



String[] args

array
list

int x0 = 3

int x1 = 1

int x2 = 4

int x3 = 1

⋮

$x_0 + x_1 + x_2 + x_3 + \dots$

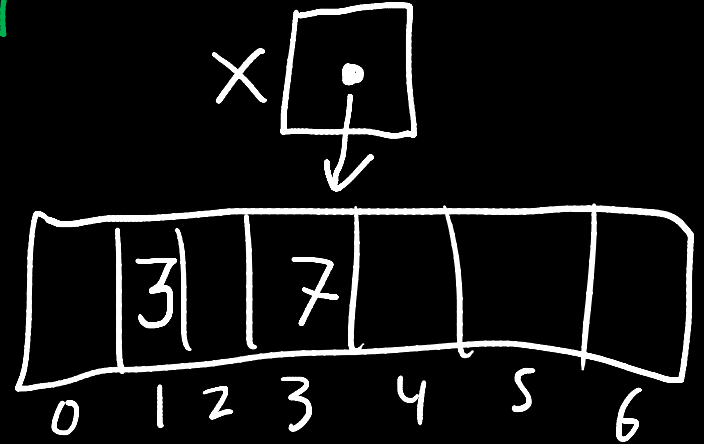
int []
type

x = new int [7];
variable new object

x [1] = 3

int y = x [1];

x [x [1]] = 7
3



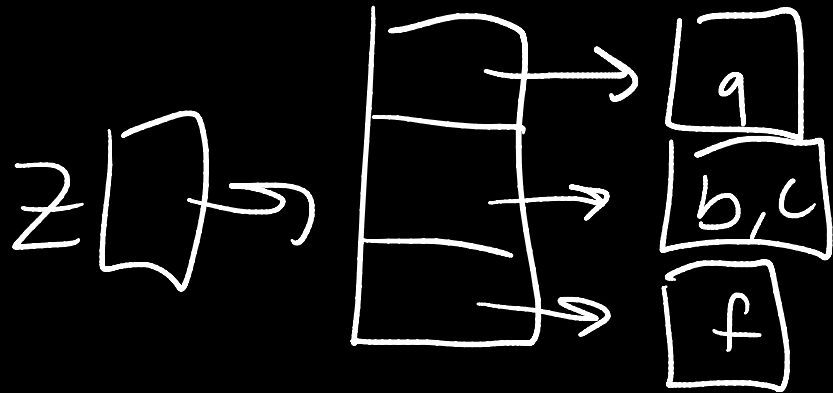
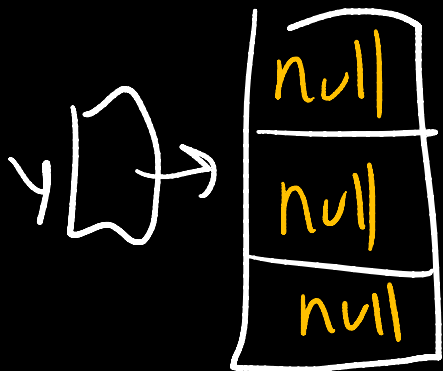
X.length

0

false null

String[] y = new String[3];

String[] z = {"a", "b,c", "f"};



```
int[] x = .....
```

```
int sum = 0;
```

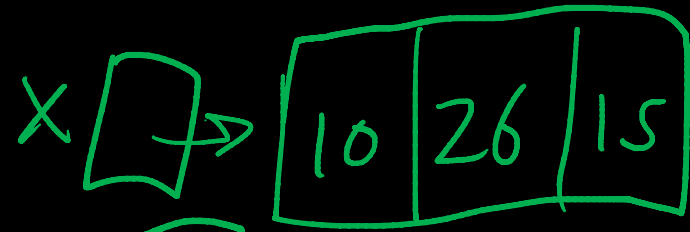
```
for (int i = 0; i < x.length; ++i) {
```

```
    int value = x[i];
```

```
    sum += value;
```

```
}
```

```
System.out.println(sum);
```



51

✓ Can you print null? (or an array)

✓ Can you store var in array?

[I@7FA3D02

✓ Can you store 2+ types in 1 array? No

✓ What if length unknown?

While to add terms?

✗ increase array length? No

How prompt for user numbers
Array of arrays?

`int* x = new int[4]`

`int y = 3;`

`x[2] = y;`

`y = 7;`

`int[] z = x;`

`z[0] = 7`

