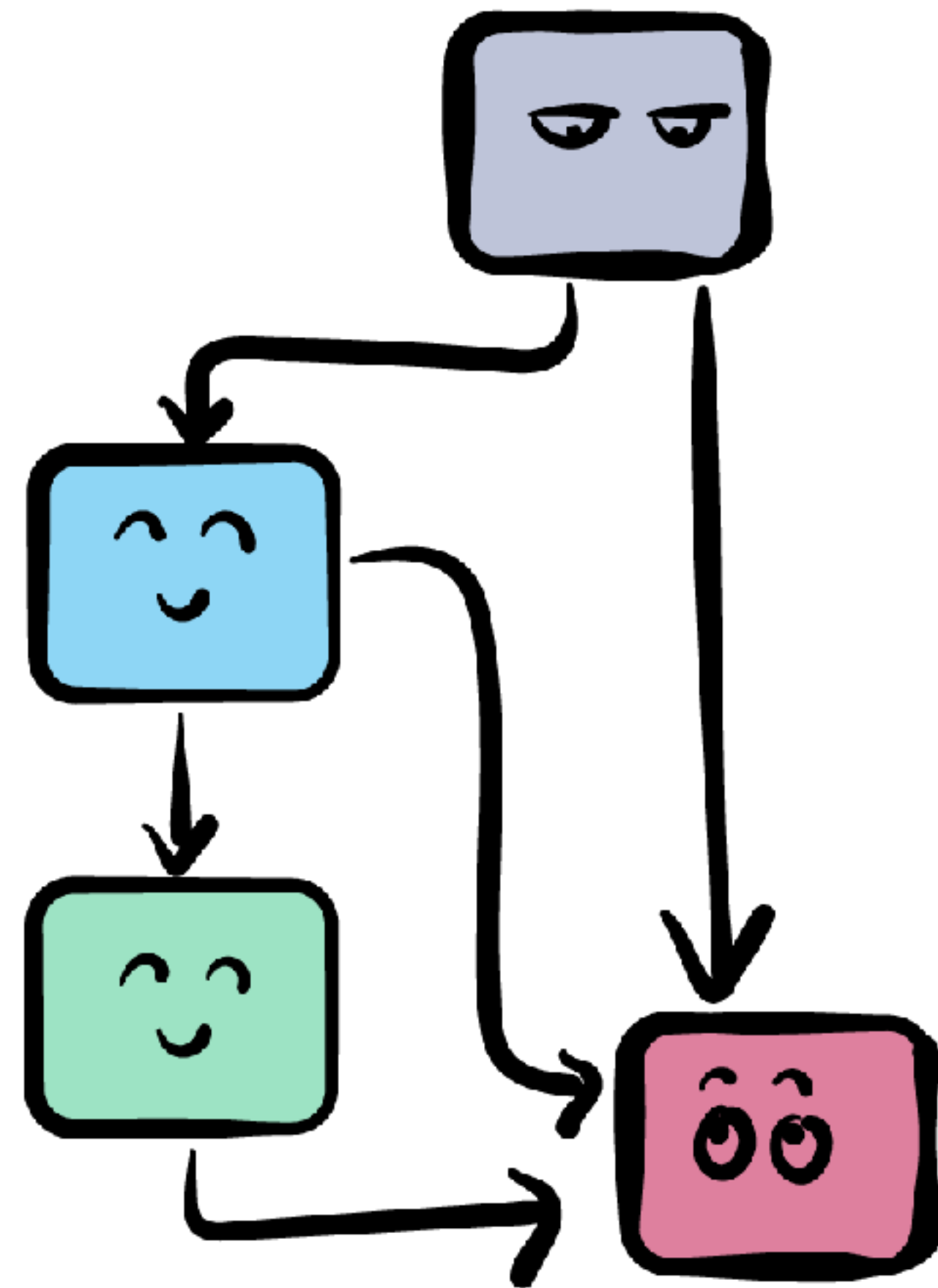
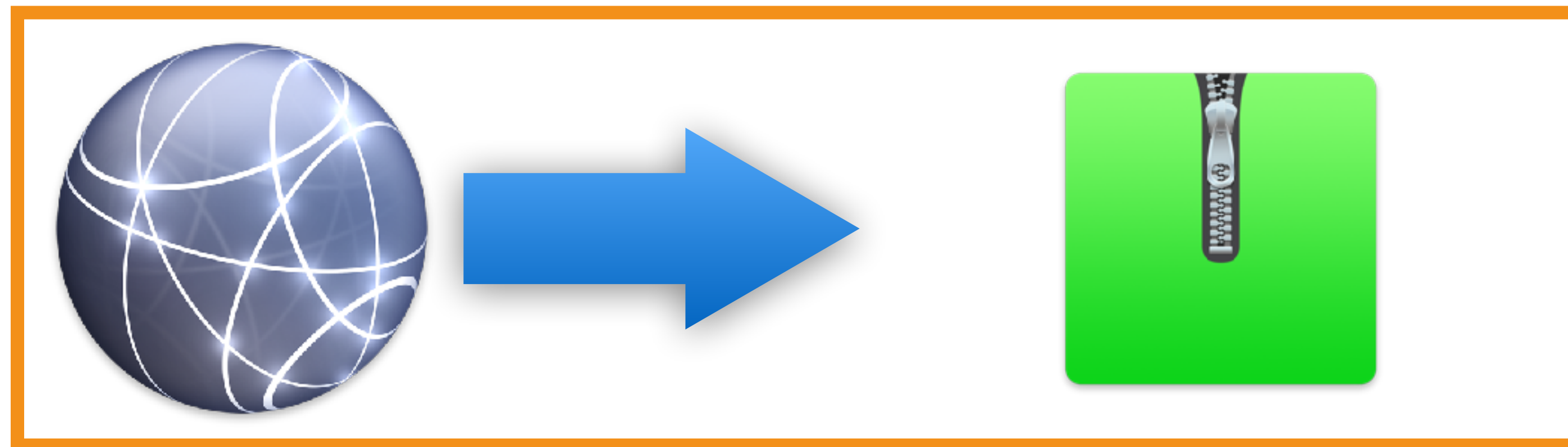


# »»» iOS ««« CONCURRENCY ..... WITH GCD & OPERATIONS



## PART 8: DEPENDENCIES

# LOAD AND DECOMPRESS



# LOAD AND DECOMPRESS



# OPERATION DEPENDENCIES

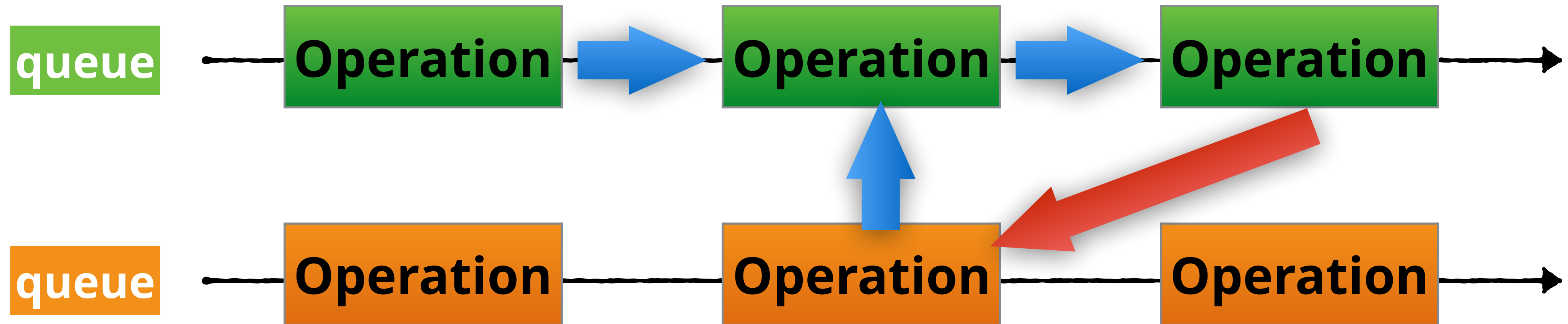
---

```
public class Operation : NSObject {  
    public func addDependency(op: Operation)  
    public func removeDependency(op: Operation)  
  
    public var dependencies: [Operation] { get }  
    ...  
}
```



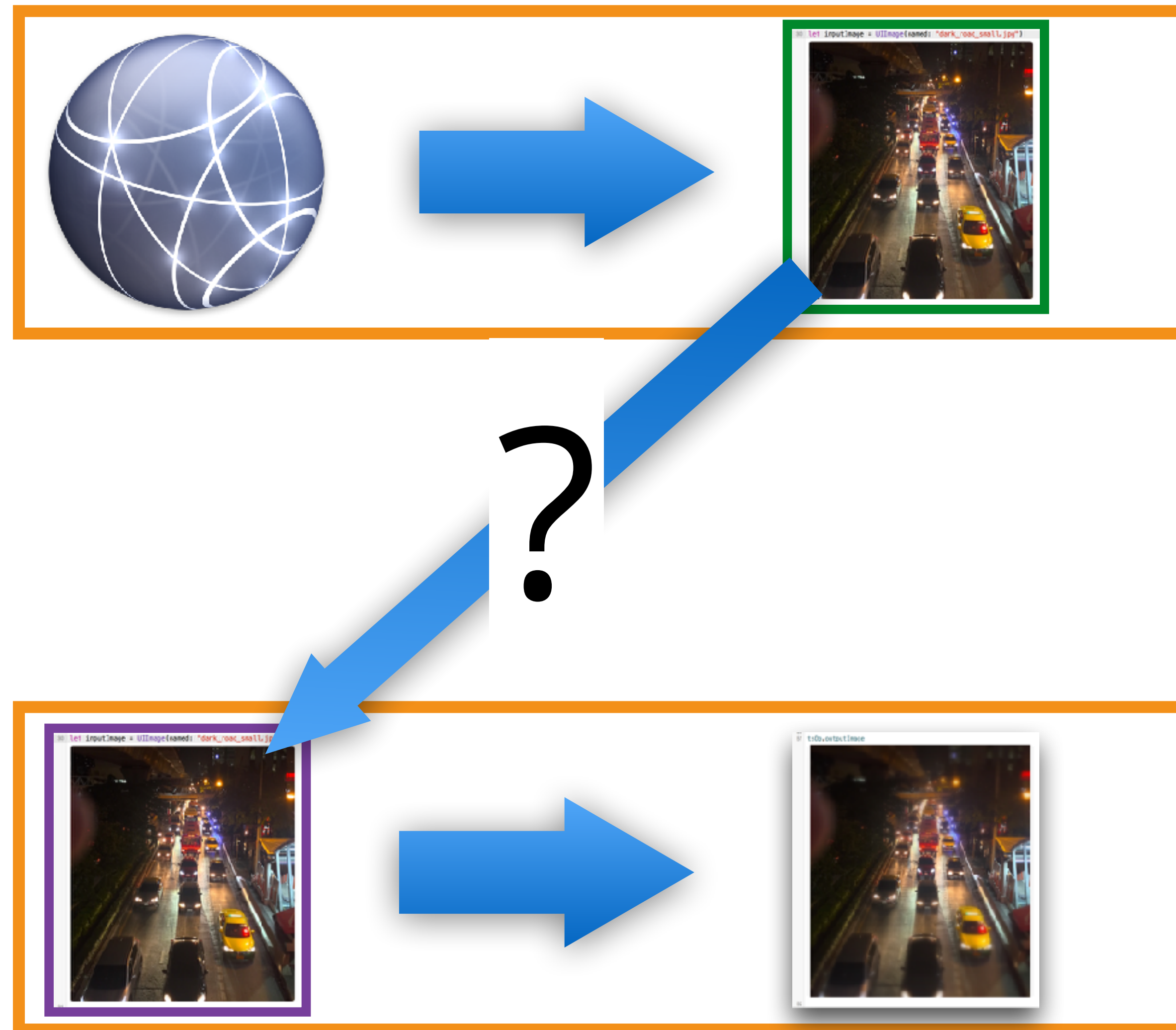
# DEADLOCK WARNING

---

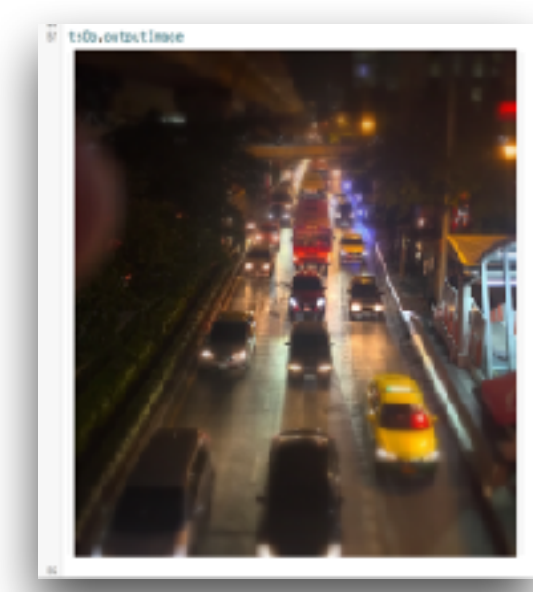
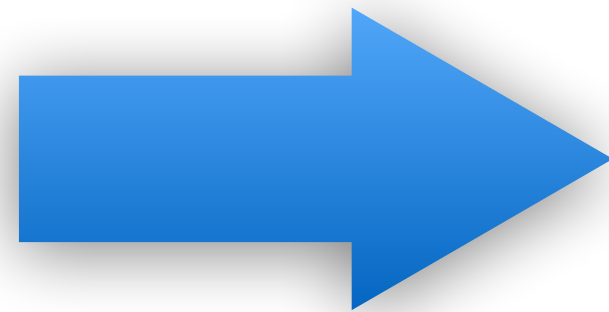
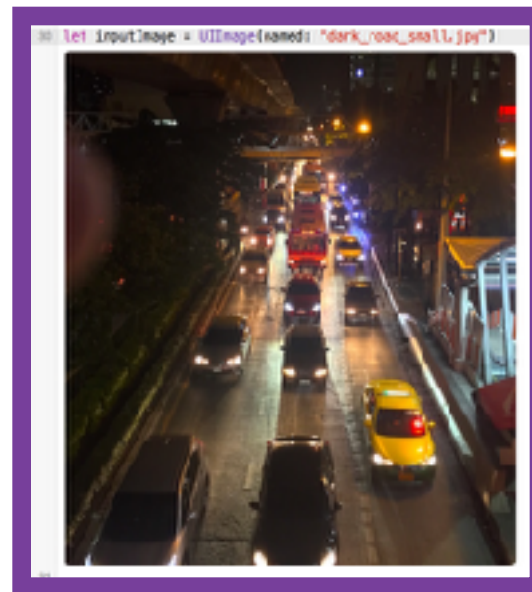
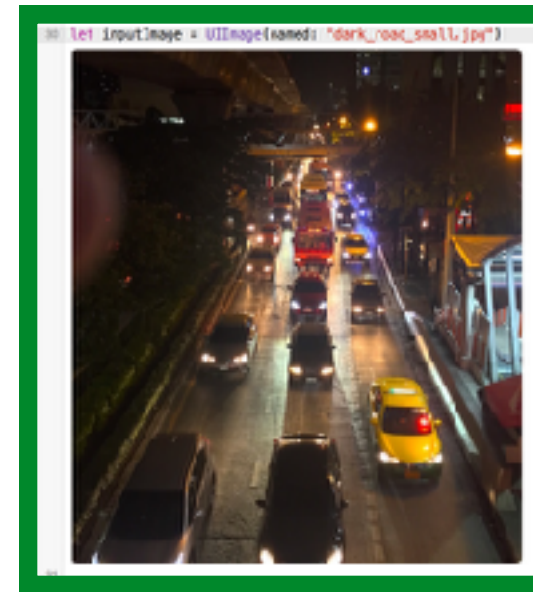
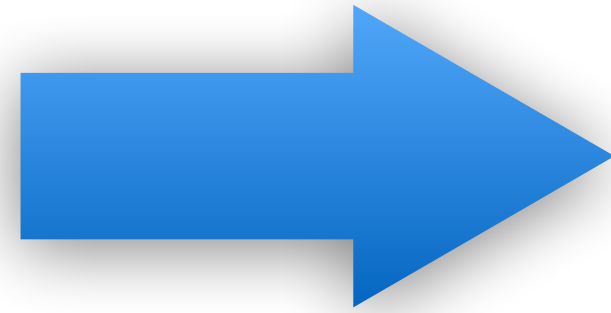




# PASSING DATA



# PASSING DATA



# PASSING DATA

---

```
protocol ImageFilterDataProvider {  
    var image: UIImage? { get }  
}  
  
extension ImageLoadOperation: ImageFilterDataProvider {  
    var image: UIImage? { return outputImage }  
}
```

```
if let imageProvider = dependencies  
    .filter({ $0 is ImageFilterDataProvider })  
    .first as? ImageFilterDataProvider {  
    inputImage = imageProvider.image  
}
```





# CHALLENGE TIME!

---

