

Pierre Jodłowski

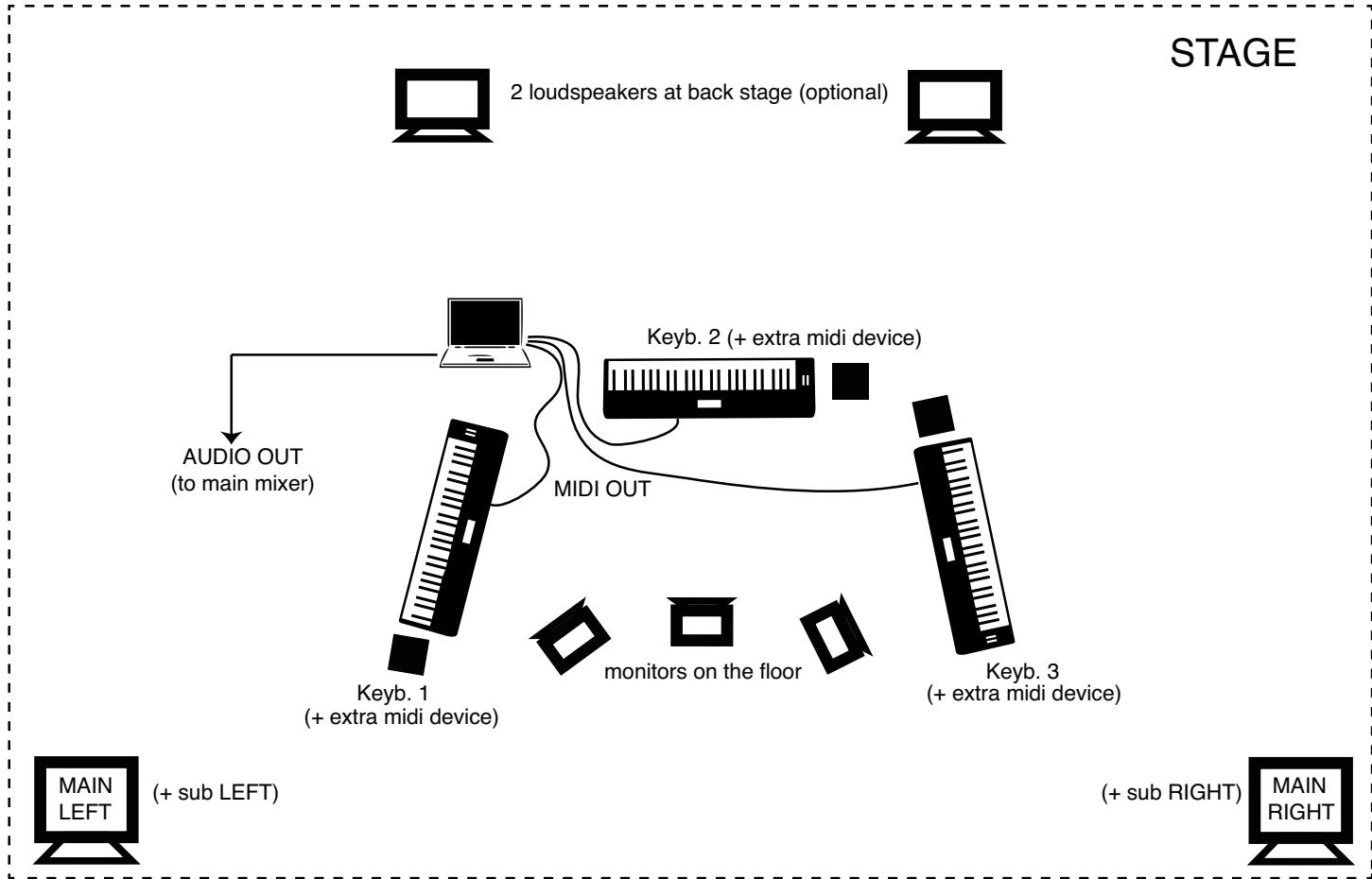
Artefacts

for 3 digital samplers
and additional soundtracks

*Comissioned by Lange//Berweck//Lorenz
funded by the Ernst von Siemens Music Foundation*

Artefacts

STAGE PLAN



TECHNICAL REQUIREMENTS

INSTRUMENTS

- 3 MIDI keyboards of 5 octaves
- computer(s) with Kontakt Sampler program and Max/Msp program + sound interface(s)
 - > minimum configuration: 1 computer with both programs + 1 sound interface
 - > configuration 2: 1 computer for Kontakt instruments + 1 extra computer for Max/Msp + 2 sound interfaces
 - > configuration 3: 1 computer for each musician + 1 extra computer for Max/Msp + 4 sound interfaces
- Midi triggers (Midi Pedal, pads, extra small keyboards...)
- 3 small megaphones (optional)

SOUND

- Full range stereo Front Speaker + additional stereo sub woofers
- 2 speakers on stand, behind musicians on stage (optional but recommended in order to create an audio source "coming" from the stage).
- monitors for musicians

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SAMPLERS INSTRUMENTS

SAMPLER 1 : LEAD 1 - this sampler is a full range polyphonic sampler (88 notes) based on an analog sound (Oberheim Lead 1980's). Duration is fixed (no looping), meaning sound stop after a moment.

- > it has 2 sound velocity levels. Piano = soft tone / Forte = distorted tone
- > the instrument has a specific random tuning : each note is randomly performed +/- 40 cents
- > MODULATION WHEEL : 0% = short attack / 100% = long attack (fade-in)

SAMPLER 2 : LEAD 2 - Similar to LEAD 1 WITH Sampling Rate and Bits Degradation.

- > it has 2 sound velocity levels. Piano = soft tone / Forte = distorted tone (with Sampling Rate and Bits degradation those two levels are not audible)
- > the instrument has a specific random behaviour : the parameters of the Sampling Rate and Bits degradation are randomly performed for each note)
- > MODULATION WHEEL : NO EFFECT

SAMPLER 3 : LEAD 3 - Similar to LEAD 1 with stereo delay

- > MODULATION WHEEL : 0% = short attack / 100% = long attack (fade-in)

SAMPLER 4 : LEAD 3 - Similar to LEAD 1 with vintage filter and slow attack

- > MODULATION WHEEL : 0% = short attack - No Filter / 100% = long attack (fade-in) - LowPass Filter

SAMPLER 5 : ANALOG A - this sampler is a full range polyphonic sampler (88 notes) based on analog and digital synthesizers tones. Duration is fixed (no looping), meaning sound stop after a moment.

- > it has 2 sound velocity levels. Piano = soft tone - different for each note with micro tuning / Forte = distorted tone, different for each notes.
- > MODULATION WHEEL : 0% = short attack / 100% = long attack (fade-in)

SAMPLER 6 : ANALOG B - Similar to ANALOG A with constant Fade-in slow attack + low-pass filter

- > MODULATION WHEEL : from 0% to 100% = control of the filter cutoff frequency (from low to high) and control of the amount of distortion

SAMPLER 7 : DISTO A - this sampler is a full range polyphonic sampler (88 notes) based on distorted sounds recorded from synthesizers and guitars. Duration is fixed for High Velocity range (no looping), meaning sound stop after a moment; for Low velocity range, duration is not limited (looping).

- > it has 2 sound velocity levels. Piano = cheap soft buzz tone / Forte = distorted tones (different for each note)
- > MODULATION WHEEL : from 0% to 100% = noise extra level

SAMPLER 8 : PERCLOOP - this sampler is a 5 octaves based on different ambiance, noises, machine sounds and drumloops. Duration is not limited (looping).

- > it has 2 sound velocity levels
- pp or p (piano) = a set of different ambiance sounds (noises, machines, field recordings) - with loop;
- mf to ff (forte) = a set of different percussive sounds (impacts, slams, drums and drumloops) - no looping
- > MODULATION WHEEL : from 0% to 100% = add LoFi effect (downsampling and noise)

Performer 1 plays : ANALOG A, ANALOG B, DISTO A, LEAD 2, LEAD 3

Performer 2 plays : LEAD 1, LEAD 2, LEAD 4

Performer 3 plays : PERCLOOP

Artefacts

Duration : 15 minutes 40 seconds

Special notation :

N.B. : most of the special notations for instruments are generally precised directly into the score ; the following signs are common for all musicians :



CUT gesture. This sign indicates to cut very precisely the previous sound or action. Cutting means to stop to play but also to make a "gesture" (with head, hands, body...) to improve this "cut" action. This sign is also used to indicate cuts in soundtracks.



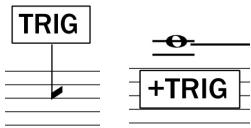
This sign means that accidentals are valid for the entire measure or a passage with similar elements. Otherwise accidentals are valid only for 1 note except group of same repeated notes.

Electronic parts

PERFORMING THE SAMPLERS:

Each performer connects the MIDI keyboard to the Kontakt sampler. Each instrument can have a different MIDI channel which allows to switch easily from one to another according to the score. On the kontakt player interface, all the instruments must have the same output level in order to preserve the original balance. In the case of using several computers and sound interface, each performer can try out the same instrument and adjust equally the output level.

TRIGGERING SOUNDS FROM MAX/MSP Patch:



Each performer has to trigger CUES in order to produce electronic sounds which have to be mixed with the sounds of the sampler. Each performer can use any extra MIDI device such as Midi Pads, extra small keyboard, dedicated pedal. All the devices must be connected to one MIDI interface controlling the Max/Patch. Each time one of this device is performed, the next CUE is triggered via the Max patch.

16

There is a total of 81 CUES to be triggered.
Please refer directly to the Max Patch in order to control it.

CUE NUMBER

N.B. : in case of using only one computer for both Kontakt Samplers and Max Patch, it is recommended to use different outputs to avoid distortions.

Artefacts

Pierre Jodlowski
dedicated to Lange//Berweck//Lorenz Trio

A $\text{♩} = 90$

01

Soundtrack

Sampler 1

Sampler 2

Sampler 3

LEAD 1

LEAD 2

LEAD 3

PERC-LOOPS



02

03

Snd

S. 1

S. 2

S. 3

04

8 9 10 11

Snd

ANALOG A

S. 1

S. 2

S. 3

05

12 13 14 15

Snd

TRIG

DISTO A

LEAD 2

LEAD 1

S. 1

S. 2

S. 3

06

16 17 18

Snd

TRIG

S. 1

S. 2

S. 3

4

08

09

21

22

10

Snd



21



S. 1



S. 2



S. 3



=

11

25

26

12

Snd



S. 1



S. 2



S. 3



Snd



S. 1



S. 2



S. 3



14 **15** **5**
 31 32 33

Snd: $\frac{6}{4}$ $\frac{4}{4}$ $\frac{3}{4}$

S. 1: $\frac{6}{4}$ *p* LEAD 2 TRIG $\frac{3}{4}$

S. 2: $\frac{6}{4}$ *p* ff

S. 3: $\frac{6}{4}$ TRIG $\frac{3}{4}$

==

16 **17**
 34 35 36 37

Snd: $\frac{3}{4}$ $\frac{2}{4}$ $\frac{2}{8}$ $\frac{4}{4}$

S. 1: $\frac{3}{4}$ TRIG $\frac{2}{8}$ $\frac{4}{4}$

S. 2: $\frac{3}{4}$ LEAD 1 ff

S. 3: $\frac{3}{4}$ ff

==

38 39

Snd: -----

S. 1: -----

S. 2: $\frac{3}{4}$

S. 3: $\frac{3}{4}$

6

40

Snd

41

42

18

(DISTO A)

p

43

19

44

45

ff

pp

TRIG

46

47

48

49

50

20

LEAD 2

ff

pp

TRIG

C 21

51 52 53

Snd  

S. 1   

S. 2   

S. 3  

=

22**23**

54 55 56 57

Snd    

S. 1  

S. 2 

S. 3 

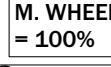
=

24

58 59 60 61

Snd   

S. 1 

S. 2  

S. 3 

8

25

62 Snd 63 64

Snd: 4/4 time signature, note heads with vertical stems.

S. 1: Treble clef, 4/4 time signature, dynamic *p*, note heads with vertical stems.

S. 2: Treble clef, 4/4 time signature, dynamic *f*, note heads with vertical stems.

S. 3: Treble clef, 4/4 time signature, dynamic *p*, note heads with vertical stems.

**26**

65 66 67 68

Snd: Dashed line, 2/4 time signature, scissors icon, 4/4 time signature, note heads with vertical stems.

(DISTO A)

S. 1: Treble clef, 2/4 time signature, dynamic *f*, note heads with vertical stems.

S. 2: Treble clef, 2/4 time signature, scissors icon, 4/4 time signature, note heads with vertical stems.

S. 3: Treble clef, 2/4 time signature, 4/4 time signature, dynamics *p*, *3*, *3 sfz p*, *3 sfzsfsz*.

**27**

70

28

69 70 71

Snd: Dashed line, 3/4 time signature, scissors icon, 4/4 time signature, note heads with vertical stems.

TRIG TRIG ANALOG A

(M. WHEEL = 100%)

S. 1: Treble clef, 3/4 time signature, dynamic *3*, note heads with vertical stems.

S. 2: Treble clef, 3/4 time signature, dynamic *ff*, note heads with vertical stems.

S. 3: Treble clef, 3/4 time signature, dynamics *p*, *sfz*, *p*, *sfz*, *ff*, *8vb*, *8vb*.

31

86 Snd $\frac{4}{4}$ 87 88 $\frac{3}{4}$

S. 1 ff $\frac{4}{4}$ $\frac{3}{4}$ $\frac{3}{4}$ $\frac{3}{4}$

S. 2 TRIG $\frac{4}{4}$ $\frac{3}{4}$

S. 3 $\frac{4}{4}$ $\frac{3}{4}$

32

89 Snd $\frac{3}{4}$ 90 $\frac{2}{4}$ 91 $\frac{4}{4}$ 92 $\frac{3}{8}$

S. 1 $\frac{3}{4}$ $\frac{2}{4}$ $\frac{4}{4}$ ANALOG A

S. 2 TRIG $\frac{3}{4}$ $\frac{2}{4}$ $\frac{4}{4}$

S. 3 $\frac{3}{4}$ $\frac{2}{4}$ $\frac{4}{4}$ (right hand) very fast
ff f → p (left hand)

33

93 Snd $\frac{3}{8}$ 94 $\frac{4}{4}$ 95 96 97

S. 1 TRIG $\frac{3}{8}$ $\frac{4}{4}$ ff p ff p ff p ff (M. WHEEL = 100%)

S. 2 $\frac{3}{8}$ p f * f * $\frac{3}{8}$

S. 3 $\frac{3}{8}$ (p) $\frac{4}{4}$ f $\frac{3}{8}$

98 99 100 101

Snd

S. 1

S. 2

S. 3

34

102 103 104 105

Snd

S. 1

RADIO VOICES GLITCH

TRIG

Fake speaking fast (imitation of soundtrack)

Fake speaking fast (imitation of soundtrack)

LEAD 2 (short)

Snd

Snd

E 35

106 107 108

Snd

S. 1

(M. WHEEL = 100%)

ANALOG A

S. 2

S. 3

12

109 110 36 111

Snd $\frac{2}{8}$ - $\frac{4}{4}$

S. 1 $\frac{2}{8}$ - $\frac{4}{4}$ +TRIG

S. 2 $\frac{2}{8}$ - $\frac{4}{4}$ ff M. WHEEL = 0% 5 10 10 10 10 10 f

S. 3 $\frac{2}{8}$ - $\frac{4}{4}$ ff

112

Snd

113

114 37

115

S. 1

S. 2

S. 3

116

38

117

Snd

4
4

3
4

2
4

TRIG

LEAD 2

S. 1

S. 2

f

S. 3

p

118 119 **39** 120 121

Snd $\frac{2}{4}$ $\frac{4}{4}$ RADIO VOICES GLITCH $\frac{3}{4}$ $\frac{2}{4}$

S. 1 $\frac{2}{4}$ $\frac{4}{4}$ $\frac{7}{4}$ $\frac{3}{4}$ $\frac{2}{4}$ $\frac{7}{4}$ $\frac{3}{4}$ $\frac{2}{4}$ $\frac{7}{4}$ $\frac{3}{4}$ $\frac{2}{4}$

S. 2 $\frac{2}{4}$ $\frac{4}{4}$ $\frac{7}{4}$ $\frac{3}{4}$ $\frac{2}{4}$ $\frac{7}{4}$ $\frac{3}{4}$ $\frac{2}{4}$ $\frac{7}{4}$ $\frac{3}{4}$ $\frac{2}{4}$

S. 3 $\frac{2}{4}$ $\frac{4}{4}$ $\frac{7}{4}$ $\frac{3}{4}$ $\frac{2}{4}$ $\frac{7}{4}$ $\frac{3}{4}$ $\frac{2}{4}$ $\frac{7}{4}$ $\frac{3}{4}$ $\frac{2}{4}$

40 122 123 124 **41** **F** $\text{♩} = 80$ 125 126 127

Snd $\frac{5}{8}$ $\frac{3}{8}$ $\frac{4}{4}$ $\frac{3}{4}$ $\frac{3}{4}$ $\frac{4}{4}$

S. 1 $\frac{5}{8}$ $\frac{3}{8}$ $\frac{4}{4}$ $\frac{3}{4}$ $\frac{4}{4}$ $\frac{3}{4}$ $\frac{4}{4}$ $\frac{3}{4}$ $\frac{4}{4}$ $\frac{3}{4}$ $\frac{4}{4}$

S. 2 $\frac{5}{8}$ $\frac{3}{8}$ $\frac{4}{4}$ $\frac{3}{4}$ $\frac{4}{4}$ $\frac{3}{4}$ $\frac{4}{4}$ $\frac{3}{4}$ $\frac{4}{4}$ $\frac{3}{4}$ $\frac{4}{4}$

S. 3 $\frac{5}{8}$ $\frac{3}{8}$ $\frac{4}{4}$ $\frac{3}{4}$ $\frac{4}{4}$ $\frac{3}{4}$ $\frac{4}{4}$ $\frac{3}{4}$ $\frac{4}{4}$ $\frac{3}{4}$ $\frac{4}{4}$

DISTO A very precise, all together ff very precise, all together

TRIG p ff **TRIG** ff very precise, all together ff

128 129 130 131

Snd $\frac{4}{4}$

S. 1 $\frac{4}{4}$ $\frac{4}{4}$ $\frac{4}{4}$ $\frac{4}{4}$

S. 2 $\frac{4}{4}$ $\frac{4}{4}$ $\frac{4}{4}$ $\frac{4}{4}$

S. 3 $\frac{4}{4}$ $\frac{4}{4}$ $\frac{4}{4}$ $\frac{4}{4}$

G 42 ♩ = 60

132 133 134 135

Snd 3/4 Vocoder
It's getting away in the sense that it's different, mm,
Church for us is...

bass + chord

S. 1 Raise up hands subito ;
look at S.2.

S. 2 Fake speaking, imitate voice in soundtrack
It's getting away in the sense that it's different, mm, Church for us is...

S. 3 TRIG Trigger with one hand and finger up with the
other hand in direction of S.2 and S.3
(conducting this part possible)

136 43 137 138 44 139

Snd Regimented, but it's set ; whereas here we
can relax... Denominations and learn from them and also share
what we believe will help them 3/4

Snd start very slowly to bend down 4/4 3/4

S. 2 Regimented, but it's set ; whereas here we
can relax... Denominations and learn from them and also share
what we believe will help them 3/4

S. 3 TRIG TRIG 3/4

140 45 141 142 46 143

Snd 3/4 They all happy they rule one trace it would be bread into any 4/4 yeah I had three gold retrievers 3/4

Snd bend down 3/4 2/4 3/4 (DISTO A) 3/8 3/4

S. 2 3/4 They are all happy they rule one chain it would be pretty
clear things 4/4 yeah I had three gold retrievers 3/4

S. 3 TRIG TRIG 3/4 3/8 3/4

Snd

47 144 145 146 147 15

notion we will hear funny laugh he love you

48 3/4 Time is some love full nay of you we go fantan 4/4

S. 1

S. 2

S. 3

notion we will hear funny laugh he love you

Time is some love full nay of you we go fantan

TRIG

148 49 149 150 50 151

Snd **4** Well Mike we know how many pets owner that are right now at northern island that maybe and you call view yesterday four five nine , **4** first I'm not he's going to escalier and you can have people one half or legal have this four I guess so **4**

S. 1 **#** LEAD 3 Bend 100%

S. 2 Well Mike we know how many pets owner that are right now at northern island that maybe and you call view yesterday four five nine **ff** first I'm not he's going to escalier and you can have people one half or legal have this four I guess so **4**

S. 3 TRIG TRIG

152

51

Snd $\frac{4}{4}$ ♪ ♪ ♪ ♪

S. 1 $\frac{4}{4}$ ♪ ♪ ♪ ♪ DISTO A ♪ ♪ ♪ ♪

S. 2 $\frac{4}{4}$ ♪ ♪ ♪ ♪ The stretching dozen is then of this question keep poison part ♪ ♪ ♪ ♪

S. 3 $\frac{4}{4}$ ♪ ♪ ♪ ♪ TRIG ♪ ♪ ♪ ♪

153

56

17

170 171 172

Snd 

TRIG (*strict tempo*)

S. 1 

(*strict tempo*)

S. 2 

f 

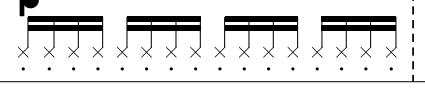
(*strict tempo*)

S. 3 

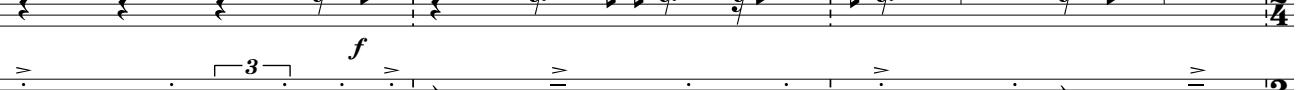
f 

|||

173 174 175

Snd 

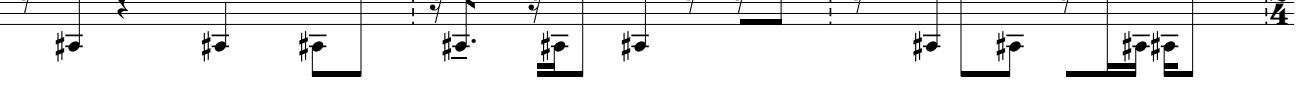
p 

8va 

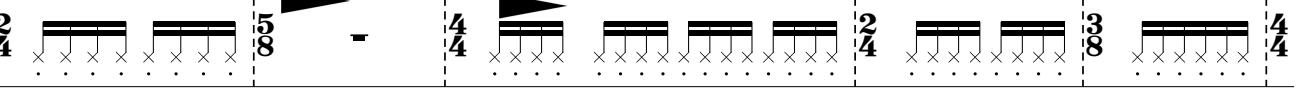
S. 1 

f 

S. 2 

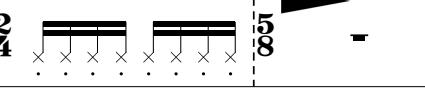
v. 

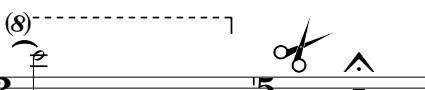
S. 3 

v. 

|||

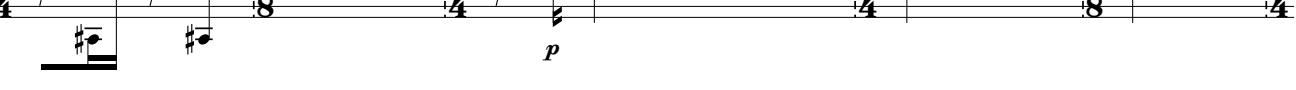
176 177 178 57 179 180

Snd 

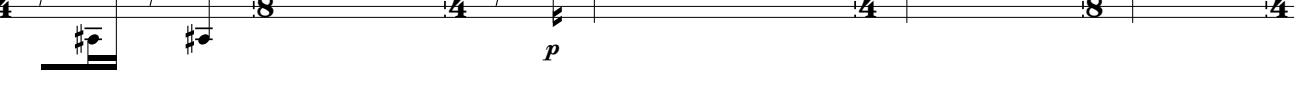
2  **5**  **4** 

8 

5  **4** 

2  **3**  **4** 

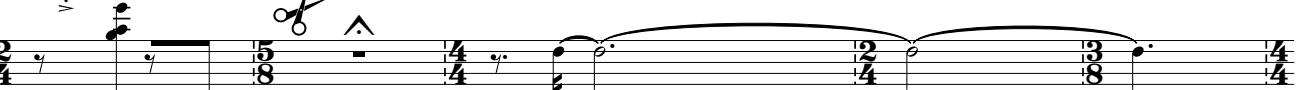
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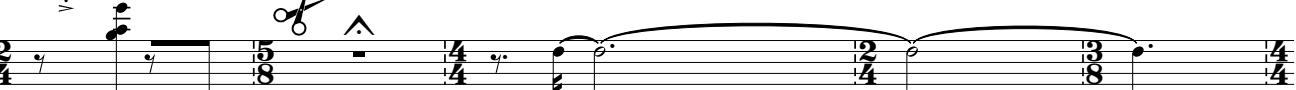
  

S. 1 

8va 

TRIG 

p 

S. 2 

S. 3 

p 

194

60

Snd

195

2

3

61

196

16

197

5

16

5

4

S. 1

#

b

ff

S. 2

2

3

16

5

4

S. 3

TRIG

2

3

16

5

4

208 209 210

Snd

S. 1

S. 2

S. 3

211 212 213 214

68

Snd

S. 1

(8)

M. WHEEL = 100% TRIG

S. 2

S. 3

215 216 217 218 219 220 221

J 69 J = 60

Snd

Low gran synth

S. 1

TRIG ANALOG B

S. 2

M. WHEEL = 0% LEAD 4

S. 3

Musical score for measures 222 through 230. The score consists of four staves:

- Snd:** An empty staff.
- S. 1:** Bass clef, 8th note time signature. Dynamics: *p*, *legg.*. A MOD. WHEEL control is shown with values 0 → +25 → 0. Measures 226-230 show eighth-note patterns.
- S. 2:** Bass clef. Measures 222-225 are rests. Measures 226-230 show eighth-note patterns. Dynamics: *p*, *legg.* A MOD. WHEEL control is shown with values 0 → +100 → +50.
- S. 3:** Bass clef. Measures 222-225 show eighth-note patterns. Measures 226-230 show eighth-note patterns.



S. 1

231 + 30 → 232 ↗ 233 234 235 + 50 ↗ 0 236 237 238

Rédo.

S. 2 + 100 → + 50

p

f 3

S. 3 ↗



S. 1
 239 240 241 242 243 244 245 0

 S. 2
 +50 +100 f mf f

 S. 3

246 247 248 249 250 251 252

S. 1

p *Rédo.*

S. 2

+ 30

S. 3

p *Rédo.*

=

253 254 255 256 257 258

S. 1

+ 100

S. 2

+ 100

f *Rédo.*

S. 3

=

259 260 261 262 263 264

S. 1

+ 30

+ 100

0

S. 2

+ 30

S. 3

S. 1

S. 2

S. 3

≡

S. 1

S. 2

S. 3

≡

S. 1

S. 2

S. 3

281 282 283 284 285

S. 1

p *Ped.*

ff

S. 2

S. 3

p

LEAD 1
M. WHEEL
= 100%

286 287 288 289

S. 1

ff

S. 2

(8)

S. 3

p

p

290 291 292 293

S. 1

ff *Ped.*

S. 2

(8)

S. 3

ff *Ped.* *Ped.* *Ped.*

ff *Ped.* *Ped.* *Ped.*

ff *Ped.* *Ped.* *Ped.*

70

K

71

♩ = 90

294

295

296

A

297

298

Snd

3
82
44
4

loud noise

S. 1

+ 100

TRIG

TRIG

DISTO A

S. 2

M. WHEEL
= 0%

ff

S. 3

ff

74

Snd

72

301

73

302

303

304

74

300

TRIG

301

73

302

303

304

74

S. 1

ff

S. 2

TRIG

S. 3

ff

TRIG

76

Snd

4
4

305

306

307

308

309

S. 1

TRIG

S. 2

TRIG

S. 3

ff

77

310

Snd $\frac{4}{4}$ [Speaker icon] 311 312 313 $\frac{3}{4}$ $\frac{4}{4}$

S. 1 $\frac{4}{4}$ *8va* ff

S. 2 $\frac{4}{4}$ TRIG $\frac{3}{4}$ - $\frac{4}{4}$

S. 3 $\frac{4}{4}$ ff



78

Snd

323 **324** **325** **326** **327**

4 **5** **4** **3** **3**

(with S.3.)

S. 1

ff **8^{vib}** **8^{vib}** **8^{vib}** **8^{vib}** **ff**

S. 2

ff

S. 3

TRIG

LEAD 4

Snd

328 **329** **330** **331** **332** **333** **334** **335** **336** **337**

3 **3** **1** **5** **1** **3** **1** **5** **1** **4** **4**

S. 1

**M. WHEEL
= 100%**

S. 2

S. 3

L **79**

338 **339** **340** **341** **342**

4 **2** **3** **1** **4**

Snd

ANALOG A

S. 1

TRIG

p

S. 2

TRIG

S. 3

S. 1

S. 2

S. 3

MOD. WHEEL

100 → 0

S. 1

S. 2

S. 3

81

349

Snd

350

"SHHH"...

S. 1

S. 2

100

"SHHH"

look, at S.3.
(subito)

S. 3

(8)

TRIG