

Swift Programming

Properties & Methods

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Properties

Methods

Properties & Methods in Objective-C

Properties

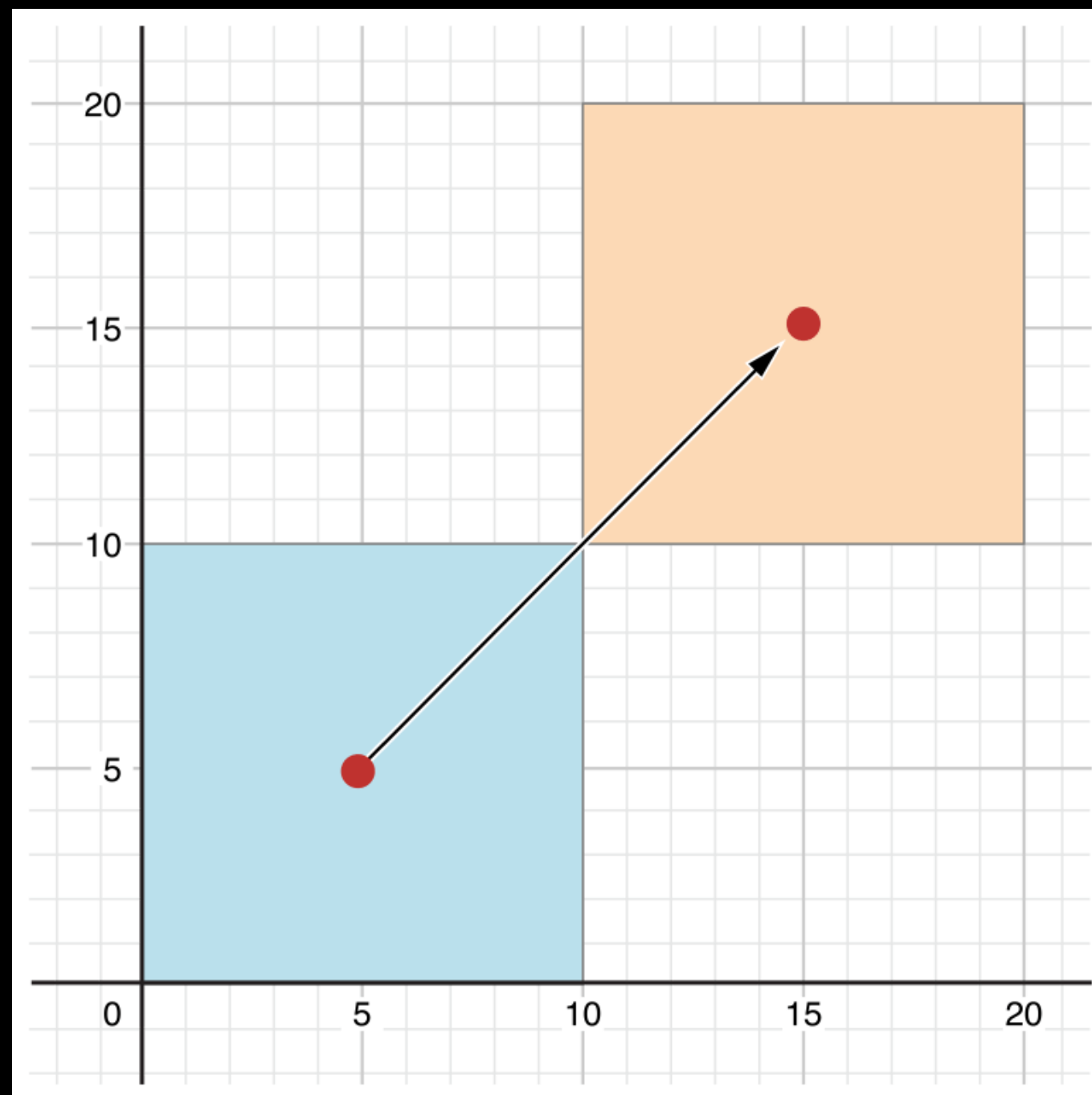
Stored Properties

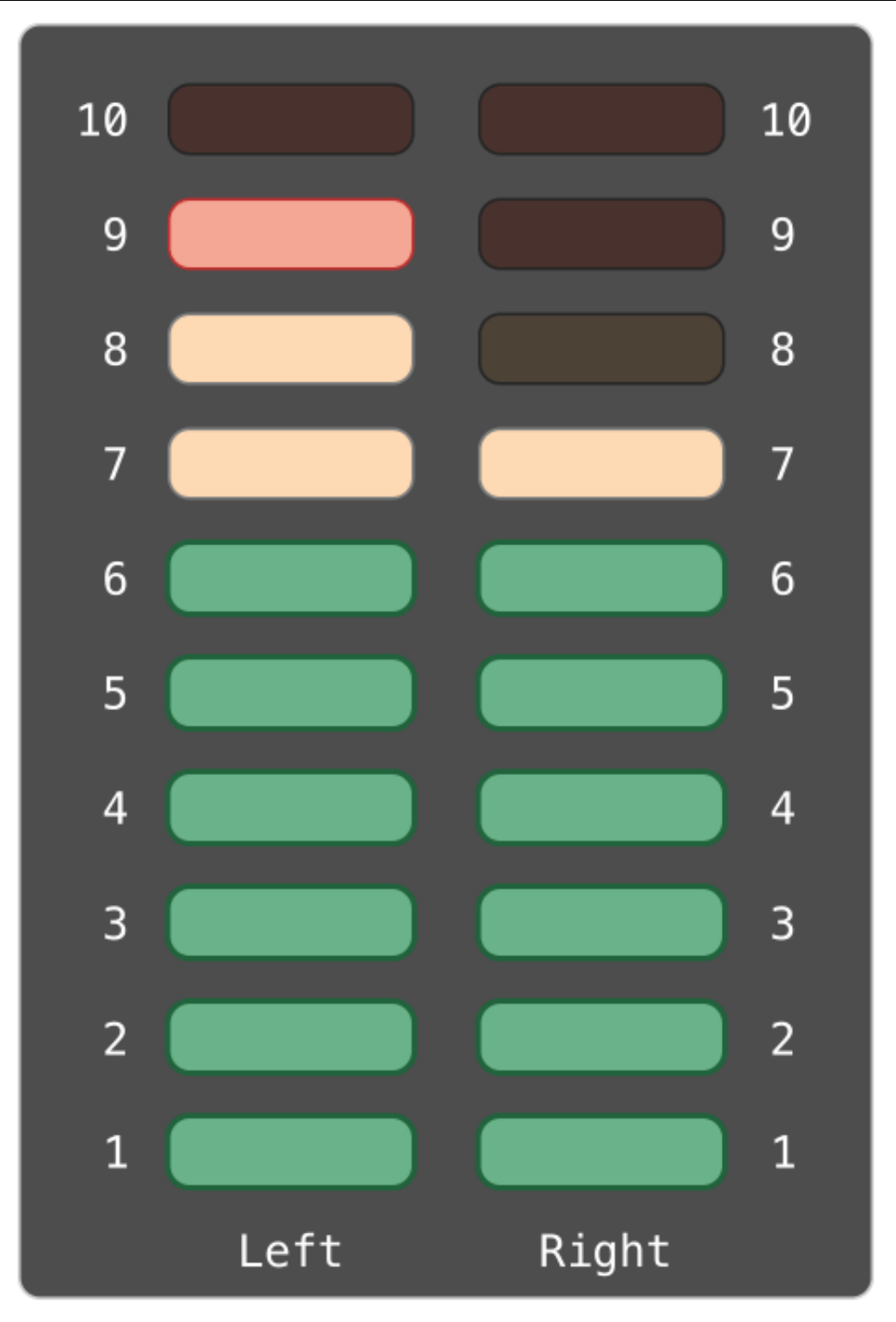
Computed Properties

Property Observers

Global and Local Variables

Type Properties





Methods

Instance Methods

The `self` Property

The `mutating` Keyword

Type Methods

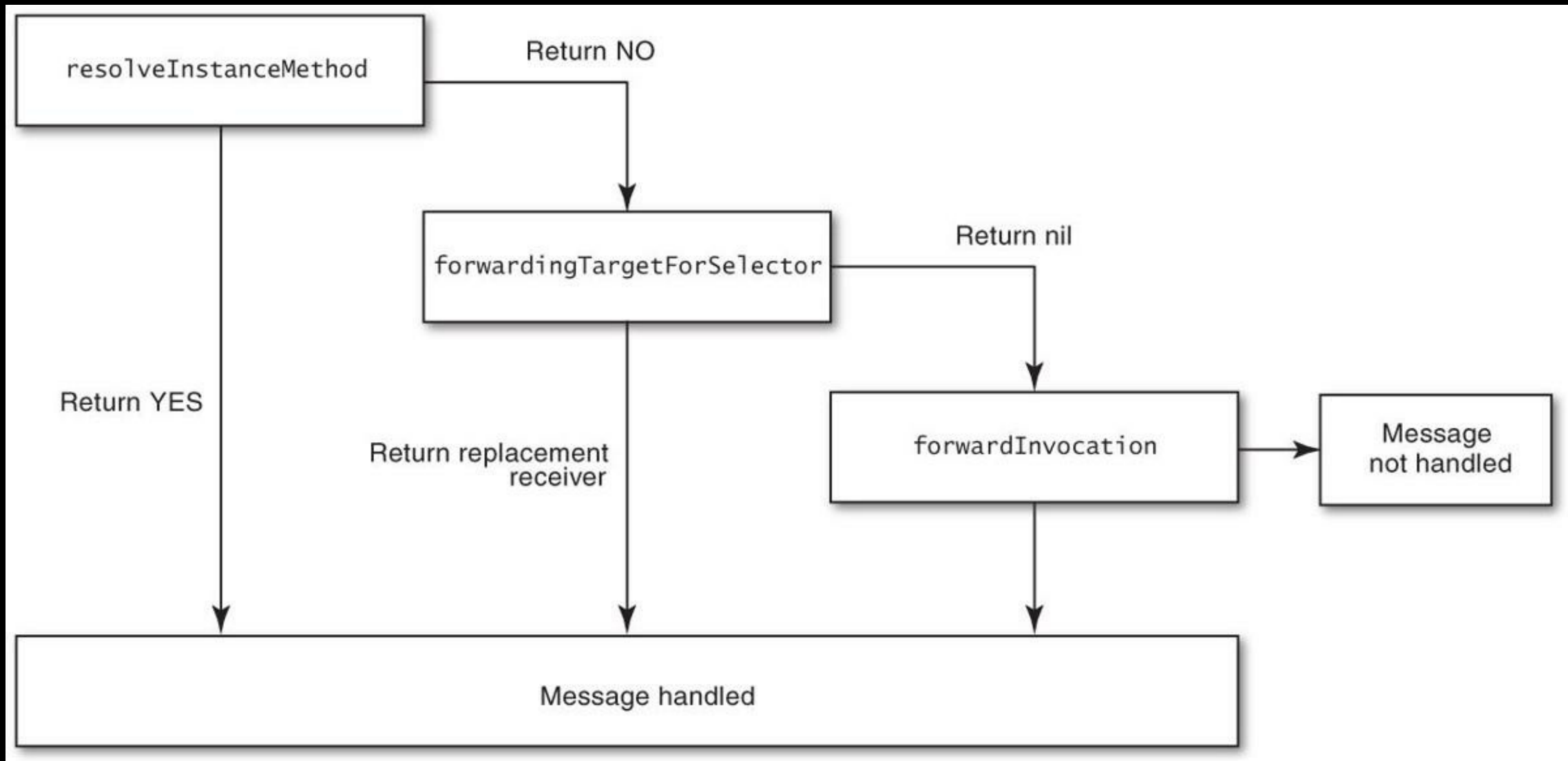
Properties & Methods in Objective-C

- Property Attributes
- Instance Variables
- Getter & Setter
- KVC & KVO

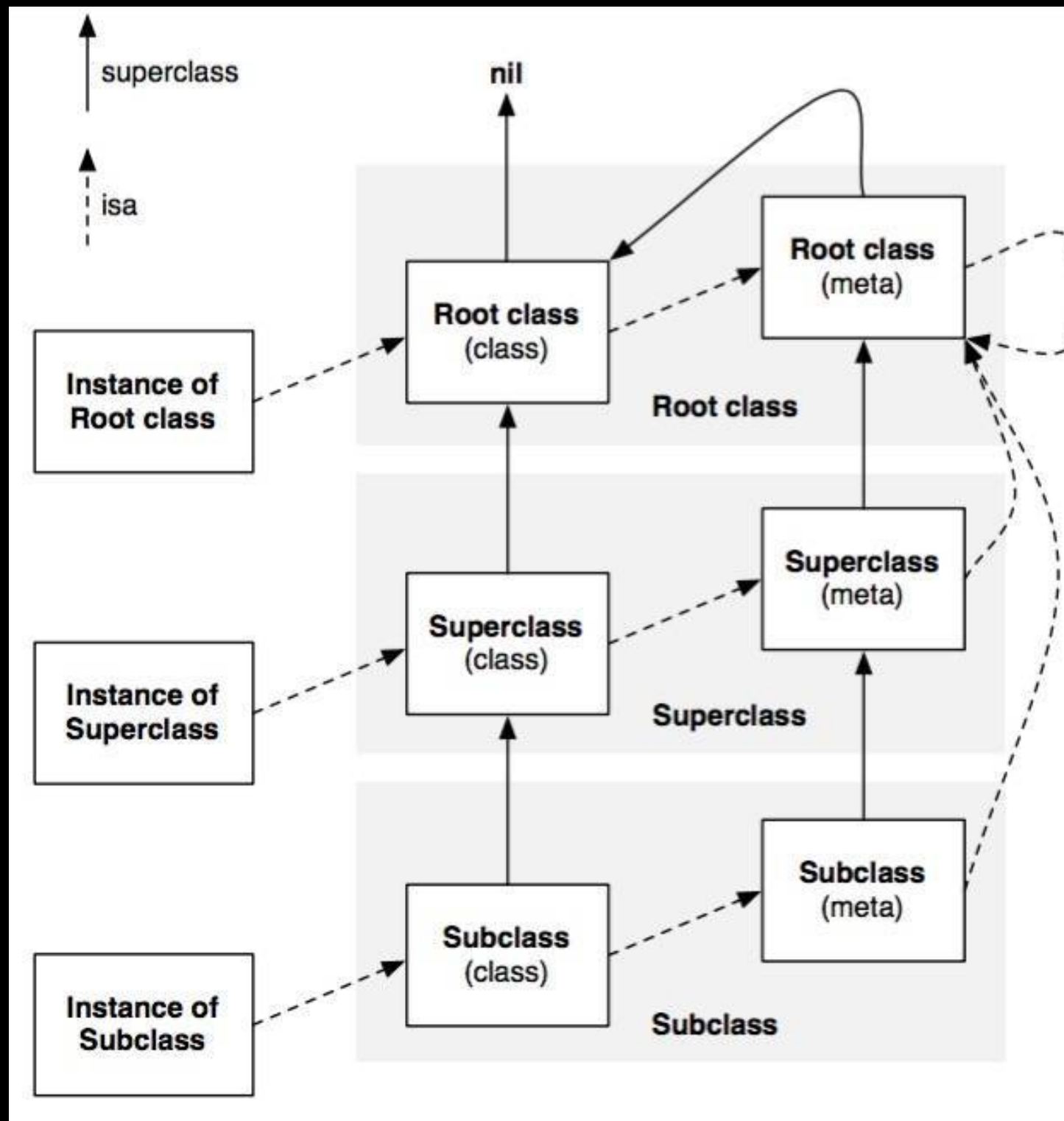
Q: Can we add stored properties in Swift extension?

Swift & Objective-C Runtime

- Selector
- Associated Object
- objc_msgSend
- Message Forwarding
- Method Swizzling
- Object Model



Method Forwarding



Object Model

References

- [1] Apple. *Properties — The Swift Programming Language*. swift.org, 2019.
- [2] Apple. *Methods — The Swift Programming Language*. swift.org, 2019.
- [3] Keith Harrison. *Objective-C Class Properties*. Use Your Loaf, Aug 8, 2016.
- [4] Matt Mathias. *Protocol-Oriented Problems and the Immutable ‘self’ Error*. Big Nerd Ranch, April 28, 2016.
- [5] David Gomez. *What is “self” used for in Swift?* Stack Overflow, Nov 10, 2015
- [6] Matt Galloway. *Effective Objective-C 2.0*, 2013.
- [7] 王巍. *Swifter - Swift 开发者必备（第四版）*, 2018.
- [8] Chris Eidhof, Ole Begemann, Airspeed Velocity. *Advanced Swift*. 2018.

Thanks