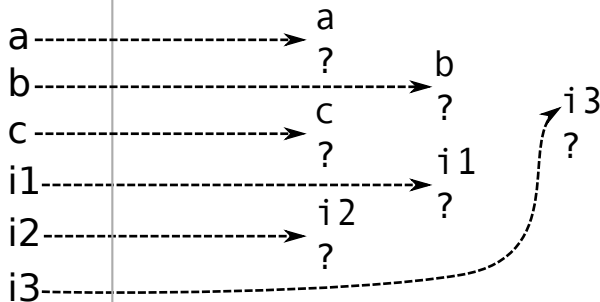


Bindings

Static Heap

Dynamic Heap



```
guard(a, Int)
guard(b, Int)
i1 = get(a, intval)
i2 = get(b, intval)
i3 = int_add(i1, i2)
```

```
x = new(Int)
```

```
set(x, intval, i3)
guard(x, Int)
guard(c, Int)
i4 = get(x, intval)
i5 = get(c, intval)
i6 = int_add(i4, i5)
y = new(Int)
set(y, intval, i6)
return(y)
```