

Macoun' | |

Einführung in *AV* Foundation

Stefan Hafeneger

Motivation



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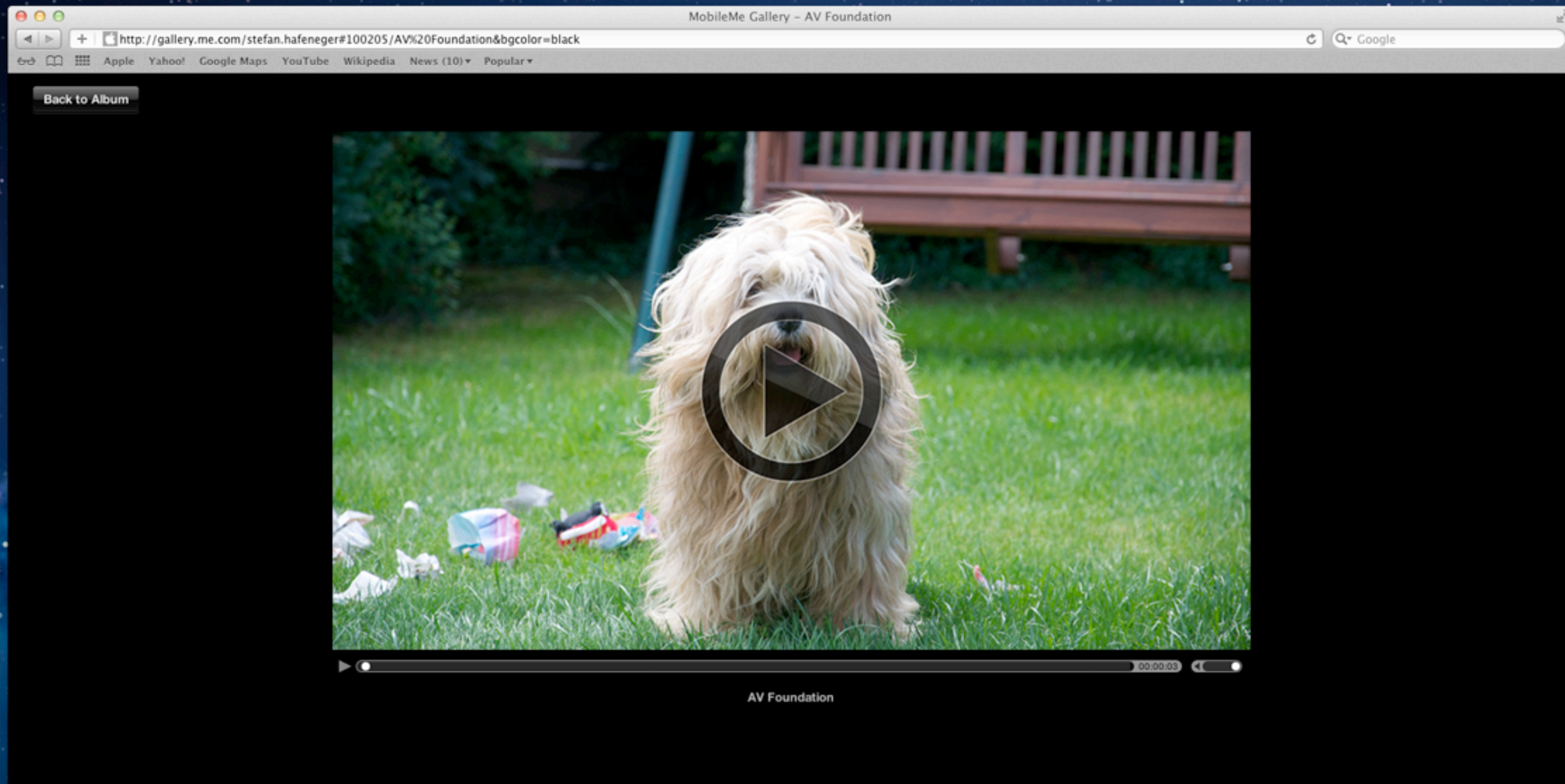


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Was wird nicht gezeigt?

- Videoschnitt Grundlagen
- QTKit, QuickTime, ...
- Framework Reference
- Programming Guide
- AV Foundation auf iOS

Inhalt des Vortrag

- AV Foundation Grundlagen
- Audio und Video Playback, Editing, Export, Capture
- Beispiel Projekt mit allen Funktionen

Ablauf

- Fakten
- Playback
- Editing
- Export
- Capture

Fakten

Fakten

- Audio und Video
- Objective-C
- iOS (4.0, seit 2.2 Audio)
- OS X (10.7)
- Core Media / Audio

Playback

Playback



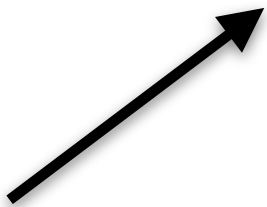
Playback



AVPlayer



Playback

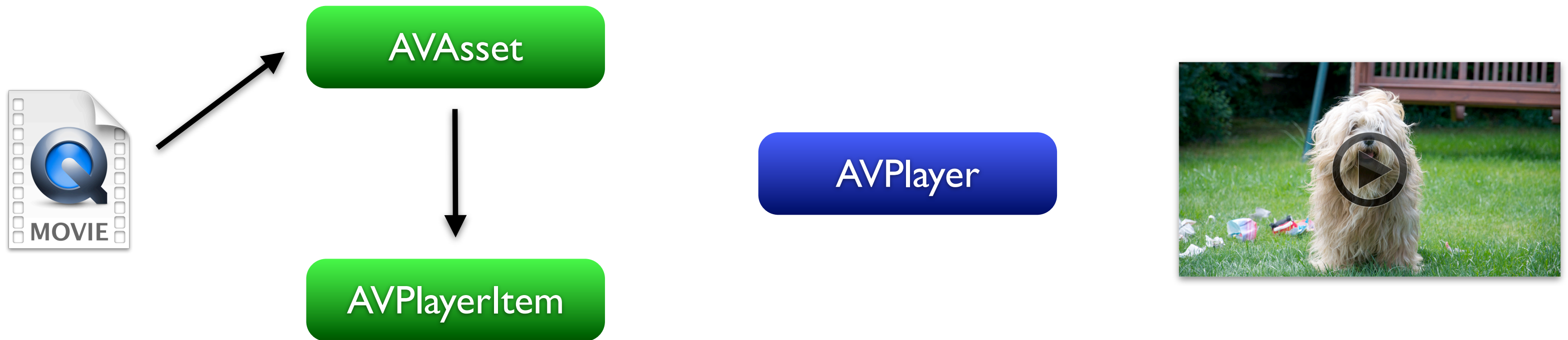


AVAsset

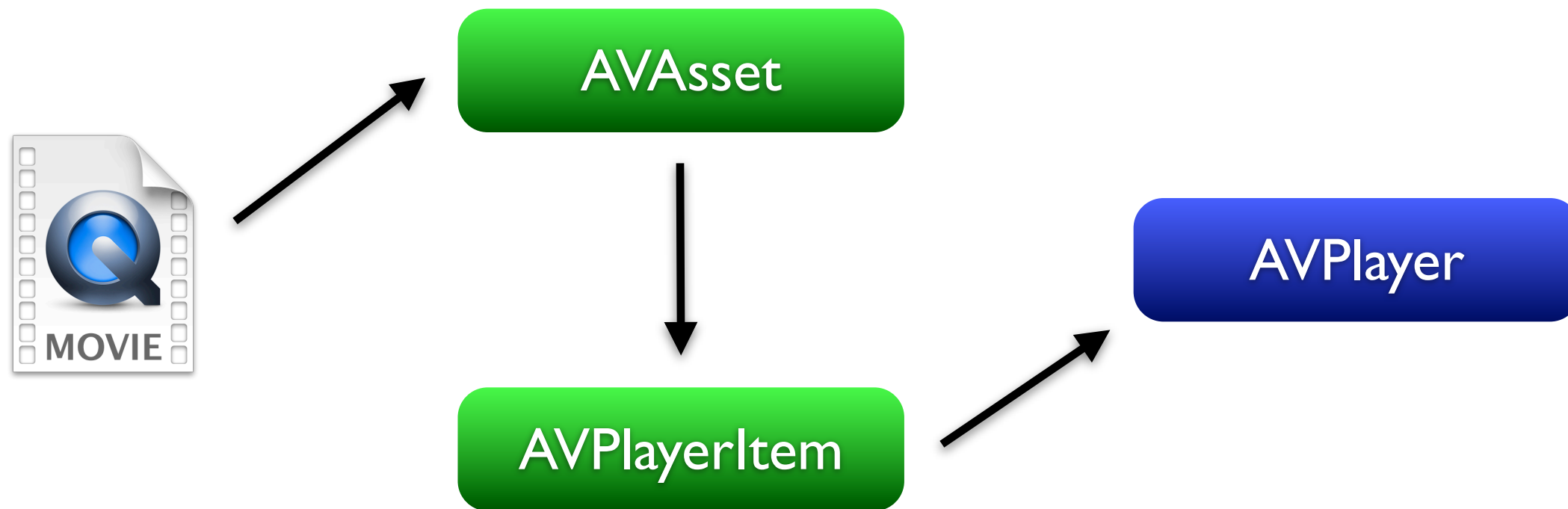
AVPlayer



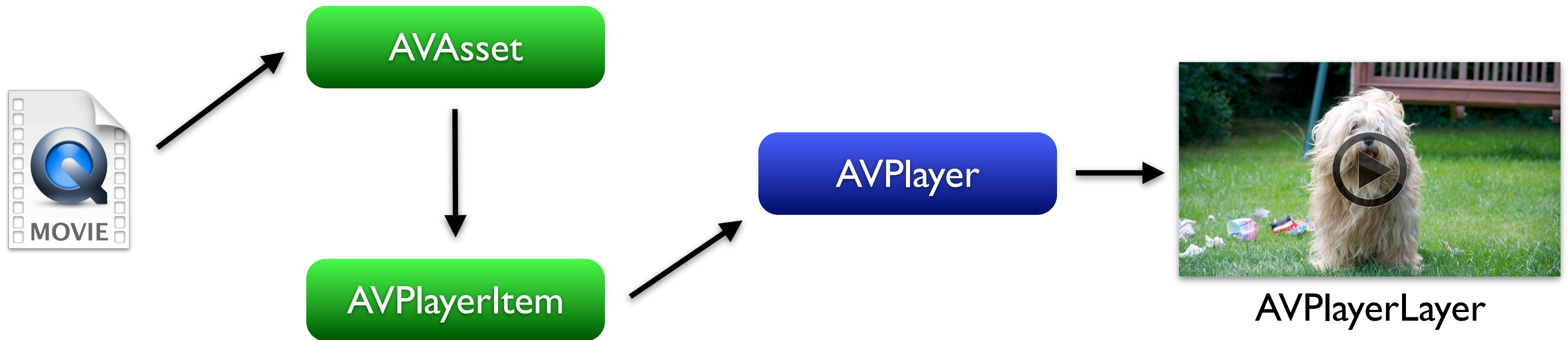
Playback



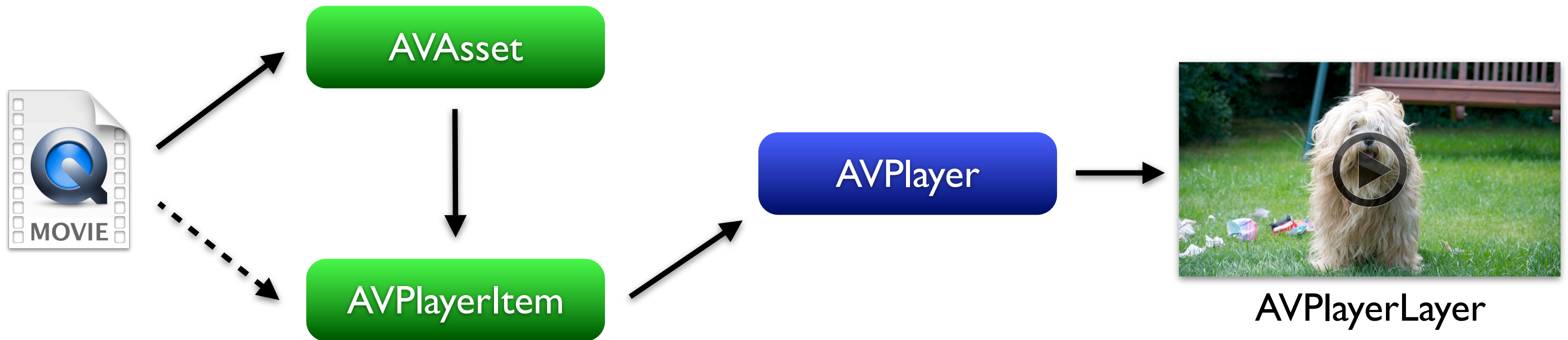
Playback



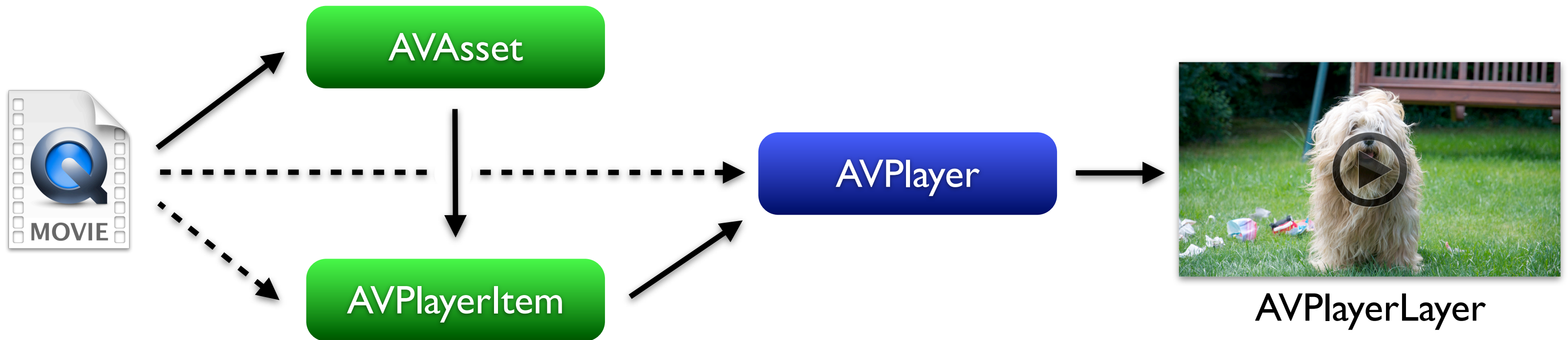
Playback



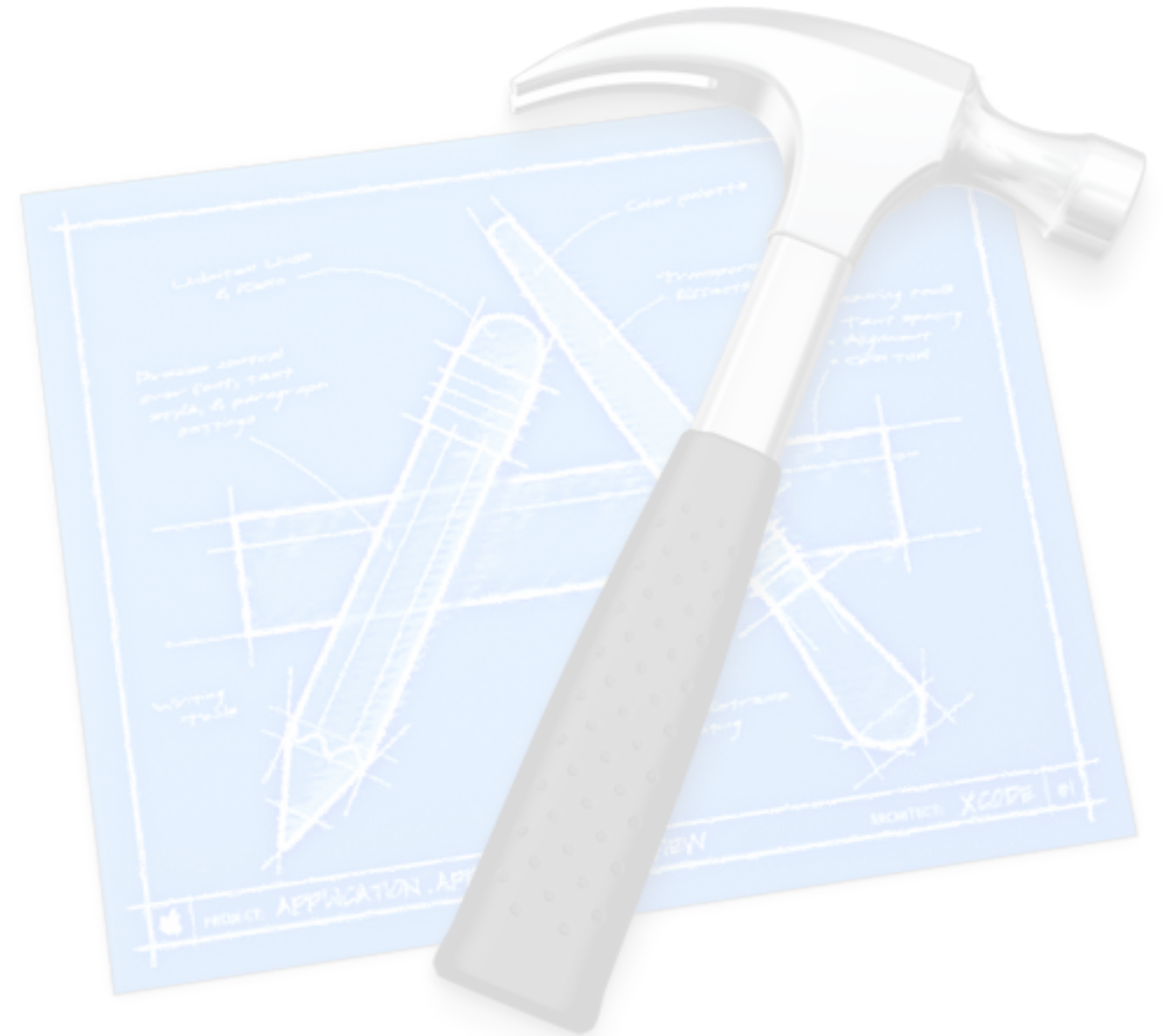
Playback



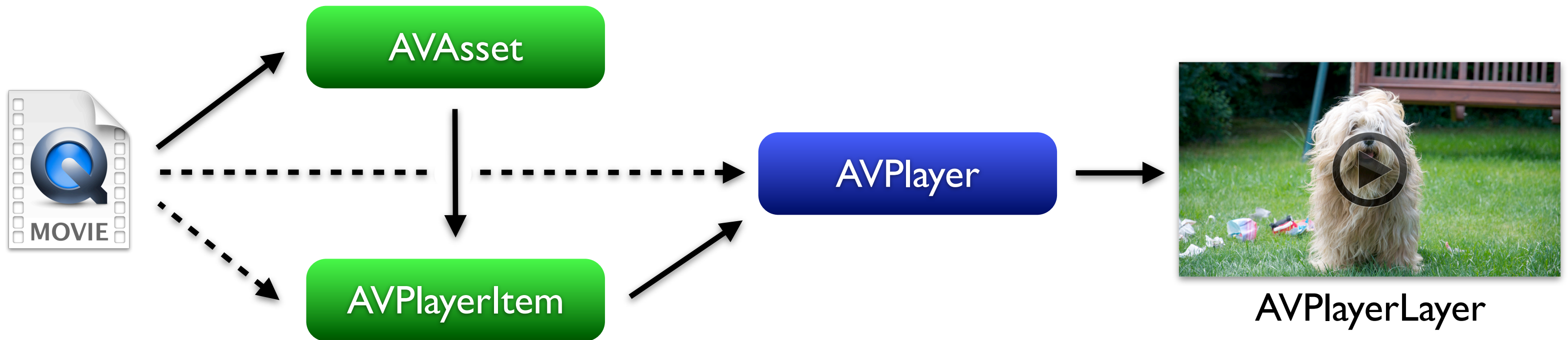
Playback



Demo



Playback



Editing

Editing



Editing



AVComposition

Editing

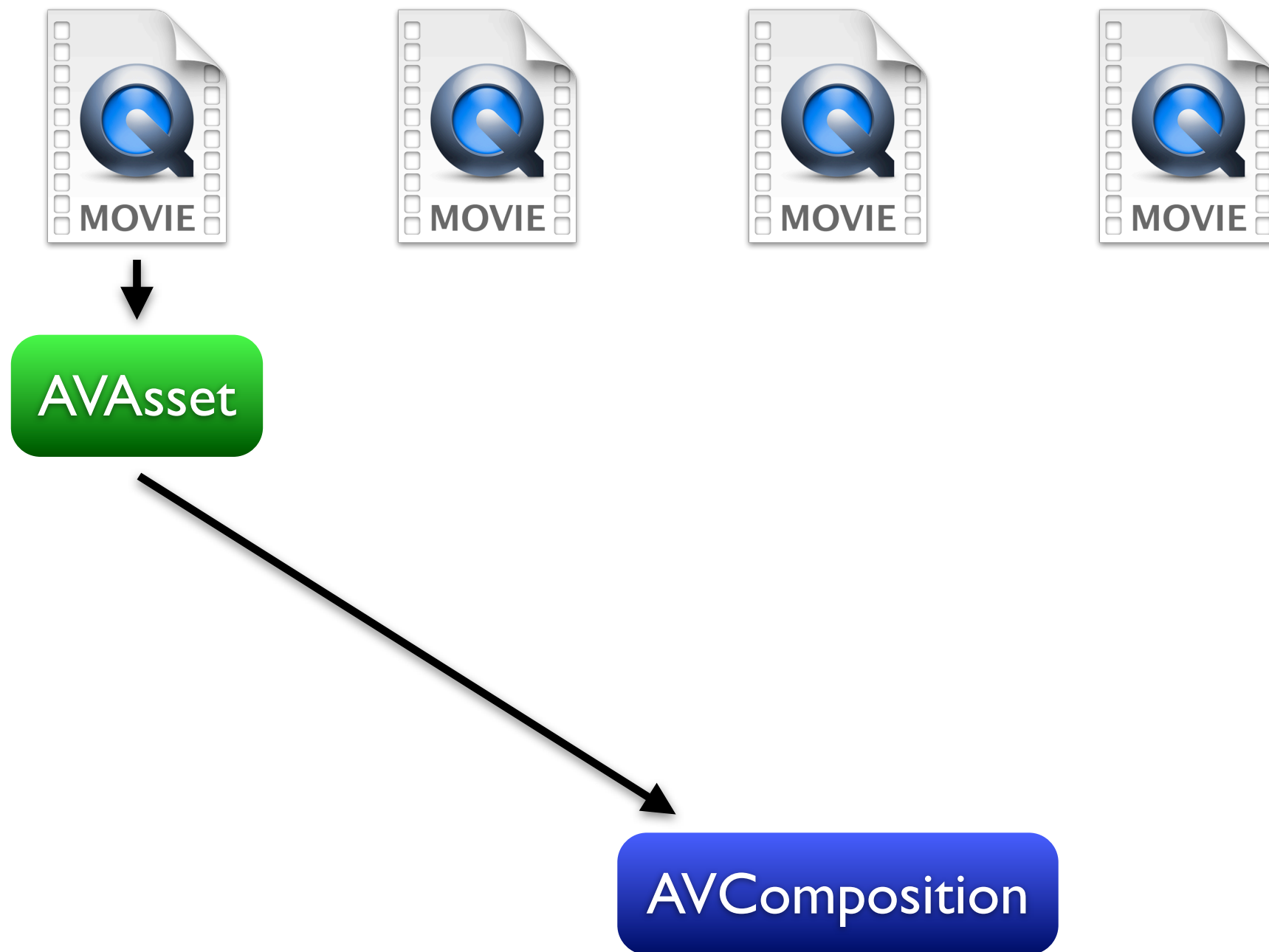


AVAsset

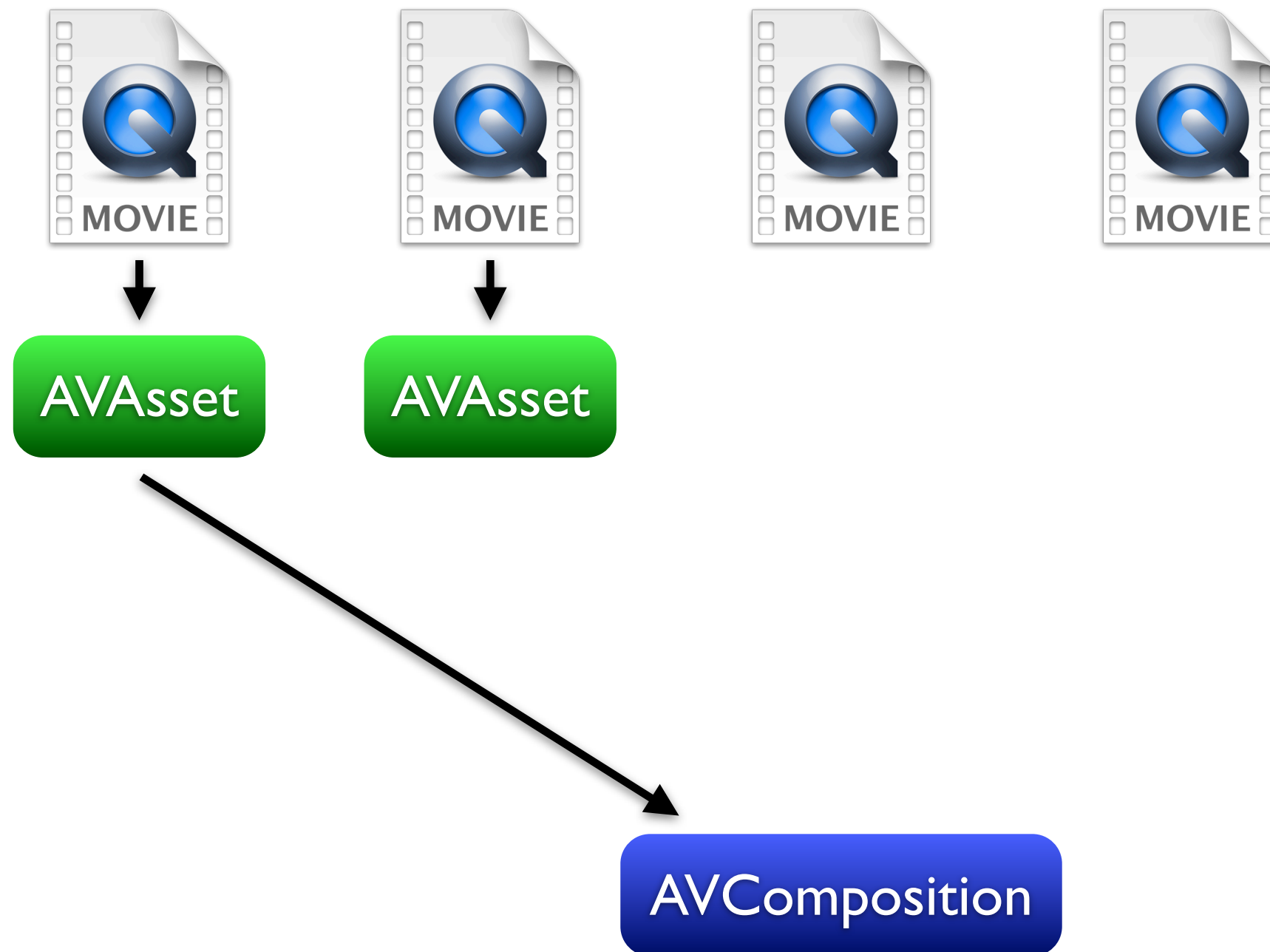


AVComposition

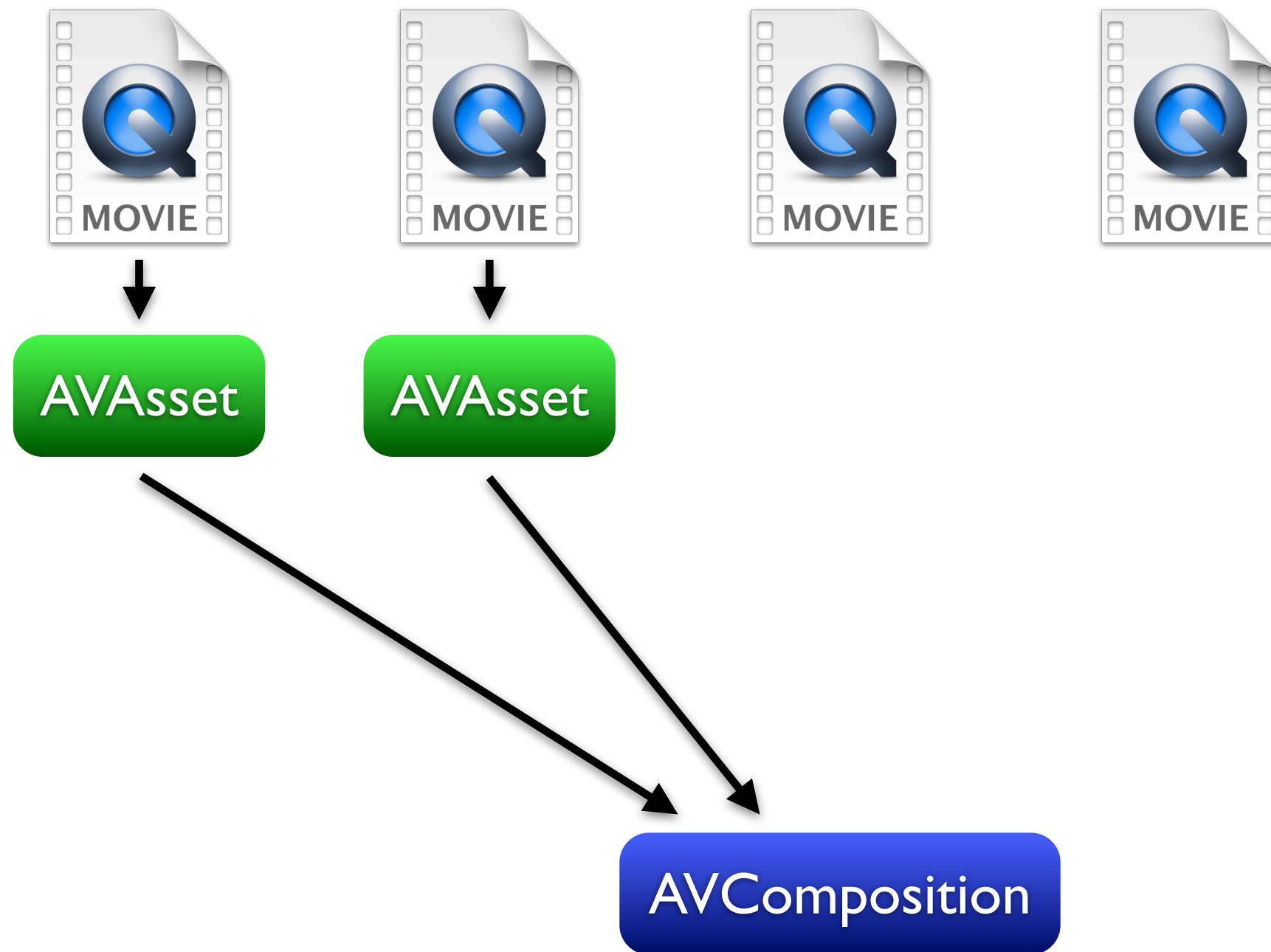
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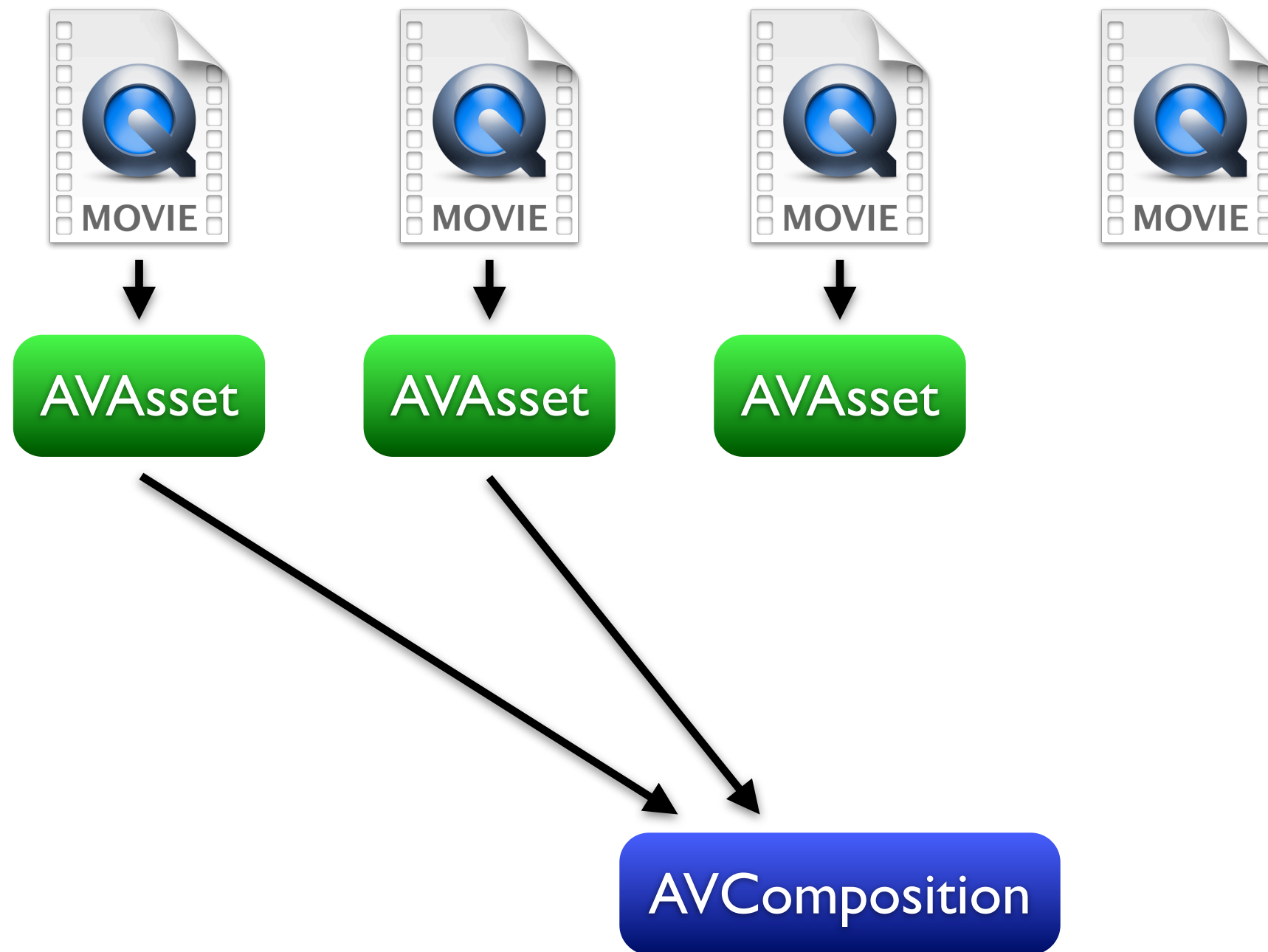
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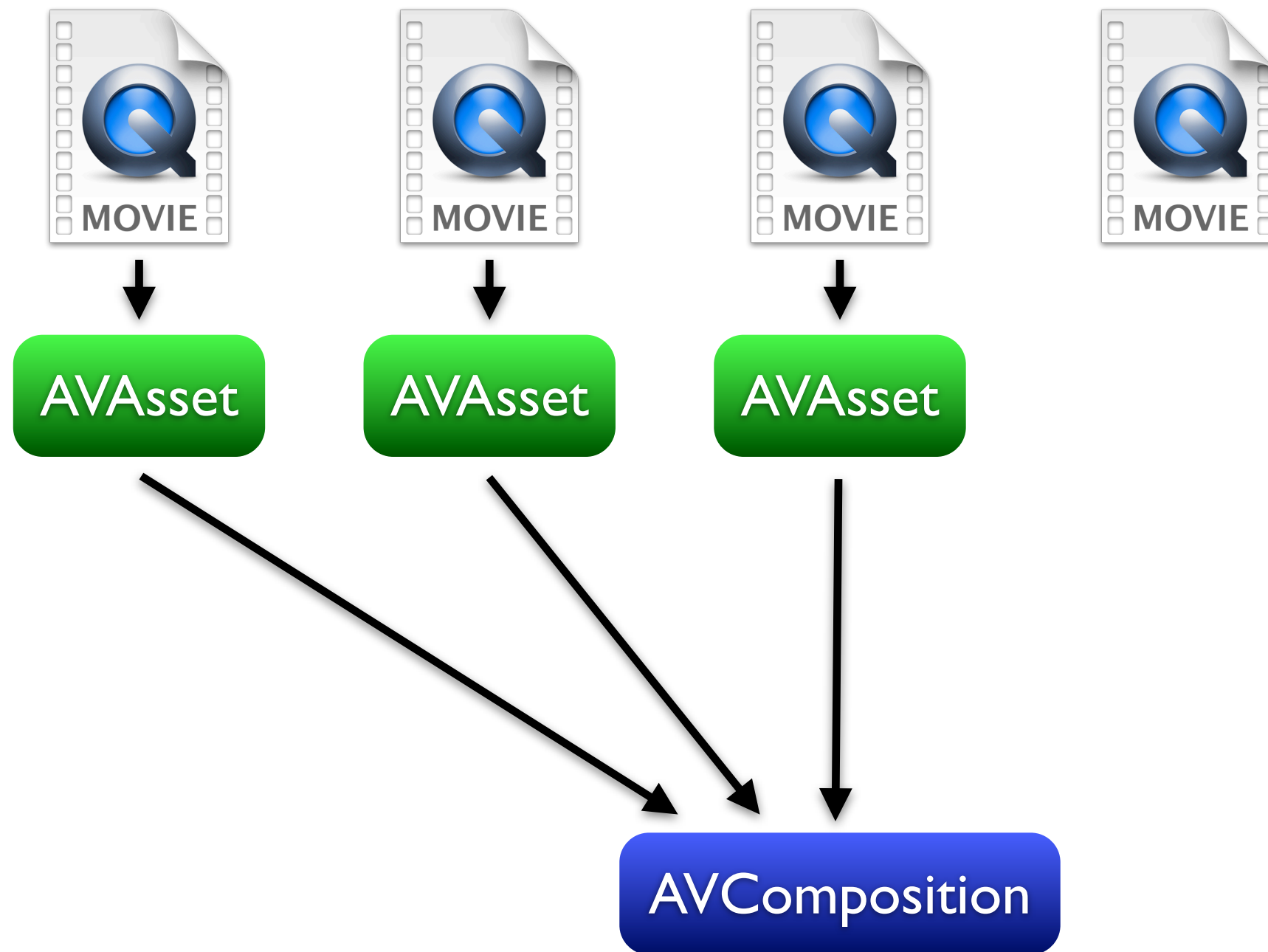
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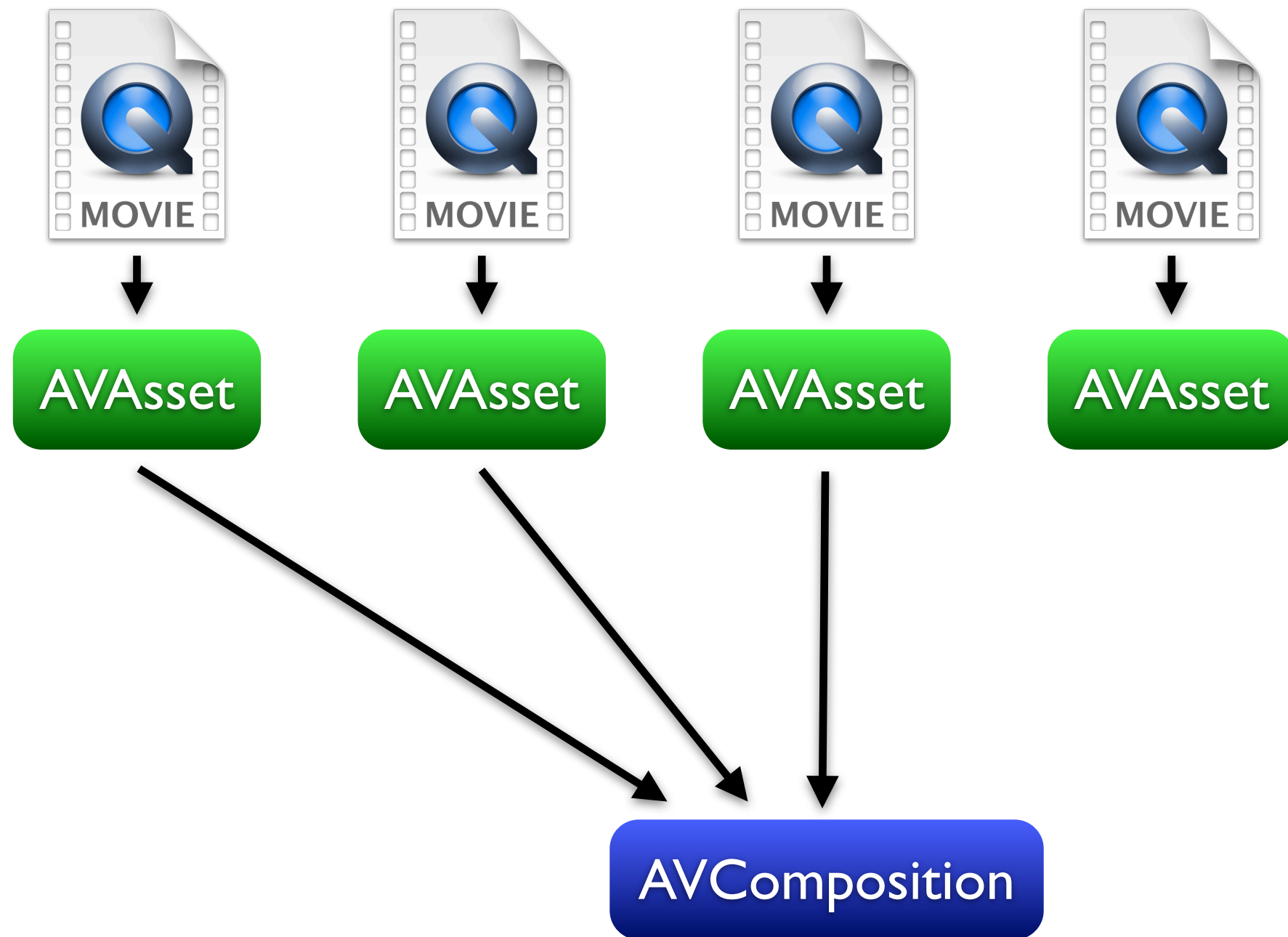
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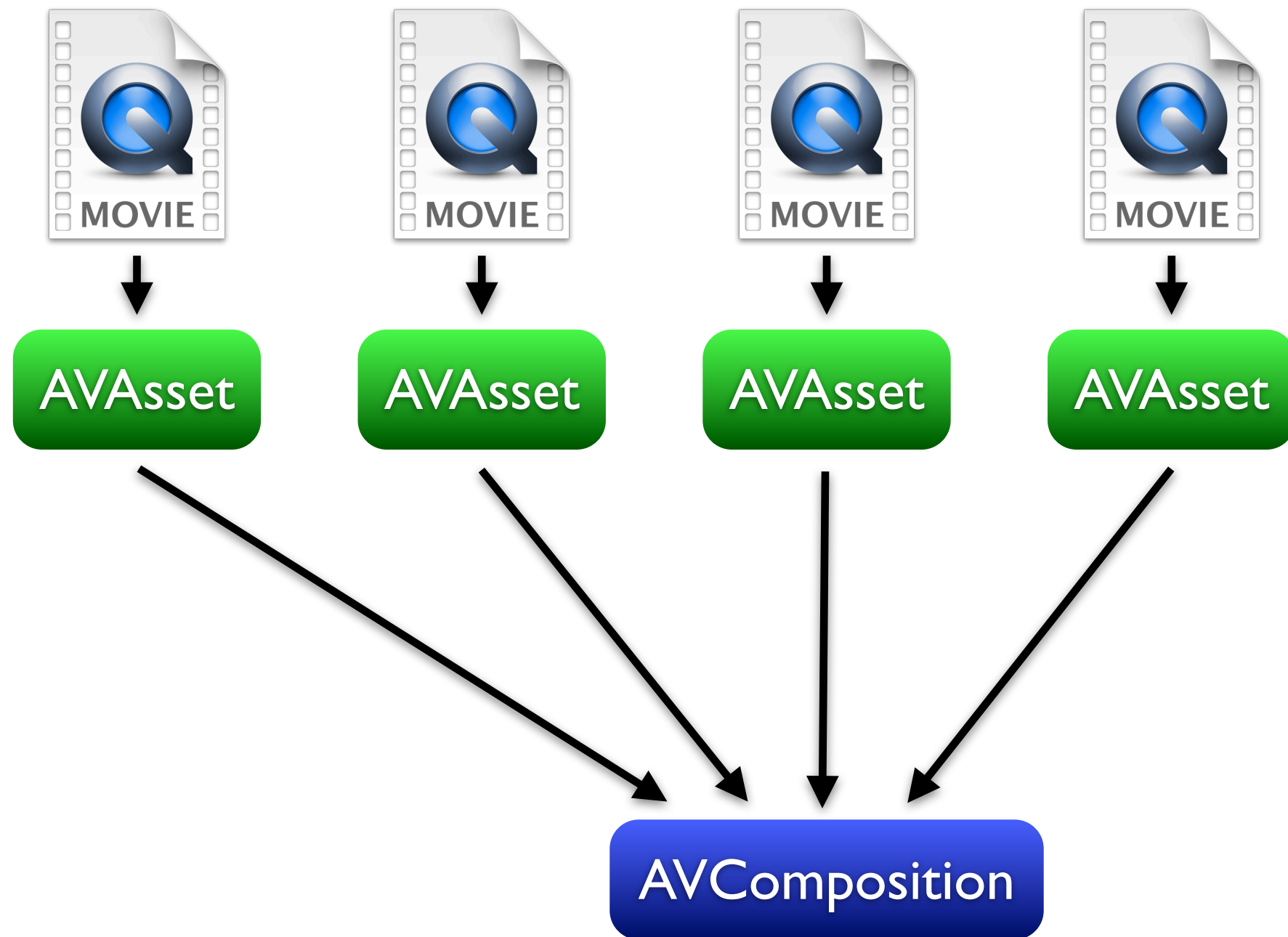
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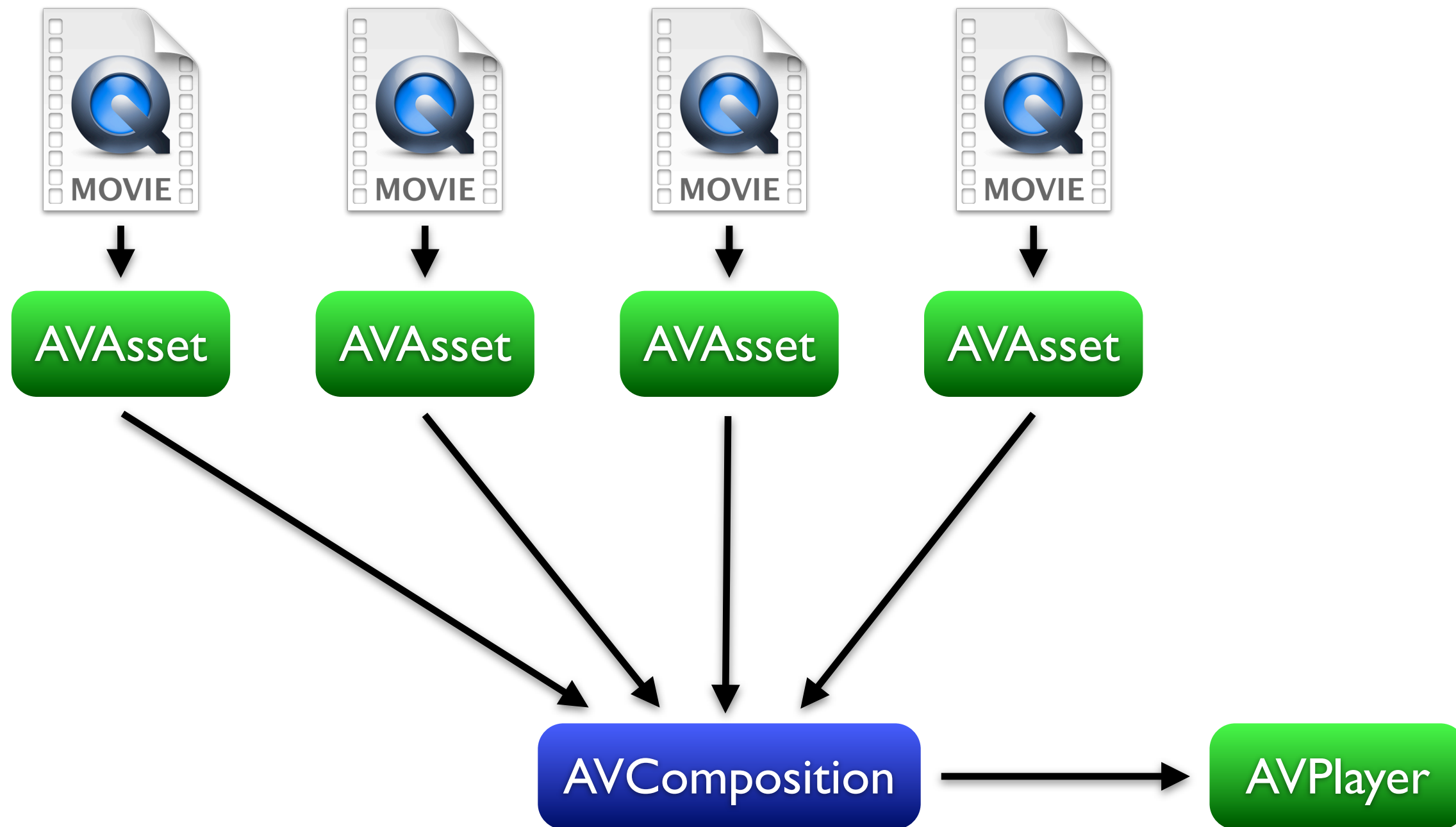
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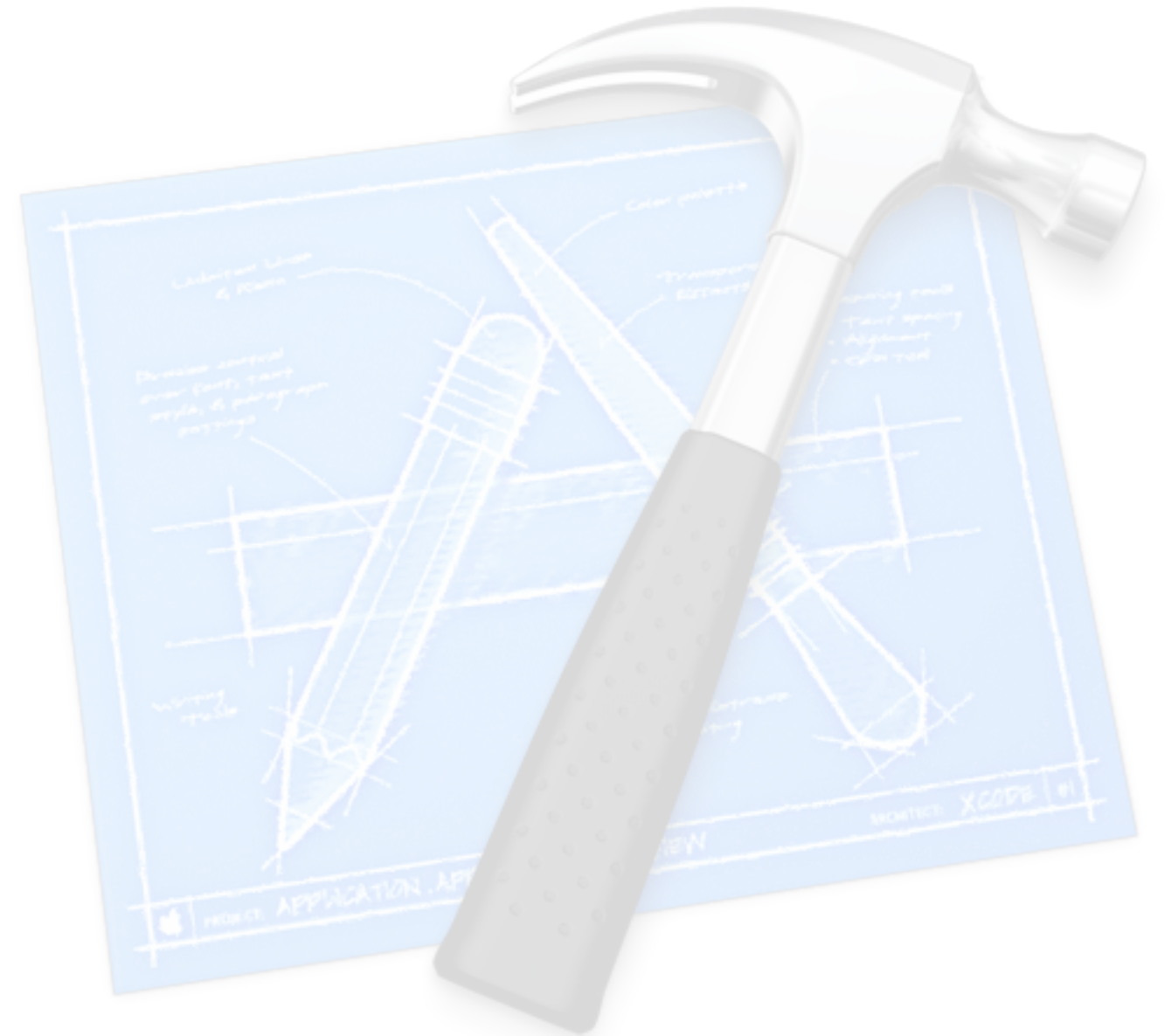
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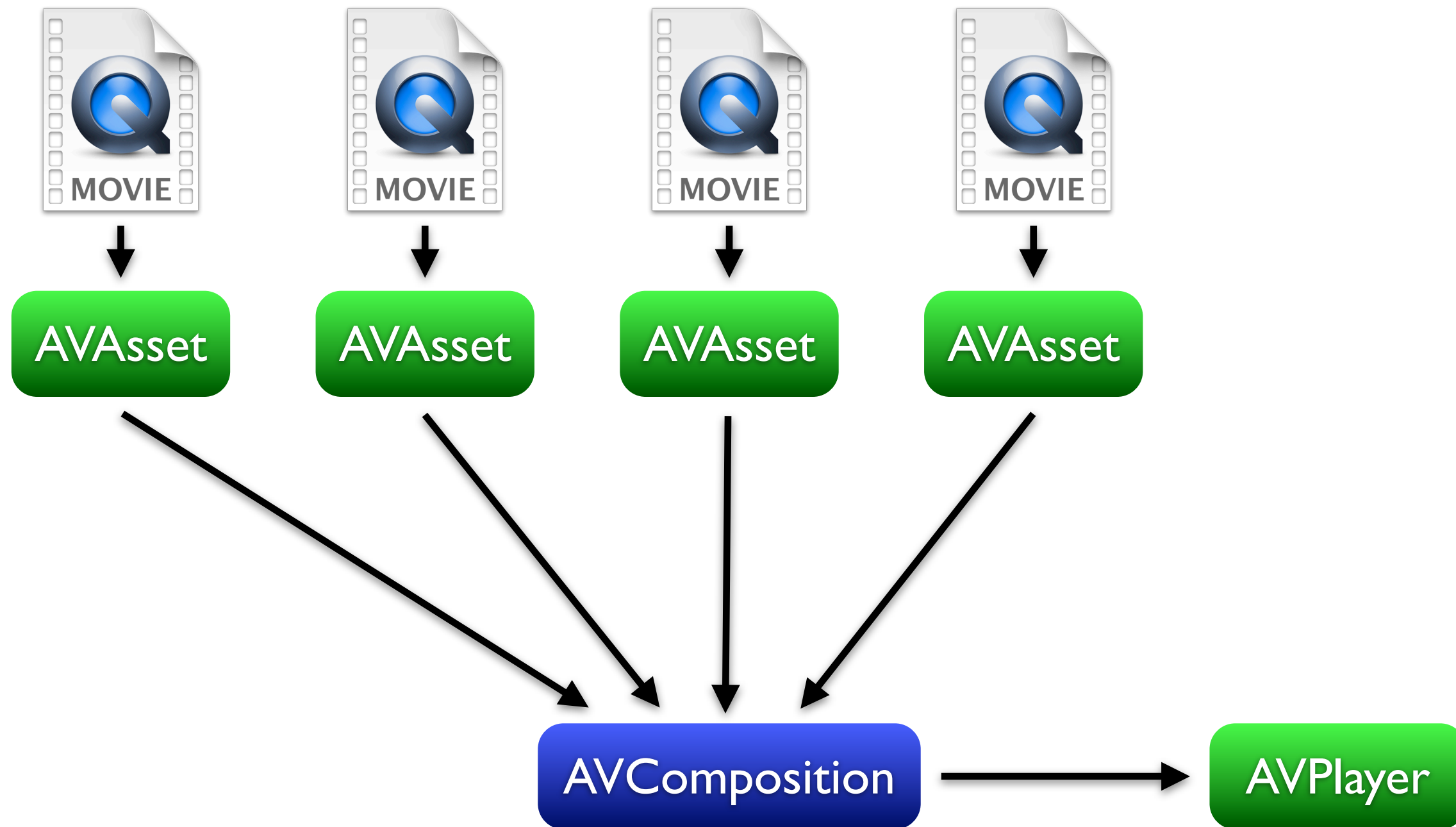
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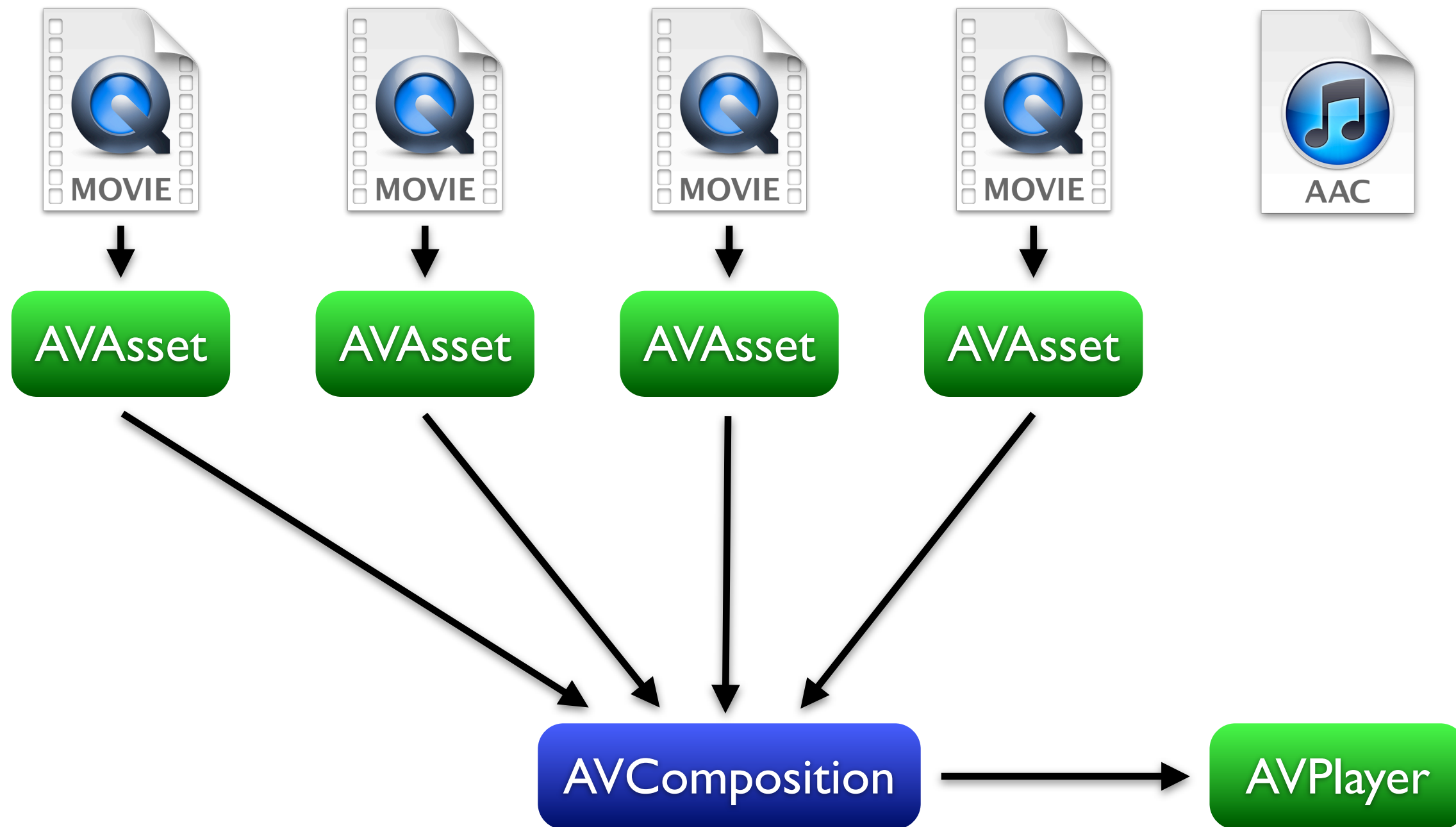
Demo



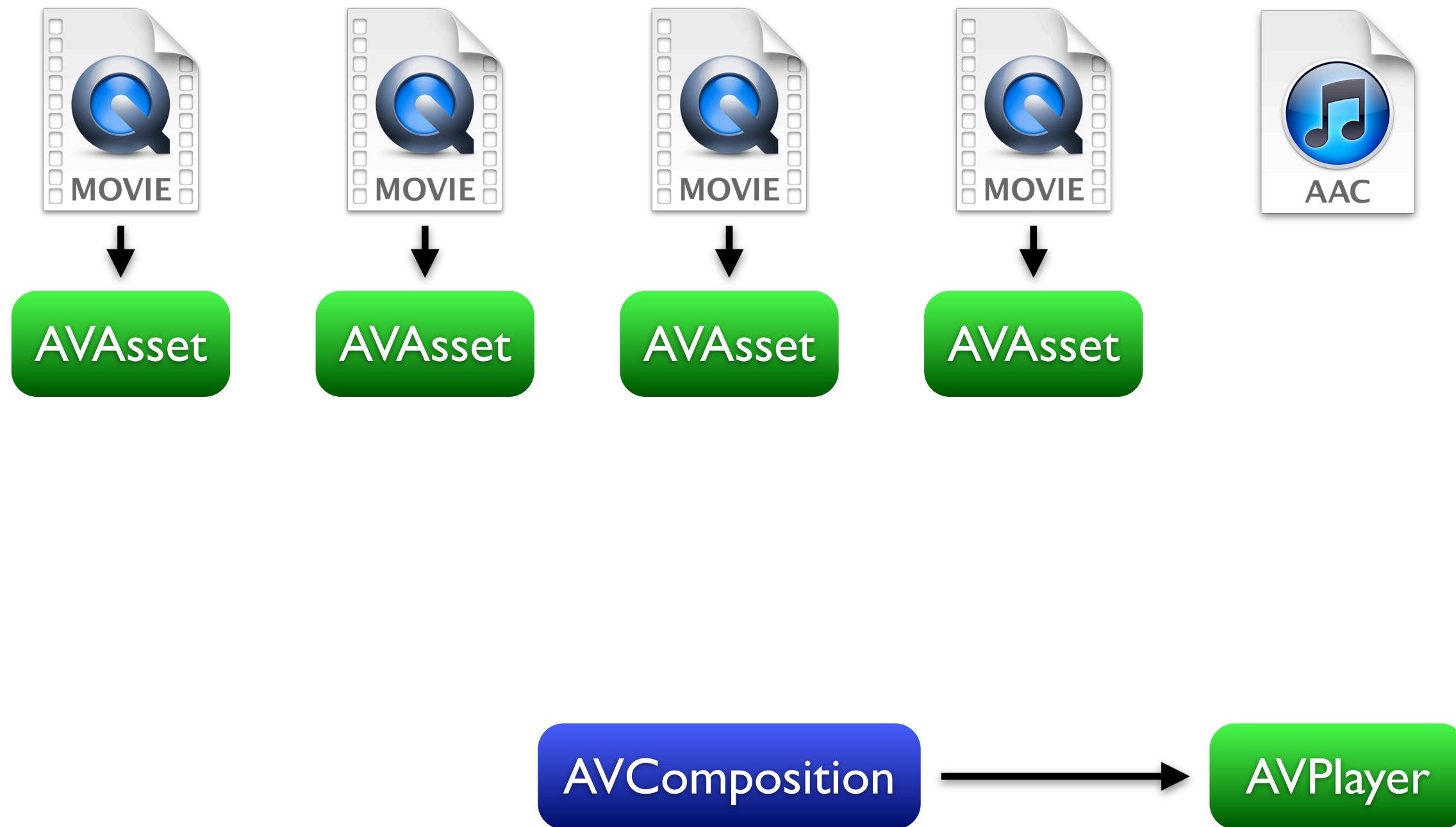
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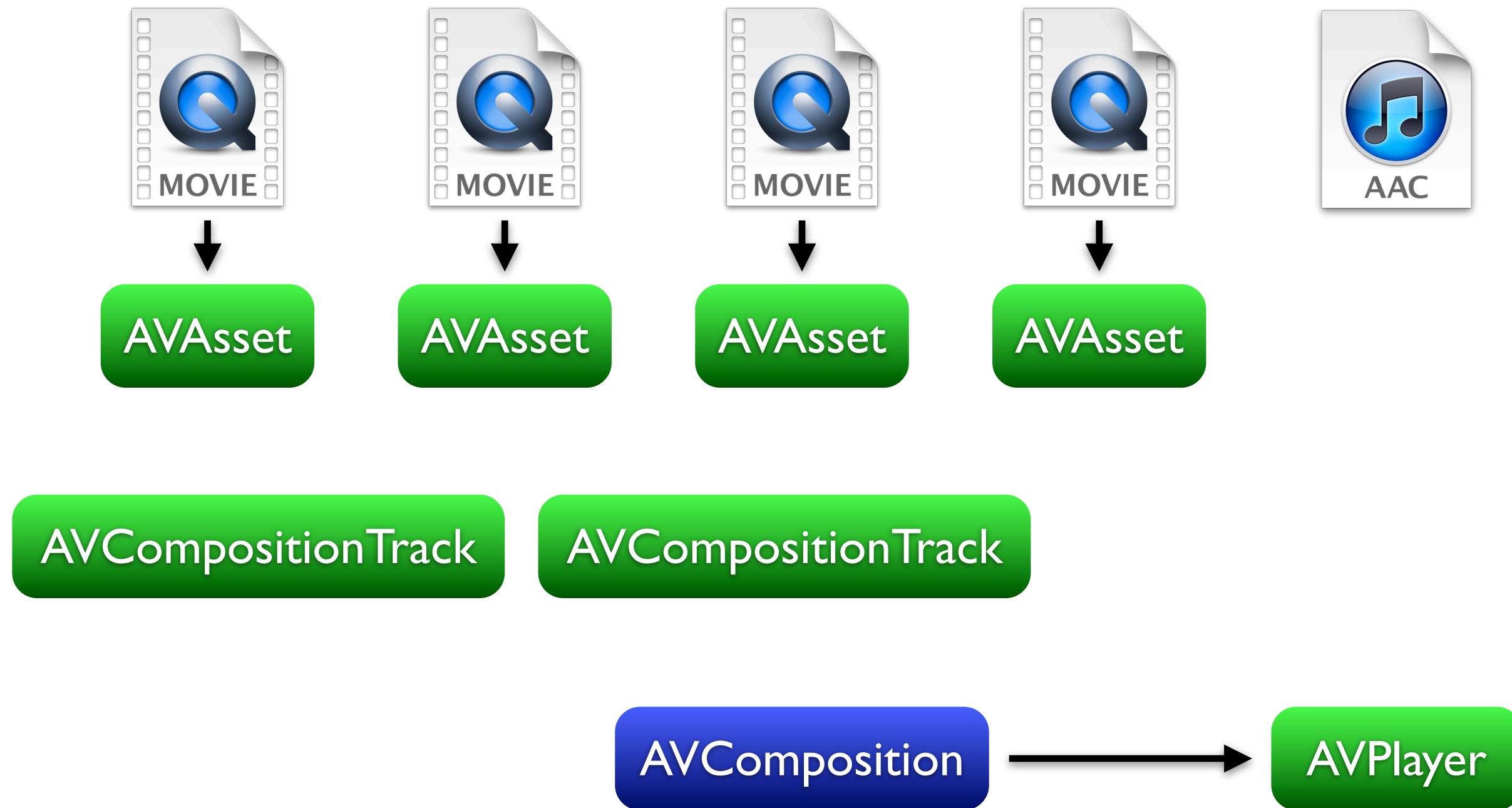
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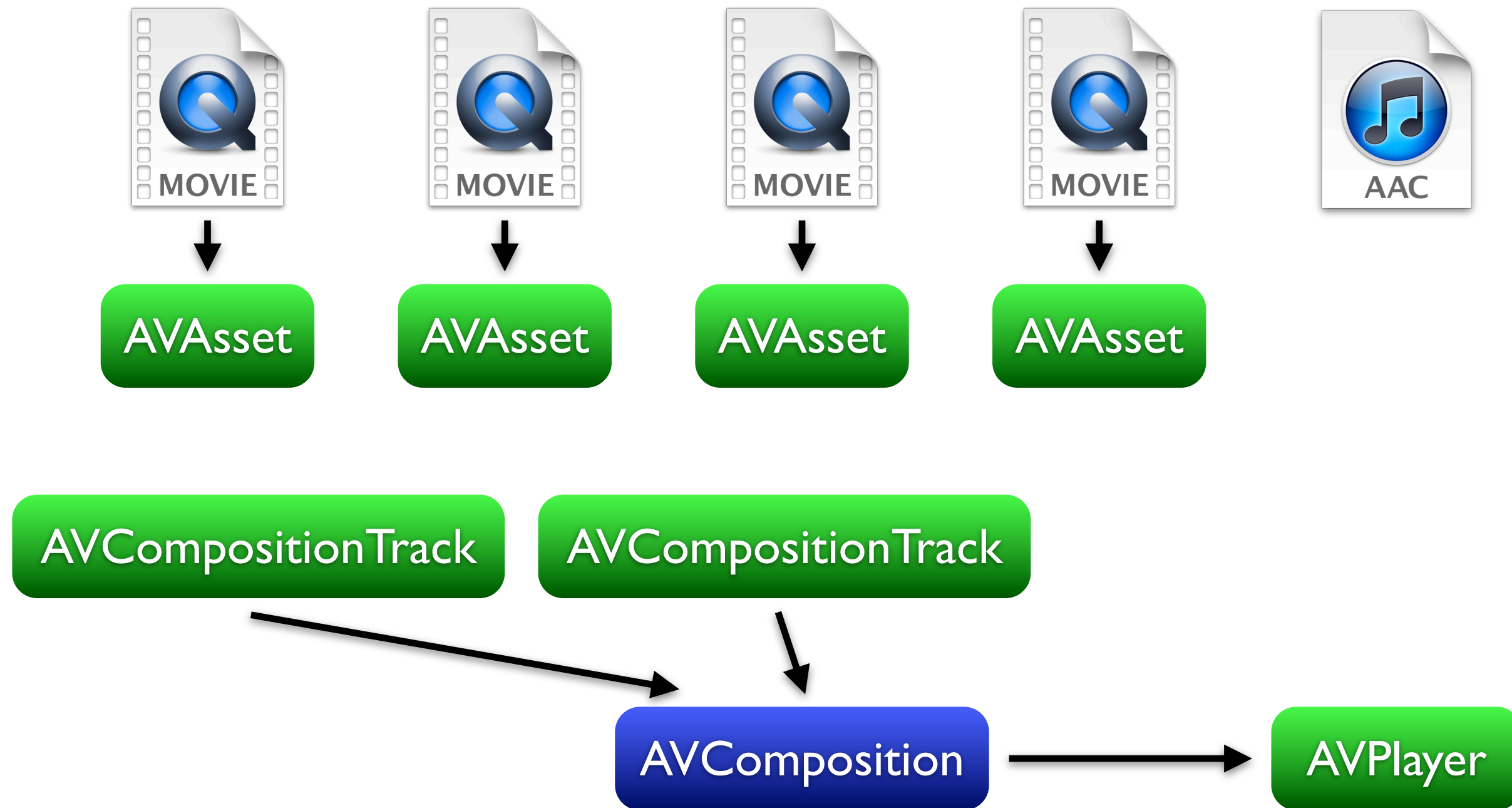
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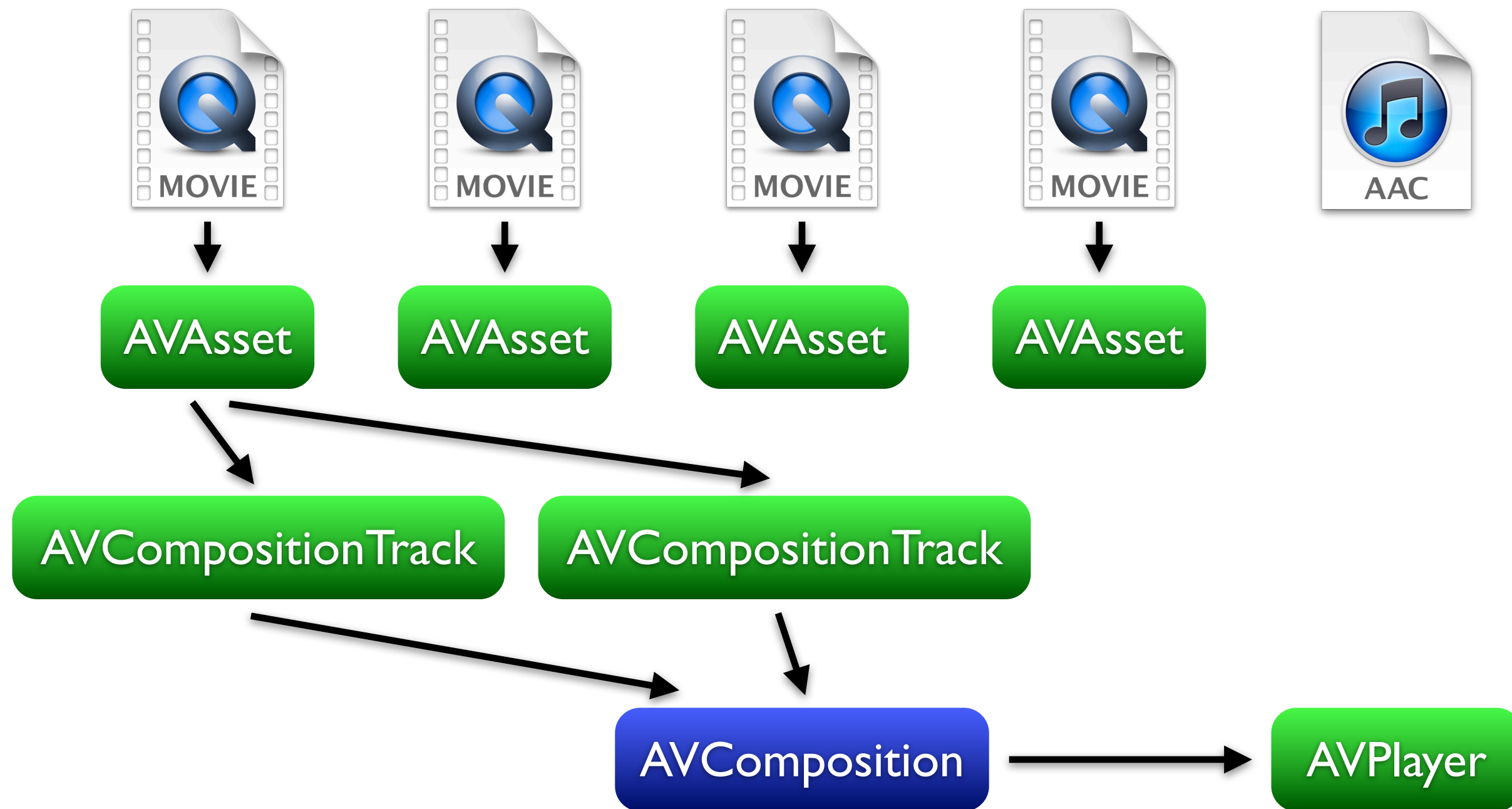
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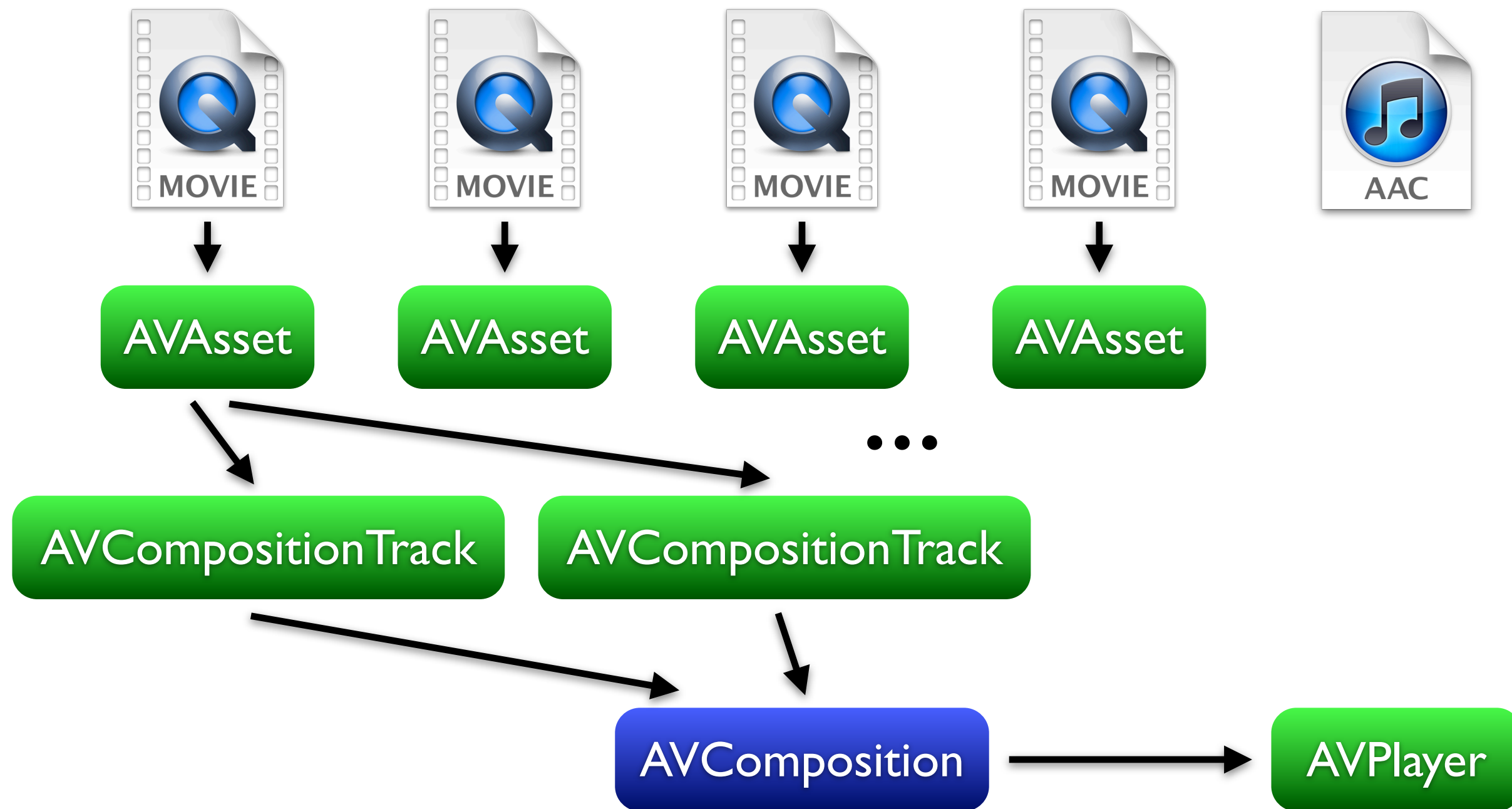
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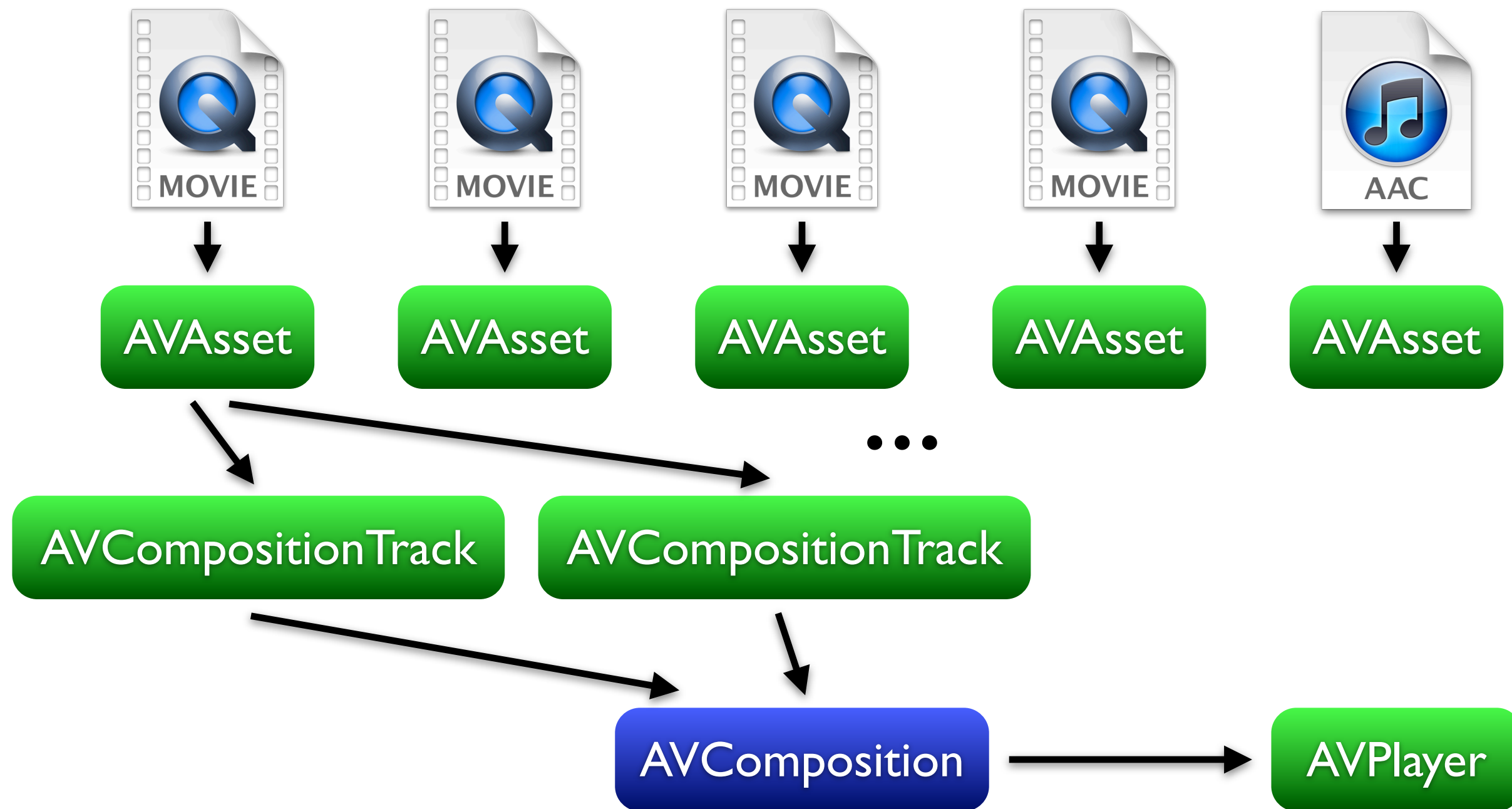
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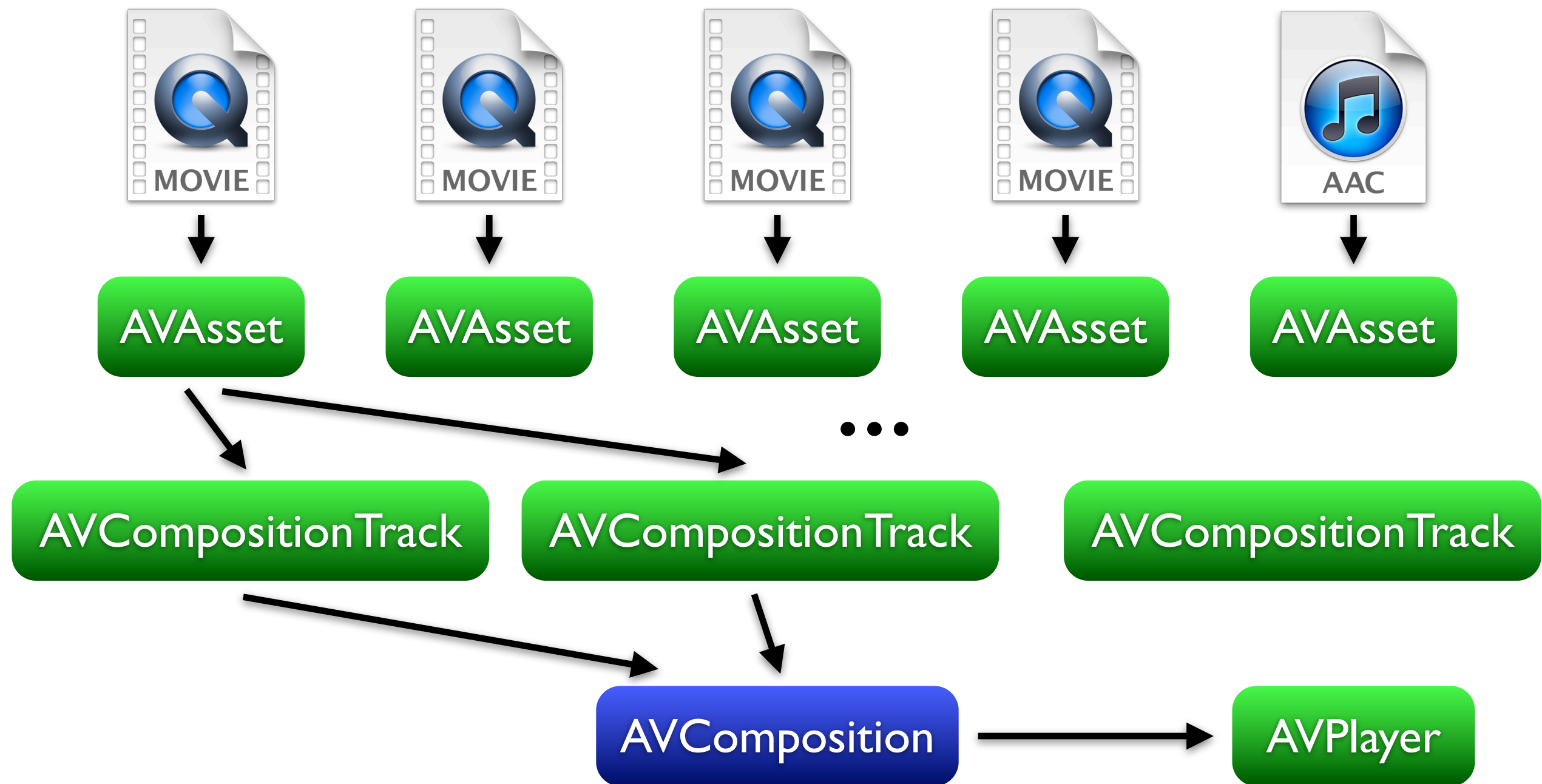
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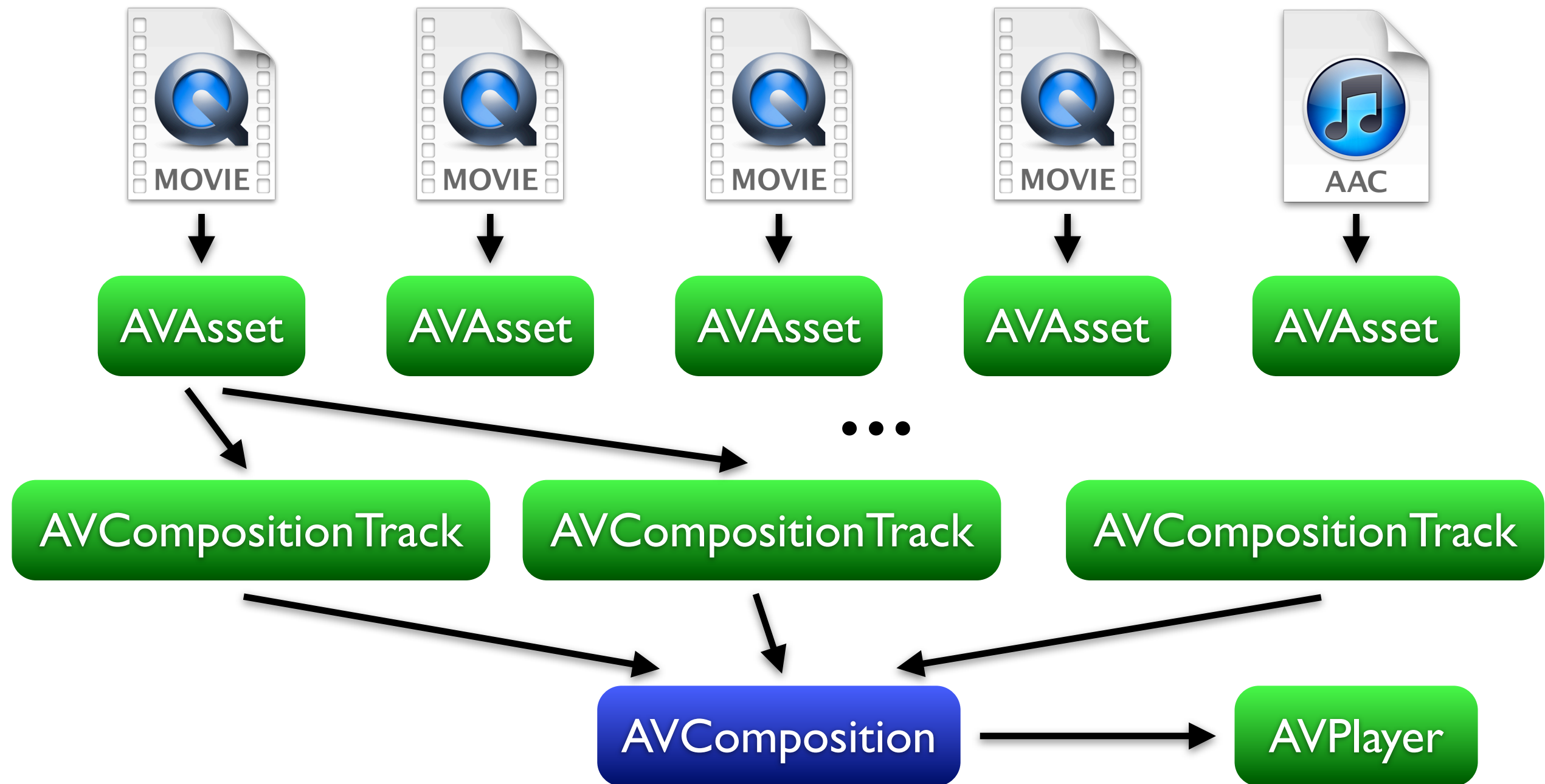
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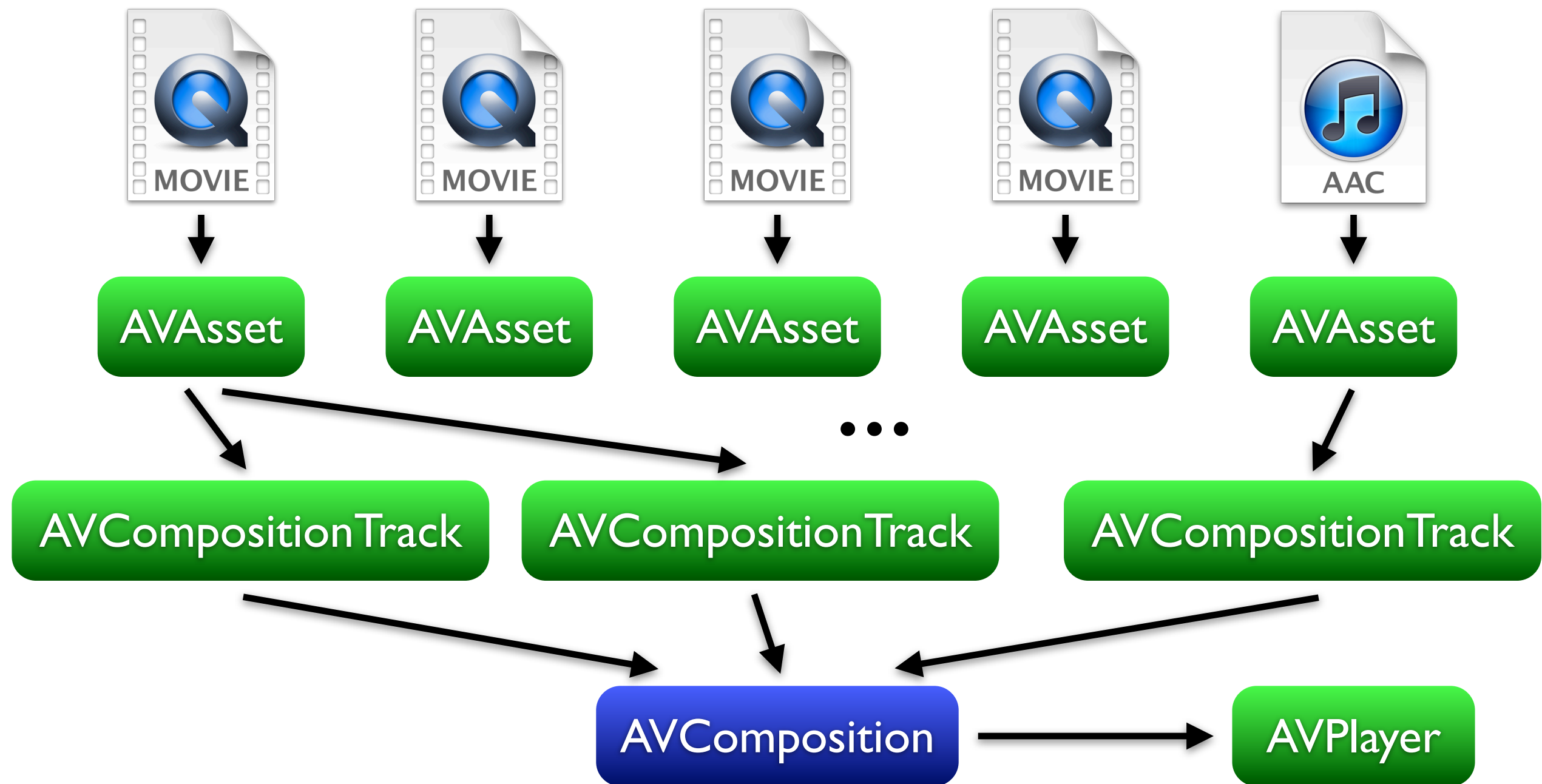
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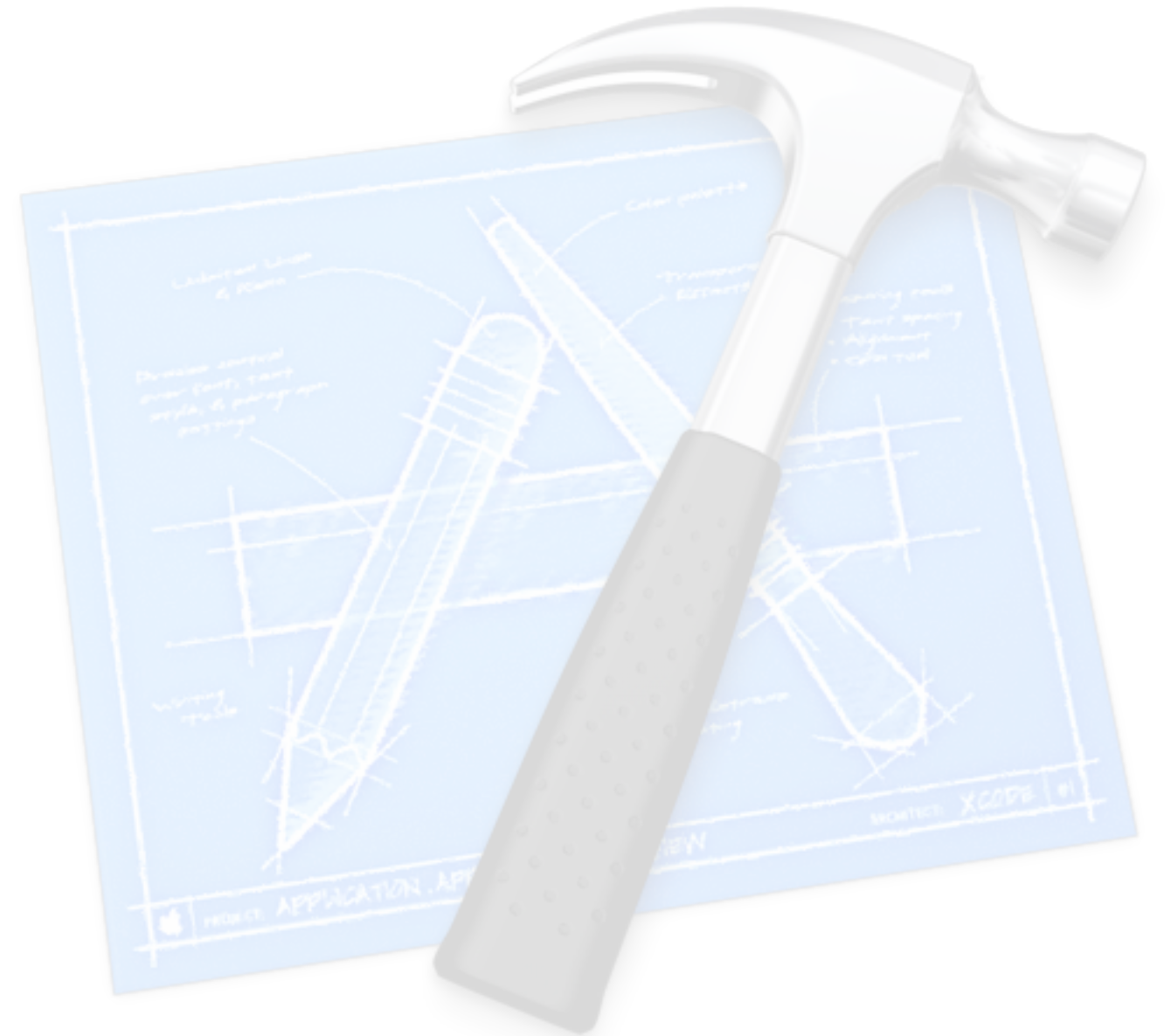
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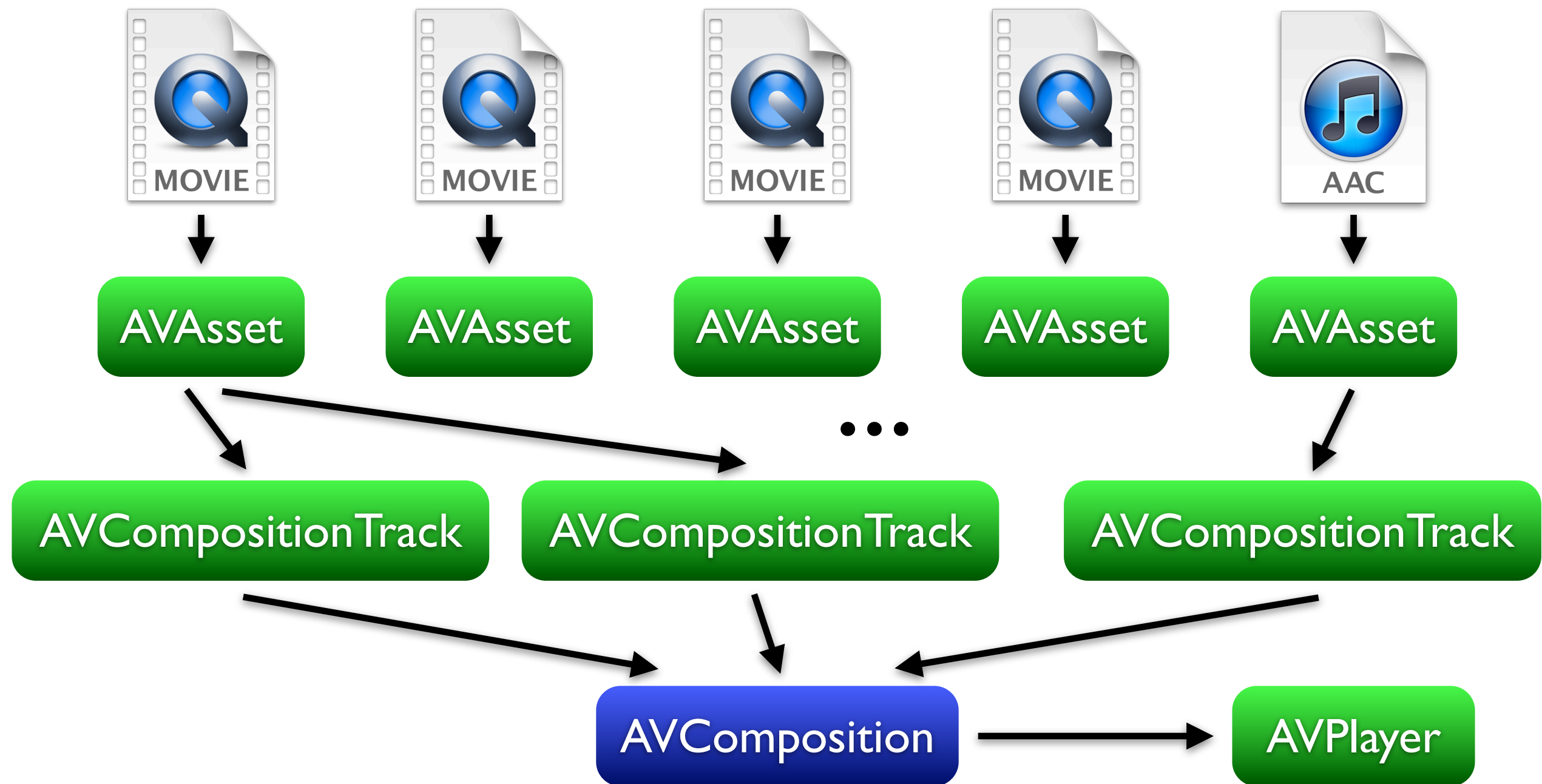
Editing



Demo



Editing



Export

Export

AVAsset

AVComposition



Export

AVAsset

AVAssetExportSession

AVComposition



Export

AVAsset

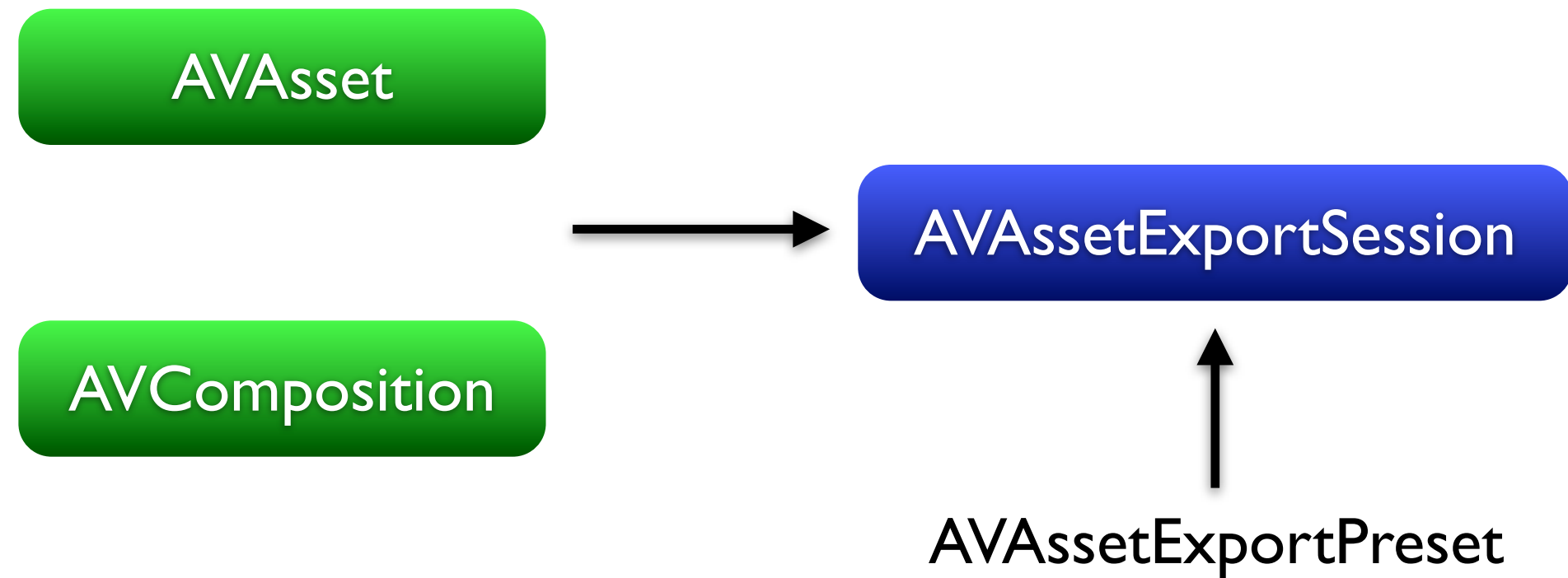


AVAssetExportSession

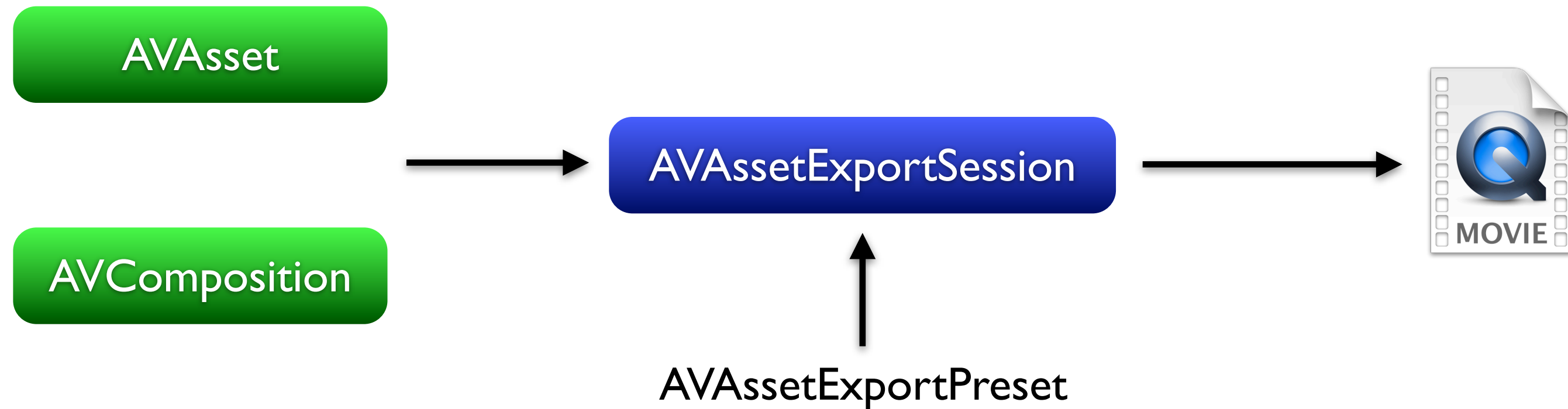
AVComposition



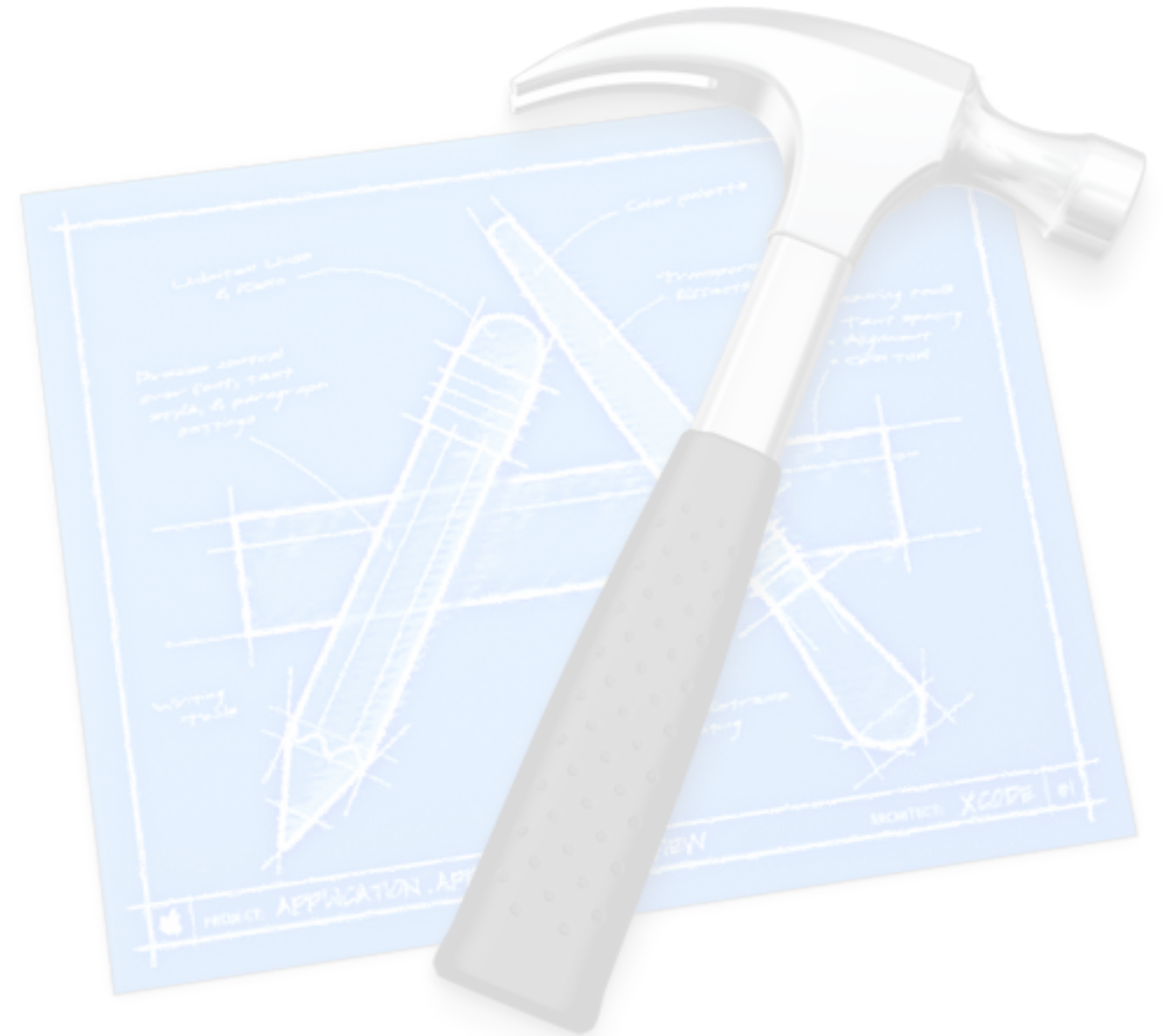
Export



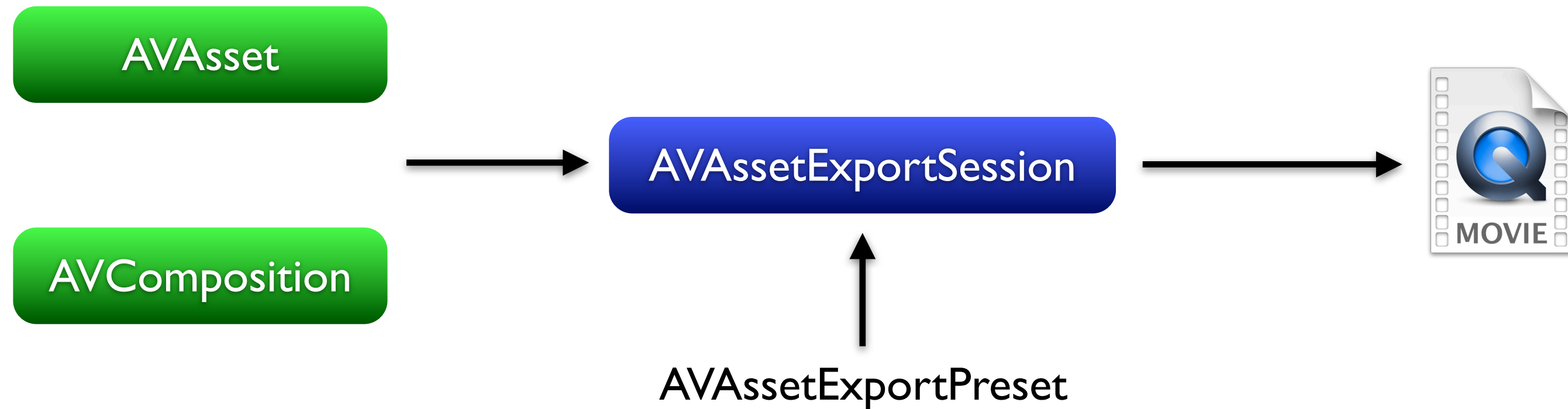
Export



Demo



Export



Capture

Capture



Capture



AVCaptureSession



Capture

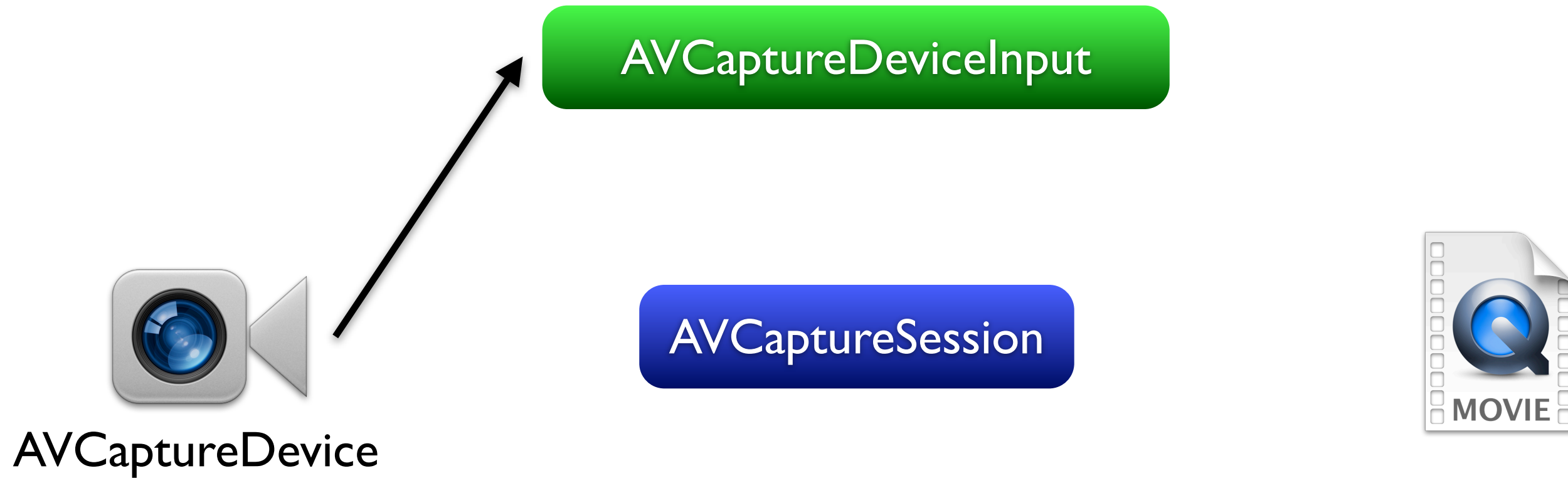


AVCaptureDevice

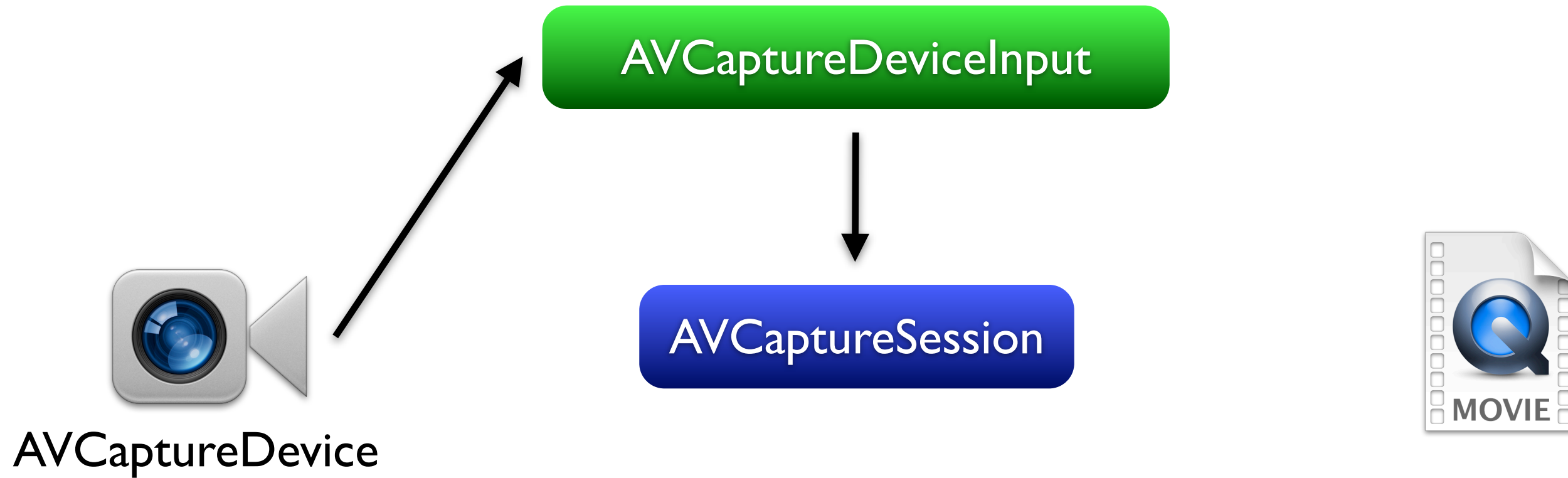
AVCaptureSession



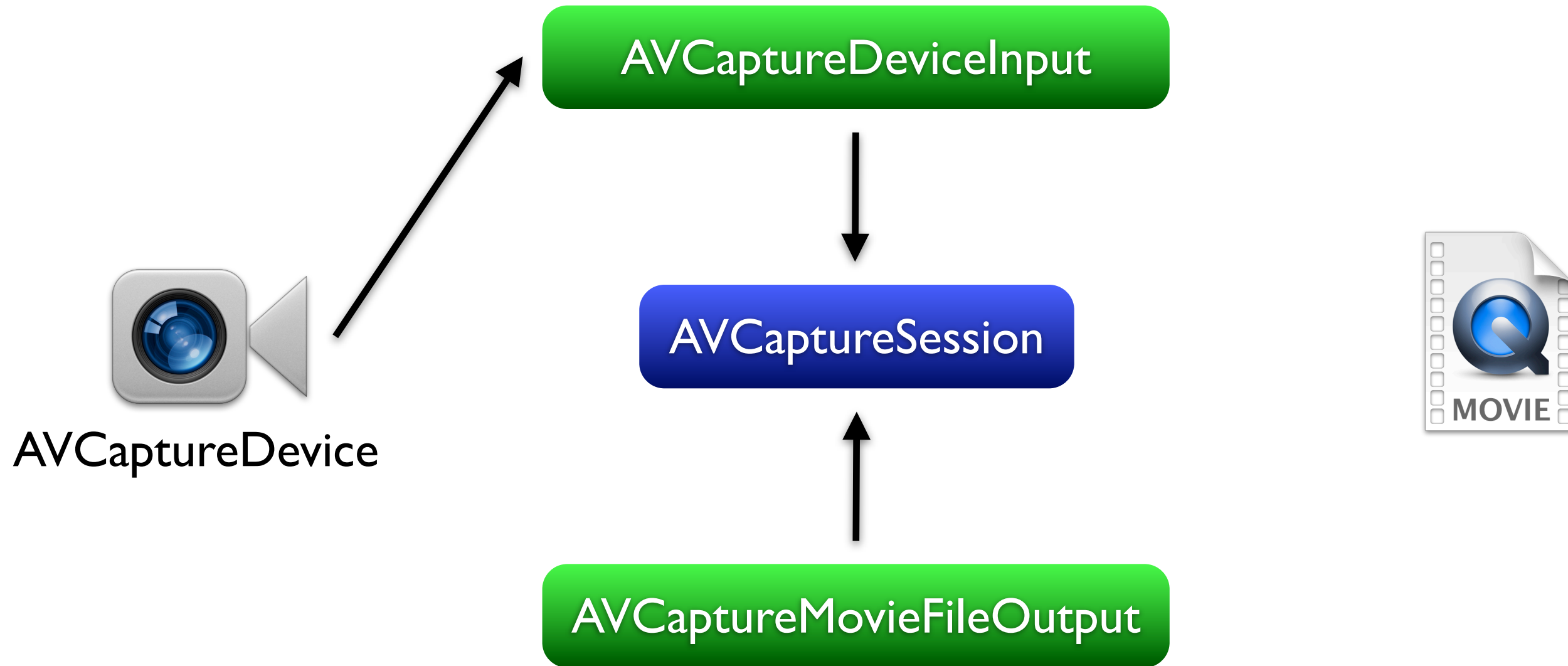
Capture



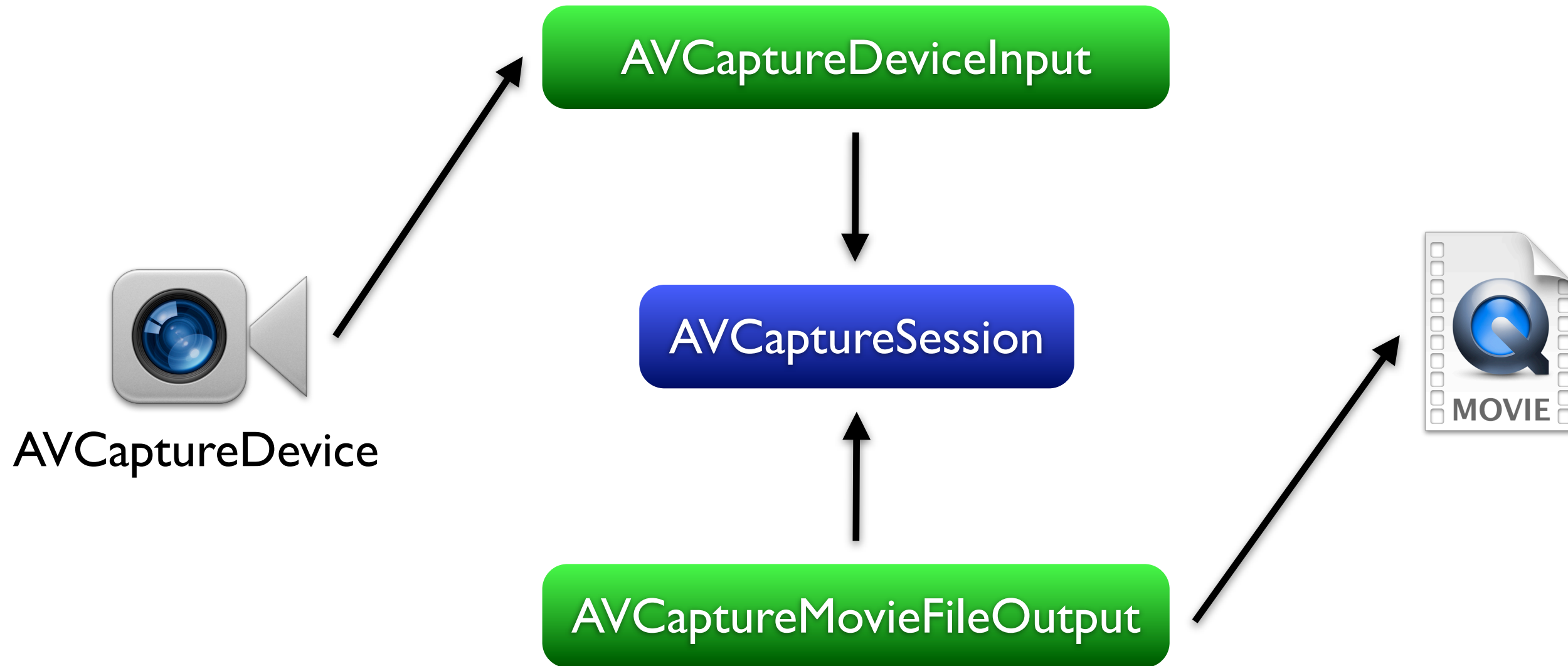
Capture



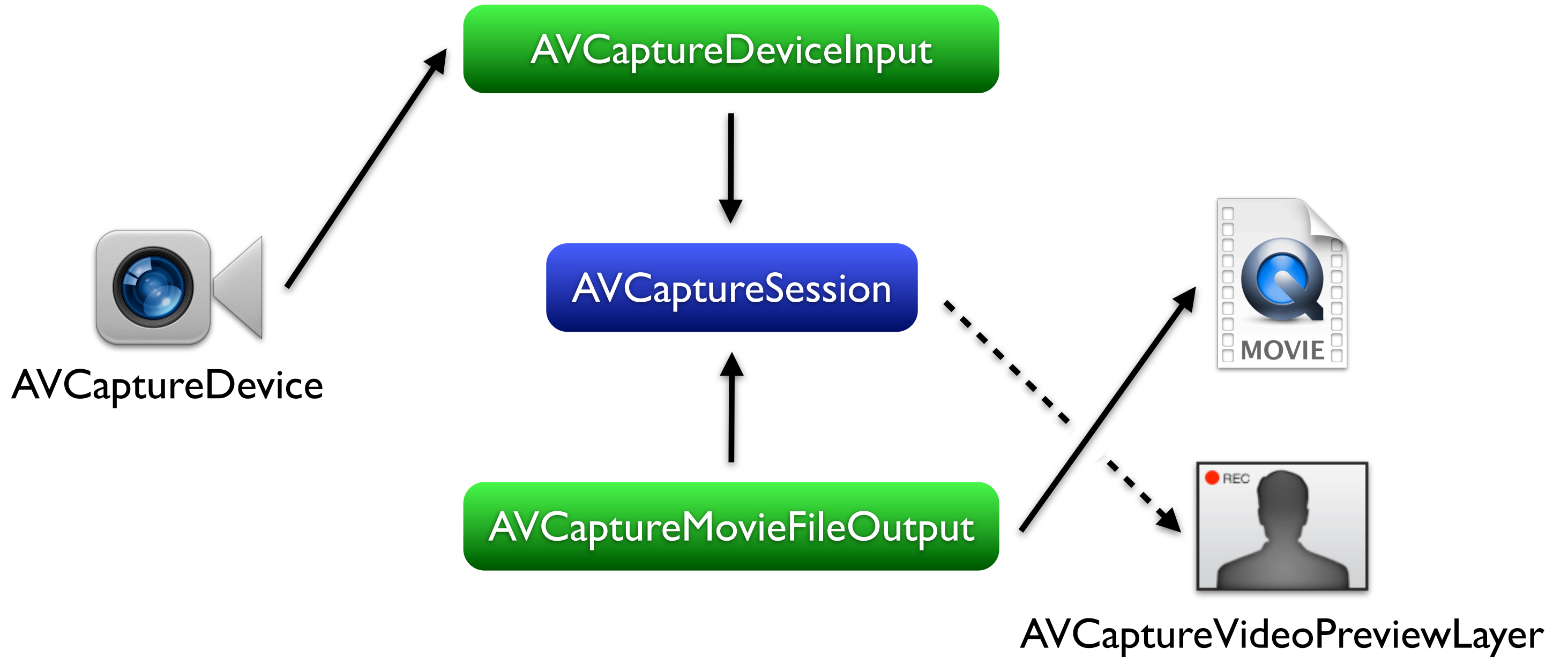
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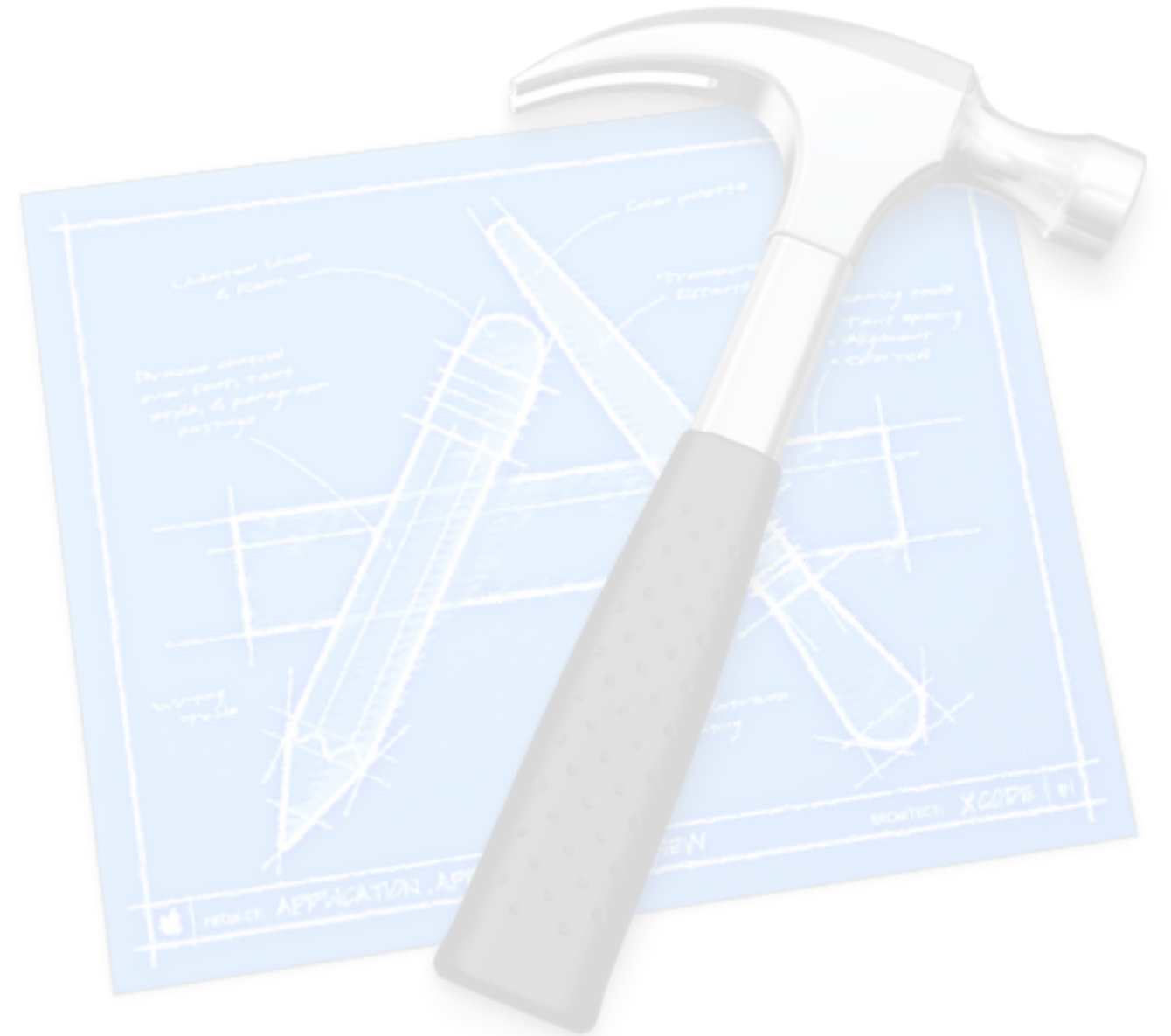
Capture



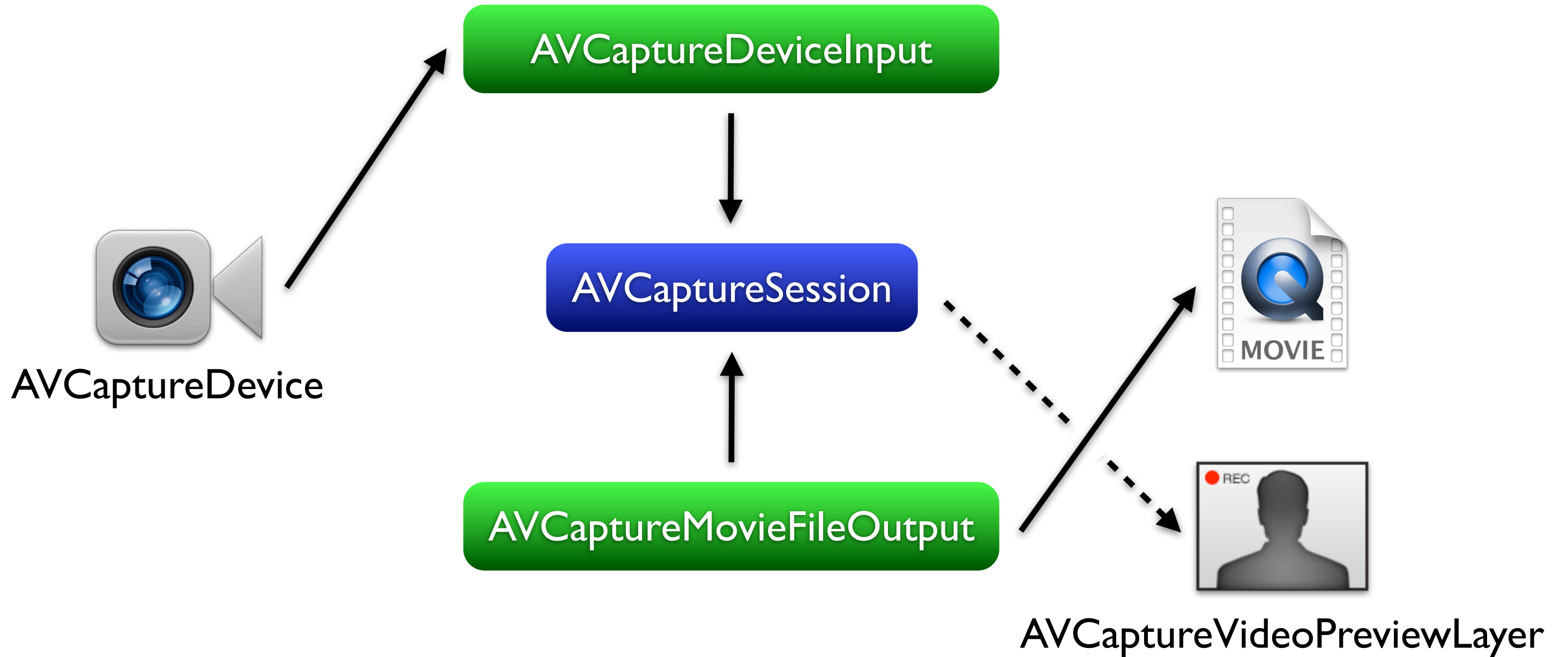
Capture



Demo



Capture



Zusammenfassung

- Objective-C Framework
- Audio und Video
- Playback, Editing, Export und Capture
- iOS und OS X
- H.264 und andere moderne Codecs

Weitere Informationen

- AV Foundation Framework Reference
- AV Foundation Programming Guide
- WWDC 2010 & 2011 Videos

Fragen?

Vielen Dank