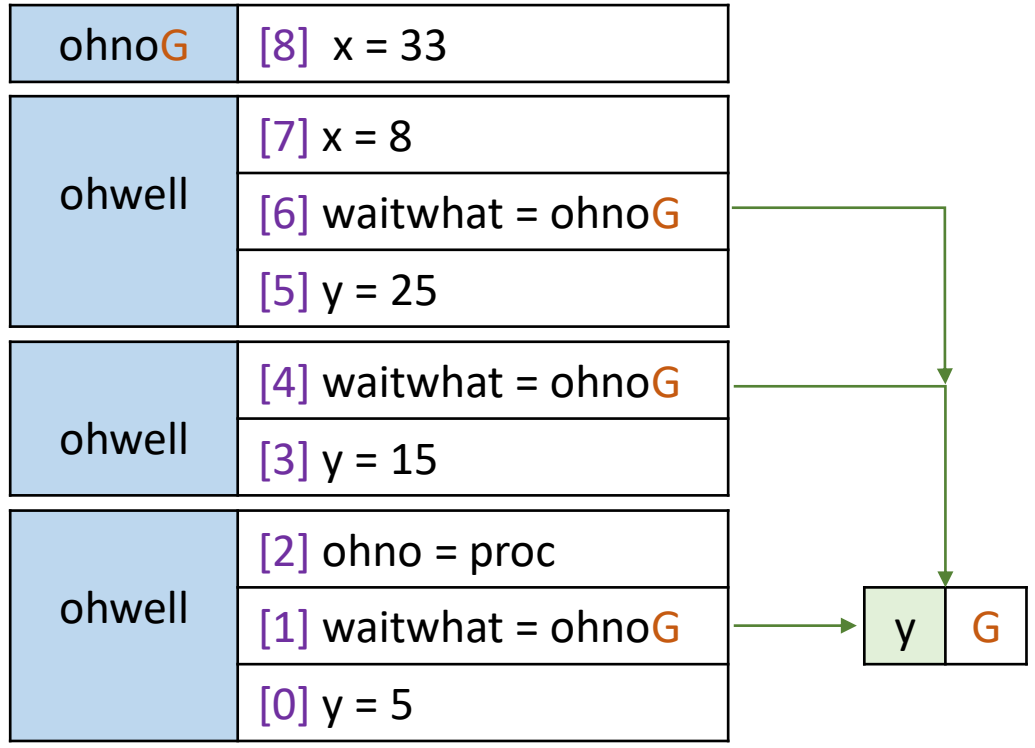
a) Asociación Profunda y Alcance Estático

```
int x = 5, y = 6;
proc ohno(int x) {
   y := 2 * x;
}
proc ohwell(int y, proc waitwhat) {
    if (y < 10) {
       proc ohno(int x) {
          x := y * 2;
       }
       ohwell(y + 10, waitwhat);
    } else if (y < 20) {
        ohwell(y + 10, ohno);
    } else {
       int x = 8;
       waitwhat(x + y);
    }
    print(x, y)
 }
ohwell(x, ohno);
print(x, y)
```

Prints	
x	y
5	25
5	15
5	5
5	66

Globales	
x	5
y	~~6~~ 66
ohno	proc
ohwell	proc

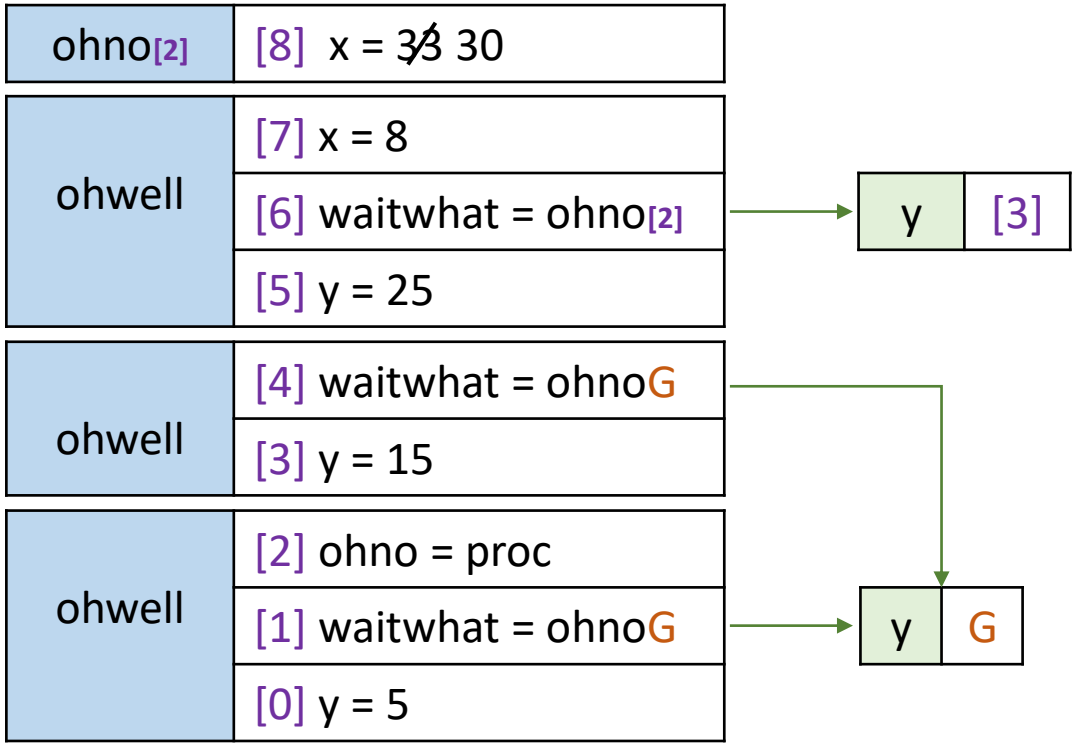


b) Asociación Profunda y Alcance Dinámico

```
int x = 5, y = 6;
proc ohno(int x) {
   y := 2 * x;
}
proc ohwell(int y, proc waitwhat) {
    if (y < 10) {
       proc ohno(int x) {
          x := y * 2;
       }
       ohwell(y + 10, waitwhat);
    } else if (y < 20) {
        ohwell(y + 10, ohno);
    } else {
       int x = 8;
       waitwhat(x + y);
    }
    print(x, y)
 }
ohwell(x, ohno);
print(x, y)
```

Prints	
x	y
5	25
5	15
5	5
5	6

Globales	
x	5
y	6
ohno	proc
ohwell	proc

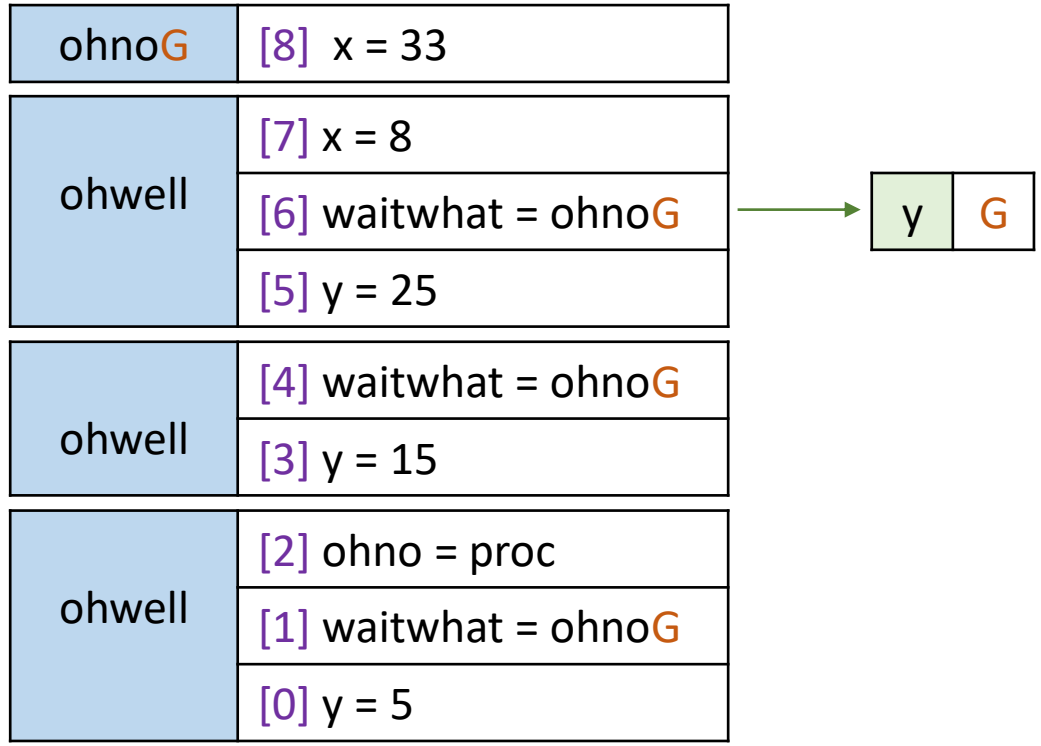


c) Asociación Superficial y Alcance Estático

```
int x = 5, y = 6;
proc ohno(int x) {
  y := 2 * x;
}
proc ohwell(int y, proc waitwhat) {
   if (y < 10) {
     proc ohno(int x) {
        x := y * 2;
     }
     ohwell(y + 10, waitwhat);
   } else if (y < 20) {
      ohwell(y + 10, ohno);
   } else {
     int x = 8;
     waitwhat(x + y);
   }
   print(x, y)
 }
ohwell(x, ohno);
print(x, y)
```

Prints	
x	y
5	25
5	15
5	5
5	66

Globales	
x	5
y	~~6~~ 66
ohno	proc
ohwell	proc



d) Asociación Superficial y Alcance Dinámico

```
int x = 5, y = 6;
proc ohno(int x) {
  y := 2 * x;
}
proc ohwell(int y, proc waitwhat) {
   if (y < 10) {
     proc ohno(int x) {
        x := y * 2;
     }
     ohwell(y + 10, waitwhat);
   } else if (y < 20) {
      ohwell(y + 10, ohno);
   } else {
     int x = 8;
     waitwhat(x + y);
   }
   print(x, y)
 }
ohwell(x, ohno);
print(x, y)
```

Prints	
x	y
5	25
5	15
5	5
5	6

Globales	
x	5
y	6
ohno	proc
ohwell	proc