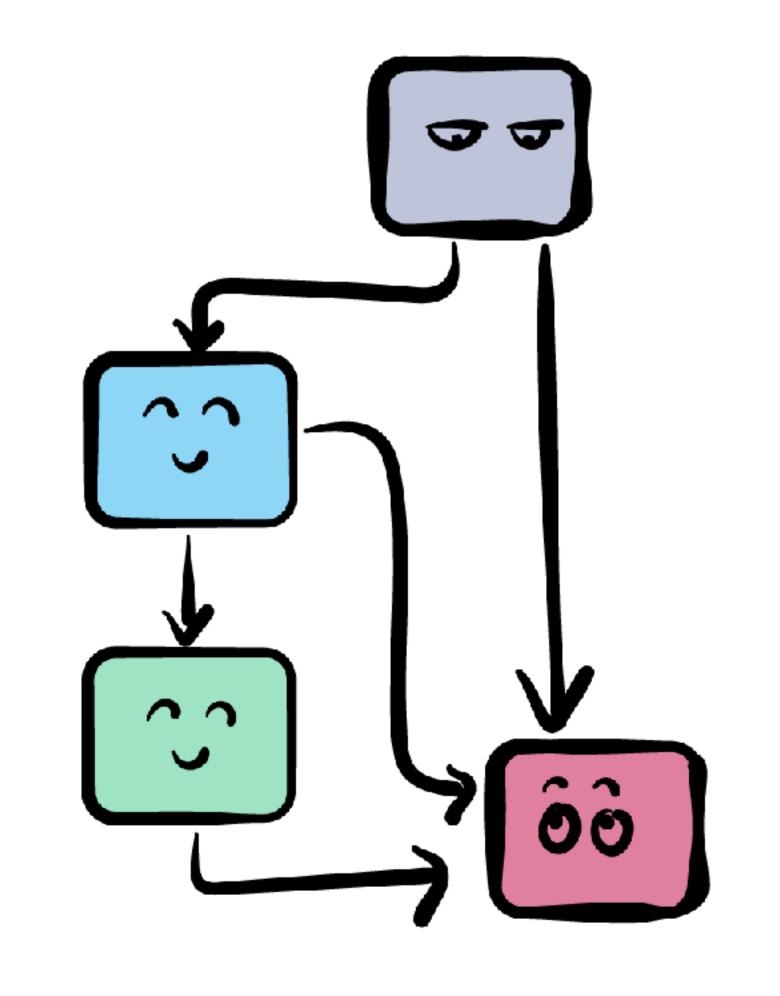
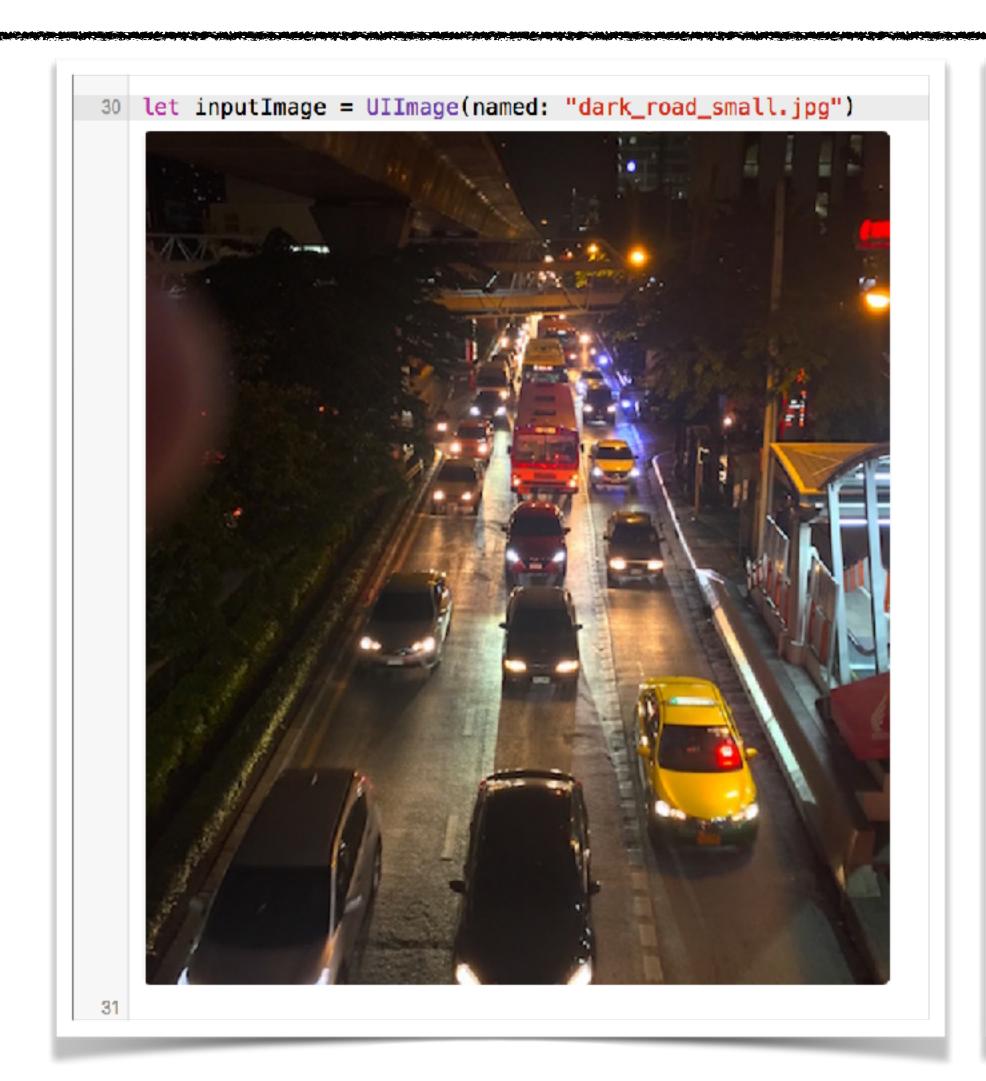
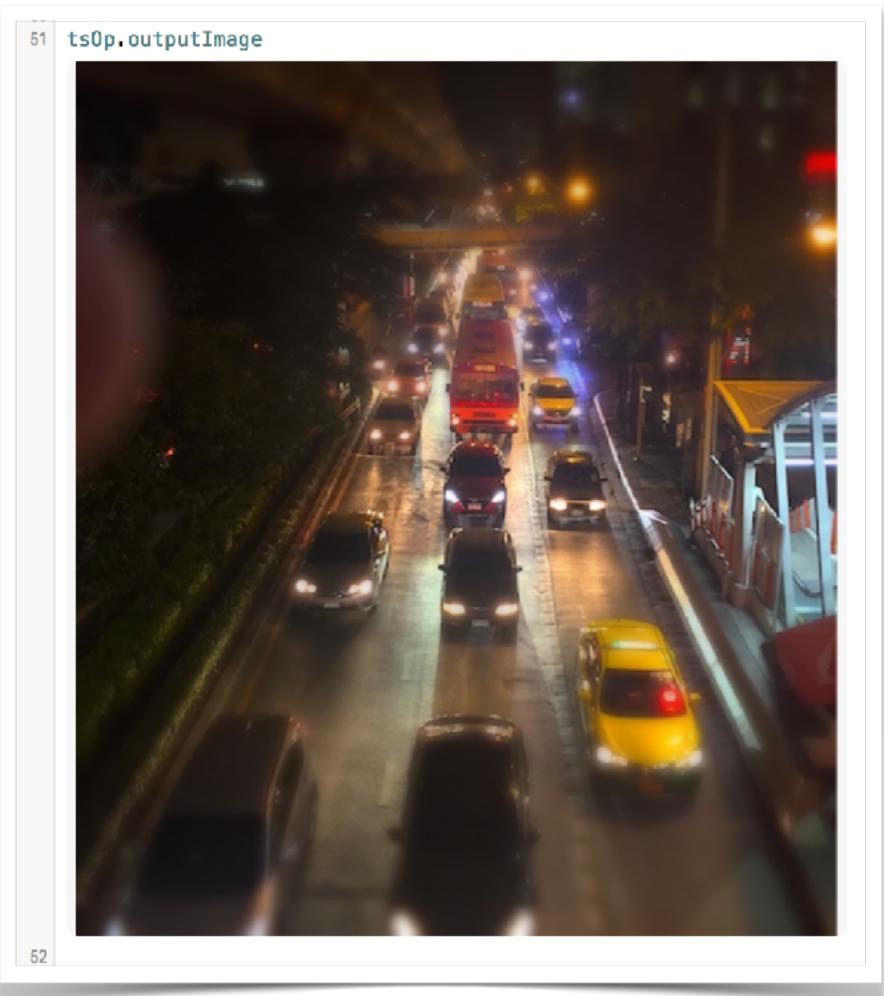
))))(S CONCURRENCY WITH GCD 3 OPERATIONS



PART 5: OPERATION

TILT-SHIFT OPERATION





OPERATION

```
let operation1 = {
  print("Operation 1 started")
  print("Operation 1 finished")
}
```

```
let operation2 = BlockOperation {
  print("Operation 2 started")
  print("Operation 2 finished")
}
```

```
class ImageTransformOperation: Operation {
  var inputImage: UIImage?
  var outputImage: UIImage?

  override func main() {
    outputImage = transform(image: inputImage)
  }
}
```



```
class TiltShiftOperation : NSOperation {
  var inputImage: UIImage?
  var outputImage: UIImage?

  override func main() {
    guard let inputImage = inputImage else { retu|rn }
    let mask = topAndBottomGradient(inputImage.size)
    outputImage = inputImage.applyBlurWithRadius(4, maskImage: mask)
  }
}
```

Operation

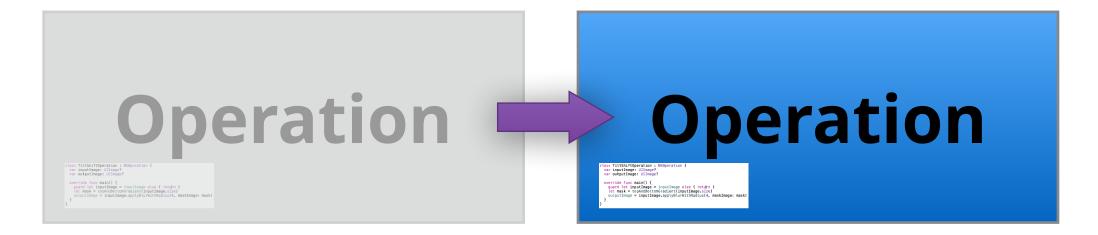


Operation







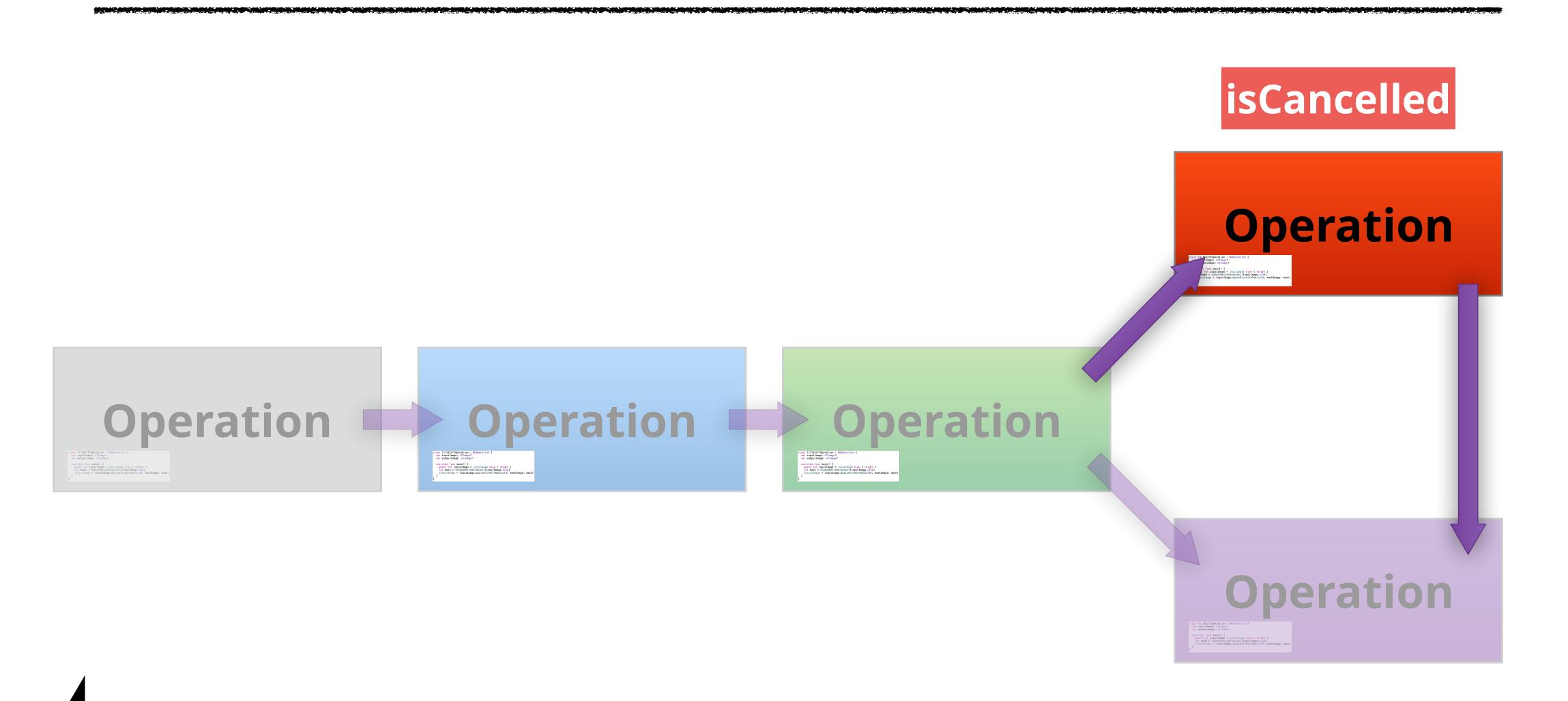


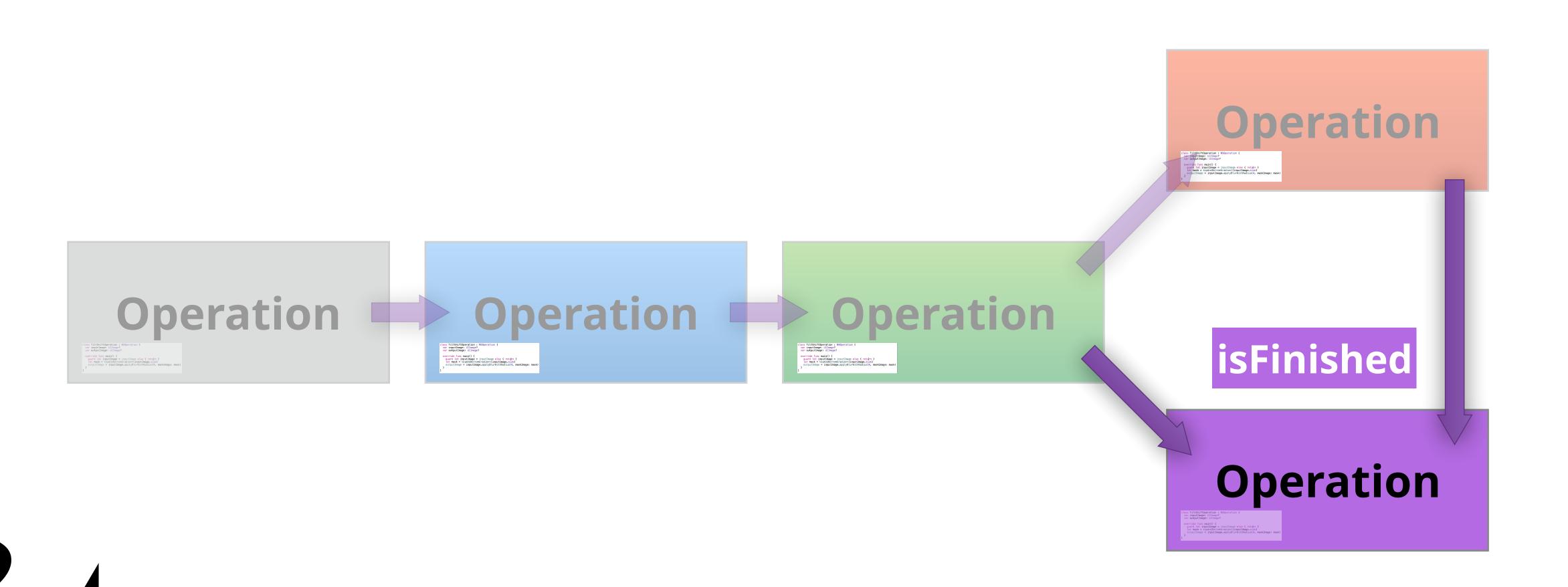


isExecuting









OPERATION CLASS

```
open class Operation : NSObject {
 open func start()
 open func main()
 open var isCancelled: Bool { get }
 open func cancel()
  open var isExecuting: Bool { get }
 open var isFinished: Bool { get }
 open var isAsynchronous: Bool { get }
 open var isReady: Bool { get }
 open var completionBlock: (() -> Swift.Void)?
 open var qualityOfService: QualityOfService
 open var name: String?
```



BLOCKOPERATION CLASS

```
open class BlockOperation : Operation {
   public convenience init(block: @escaping () -> Swift.Void)
   open func addExecutionBlock(_ block: @escaping () -> Swift.Void)
   open var executionBlocks: [() -> Swift.Void] { get }
}
```



CHALLENGE TIME!

