a) Asociación Estática de Métodos (X=4; Y=6; Z=8)

```
class A{
    int a = 4, b =6
    fun p(int x): int{
        a = b*x
        return q(a)
    }
    fun q(int y):int{
        return a+y
    }
}
```

```
class B extends A{
    A sopa = new C()
    fun q(int y):int{
        return sopa.p(a+b)+y
    }
}
```

```
class C extends B{
    int c = 8
    fun p(int x): int{
        a = 3+x
        c = 2*b-x
        return q(a+b+c)
    }
    fun q(int y):int{
        return c+y
    }
}
```

```
main:
    A mon = new B()
    A don = new C()
    B go = new C()

    print(mon.p(1)+ don.p(1)+ go.p(1))
```

12+12+150

Print

174

mon		
	A	a = ~~4~~ 6
		b = 6
	B	A sopa = new C()

return: 12

q_A	y = 6

p_A	a = 6
	x = 1

mon.p(1)

don		
	A	a = ~~4~~ 6
		b = 6
	B	A sopa = new C()
	C	c = 8

return: 12

q_A	y = 6

p_A	a = 6
	x = 1

don.p(1)

go		
	A	a = ~~4~~ 6
		b = 6
	B	A sopa = new C()
	C	c = 8

return: 150
return sopa.p(a+b)+6

q_B	y = 6

p_A	a = 6
	x = 1

go.p(1)

sopa		
	A	a = ~~4~~ 72
		b = 6
	B	A sopa = new C()
	C	c = 8

return: 144

q_A	y = 72

p_A	a = 72
	x = 12

sopa.p(6+6)

b) Asociación Dinámica de Métodos (X=4; Y=6; Z=8)

```
class A{
    int a = 4, b =6
    fun p(int x): int{
        a = b*x
        return q(a)
    }
    fun q(int y):int{
        return a+y
    }
}
```

```
class B extends A{
    A sopa = new C()
    fun q(int y):int{
        return sopa.p(a+b)+y
    }
}
```

```
class C extends B{
    int c = 8
    fun p(int x): int{
        a = 3+x
        c = 2*b-x
        return q(a+b+c)
    }
    fun q(int y):int{
        return c+y
    }
}
```

```
main:
    A mon = new B()
    A don = new C()
    B go = new C()

    print(mon.p(1)+ don.p(1)+ go.p(1))
```

27+32+32

Print

91

mon		
	A	a = ~~4~~ 6
		b = 6
	B	A sopa = new C()

sopa		
	A	a = ~~4~~ 15
		b = 6
	B	A sopa = new C()
	C	c = ~~8~~ 0

return: 21

don		
	A	a = 4
		b = 6
	B	A sopa = new C()
	C	c = ~~8~~ 11

return: 32

go		
	A	a = 4
		b = 6
	B	A sopa = new C()
	C	c = ~~8~~ 11

return: 32

return: 27

return sopa.p(a+b)+6

q_B	y = 6

p_A	a = 6
	x = 1

mon.p(1)

q_C	y = 21

p_C	c = 0
	a = 15
	x = 12

sopa.p(6+6)

q_C	y = 21

p_C	c = 11
	a = 4
	x = 1

don.p(1)

q_C	y = 21

p_C	c = 11
	a = 4
	x = 1

go.p(1)