Intro to Auto Layout

Debugging Auto Layout

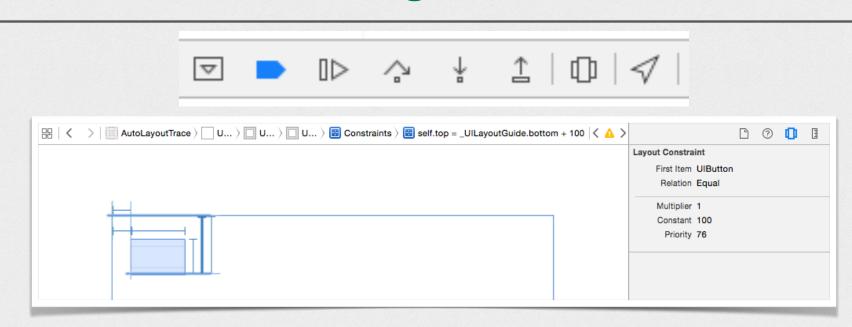
Layout Constraints

- NSLayoutConstraint public
- ❖ NSContentSizeLayoutConstraint private
- NSAutoresizingMaskLayoutConstraint private
- * NSIBPrototypingLayoutConstraint private
- _UILayoutSupportConstraint private



Debugging Logs

Using Xcode



UIView debug methods

po label.hasAmbiguousLayout()
expr label.exerciseAmbiguityInLayout()

```
v 5 elements
- [0]: <NSContentSizeLayoutConstraint:0x7feb0a447280 H:[UILabel:
0x7feb0a516060'Label'(42)] Hug:251 CompressionResistance:750>
- [1]: <NSLayoutConstraint:0x7feb0a52a020 UILabel:0x7feb0a516060'Label'.centerX ==
UIButton:0x7feb0a51cc70'Button'.centerX>
- [2]: <NSLayoutConstraint:0x7feb0a52a070 UIButton:0x7feb0a51cc70'Button'.centerX
== UIView:0x7feb0a526780.centerX>
- [3]: <NSAutoresizingMaskLayoutConstraint:0x7feb0a40b910 h=-&- v=-&- 'UIView-
Encapsulated-Layout-Left' H: |-(0)-[UIView:0x7feb0a526780] (Names:
'|':UIViewControllerWrapperView:0x7feb0a648610 )>
- [4]: <NSLayoutConstraint:0x7feb0a40d600 'UIView-Encapsulated-Layout-Width' H:
[UIView:0x7feb0a526780(320)]>
```

Demo



Challenge

