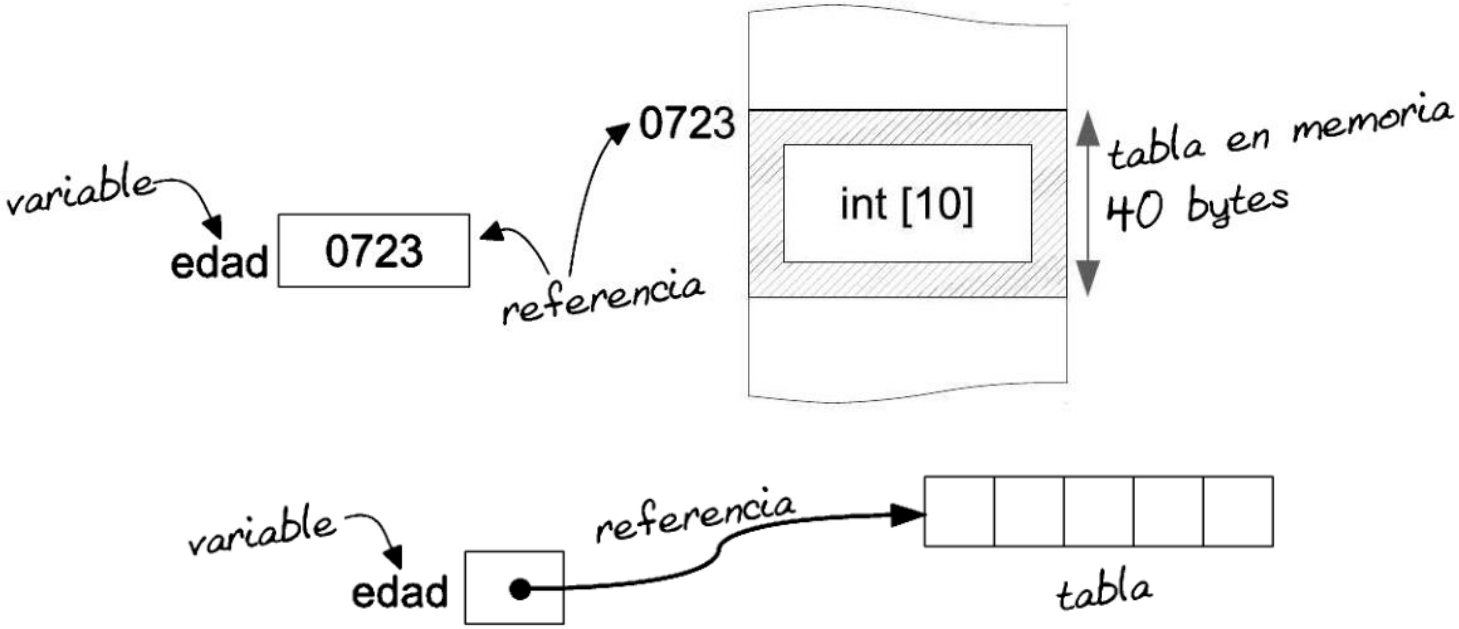
Arrays - declaración y definición

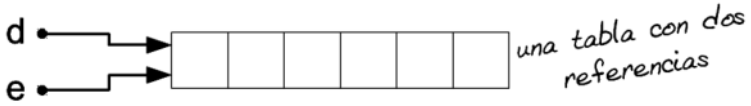
```
int edad[] = new int[5];
```

```
int edad[];
edad = new int[5];
```

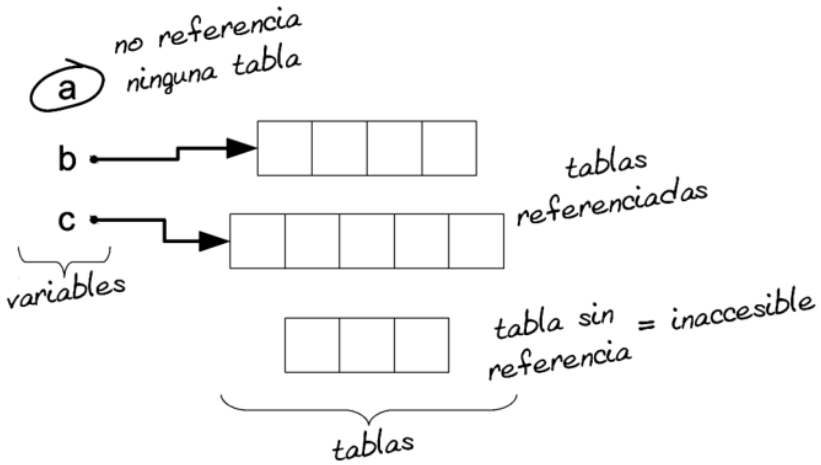


Arrays - multireferencias y null

```
int d[], e[];
d = new int[6];
e = d;
```




```
int a[], b[],
c[];
b = new int[5];
c = new int[5];
```

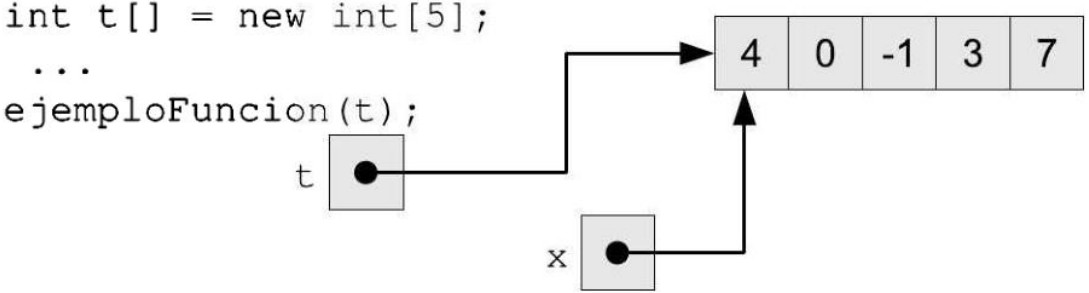


null y GC

```
int t1[], t2[];
t1 = new int[100];
t2 = t1;

t1 = null;
t2 = null;
```

Arrays y funciones

```
int t[] = new int[5];
 ...
ejemploFuncion(t);
```




```
void ejemploFuncion(int x[]) {
    //cuerpo de la función
}
```

Arrays - Clase Arrays

```
import
java.util.Arrays;
```

Imprimir

```
int t[] = {8, 41, 37, 22, 19};
System.out.println(Arrays.toString(t));
…

[8, 41, 37, 22, 19]
```

Ordenar

```
int t[] = {8, 41, 37};

Arrays.sort(t);

// Ahora t = {8, 37, 41}
```

Inicializar

```
Arrays.fill(t, 123);
Arrays.fill(t, 3, 7, 123);
```

Copiar

```
int t[] = {1, 2, 1, 6, 23};
int a[], b[];
a = Arrays.copyOf(t, 3); // a = [1, 2, 1]
b = Arrays.copyOfRange(t, 1, 4); // b = [2, 1, 6]
```

Comparar

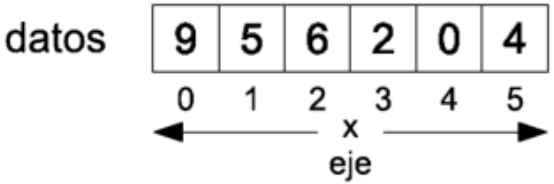
```
int t1[] = {8, 41, 37};
int t2[] = {8, 41, 37};
System.out.println(t1 == t2);

System.out.println(Arrays.equals(t1, t2));
```

Buscar

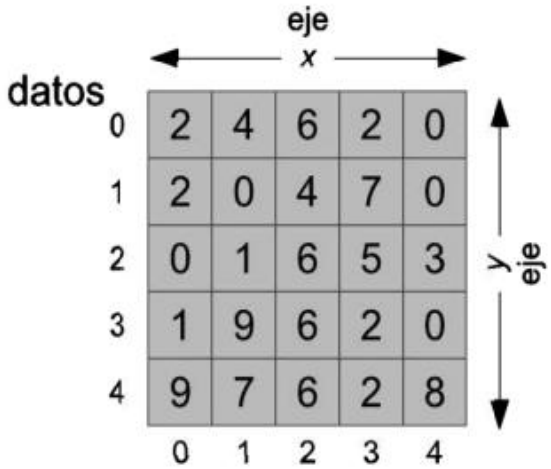
```
int pos = Arrays.binarySearch(datos, 19);
if (pos >= 0) {
   System.out.println("Encontrado en el índice: " + pos);
} else {
   System.out.println("No se ha encontrado");
}
```

Arrays - Multidimensionales

```
int datos[] = new int[5];
```




```
int datos[][] = new int[5][5];
```




```
for (int i = 0; i < datos.length; i++) {
 for (int j = 0; j < datos[i].length; j++) {
     datos[i][j] = sc.nextInt();
 }
}
```