

SCRIPTING KSP PER LA GESTIONE E MODIFICA DI PATTERN PERCUSSIONI MIDI IN TEMPO REALE



Raffaella Migliaccio

LINEE GUIDA

LINEE GUIDA

- Autenticità



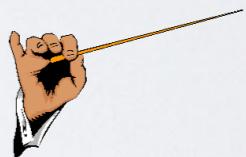
LINEE GUIDA

- Autenticità
- Libertà espressiva



LINEE GUIDA

- Autenticità
- Libertà espressiva
- Correttezza musicale





Chocolate Audio



Chocolate Audio

 KONTAKT 5

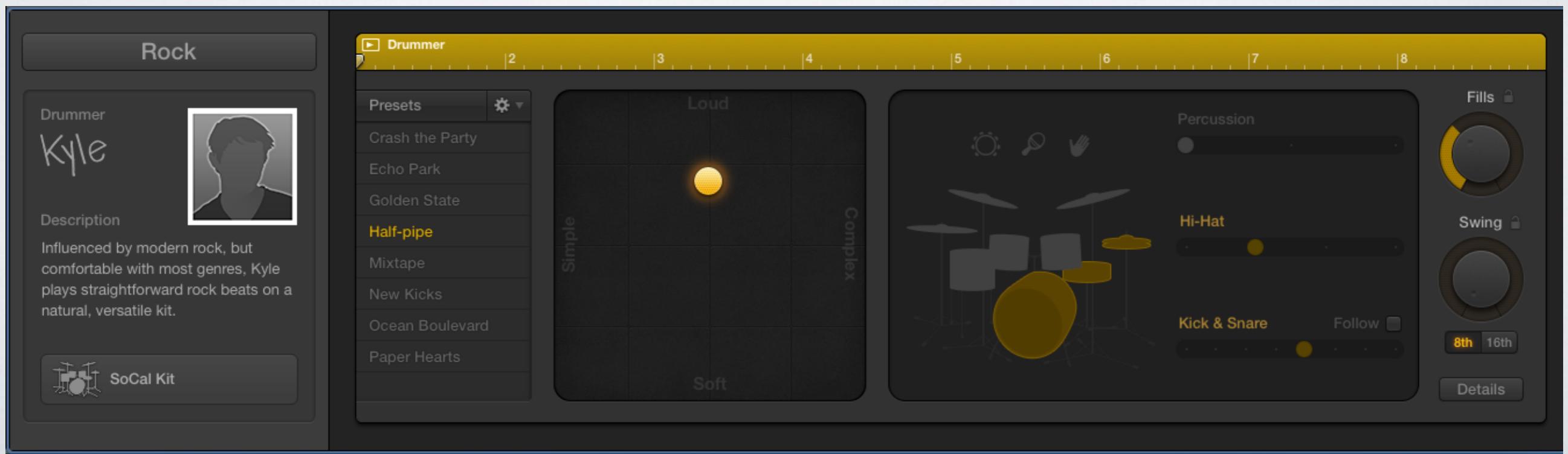


NATIVE INSTRUMENTS

STATO DELL'ARTE

STATO DELL'ARTE

Apple
Logic Pro X Drummer



STATO DELL'ARTE

Toontrack
EZDrummer

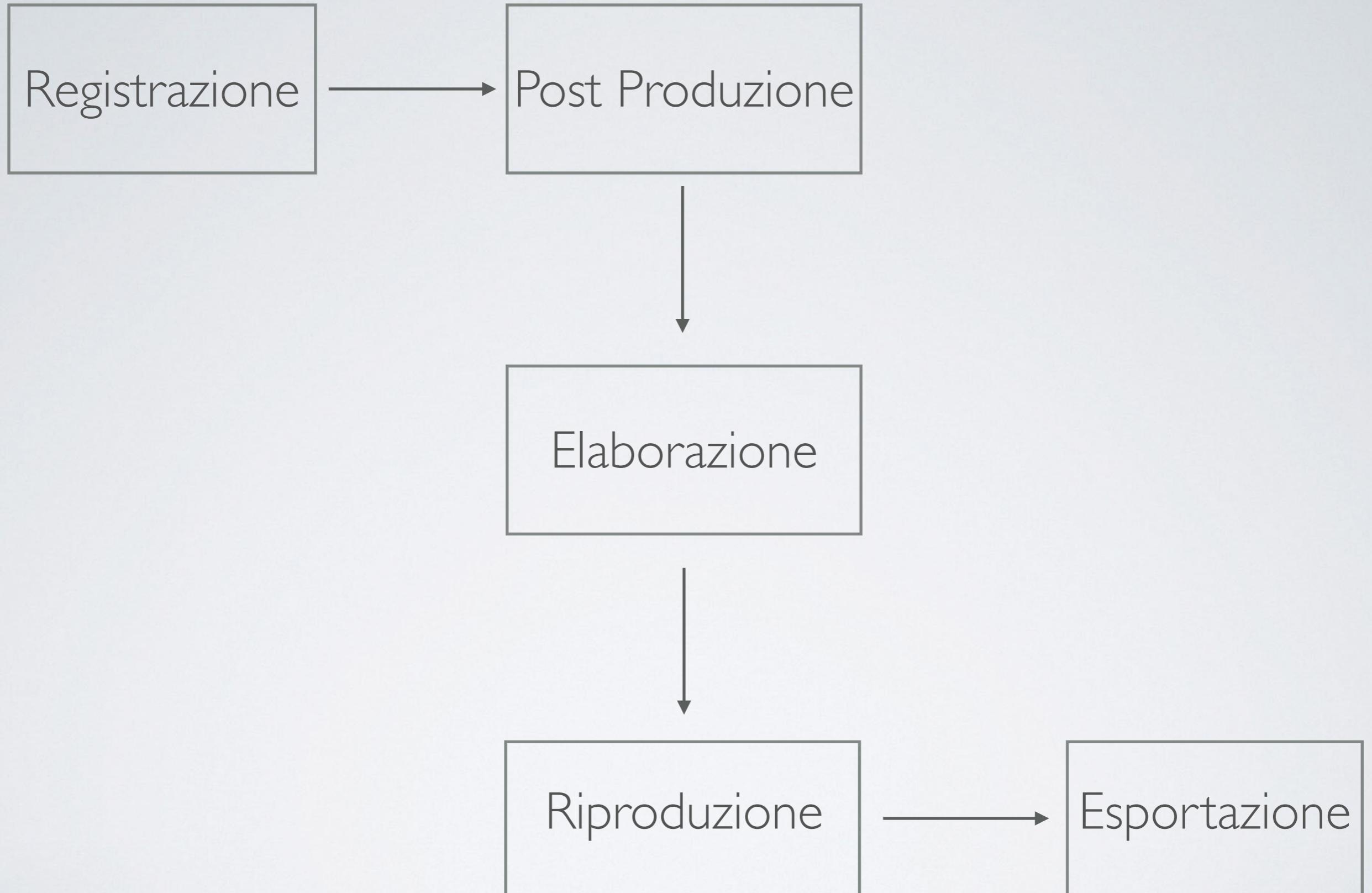


STATO DELL'ARTE

Native Instrument
Studio Drummer



PROGETTAZIONE E SVILUPPO



Registrazione

Post Produzione



Elaborazione

Riproduzione

Esportazione

Registrazione

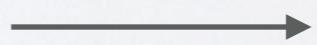
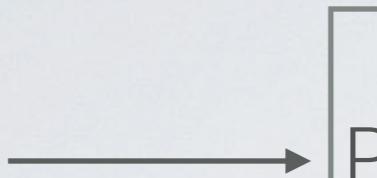
Post Produzione



Elaborazione

Riproduzione

Esportazione



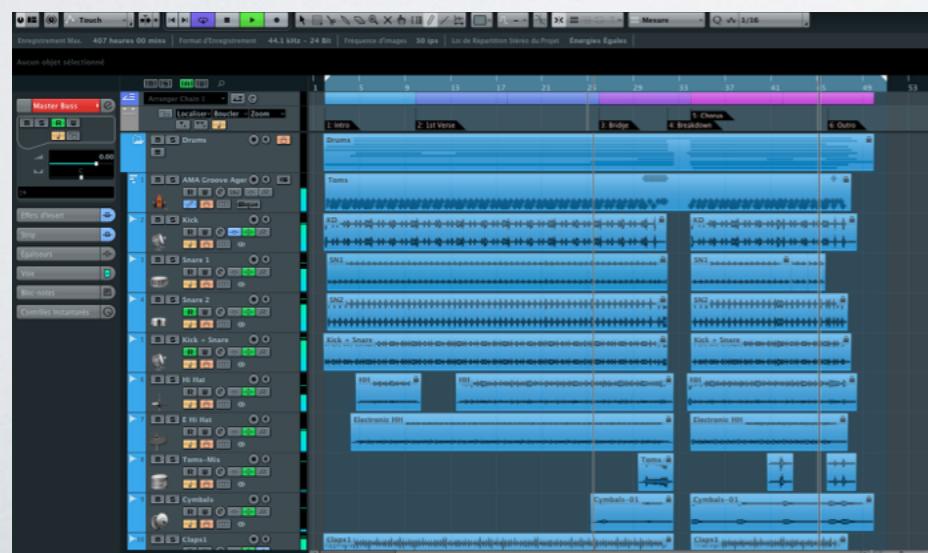
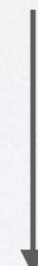
Registrazione



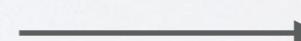
Post Produzione



Elaborazione



Riproduzione



Esportazione



TIPI DI PARTE RITMICA



TIPI DI PARTE RITMICA

- *intro*



TIPI DI PARTE RITMICA

- *intro*
- *groove*



TIPI DI PARTE RITMICA

- *intro*
- *groove*
- *fill*



TIPI DI PARTE RITMICA

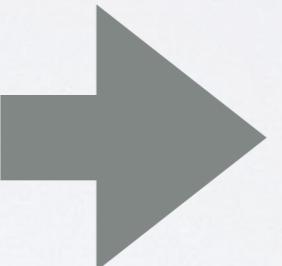
- *intro*
- *groove*
- *fill*
- *outro*



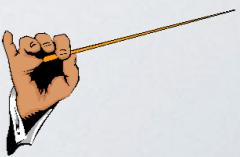


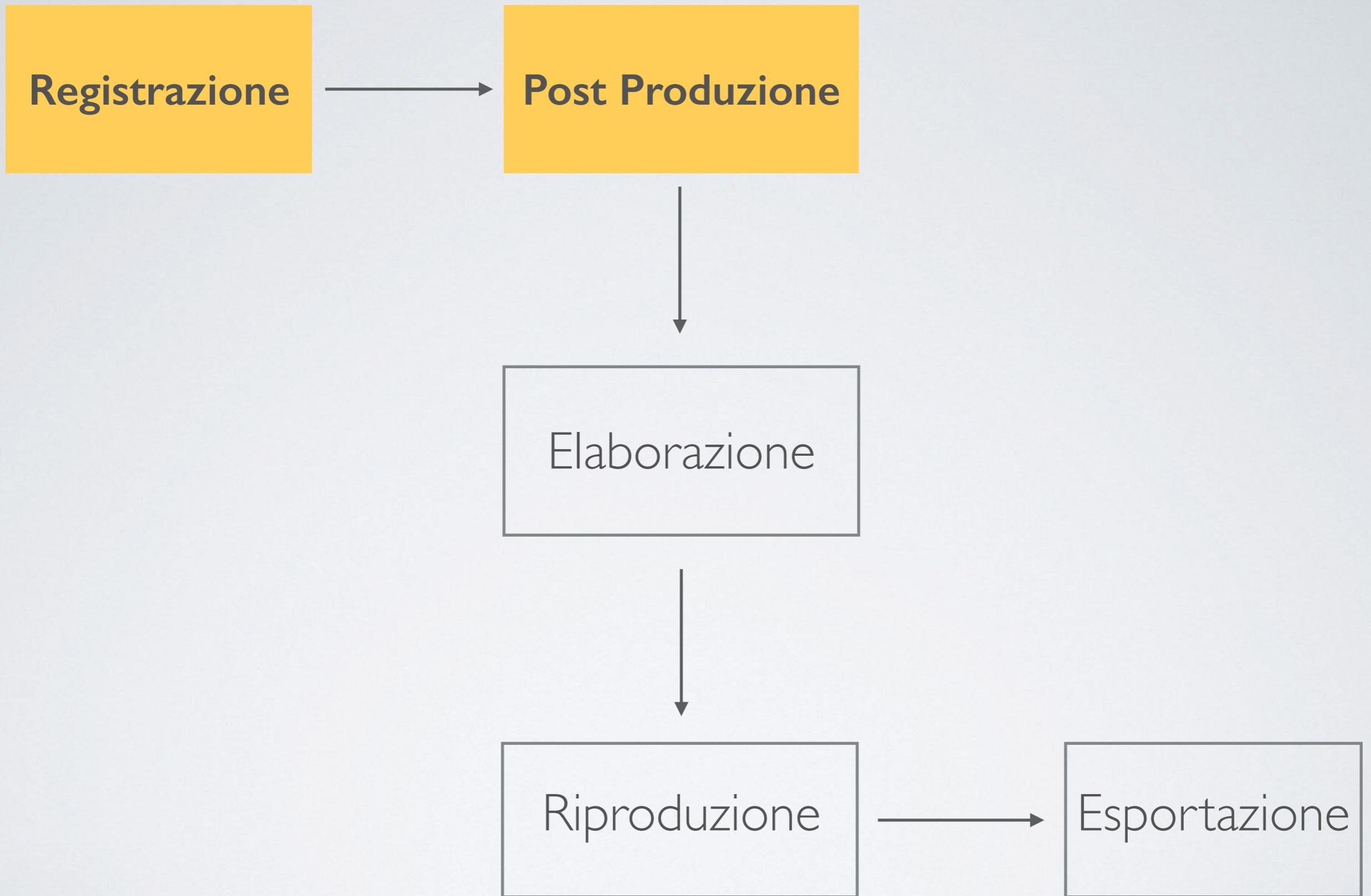
TIPI DI PARTE RITMICA

- *intro*
- *groove*
- *fill*
- *outro*



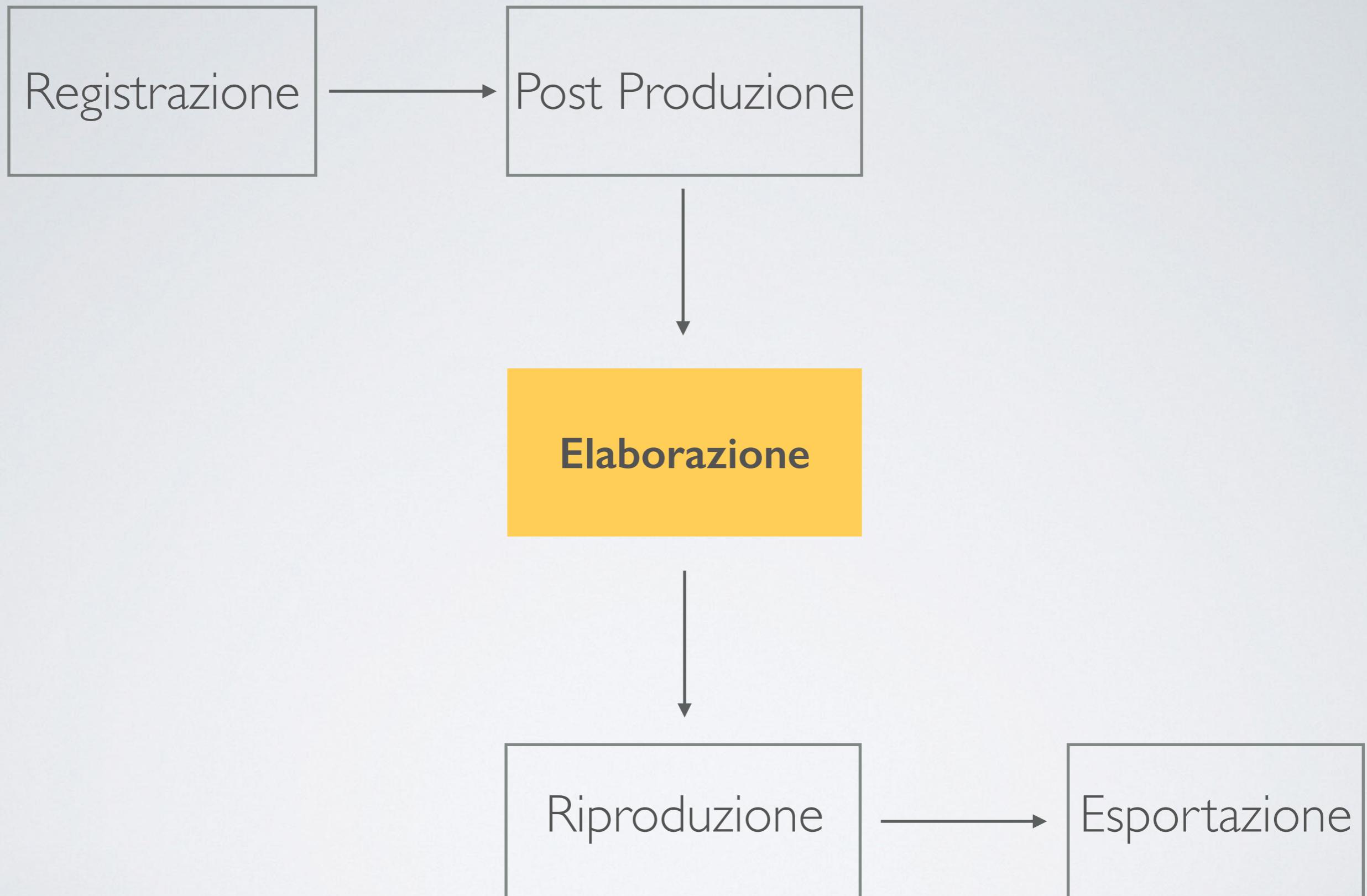
song



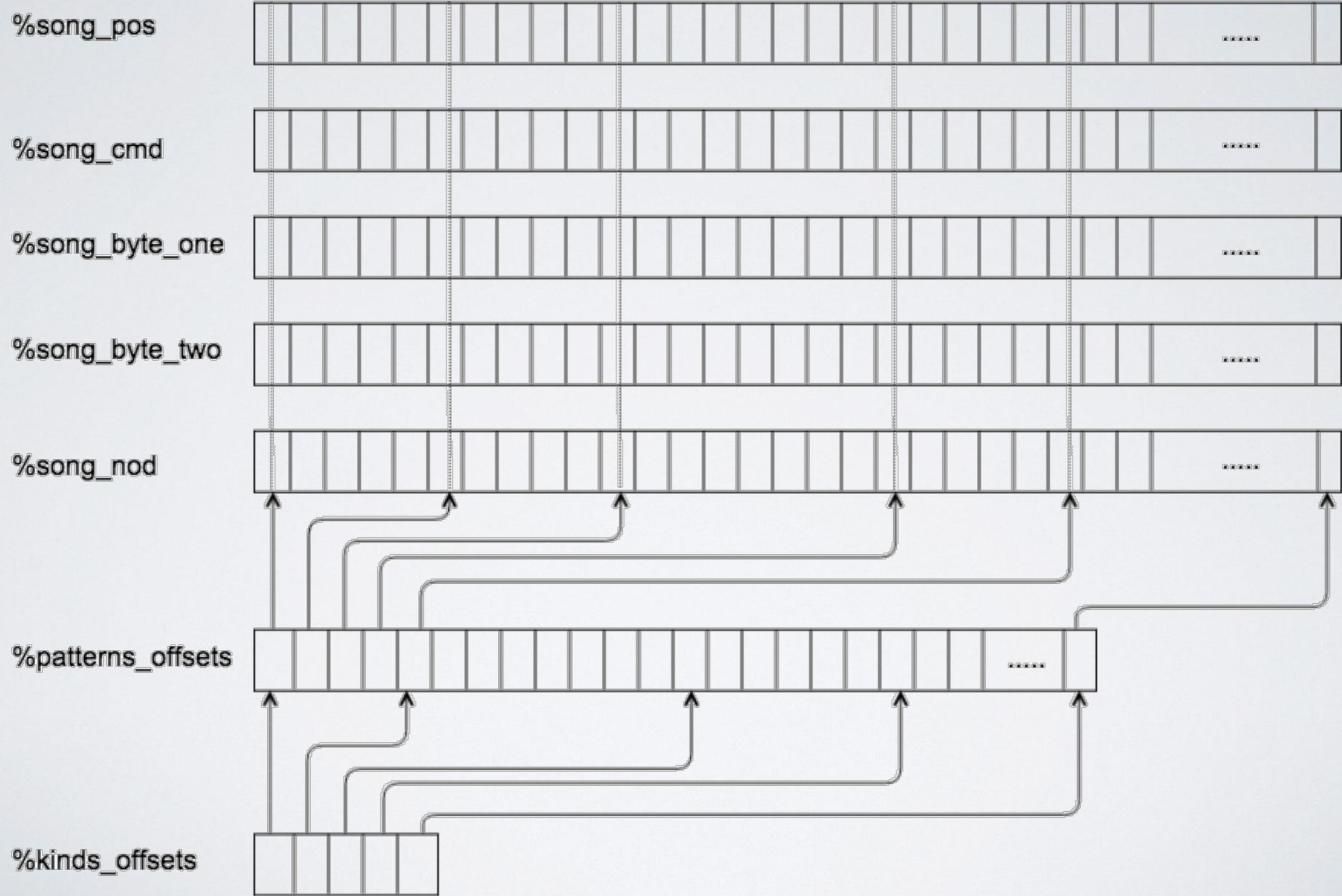




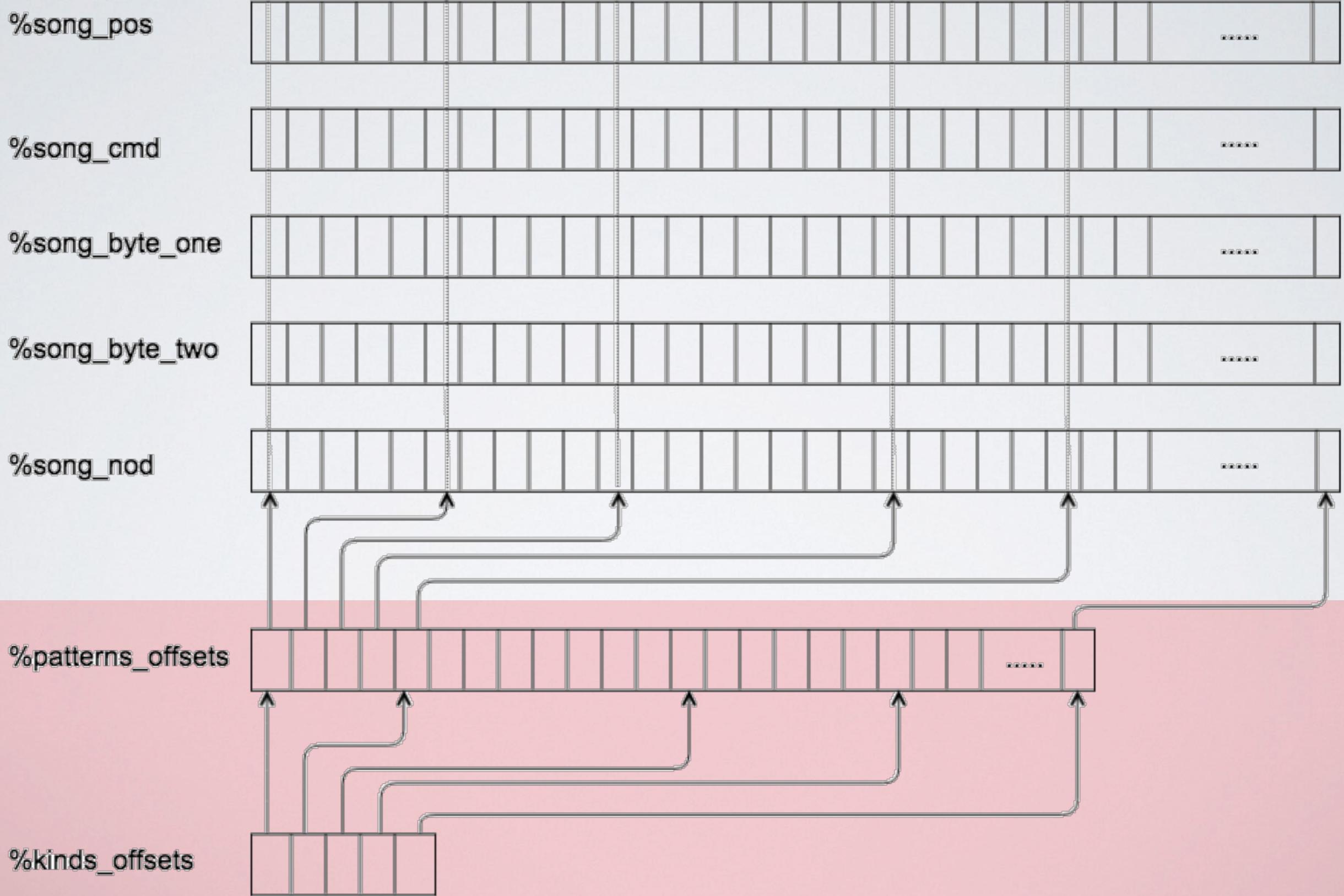




RAPPRESENTAZIONE DEI DATI



RAPPRESENTAZIONE DEI DATI





FUSIONI E TRASFORMAZIONI





FUSIONI E TRASFORMAZIONI

- Fusioni





FUSIONI E TRASFORMAZIONI

- Fusioni
- Trasformazioni





FUSIONI E TRASFORMAZIONI

- Fusioni
- Trasformazioni
 - quantizzazione





FUSIONI E TRASFORMAZIONI

- Fusioni
- Trasformazioni
 - quantizzazione
 - **swing**





FUSIONI E TRASFORMAZIONI

- Fusioni
- Trasformazioni
 - quantizzazione
 - **swing**
 - tempo



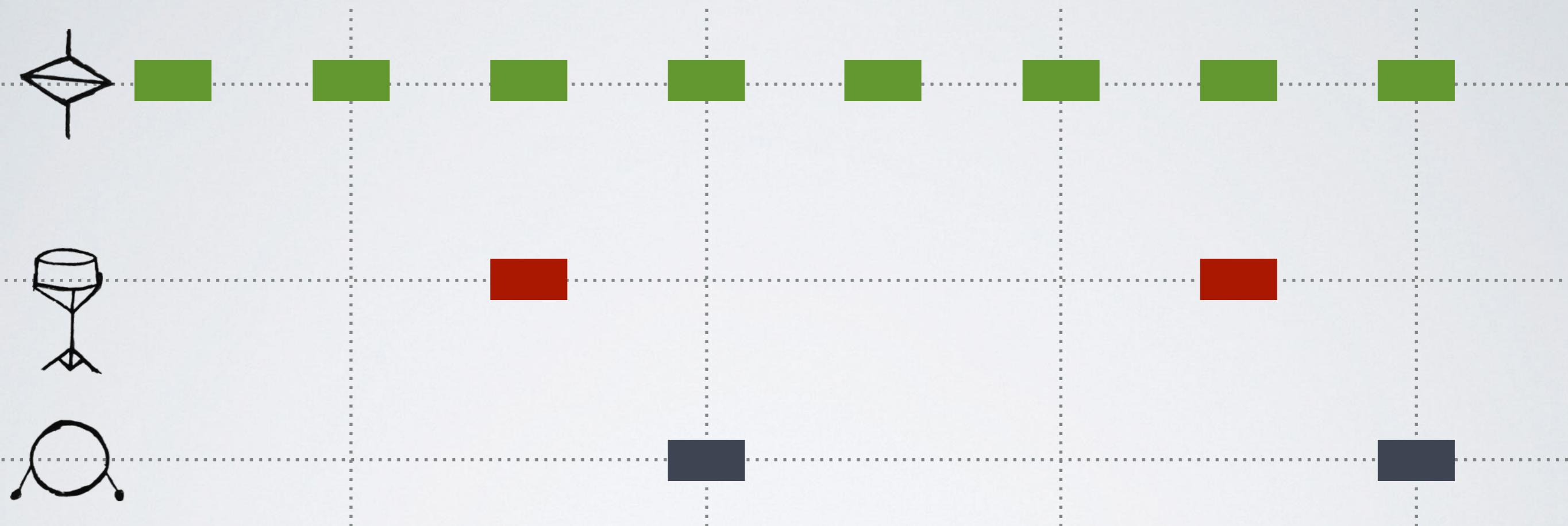


FUSIONI E TRASFORMAZIONI

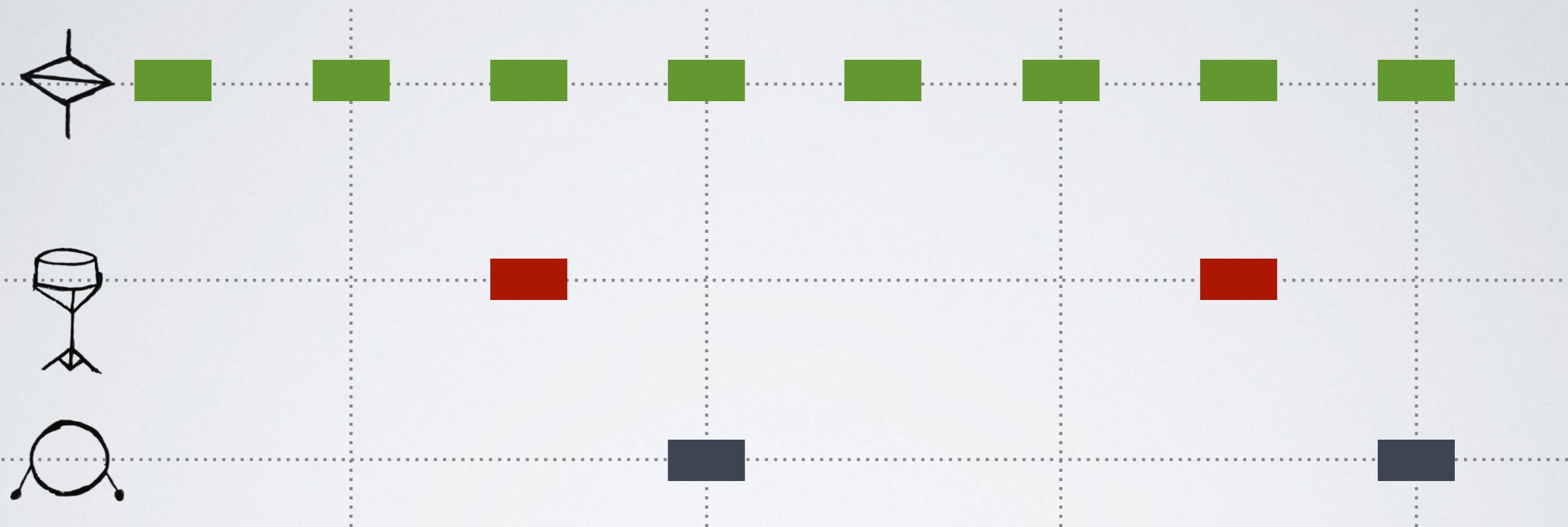
- Fusioni
- Trasformazioni
 - quantizzazione
 - **swing**
 - tempo
 - intensità



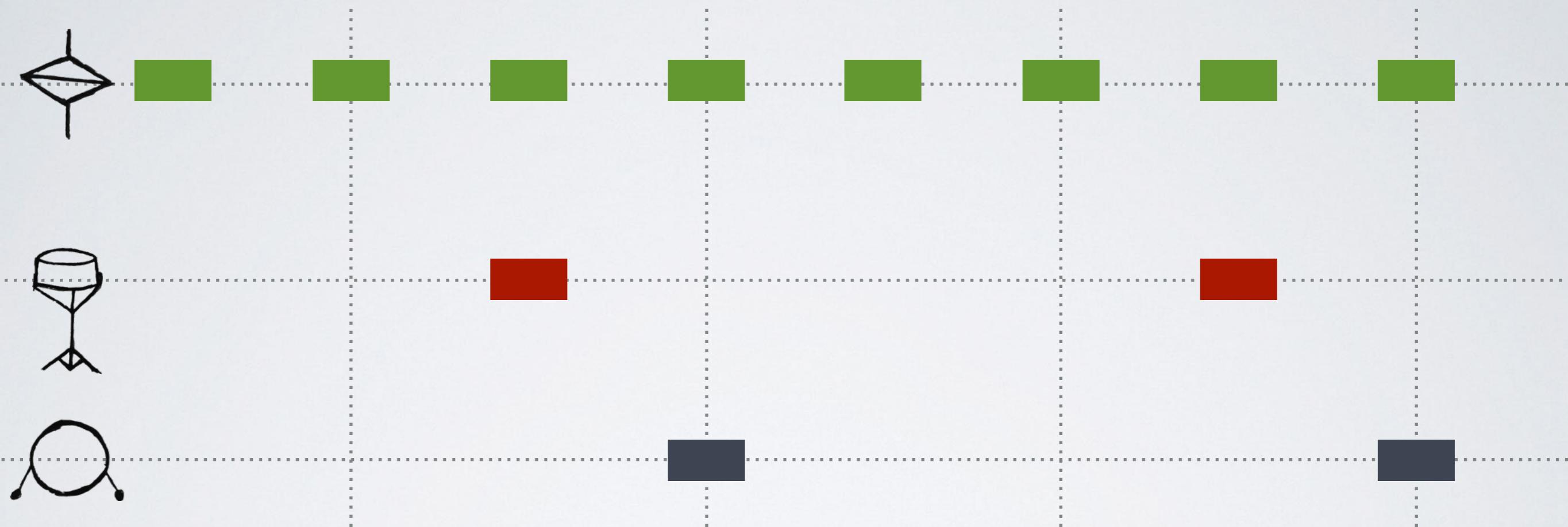
SWING



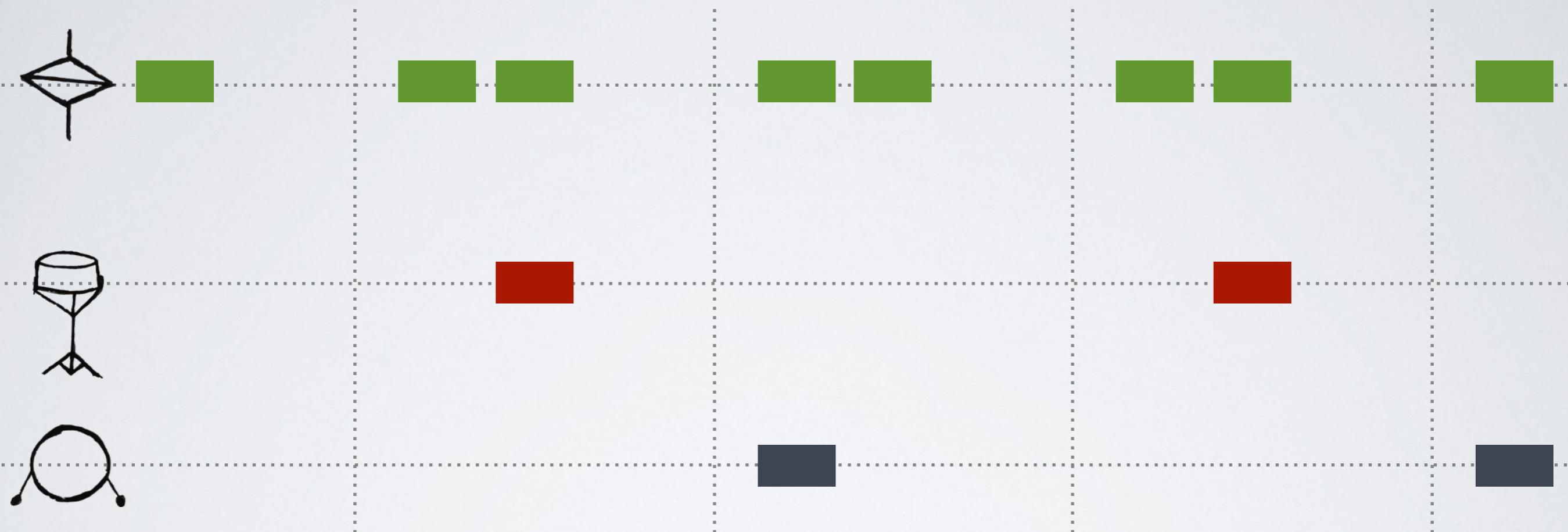
SWING



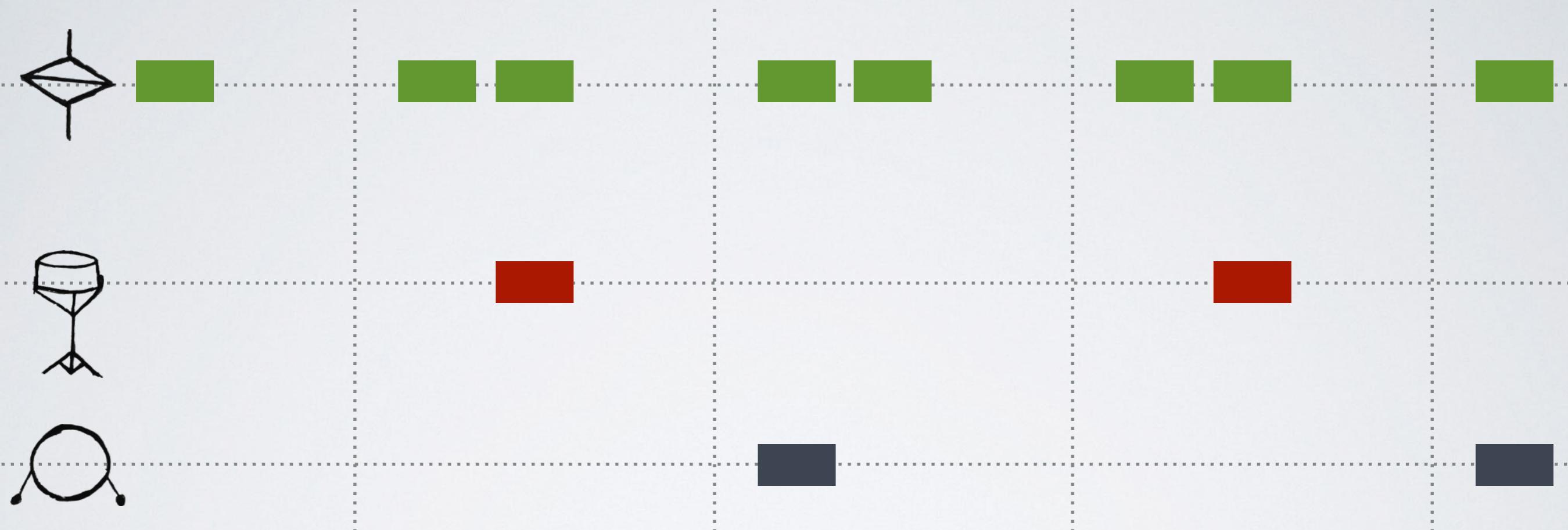
SWING



SWING

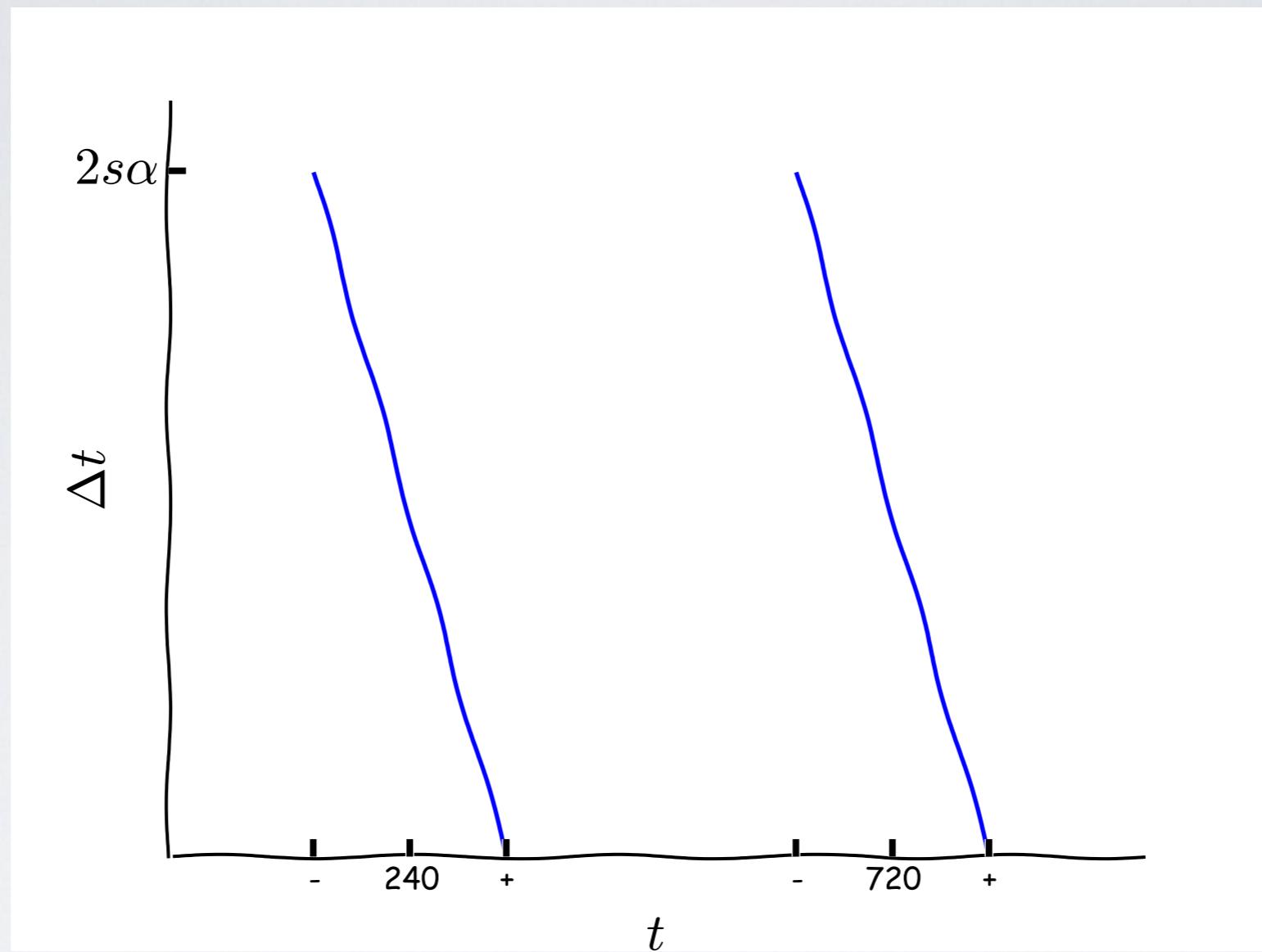


SWING

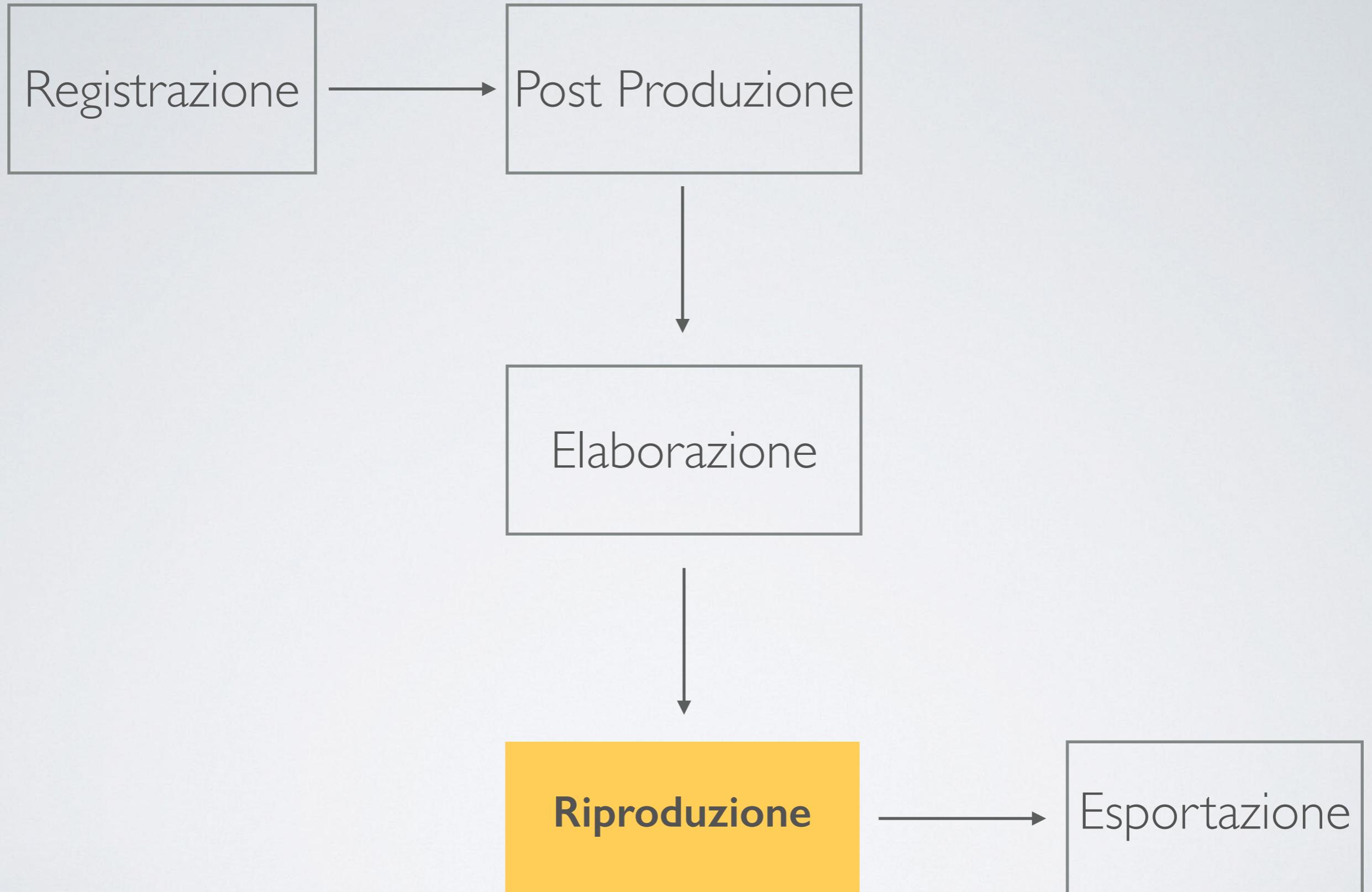


SWING

SWING

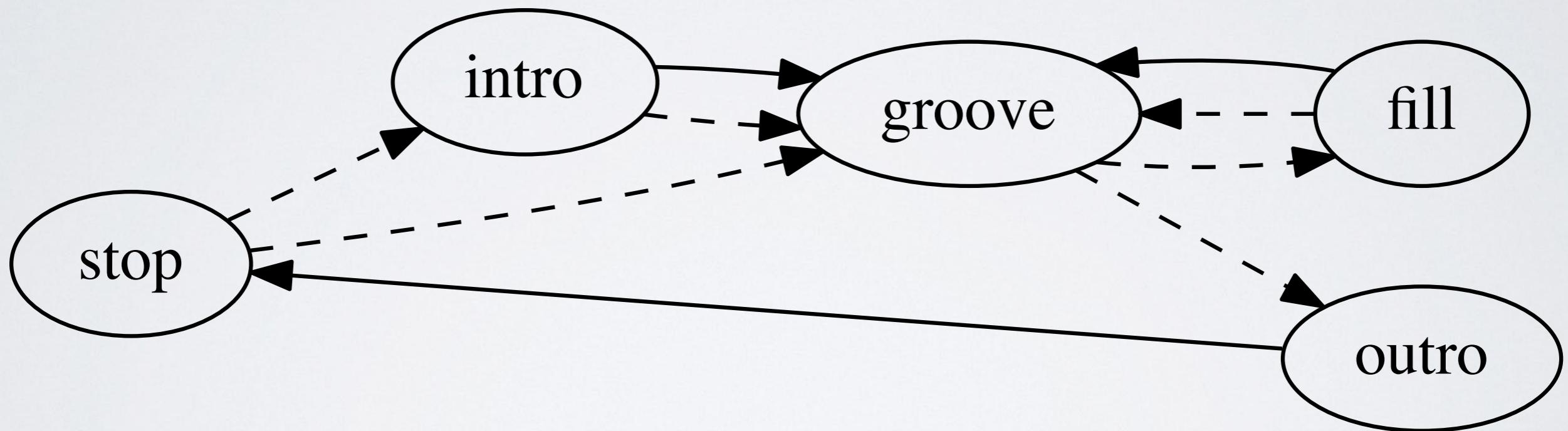


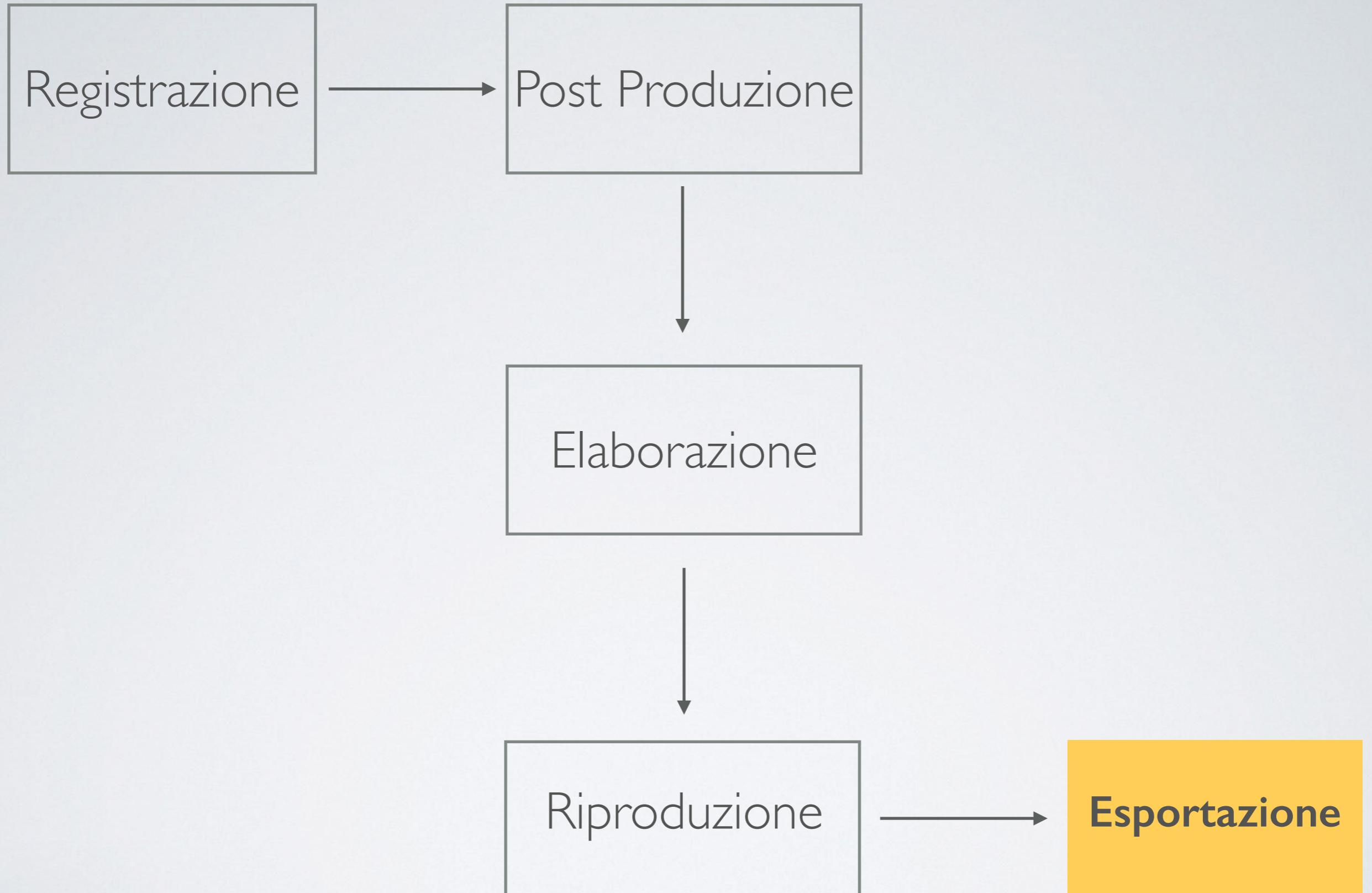
$$\Delta t = \begin{cases} \left(\frac{s}{2} - t \bmod s \right) + s\alpha & \text{se } \left| t \bmod s - \frac{s}{2} \right| \leq s\alpha \\ 0 & \text{altrimenti} \end{cases}$$





TRANSIZIONI







TOOLS OF THE TRADE





TOOLS OF THE TRADE

- CPP





TOOLS OF THE TRADE

- CPP
- Makefile



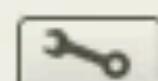


TOOLS OF THE TRADE



- CPP
- Makefile
- Java

DEMO



OldFunk Kit LDW MIDI

Output: st. 1

Voices: 0 Max: 32

Purge

S



Tune

0.00

M

L

R

X

-

AUX

PV

- Blues
- Funk
- Hard Rock
- Jazz
- Pop
- Rock

- Cold Sweat.mid
- Give It Up Or Turn It Loose.mid
- I've Got Work To Do.mid
- Make It Funky.mid
- Raffaella Migliaccio.mid
- Serpentine Fire.mid

intro

intro

- + 5 (1)

groove & fill

groove

- + 11 (4)

change

beat

bar

outro

DEBUG



[paused]

swing

grid

quantize

velocity

tempo



1/8



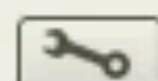
normal

x2

50

0

0



OldFunk Kit LDW MIDI

Output: st. 1

Voices: 0 Max: 32

Purge

S



Tune

0.00

M

L

R

X

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AUX

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outro

DEBUG



[paused]

swing

grid

quantize

velocity

tempo



1/8



normal

x2

50

0

0

SVILUPPI FUTURI

- Trasformazioni orientate ai pattern
- Gestione multidimensionale della complessità
- Miglioramento della GUI