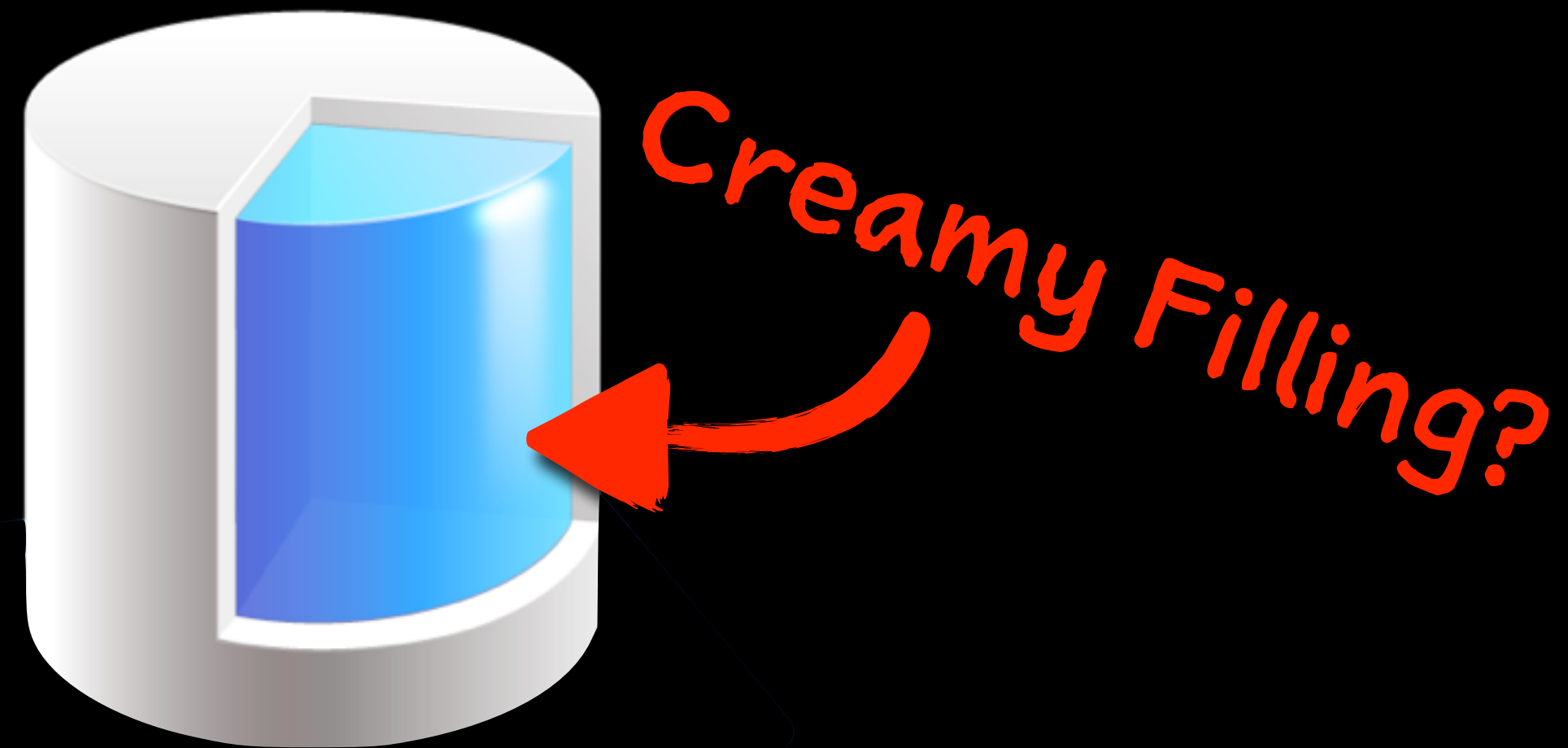


# NSIncrementalStore

*Journey To The Center Of Core Data*





@jonathanpenn



**RUBBER CITY  
WIZARDS**

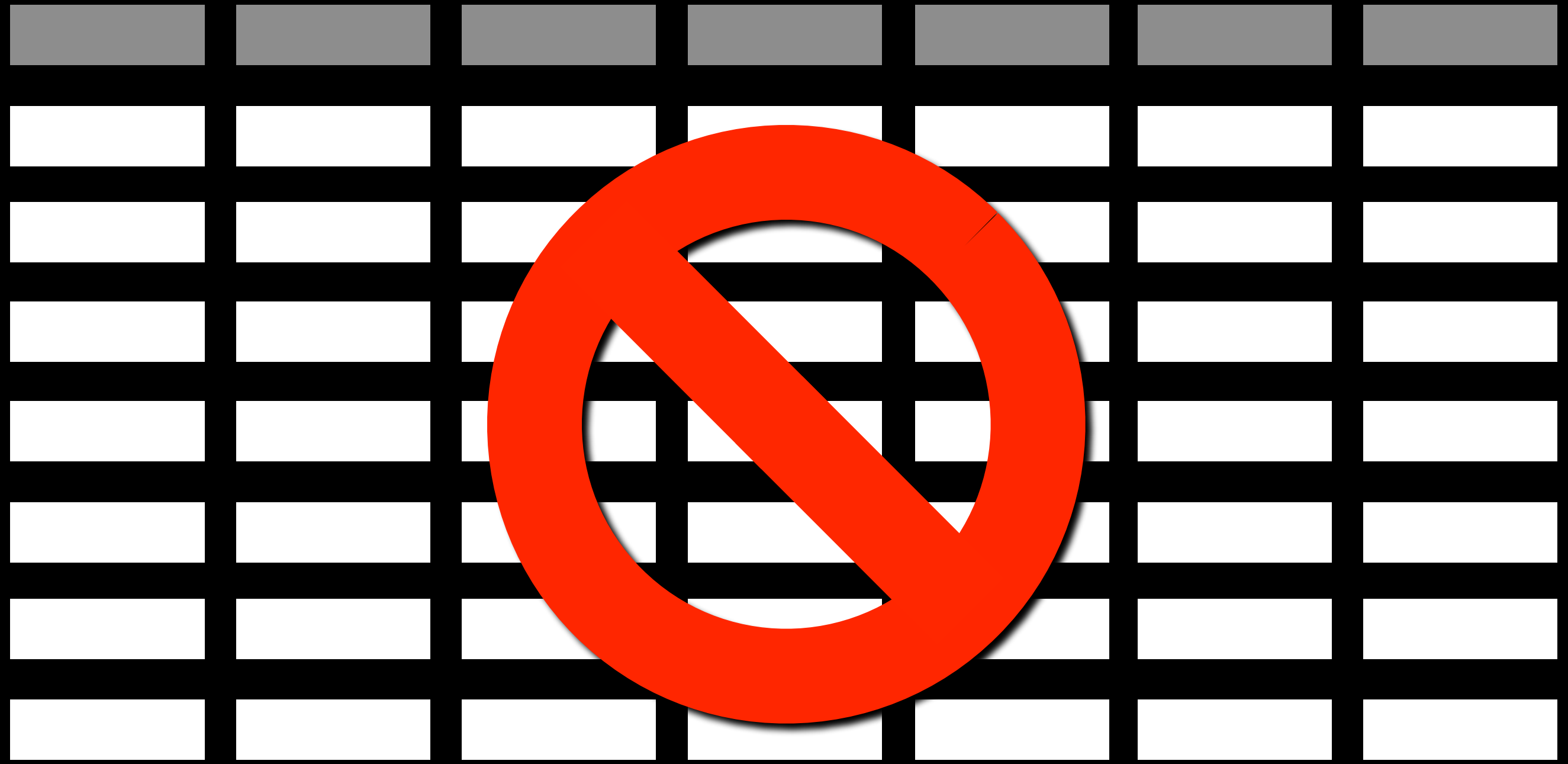
# Goals

**1. Understand Core Data**

**2. Explore A Non-trivial Problem**

**Slides 'n Sample Code**

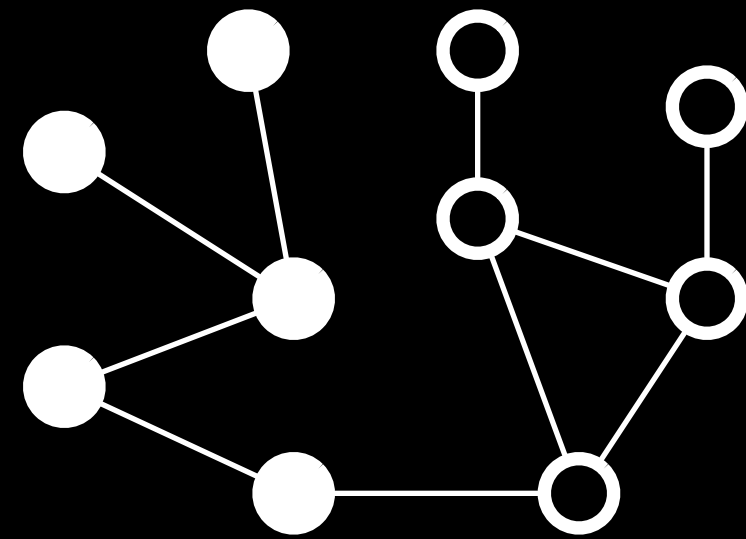
**[cocoamanifest.net/features](http://cocoamanifest.net/features)**



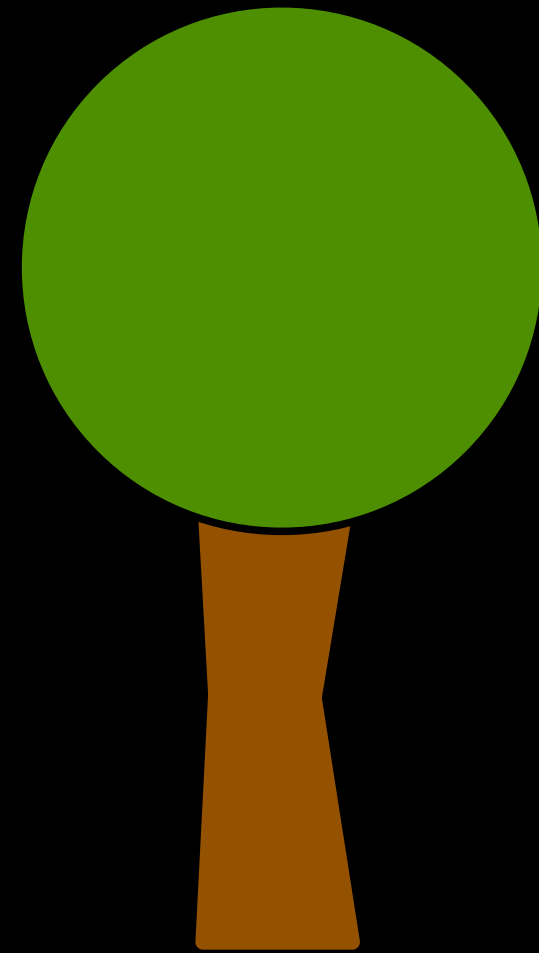
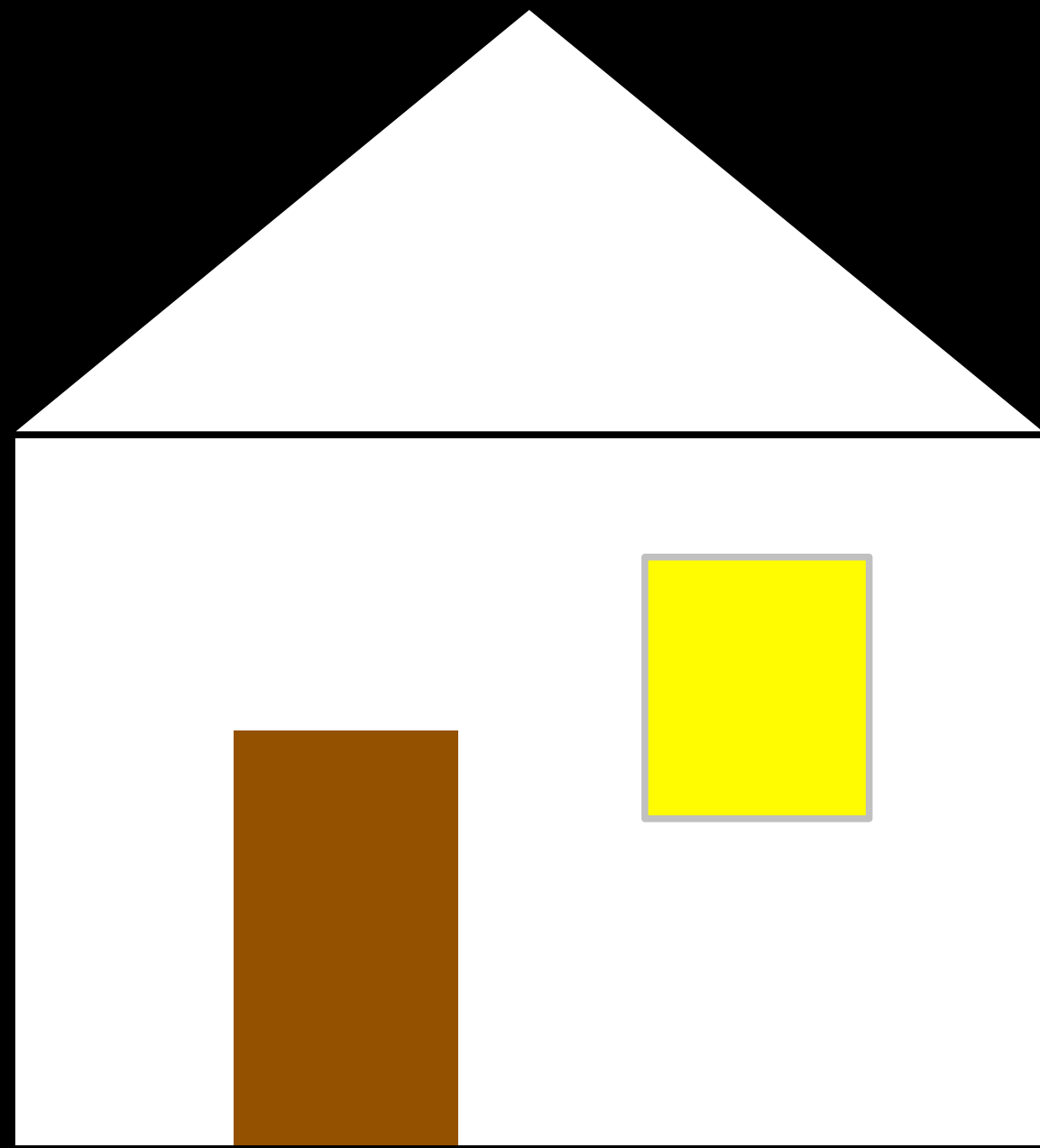
...

*Mmmmm, goodies!*

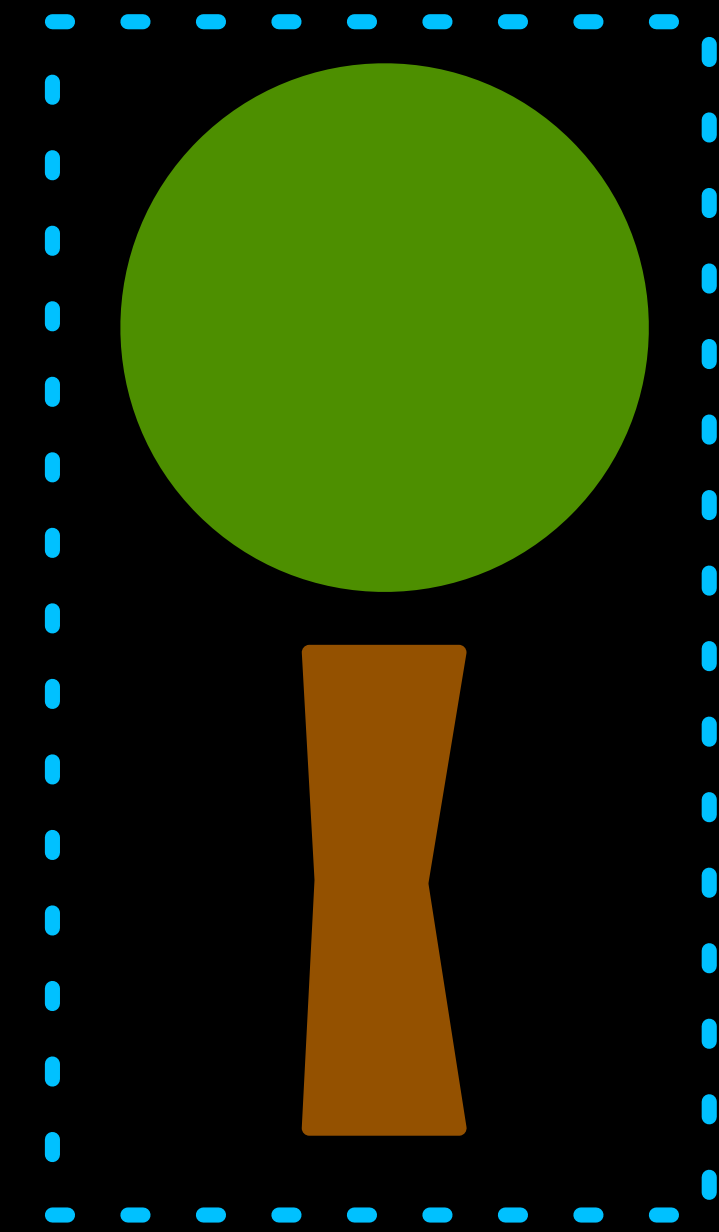
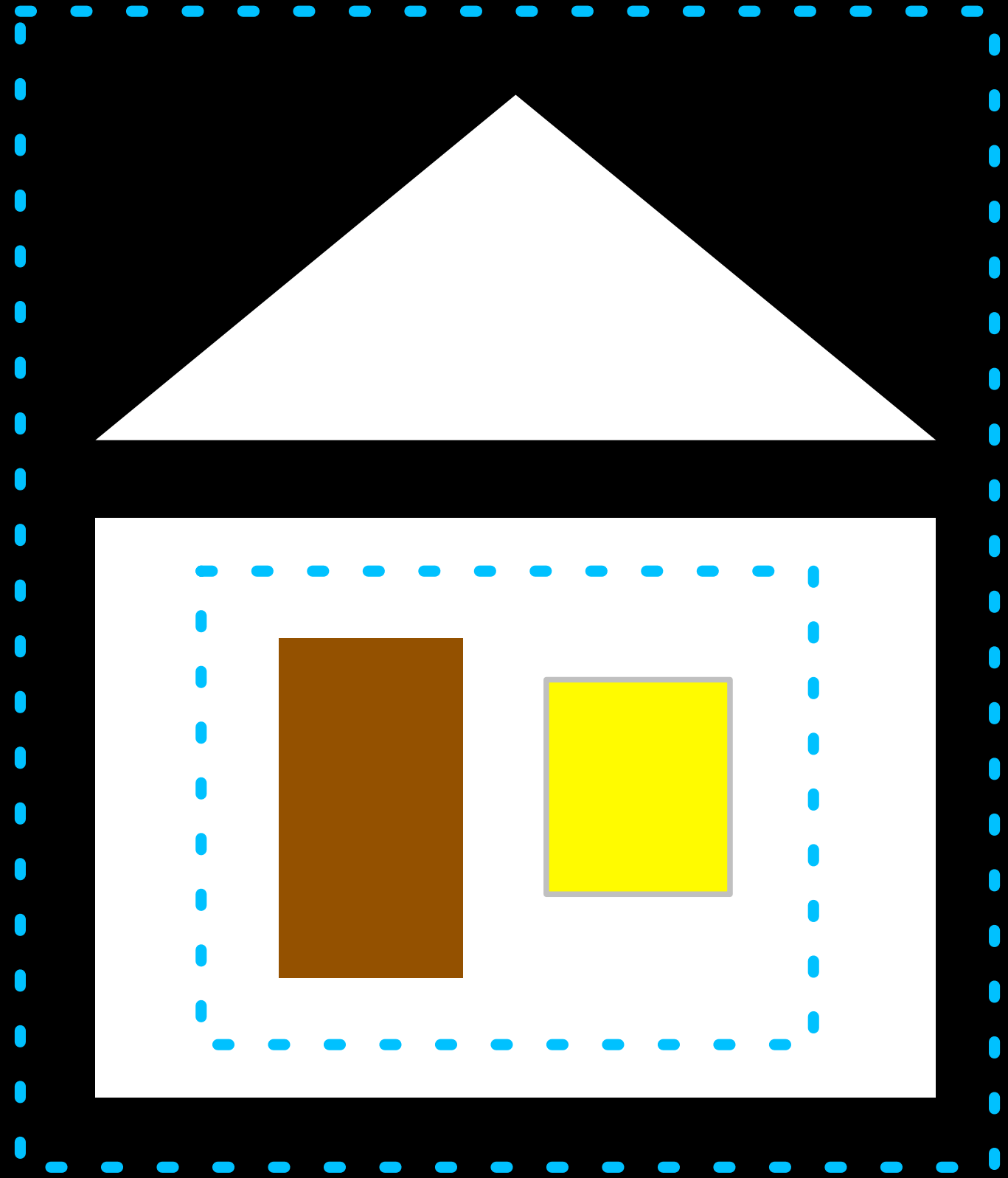
# Object Graph

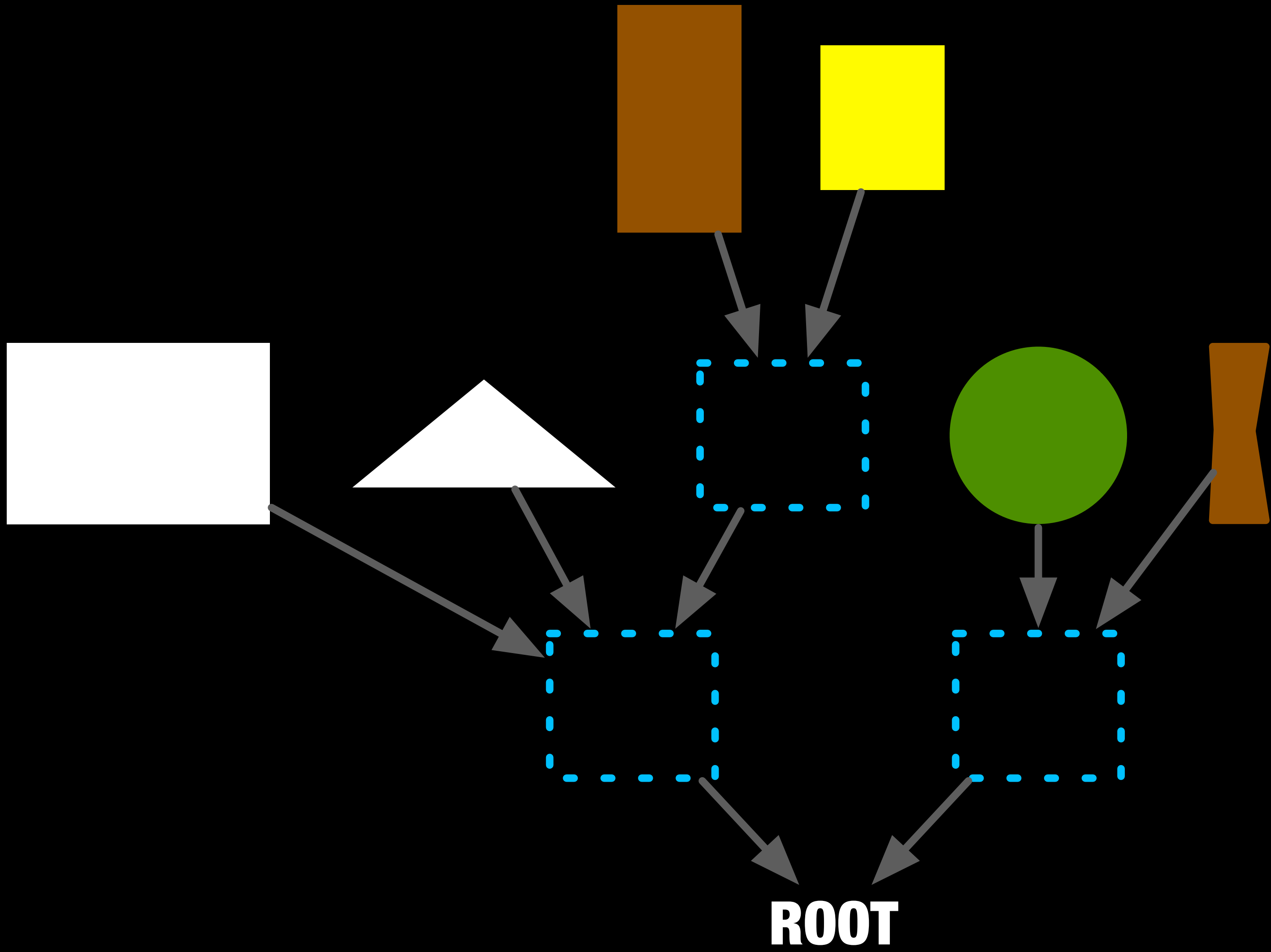


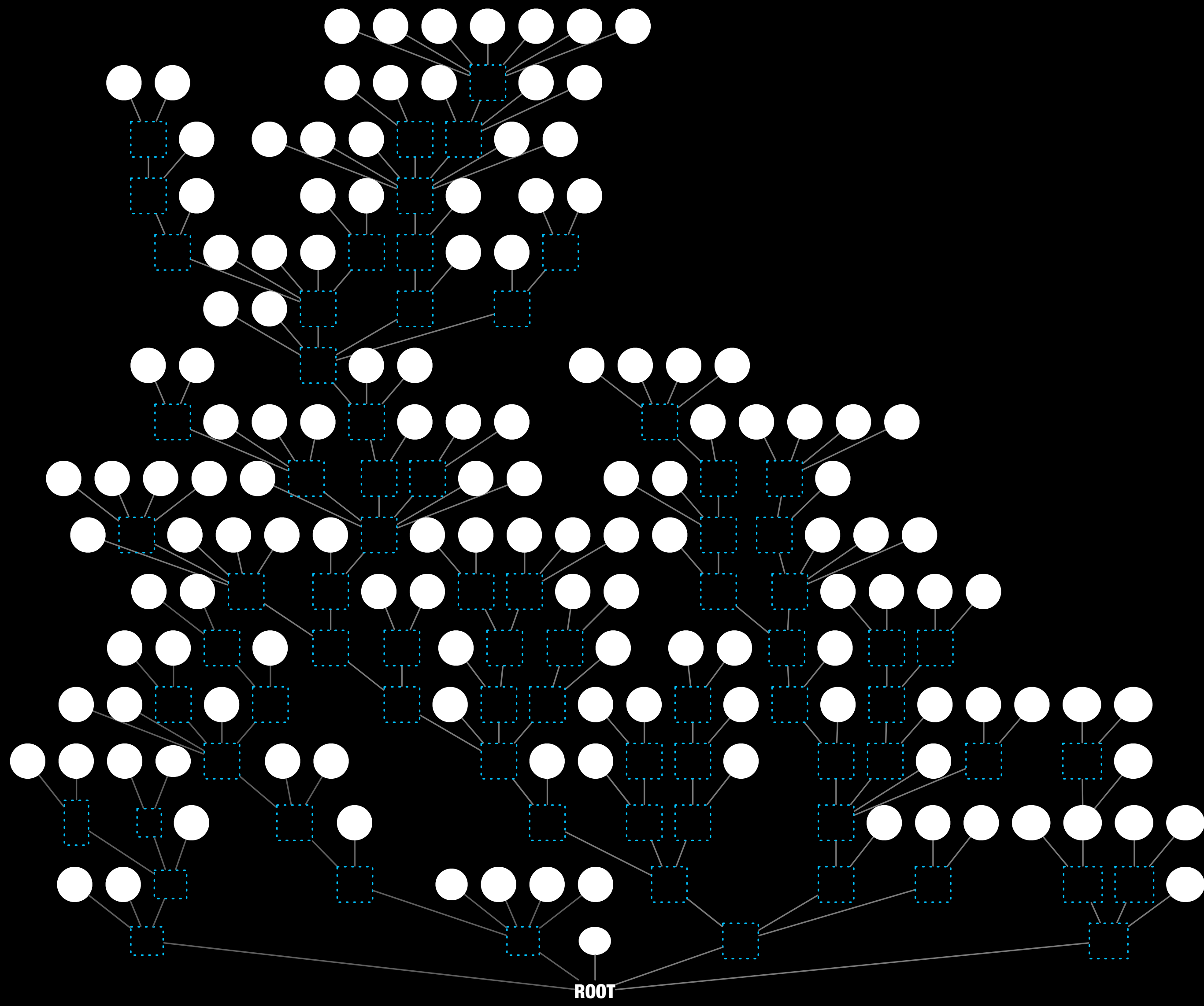
**For example...**



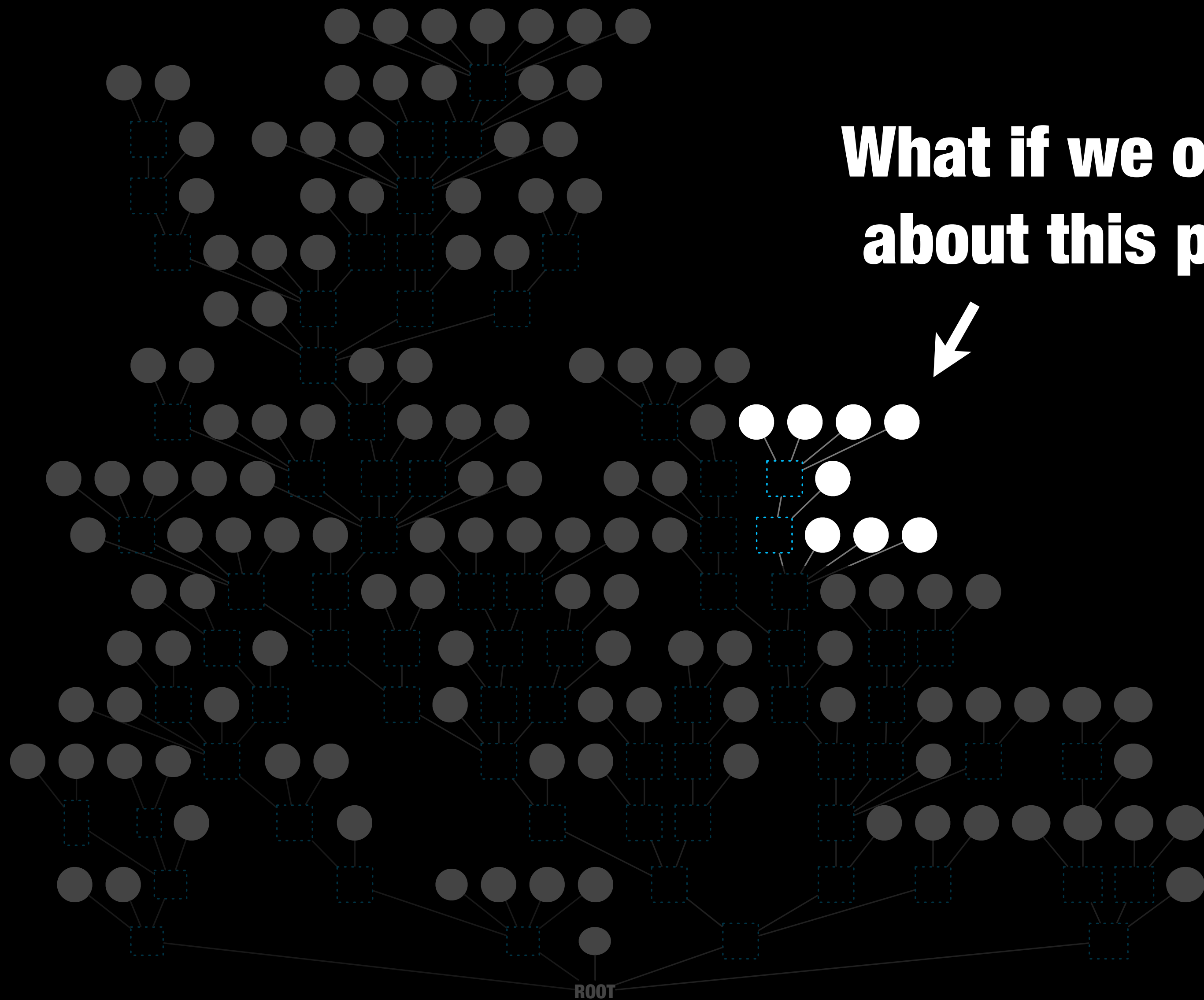








ROOT



**What if we only care  
about this portion?**



ROOT

# “Virtual Memory”

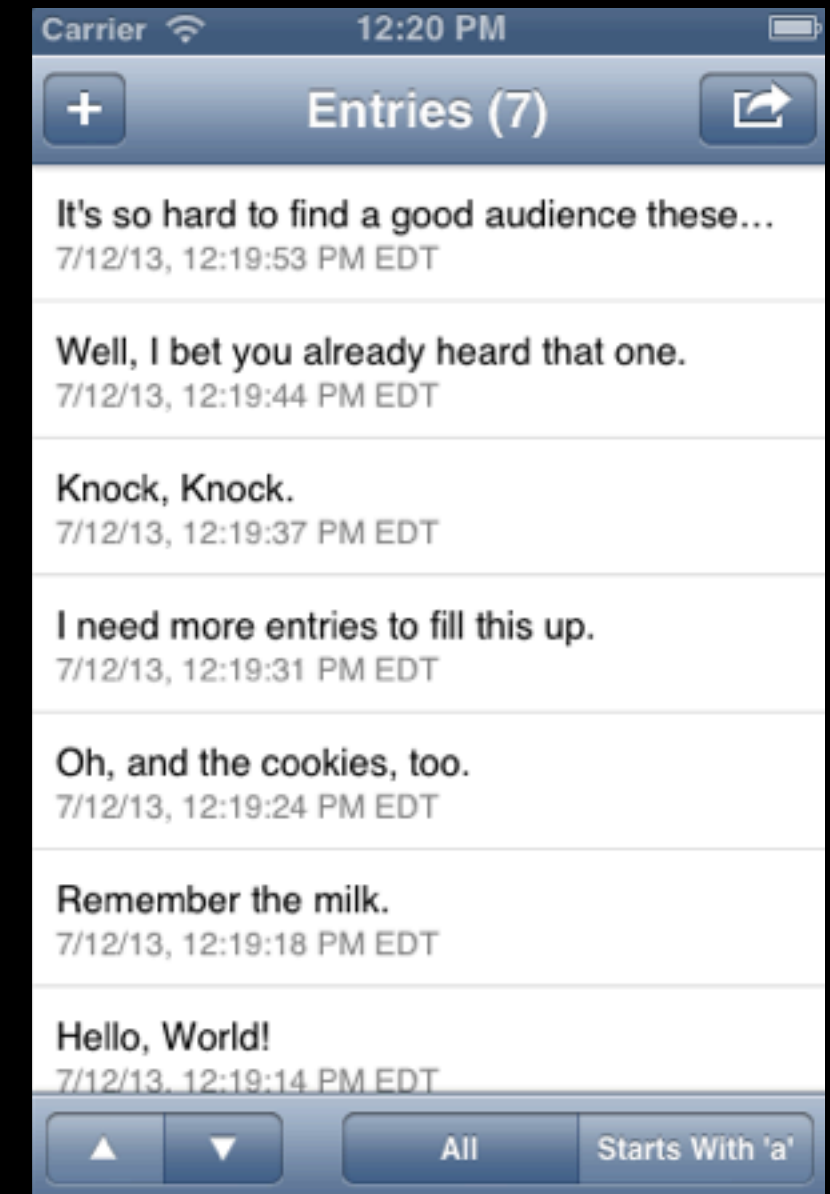
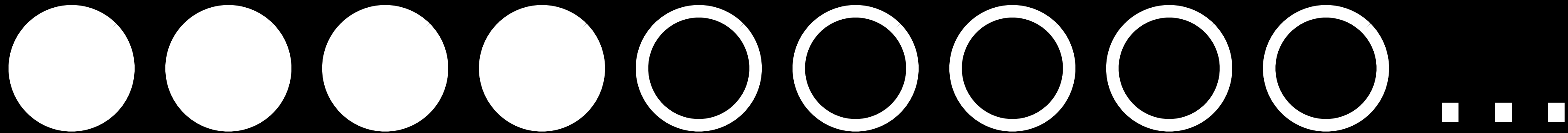
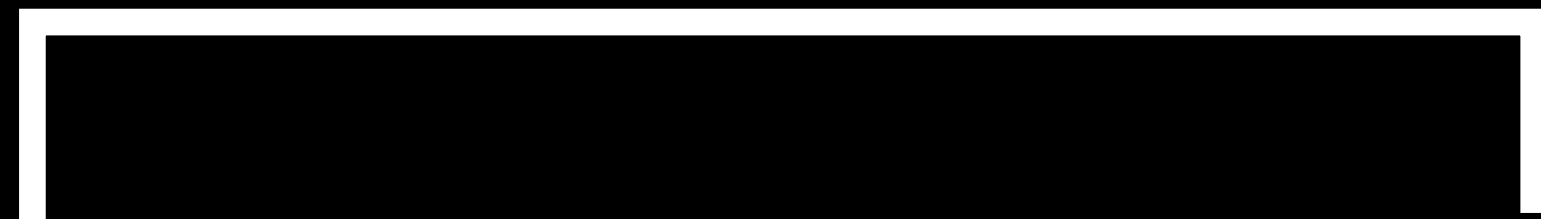


```
NSArray *results = [context executeFetchRequest:request ...];
```

```
// ...
```

```
JournalEntry *entry = results[3];  
cell.textLabel.text = entry.name;
```

# Fault

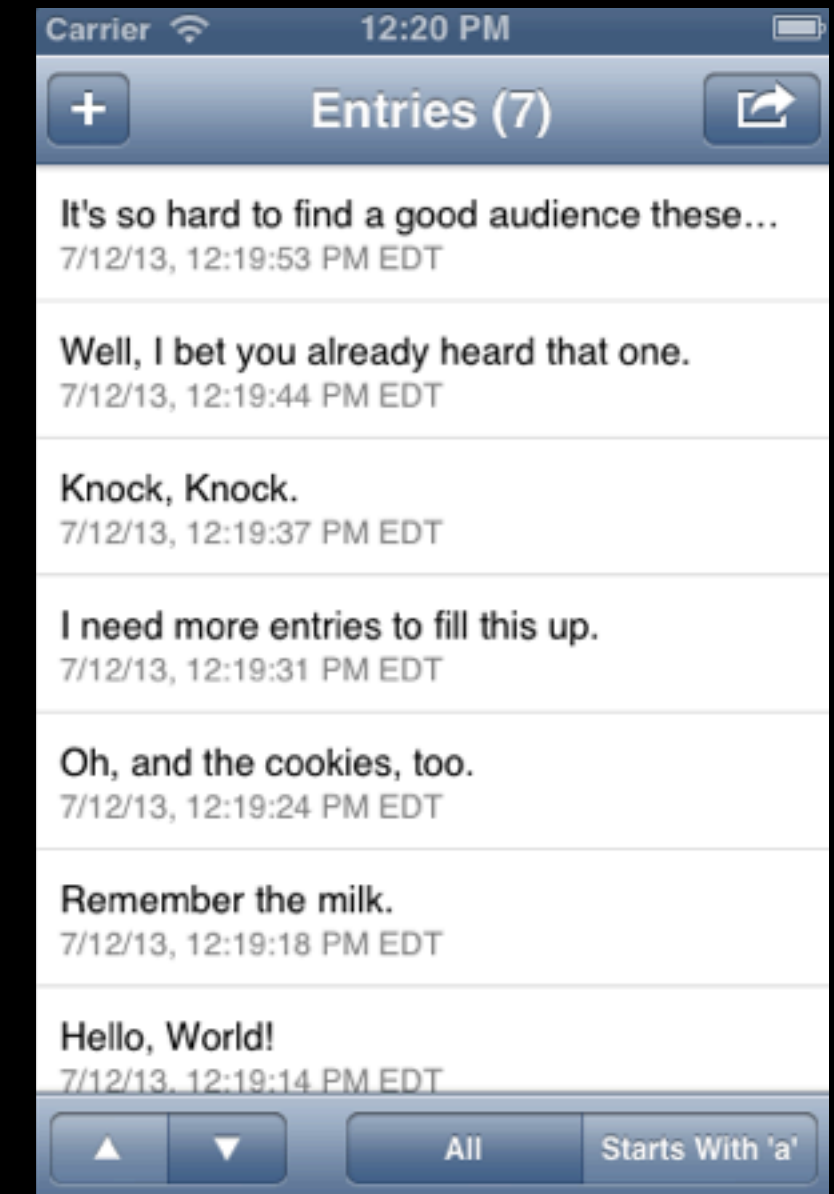
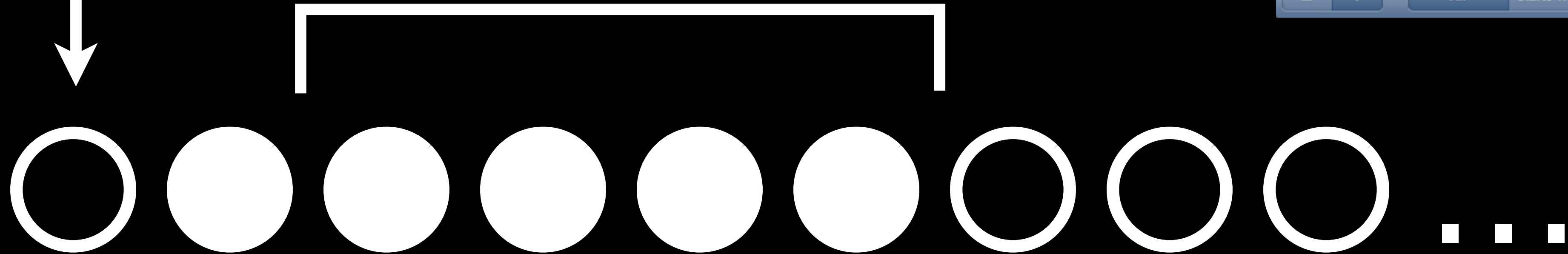
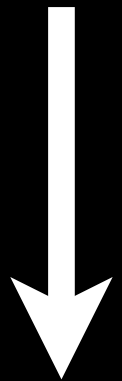


```
NSArray *results = [context executeFetchRequest:request ...];
```

```
// ...
```

```
JournalEntry *entry = results[3];  
cell.textLabel.text = entry.name;
```

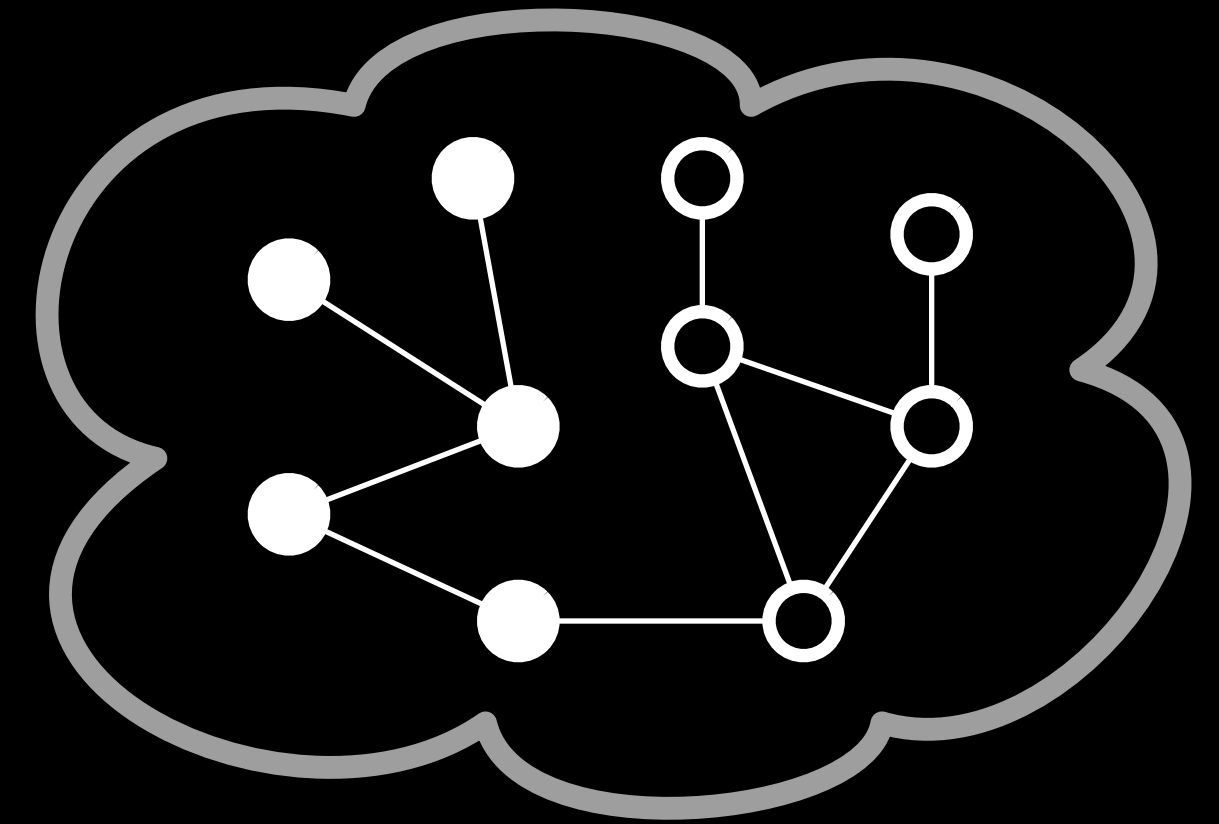
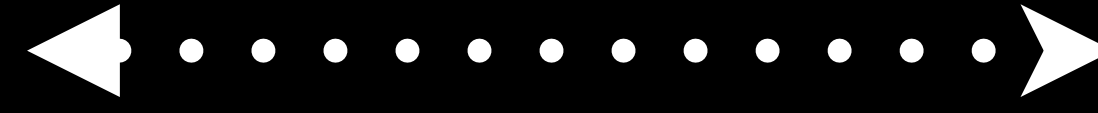
# Fault



**The**



**Context**



**Model**



**StoreCoordinator**



---

**(store)**



---

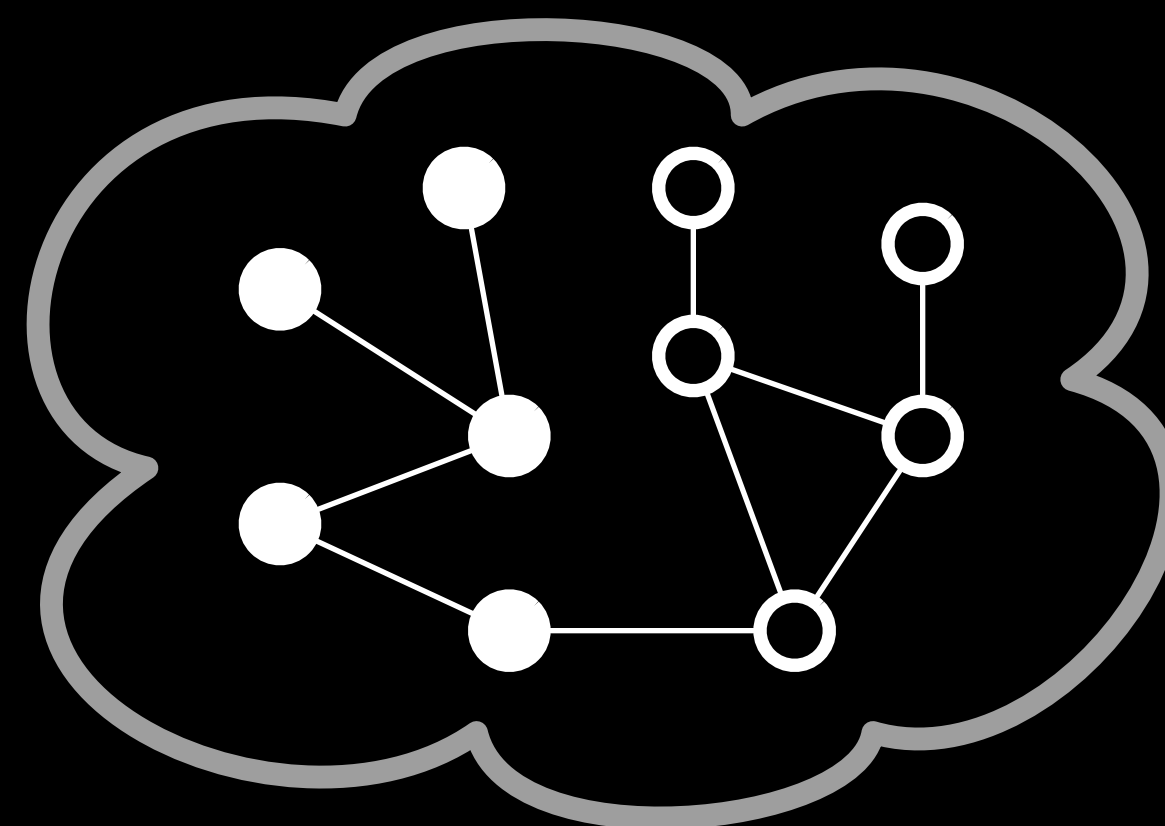
?

**NSInMemoryStoreType**

**NSBinaryStoreType**

**NSSQLiteStoreType**

**PlistIncrementalStoreType**



# SAUSAGE...HOW IS IT MADE?



# **PlistIncrementalStore**

**Using A Custom Store**

**Life Cycle Of A Fetch Request**

**Validating And Saving Data**

**Notifying For Changes**

**[ insert demo here ]**

# **Incremental Stores**

**Generate NSManagedObjectIDs**

**Interpret fetch request criteria**

**Save attributes to *\*whatever\****

**Load to NSIncrementalStoreNodes**

# Other Examples

## AFIncrementalStore

`github.com/AFNetworking/AFIncrementalStore`

## Secure Incremental Store

`www.stoeger-it.de/en/secureincrementalstore/`



**Thanks!**  
**(and please feedback)**

**@jonathanpenn**  
**cocoamanifest.net**