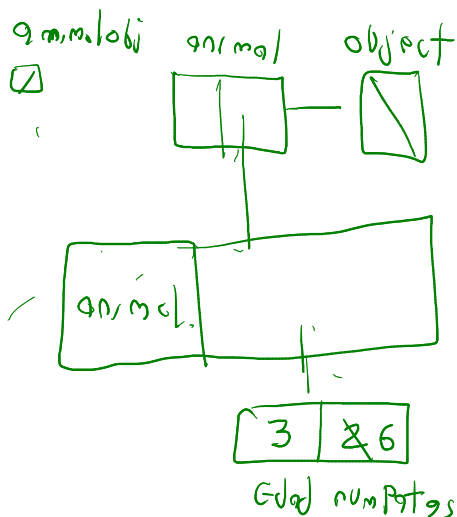
  method incColor(w)
    begin
      send self incEdad(+(w, 3));
      set colorNum = +(colorNum, w);
    end
  end

```

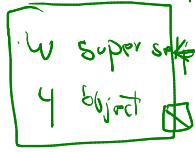
```

let
  a = 3
  b = 2
  c = 4
in
  let
    animalObj = new animal(a, b)
    reptilObj = new reptil(c)
  in
    let
      { x = send animalObj incNumPatas(c)
        y = send reptilObj incColor(+(a, b))
      }
    in
      +(x, y)

```



Env inc Numpts



Env animal 1

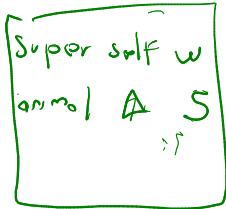


Empty-row



Sand animal obj - -

Env inc color



Env reptile

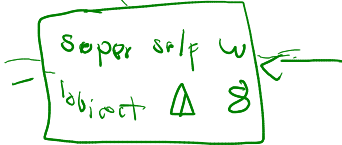


Env animal

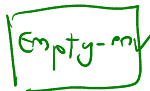


Sand reptile-obj

inc-edid



Env animal 4



```
class c1 extends object
  field x
  field y
```

```
method initialize()
  begin
    set x=5;
    set y=10;
    +(x,y)
  end
```

```
method m1()
  send self m4(x)
```

```
method m2(n, t)
  *(+(t,x), -(n,y))
```

```
method m4(n)
  send self m2(n, +(n,n))
```

```
class c2 extends c1
  field x
  field y
```

```
method initialize(xin, yin)
  begin
    super initialize();
    set x=xin;
    set y=yin;
  end
```

```
method m1()
  super m4(x)
```

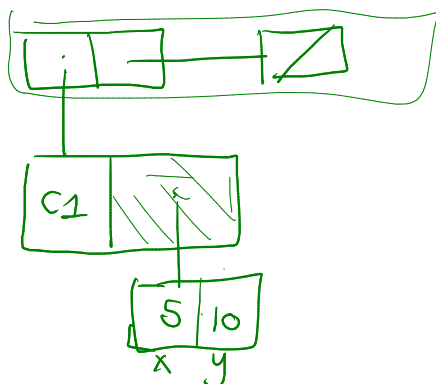
```
method m2(z,p)
  begin
    send self m3(),
    +(z, +(p,x))
  end
```

```
method m3()
  begin
    set x=1;
    set y=2
  end
```

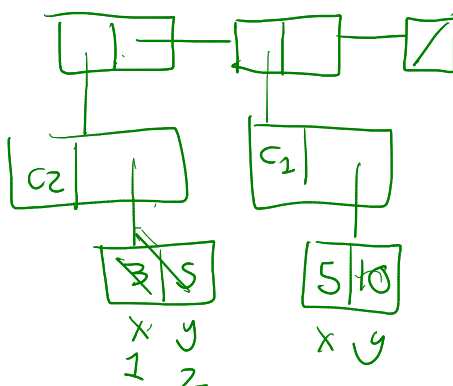
```
let
  o1 = new c1()
  o2 = new c2(3,5)
in
  let
    k = send o1 m1()
    f = send o2 m1()
  in
    +(k, f)
```

<https://ibb.co/qCvkFjL>

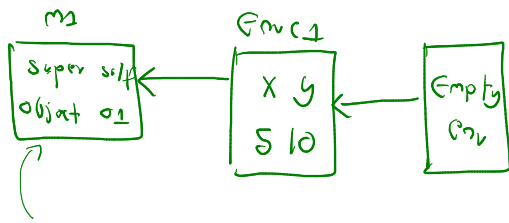
o1



o2

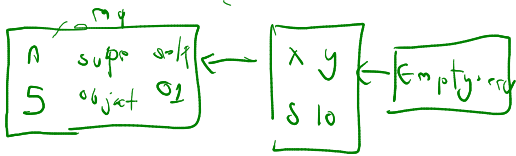


Send o1 m1C)



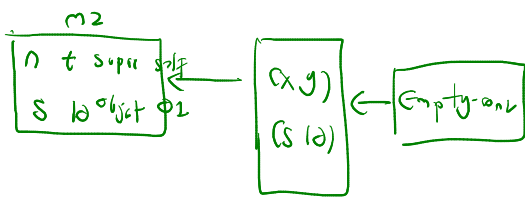
Send self m4C)

Send o1 m4C)



Send self m2(n, t(n, n))

Send o1 m2(S, 10)



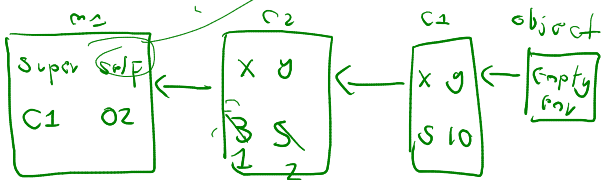
$*(+(t, x), -(n, y))$

$*(+(10, S), -(S, 10))$

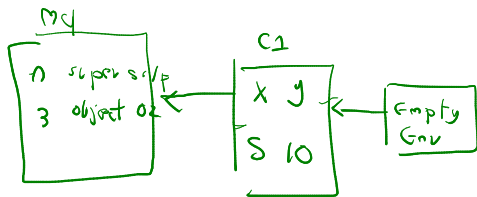
$$15 \times -5 = -75$$

Send o2 m1C)

this

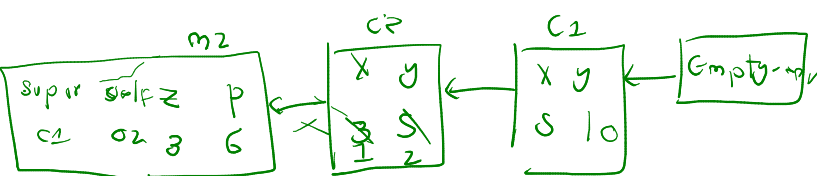


Super m4C)



Send self m2(n, t(n, n))

Send o2 m2(3, 6)



$+(z, +(p, x))$

3, 6, 1
10

Send o2 m3C)

