

```

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;
    end
  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))
  end

```

```

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);
    end
  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 g = super getValor(l,m);
    end
  end

```

```

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

```

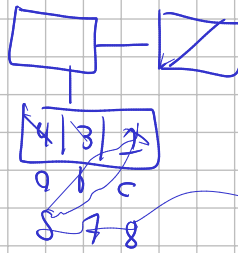
```

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))

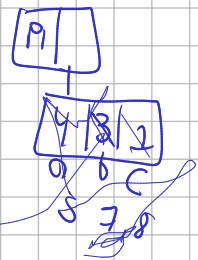
```

O1

Simple

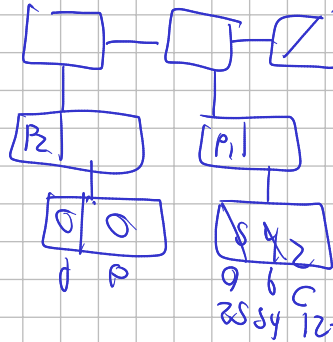


p long

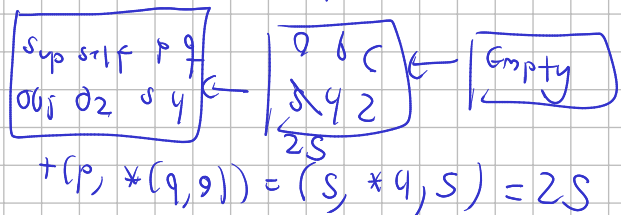
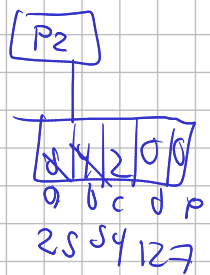


O2) new p2(5,4,2)

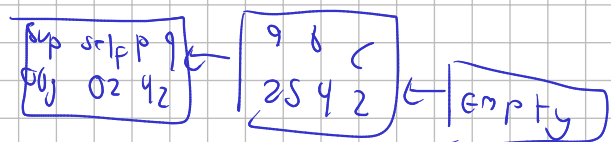
Simple



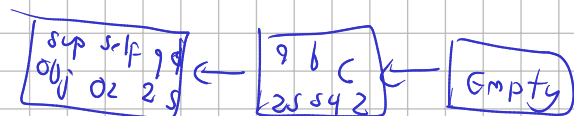
p long



$+(p, *(q, 9)) = (5, *4, 5) = 25$



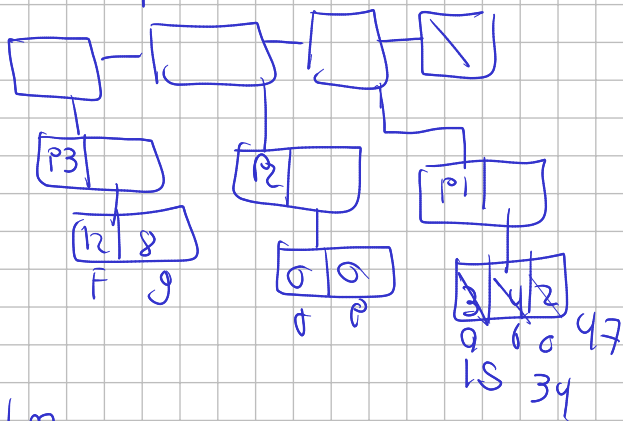
$+(p, *(q, 9)) = 4 + (50) = 54$



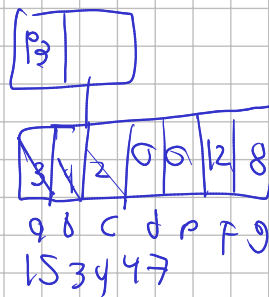
$+(2, (5, 25)) = 127$

03)

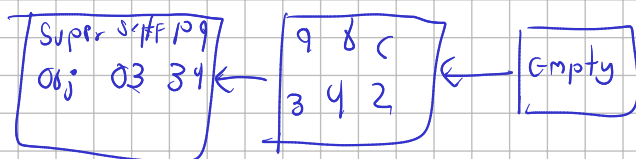
Simple



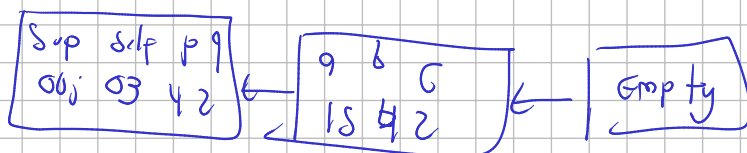
plong



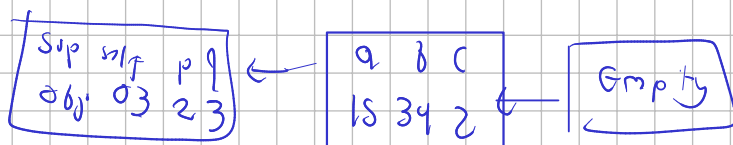
K / m  
3, 4, 2



$$+(p, *(q, q)) \\ +(3, *(4, 3)) = 15$$

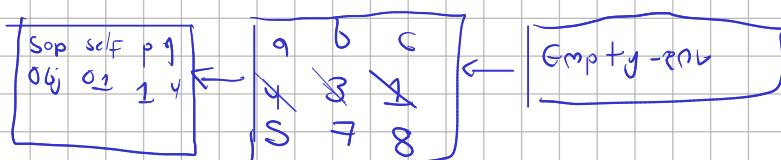


$$+(4, *(2, 15)) = 34$$

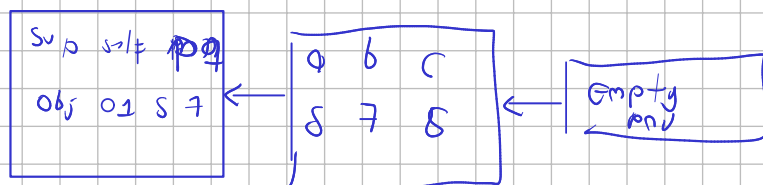


$$+(2, *(15, 3)) = 47$$

On setValor(1, 4)



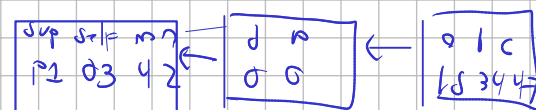
Send 01 getValor(5, 7)



$$+(p, *(q, q)) + (5, 35) = 40$$

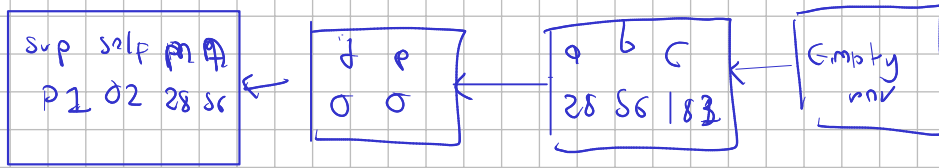
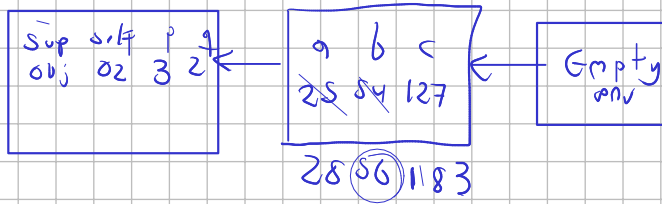


$$+(d, *(m, p)) \\ +(0, 12)$$



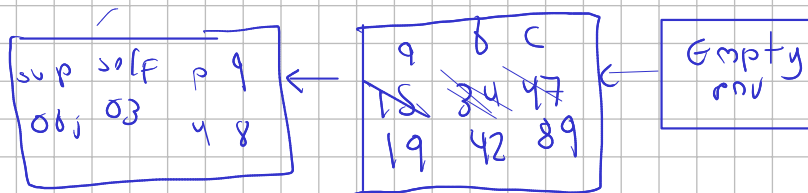
8

Send 02 setvalr(3, 2)

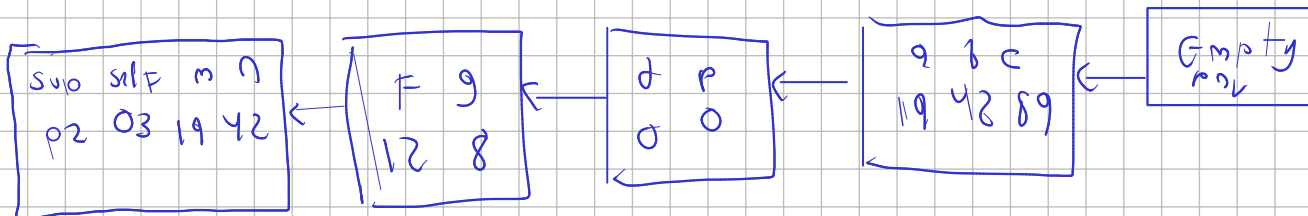


$$\begin{aligned}
 &+(0 \times 0, 0) \\
 &+(0, \times(56, 28)) \\
 &1568
 \end{aligned}$$

Send 03 setvalr(4, 8)



Send 03 getvalr(19, 42)



$$+(8, 19, 42) = 89$$

$$89 \neq 1568 + 40 = 1677$$