

COLLECTION VIEWS

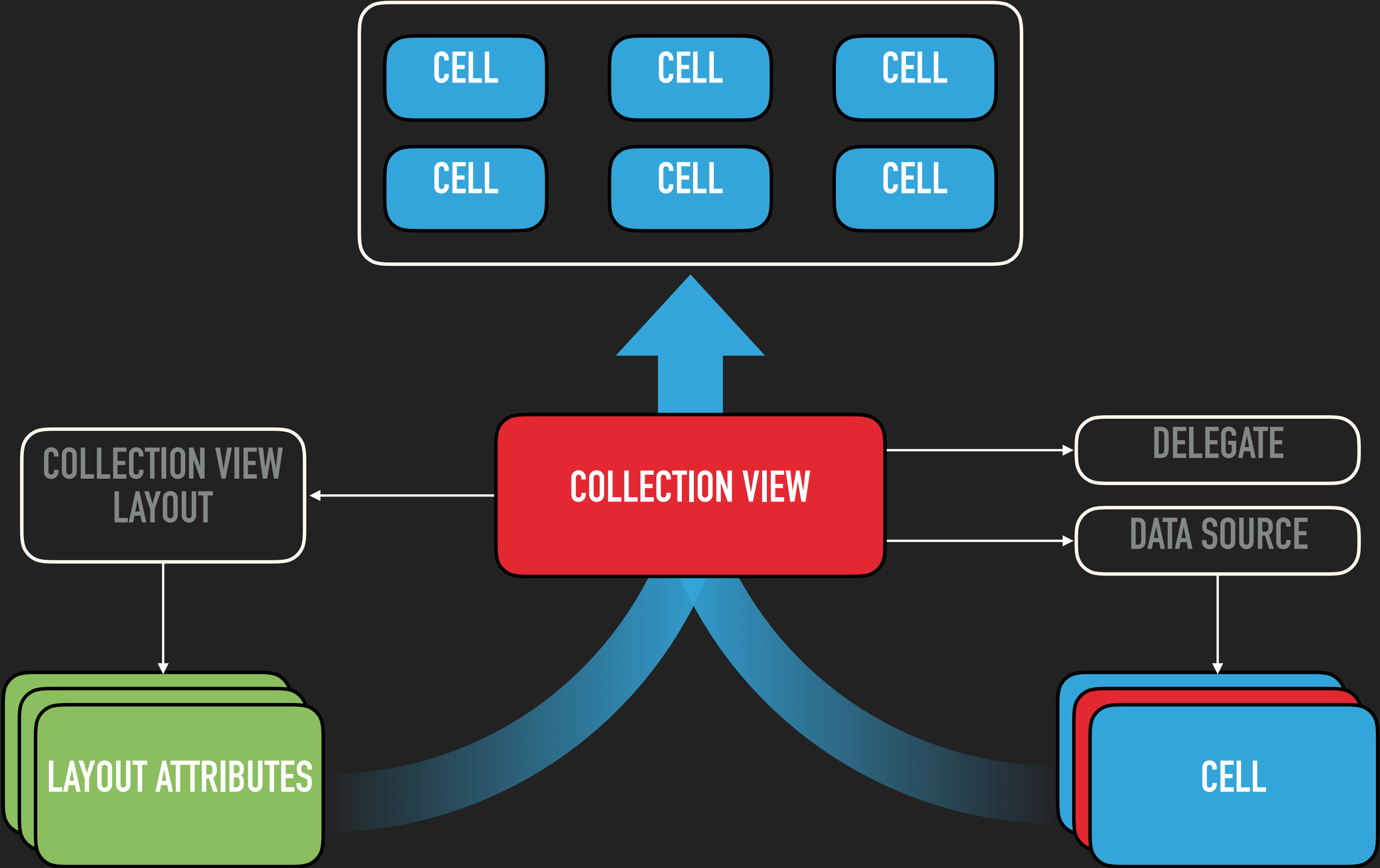
WHAT WE'LL COVER

- ▶ Collaboration of objects to display a collection view
- ▶ Flow Layout
- ▶ Customizing the Flow Layout

COLLECTION VIEW

BASICS

A COLLABORATION OF OBJECTS



COLLECTION VIEW OBJECTS

PURPOSE

CLASSES/PROTOCOLS

Top-Level Containment and Management

UICollectionView
UICollectionViewController

Content Management

UICollectionViewDataSource
UICollectionViewProtocol

Presentation

UICollectionViewReusableView
UICollectionViewCell

Layout

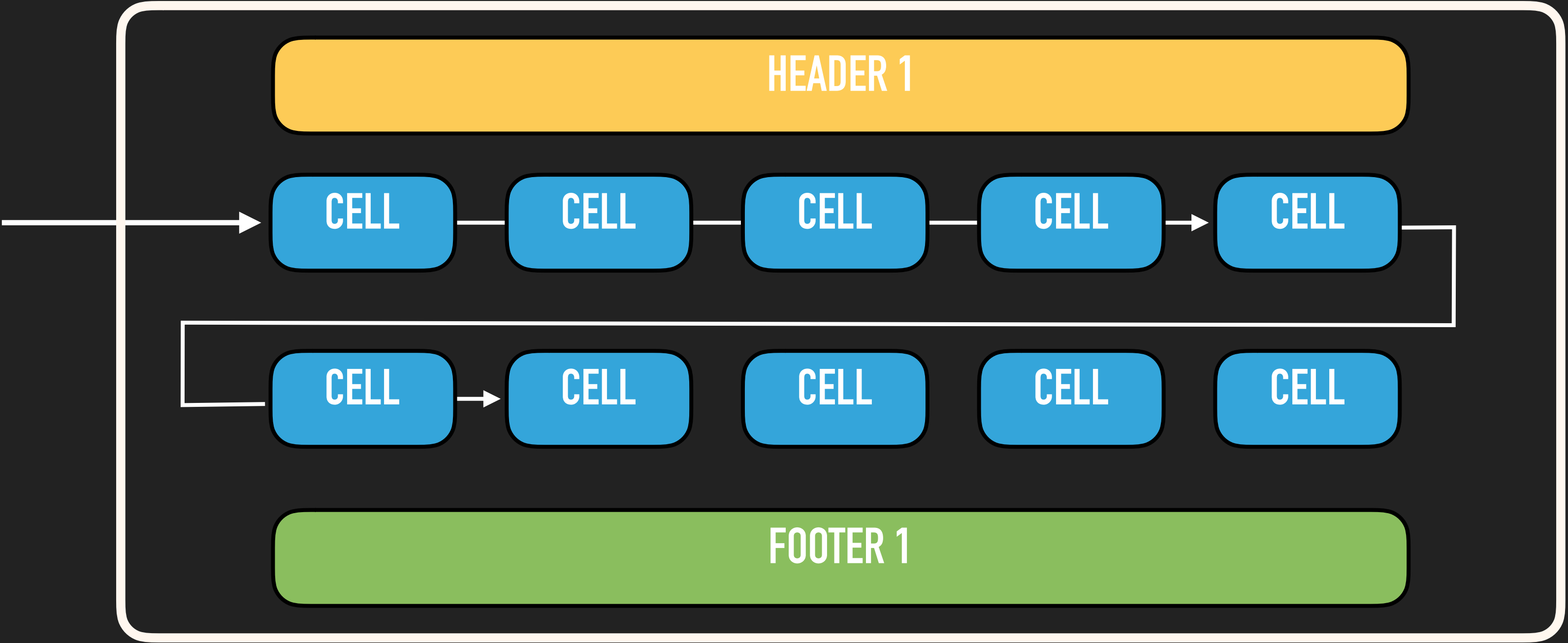
UICollectionViewLayout
UICollectionViewLayoutAttributes
UICollectionViewUpdateItem

Flow Layout

UICollectionViewFlowLayout
UICollectionViewDelegateFlowLayout

FLOW LAYOUT

FLOW LAYOUT

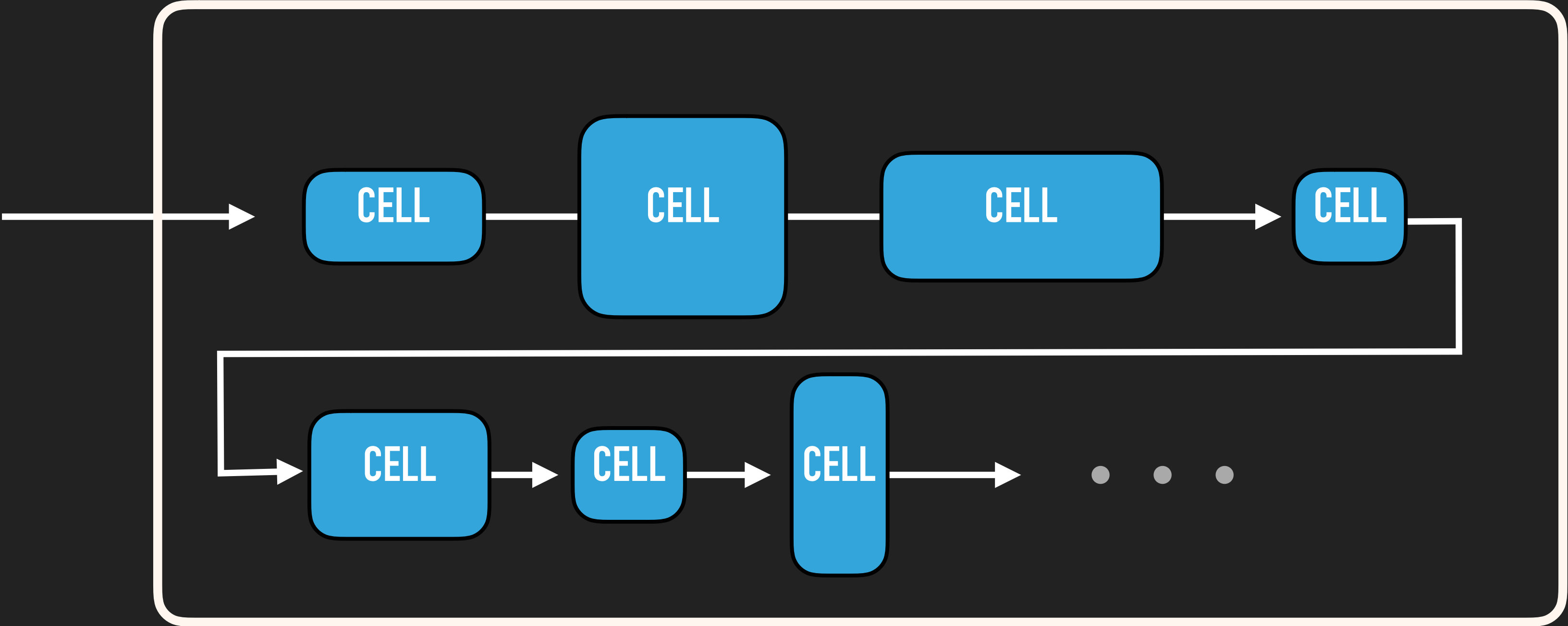


STEPS FOR CONFIGURING THE FLOW LAYOUT

1. Create a flow layout object and assign it to your collection view.
2. Configure the width and height of the cells
3. Set the spacing options (as needed) for the lines and items
4. If you want section headers or section footers, specify their size
5. Set the scroll direction for the layout

**CUSTOMIZING
THE FLOW LAYOUT
ATTRIBUTES**

ITEM SIZE



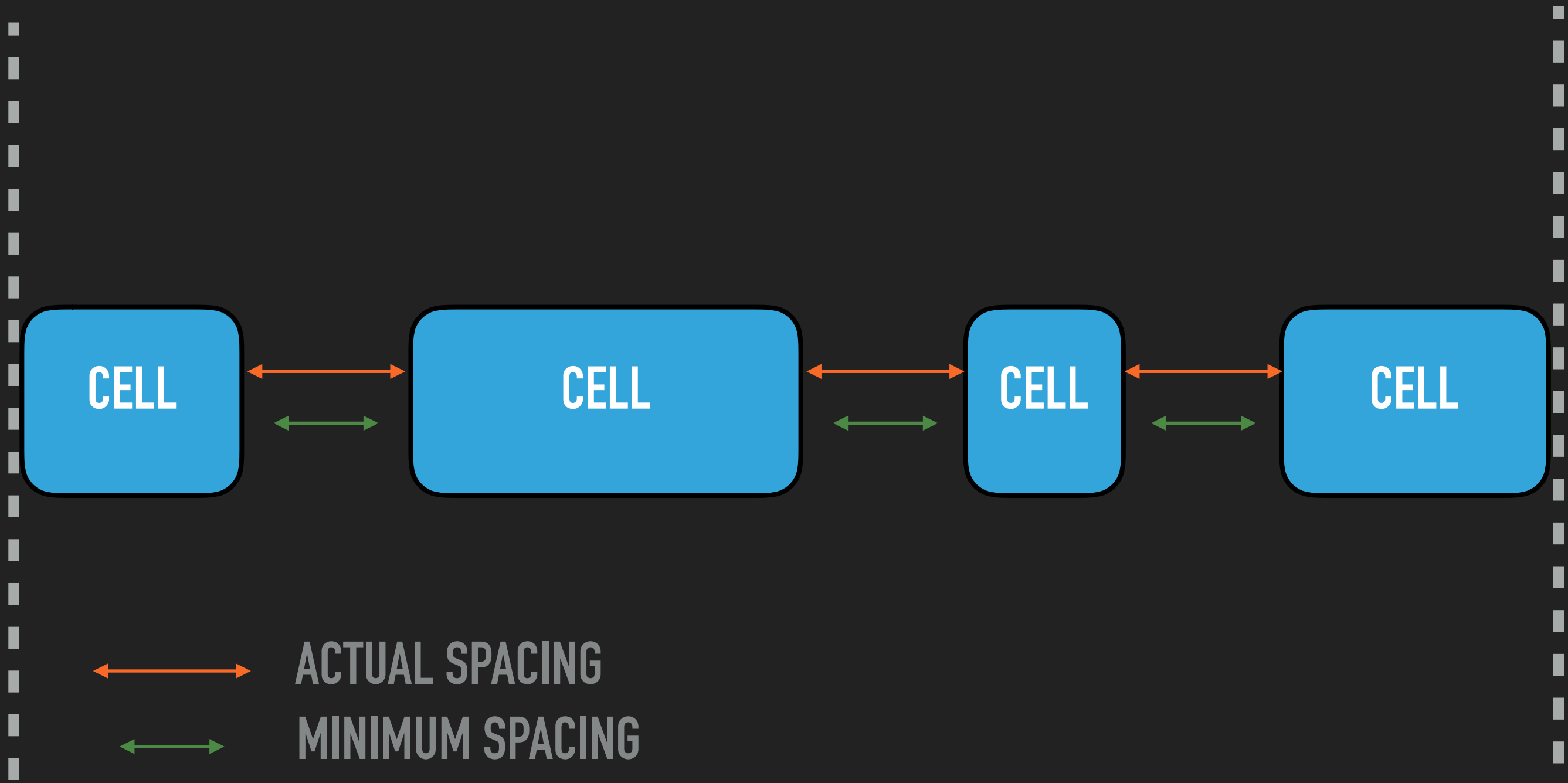
PROPERTY

`itemSize`

DELEGATE METHOD

`collectionView:layout:sizeForItemAtIndexPath:`

INTERITEM SPACING



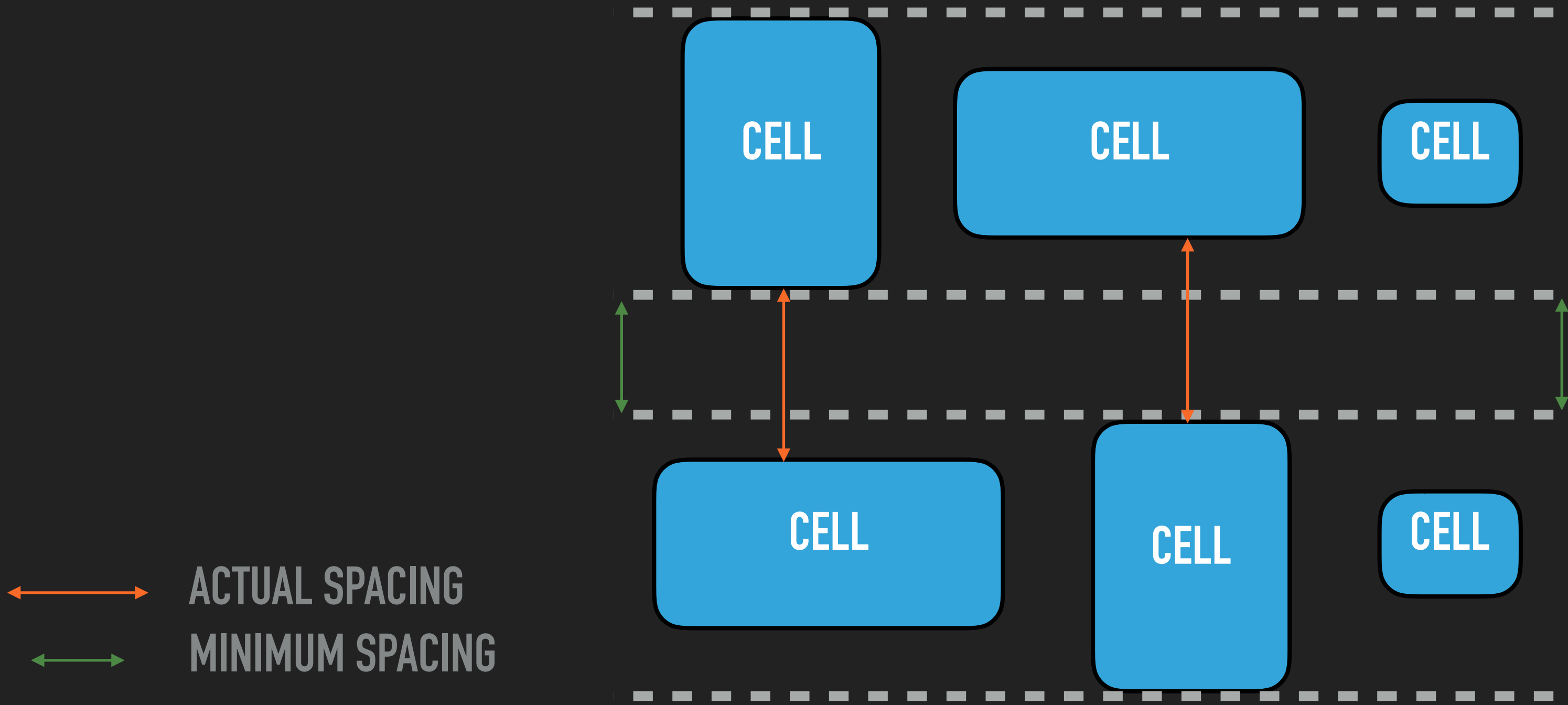
PROPERTY

```
minimumInteritemSpacing
```

DELEGATE METHOD

```
collectionView:layout:  
minimumInteritemSpacingForSectionAtIndex:
```

LINE SPACING



ACTUAL SPACING
MINIMUM SPACING

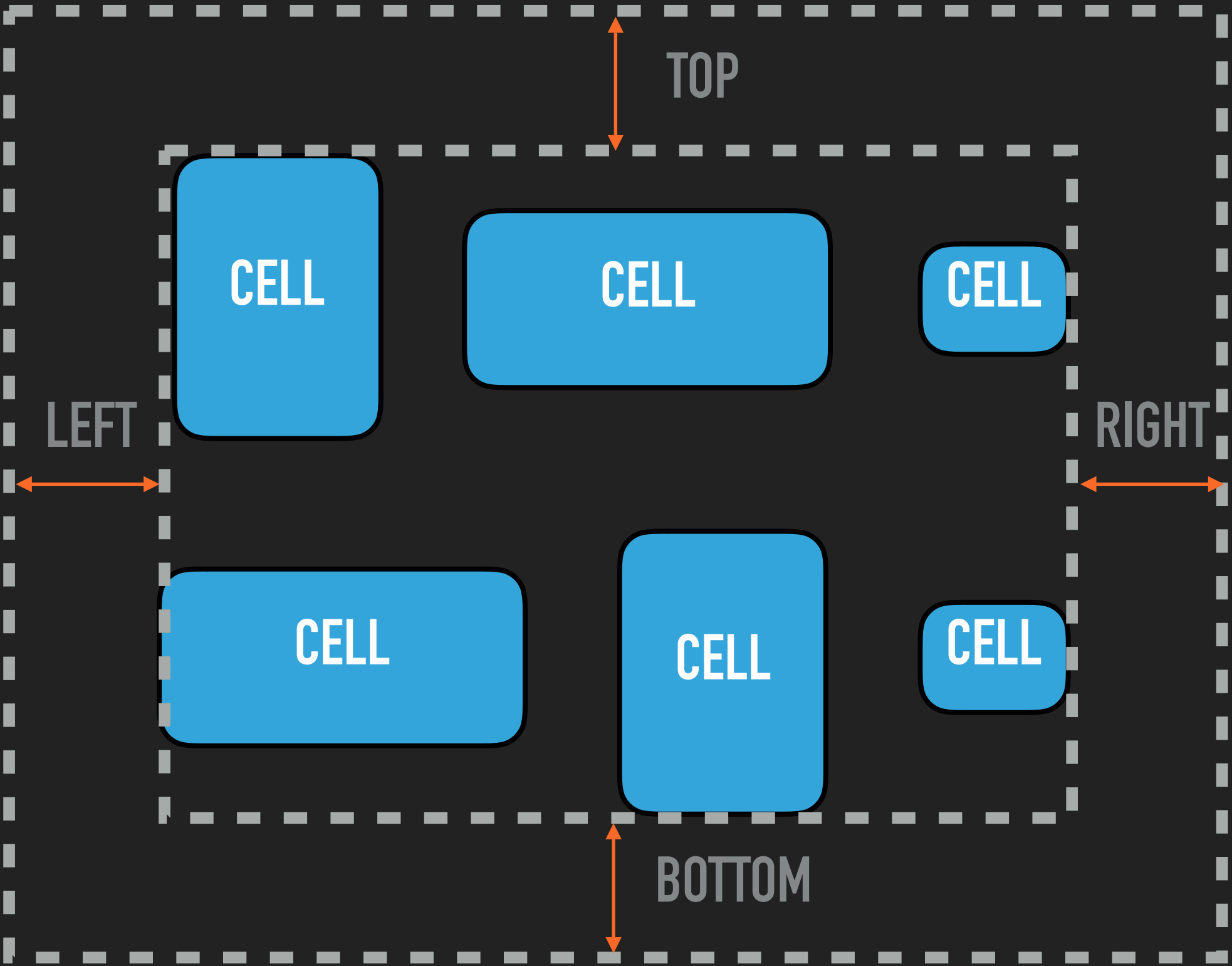
PROPERTY

`minimumLineSpacing`

DELEGATE METHOD

`collectionView:layout:
minimumLineSpacingForSectionAtIndex:`

SECTION INSETS



PROPERTY

`sectionInset`

DELEGATE METHOD

`collectionView:layout:
insetForSectionAtIndex:`

QUESTIONS?