

```

class p1 extends object ←
  field a
  field b

  {
    method initialize(x, y)
      begin
        set a = x;
        set b = y;
        0
      end
  }

  → method m1(x,y)
      begin
        { set a = -(a,x);
          set b = -(b,y);
          send self m3(a,b)
        }
      end

  {
    method m3(x,y)
      +(-(a,x), -(b,y))
  }

class p2 extends p1
  field b
  method initialize(x,y,z)
    begin
      → super initialize(x,y);
      set b = z;
      0
    end
  method m3(x,y)
    +(b, +(x,y))

let
  {
    o1 = new p1(2,3)
    o2 = new p2(4,6,8)
  }
  in
    let
      {
        a = send o1 m1(1,4) = 0
        b = send o2 m1(3,2)
      }
      in
        +(a,b) 0

```

```

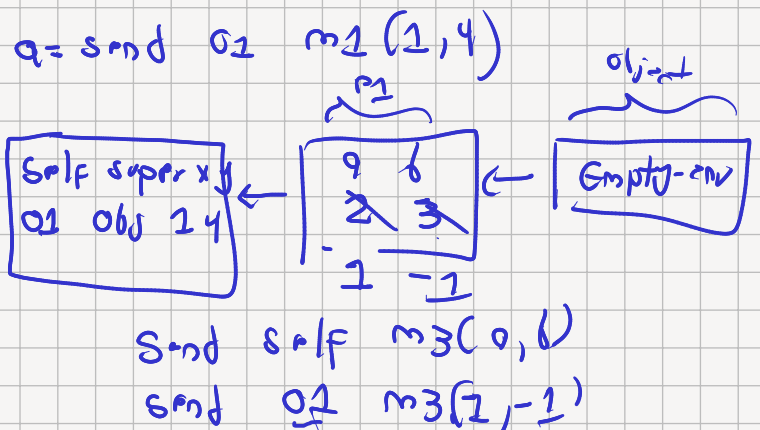
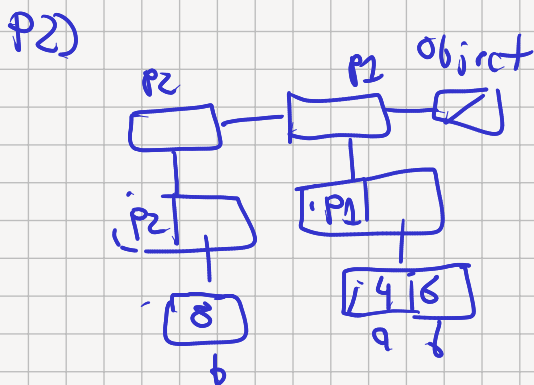
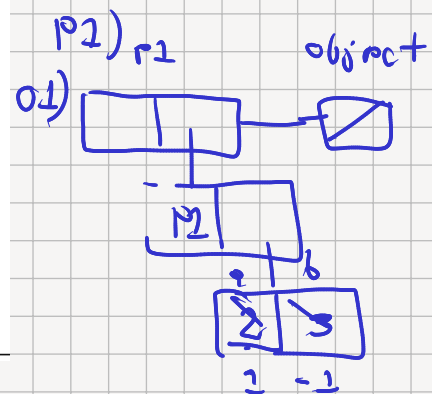
class animal:
  def morder(self, x,y):
    self.msg = "hola"

```

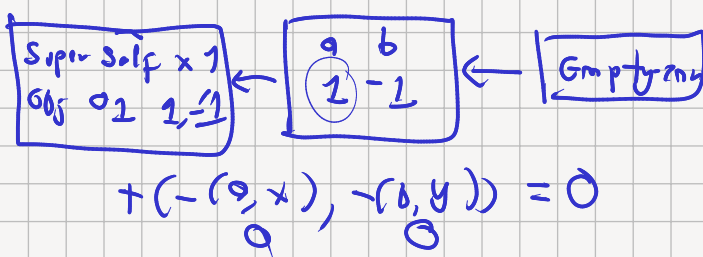
```

public class Animal{
  int a;
  int b;
  public void f(x,y){
    this.a = x;
  }
}

```



send o1 m3(1,-1)



```

class p1 extends object
  field a
  field b

  method initialize(x, y)
    begin
      set a = x;
      set b = y;
    end

  → method m1(x, y)
    begin
      set a = -(a, x);
      set b = (b, y);
      → send self m3(a, b)
    end

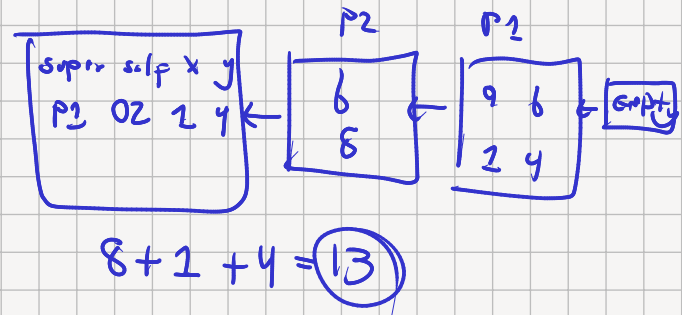
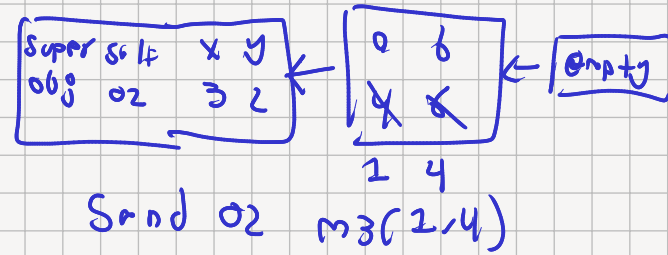
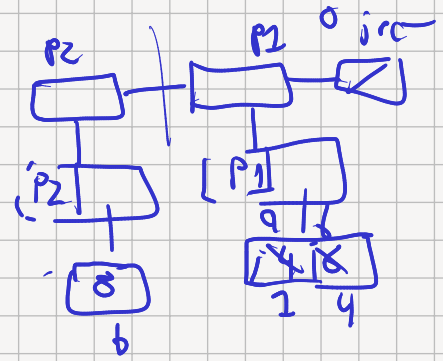
  method m3(x, y)
    +(-(a, x), -(b, y))

class p2 extends p1
  field b
  method initialize(x, y, z)
    begin
      super initialize(x, y);
      set b = z;
    end

  → { method m3(x, y)
      +(b, +(x, y))
    }

let
  o1 = new p1(2, 3)
  o2 = new p2(4, 6, 8)
in
  let
    a = send o1 m1(1, 4)
    → b = send o2 m1(3, 2)
  in
    +(a, b)

```



```

class p1 extends object
  field x
  field y

  method initialize(a,b)
    begin
      set x = a;
      set y = b;
    end

```

```

  method m1(u,v)
    send self m2(u,v)

  method m2(u,v)
    +(x,y,u,v)

```

```

class p2 extends p1
  field w
  field z

  method initialize(a,b)
    begin
      super initialize(a,b);
      set w = +(a,b);
      set z = *(a,b);
    end

```

```

  method m2(u,v)
    *(w,z,u,v)

```

let

```

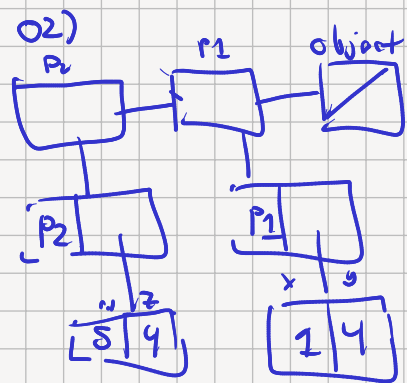
o1 = new p2(1,4)
in

```

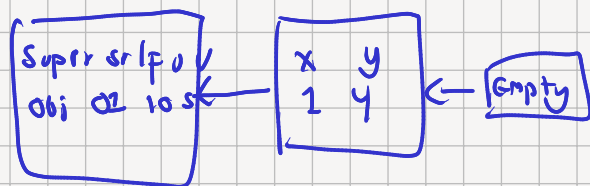
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send o1 m1(10,5)

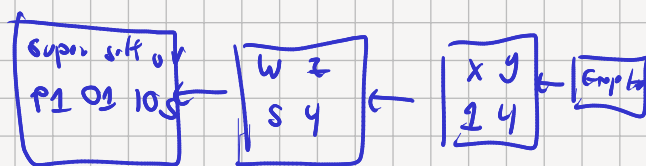
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m1)
send o1 m1(10,5)



Send O2 m2(10,5)



*(w,z,u,v)

*(5,4,10,5) = 1000