

Curso de programación para iPhone

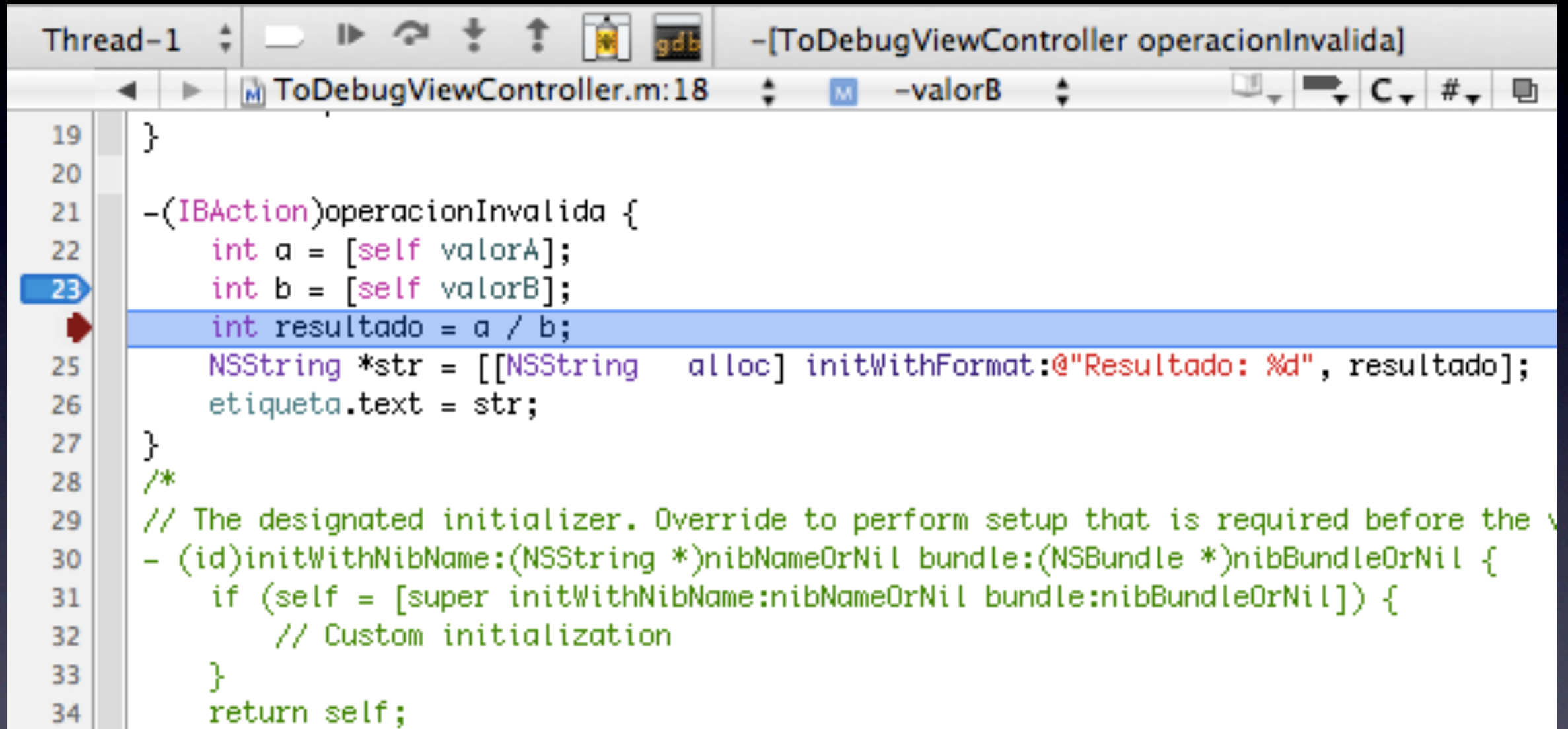
Nivel I: 06. Depuración

Instructor: René Cruz Flores

Corrigiendo tu aplicación



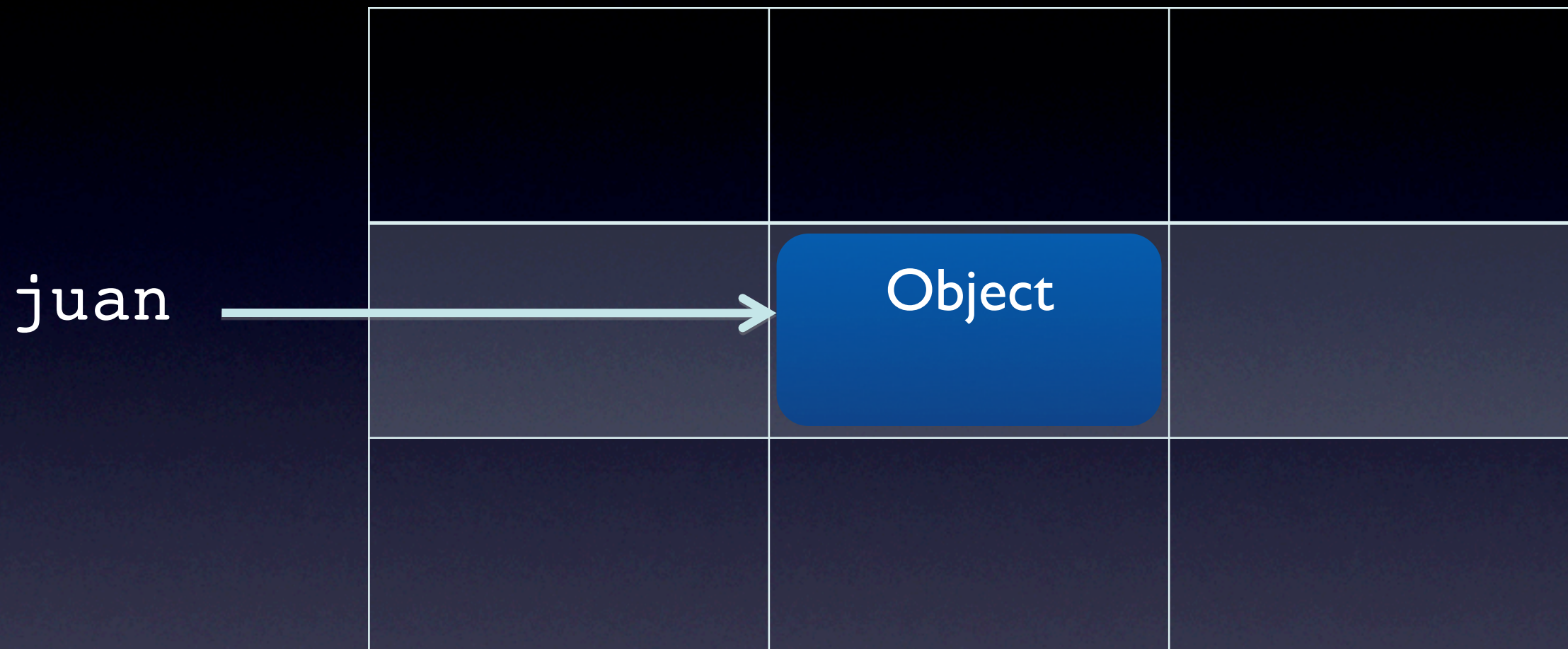
Usando breakpoints



The screenshot shows a debugger interface with a toolbar at the top containing icons for running, stepping, and other debugging actions. Below the toolbar, the current thread is 'Thread-1' and the selected frame is '-[ToDebugViewController operacionInvalida]'. The source file is 'ToDebugViewController.m:18' and the selected line is '23'. The code is as follows:

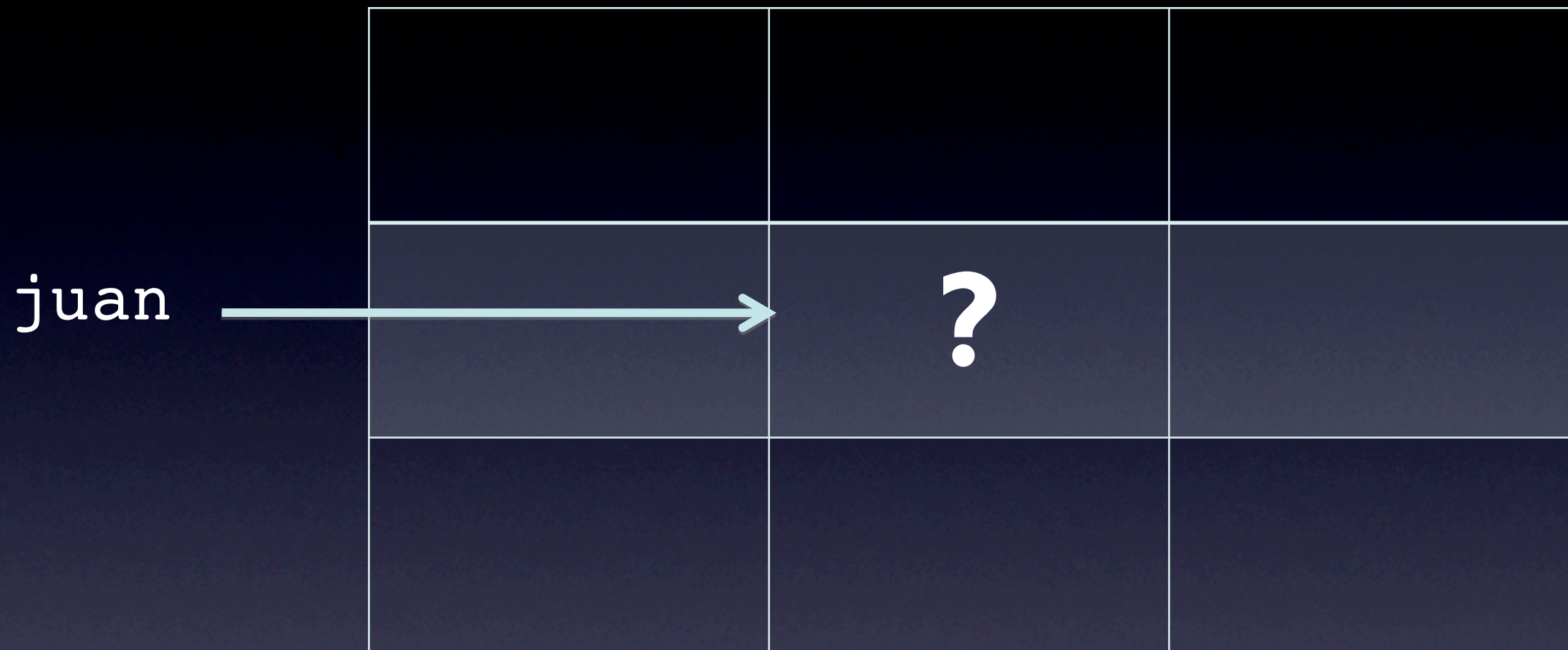
```
19 }
20
21 -(IBAction)operacionInvalida {
22     int a = [self valorA];
23     int b = [self valorB];
24     int resultado = a / b;
25     NSString *str = [[NSString alloc] initWithFormat:@"Resultado: %d", resultado];
26     etiqueta.text = str;
27 }
28 /*
29 // The designated initializer. Override to perform setup that is required before the v
30 - (id)initWithNibName:(NSString *)nibNameOrNil bundle:(NSBundle *)nibBundleOrNil {
31     if (self = [super initWithNibName:nibNameOrNil bundle:nibBundleOrNil]) {
32         // Custom initialization
33     }
34     return self;
35 }
```


Usando Zombies en iPhone



```
Persona *juan = [Persona new];  
[juan saludar];  
[juan release];
```


Usando Zombies en iPhone



```
[juan release];
```

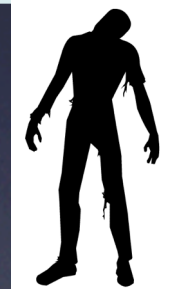
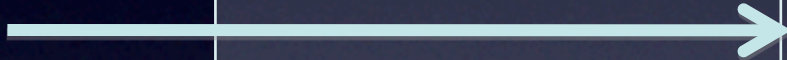
```
•  
•  
•
```

```
[juan release]; //EXC_BAD_ACCESS
```

Sin Zombies

Usando Zombies en iPhone

juan



```
[juan release];
```

•
•
•

```
[juan release]; //Sigue sin funcionar, pero el Zombie  
                //da más información en el Log.
```

Con Zombies

Usando Zombies en iPhone

- Son una herramienta útil para depurar.
- Se tiene que activar de manera explícita.
- Un Zombie no libera los recursos del objeto!
- Desactivar una vez que se encontró el error.*

