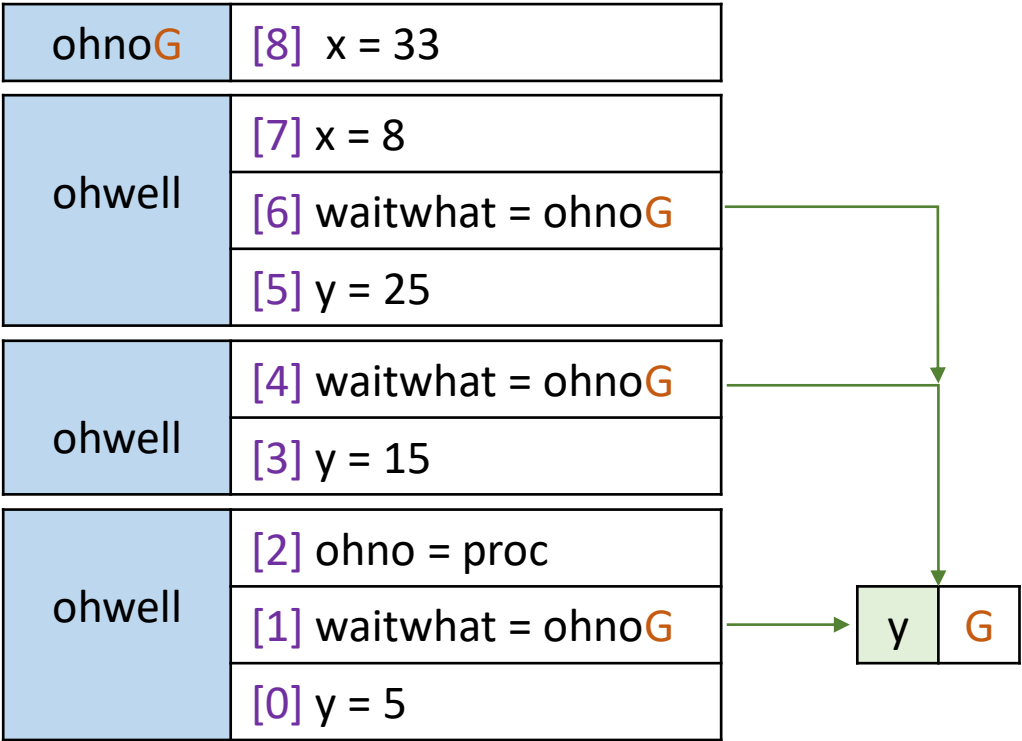


a) Asociación Profunda y Alcance Estático

```
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	66
ohno	proc
ohwell	proc

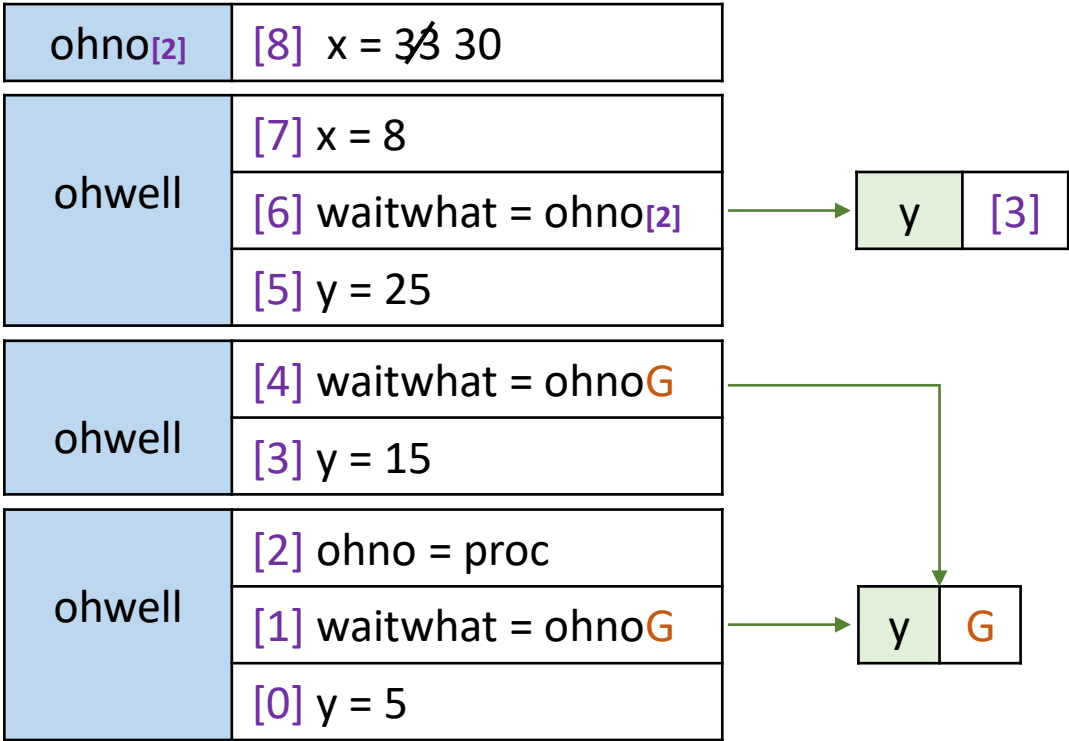


b) Asociación Profunda y Alcance Dinámico

```
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

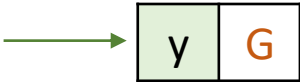
```
int x = 5, y = 6;
proc ohno(int x) {
  y := 2 * x;
}
proc ohwell(int y, proc waitwhat) {
  if (y < 10) {
    proc ohno(int x) {
      x := y * 2;
    }
    ohwell(y + 10, waitwhat);
  } else if (y < 20) {
    ohwell(y + 10, ohno);
  } else {
    int x = 8;
    waitwhat(x + y);
  }
  print(x, y)
}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

Prints	
x	y

5	25
5	15
5	5
5	66

Globales	
x	5
y	66
ohno	proc
ohwell	proc

ohnoG	[8] x = 33
ohwell	[7] x = 8
	[6] waitwhat = ohnoG
	[5] y = 25
ohwell	[4] waitwhat = ohnoG
	[3] y = 15
ohwell	[2] ohno = proc
	[1] waitwhat = ohnoG
	[0] y = 5



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

ohno	[8] x = 3 50
	[7] x = 8
	[6] waitwhat = ohno
ohwell	[5] y = 25
	[4] waitwhat = ohnoG
	[3] y = 15
ohwell	[2] ohno = proc
	[1] waitwhat = ohnoG
	[0] y = 5

