

# Machine Language

Written for Ian Antonio, TimeTable Percussion,  
and Wet Ink Ensemble

Sam Pluta

# Machine Language Percussion Setup

Percussion list:

Perc 1 (soloist) - 3 toms, 2 bongos, 2 temple blocks, China cymbal,  
5 pieces of wood, 1 maraca

Perc 2 - 3 toms, 2 bongos, 2 temple blocks, China cymbal,  
5 Japanese piccolo woodblocks, 1 snare, tam tam, brake drum

Perc 3 - 3 toms, 2 bongos, 2 temple blocks, China cymbal,  
5 Japanese piccolo woodblocks, 1 snare, tam tam, brake drum

The musical score is organized into three systems, each representing a different percussionist. Each system consists of two staves. The first staff in each system contains notes for tom, toms, bongos, temple blocks, and China cymbal. The second staff contains notes for snare, tom, toms, bongos, temple blocks, and China cymbal. The second measure of the score contains notes for 5 pieces of wood, 5 Japanese piccolo woodblocks, and tam tam/brake drum. The percussionist names are listed on the left side of the score.

**Percussion Soloist**

tom toms bongos temple blocks China cymbal  
5 pieces of wood

**Percussion 1**

snare tom toms bongos temple blocks China cymbal  
5 Japanese piccolo woodblocks

**Percussion 2**

snare tom toms bongos temple blocks China cymbal  
tam tam brake drum

# Machine Language

Sam Pluta

$\text{♩} = 96$

Bass Clarinet 1 in B $\flat$

Bass Clarinet 2 in B $\flat$

Percussion Soloist

*ff* bongos

temple blocks

China cymbal

Percussion 1

*ff* temple blocks

Percussion 2

*ff* China cymbal

Sine Waves

Accordion

$\text{♩} = 96$

Violin 1

Violin 2

7

Perc. S

Perc. 1

Perc. 2

Detailed description: This system contains measures 7 through 13. Percussion 5 (Perc. S) plays a melodic line starting with a quarter note G4, followed by eighth notes A4, B4, and C5, then a quarter note D5, and continues with eighth and sixteenth note patterns. Percussion 1 (Perc. 1) and Percussion 2 (Perc. 2) play rhythmic accompaniment using eighth notes, quarter notes, and rests, with many notes marked with an accent (+).



14

Perc. S

Perc. 1

Perc. 2

Detailed description: This system contains measures 14 through 20. Percussion 5 (Perc. S) continues its melodic line with eighth and sixteenth notes. Percussion 1 (Perc. 1) and Percussion 2 (Perc. 2) continue their rhythmic accompaniment with various note values and accents.



21

Perc. S

Perc. 1

Perc. 2

Detailed description: This system contains measures 21 through 27. Percussion 5 (Perc. S) continues its melodic line with eighth and sixteenth notes. Percussion 1 (Perc. 1) and Percussion 2 (Perc. 2) continue their rhythmic accompaniment with various note values and accents.

28

Perc. S

Perc. 1

Perc. 2



34

Perc. S

Perc. 1

Perc. 2



40

Perc. S

Perc. 1

Perc. 2

2/4

49

B. Cl. 1 *ff*

B. Cl. 2 *ff*

Perc. S

Perc. 1

full perc setup

brake drum

Perc. 2

Bass Drum full perc setup

tam tam

Sines

*mf*

Accord.

*ff*

Just Tuned Partial of a Bb Fundamental

Vln. 1

Vln. 2

*ff*

1

56

B. Cl. 1

Musical staff for B. Cl. 1. The staff is in treble clef with a 4/4 time signature. It contains rests for the first three measures, followed by a measure with a quarter note in the fourth measure. The dynamic markings *pp* and *ff* are indicated below the staff.

B. Cl. 2

Musical staff for B. Cl. 2. The staff is in treble clef with a 4/4 time signature. It contains rests for the first three measures, followed by a measure with a quarter note in the fourth measure. The dynamic markings *pp* and *ff* are indicated below the staff.

Perc. S

Musical staff for Perc. S. The staff is in a drum set notation with a 4/4 time signature. It features a complex rhythmic pattern of eighth notes and sixteenth notes, with some measures containing a '5' indicating a quintuplet.

Perc. 1

Musical staff for Perc. 1. The staff is in a drum set notation with a 4/4 time signature. It contains rests for the first three measures, followed by a measure with a quarter note in the fourth measure. The dynamic marking *pp* is indicated below the staff.

brake drum

Perc. 2

Musical staff for Perc. 2. The staff is in a drum set notation with a 4/4 time signature. It contains rests for the first three measures, followed by a measure with a quarter note in the fourth measure. The dynamic marking *pp* is indicated below the staff.

Sines

Musical staff for Sines. The staff is in treble clef with a 4/4 time signature. It contains rests for the first three measures, followed by a measure with a quarter note in the fourth measure.

Accord.

Musical staff for Accord. The staff is in treble and bass clefs with a 4/4 time signature. It contains rests for the first three measures, followed by a measure with a quarter note in the fourth measure.

1

Vln. 1

Musical staff for Vln. 1. The staff is in treble clef with a 4/4 time signature. It contains rests for the first three measures, followed by a measure with a quarter note in the fourth measure.

Vln. 2

Musical staff for Vln. 2. The staff is in treble clef with a 4/4 time signature. It contains rests for the first three measures, followed by a measure with a quarter note in the fourth measure.





3

7

4:5

4:5

4:5

4:5

69

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

3 slowly detune to bar 82  
sine waves stay at Bb series

8

74 same meter to 85

4

B. Cl. 1

B. Cl. 2

*pp*

*ff*

*pp*

*ff*

Perc. S

Perc. 1

Perc. 2

same meter to 85

+

+

Sines

Accord.

4

Vln. 1

Vln. 2

5

77

B. Cl. 1

B. Cl. 2

*pp*

*pp*

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

5

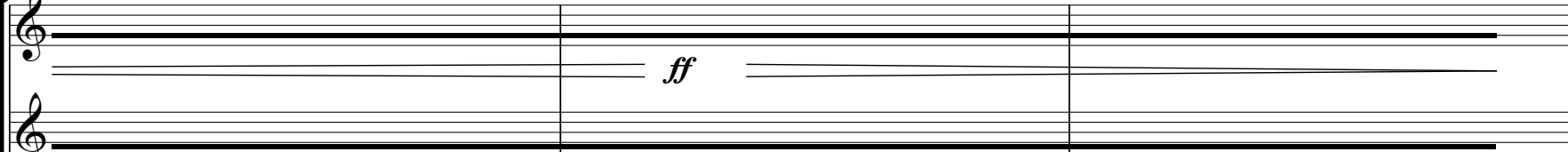
Vln. 1

Vln. 2

80

B. Cl. 1

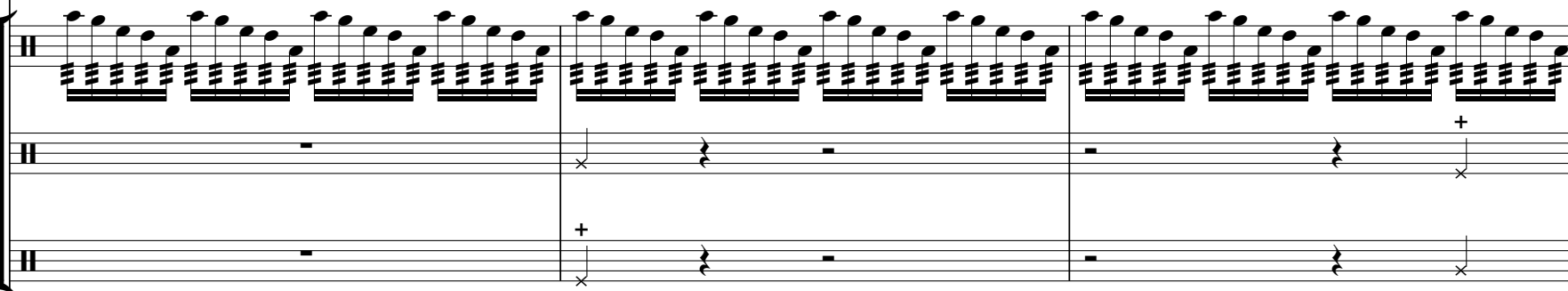
B. Cl. 2



Perc. S

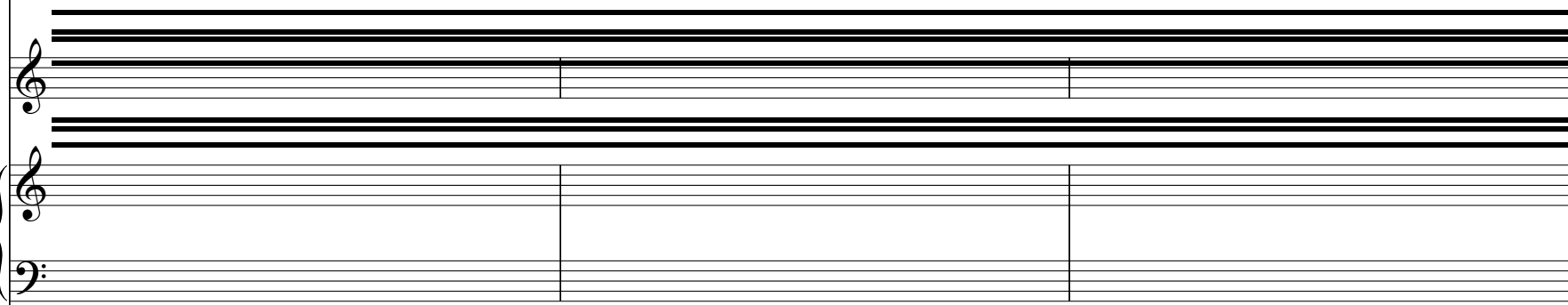
Perc. 1

Perc. 2



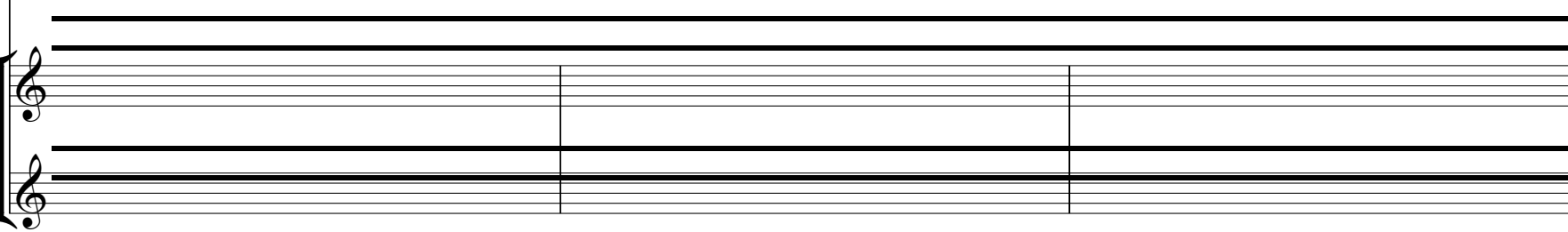
Sines

Accord.



Vln. 1

Vln. 2





88

This musical score page contains eight staves for measures 88 through 95. The time signature is 2/4. The instruments and their parts are as follows:

- B. Cl. 1 & B. Cl. 2:** Both play a sequence of chords: 5/16, 15/16, 15/32, 2/4, 5/16, 15/16, and 15/32.
- Perc. S:** Features a rhythmic pattern of eighth notes with a five-measure rest in the first measure of each 2-measure unit.
- Perc. 1 & Perc. 2:** Play a sequence of chords: 5/16, 15/16, 15/32, 2/4, 5/16, 15/16, and 15/32. Perc. 1 includes a '+' symbol in the first measure of each unit.
- Sines:** Play a sequence of chords: 5/16, 15/16, 15/32, 2/4, 5/16, 15/16, and 15/32.
- Accord.:** The piano part, consisting of treble and bass clefs, plays a sequence of chords: 5/16, 15/16, 15/32, 2/4, 5/16, 15/16, and 15/32.
- Vln. 1 & Vln. 2:** Both play a sequence of chords: 5/16, 15/16, 15/32, 2/4, 5/16, 15/16, and 15/32.

7

B. Cl. 1

B. Cl. 2

*pp* *ff*

*pp* *ff*

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

7

Vln. 1

Vln. 2

8

104

B. Cl. 1 *pp* *ff*

B. Cl. 2 *pp* *ff*

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

8

Vln. 1

Vln. 2



111

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

9

pp

pp

16

10

11

120

B. Cl. 1

B. Cl. 2

*ff*

*pp*

*ff*

*pp*

*ff*

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

10

slowly retune to bar 132

Vln. 1

Vln. 2

131

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

12

13

139

B. Cl. 1

B. Cl. 2

*pp* *ff*

*pp* *ff*

Perc. S

Perc. 1

Perc. 2

5

5

Sines

Accord.

13

Vln. 1

Vln. 2

14

149

B. Cl. 1

B. Cl. 2

*pp* *ff*

*pp* *ff*

Perc. S

Perc. 1

Perc. 2

+

x

Sines

Accord.

14

Vln. 1

Vln. 2

15

16

155

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

15

slowly detune to bar 186

16

Vln. 1

Vln. 2

163

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

*ff*

*ff*

5

+

x

x

+

x

173

17

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

*pp*

*ff*

*pp*

*ff*



18

180

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

pp

ff

pp

ff

5

5

5

5

5

5

+

+

+

+

18

18

10 sec

187

B. Cl. 1

B. Cl. 2

10 sec

Perc. S

snare - snares on

Perc. 1

*ffpp*

snare - snares on

Perc. 1

*ffpp*

10 sec

Sines

Accord.

10 sec

Vln. 1

Vln. 2

30 sec

30 sec

30 sec

30 sec

30 sec

188

B. Cl. 1

B. Cl. 2

Perc. S hanging maraca

Perc. 1 5 Japanese piccolo woodblocks

Perc. 2 5 Japanese piccolo woodblocks

Sines irregular/unstable tremelo

Accord. mp

Vln. 1 irregular overpressure (produce an undertone)

Vln. 2 irregular overpressure (produce an undertone)

*mf* *ff* *mf* *ff* *mp* *mf*

189  $\text{♩} = 154$   
robotic, cold

B. Cl. 1 *mf*

B. Cl. 2 *mf*

Perc. S *f*

Perc. 1 *f*

Perc. 2 *f*

5 pieces of wood

Sines

robotic, cold  
single reed at all times

Accord. *mf*

$\text{♩} = 154$

Vln. 1

Vln. 2







218

This musical score page contains eight staves for measures 218 through 225. The instruments are:

- B. Cl. 1:** Treble clef, playing a melodic line with a *rit.* marking above the staff.
- B. Cl. 2:** Treble clef, playing a supporting line with a *rit.* marking above the staff.
- Perc. S:** Snare drum, playing a rhythmic pattern of eighth notes.
- Perc. 1:** Cymbal, playing a rhythmic pattern of eighth notes.
- Perc. 2:** Tom-tom, playing a rhythmic pattern of eighth notes.
- Sines:** Sine waves, currently silent.
- Accord.:** Grand staff (treble and bass clefs), playing a harmonic accompaniment.
- Vln. 1:** Violin 1, currently silent.
- Vln. 2:** Violin 2, currently silent.

The score includes various musical notations such as rests, notes, beams, and dynamic markings like *rit.* and *rit.* with dashed lines.



226

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

This musical score page contains eight staves for measures 226 through 31. The instruments are: B. Cl. 1, B. Cl. 2, Perc. S, Perc. 1, Perc. 2, Sines, Accord., Vln. 1, and Vln. 2. The woodwinds play a melodic line with slurs and dynamic markings like *8va*. The percussion parts feature complex rhythmic patterns. The strings are mostly silent, with the accordion providing harmonic support.

233

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

The musical score for measures 233-238 is arranged in a system with eight staves. The top two staves are for B. Cl. 1 and B. Cl. 2. The next three staves are for Perc. S, Perc. 1, and Perc. 2. The Sines part is a single staff with a whole rest. The Accord. part consists of two staves (treble and bass clef). The bottom two staves are for Vln. 1 and Vln. 2, both with whole rests. The woodwind parts feature melodic lines with octaves marked '8va'. The percussion parts feature a rhythmic pattern of eighth and sixteenth notes. The strings are silent throughout the passage.



244

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

*mf*

*f*

8<sup>va</sup>

Detailed description of the musical score: The score is for measures 244 to 248. Measures 244-246 are in 9/16 time, and measures 247-248 are in 4/4 time. The woodwind parts (B. Cl. 1 and 2) play sustained notes with slurs, starting at measure 244. The percussion parts (Perc. S, 1, 2) feature complex rhythms with 5 and 7 note groupings, starting at measure 244. The strings (Vln. 1 and 2) play a sustained low note in the first two measures. The accordion part (Accord.) plays sustained notes with slurs, starting at measure 244. The Sines part is silent throughout. Dynamics include *mf* and *f*. An 8<sup>va</sup> marking is present in measure 247.

251

B. Cl. 1

B. Cl. 2

Perc. 5

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

8va

8va

(8)-----|

258

B. Cl. 1

B. Cl. 2

8va

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

265

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

*mp*

*mp*

*5 mp*

*mf* overpressure (undertone)

*mf* overpressure (undertone)

*mf*





277 (8)-----1

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

39

Detailed description of the musical score: The score is for measures 277 to 316. It features a 4/4 time signature and a key signature of one sharp (F#). The percussion section (Perc. S, Perc. 1, Perc. 2) plays a consistent rhythmic pattern of eighth and sixteenth notes. The woodwind section (B. Cl. 1, B. Cl. 2) has melodic lines with some rests. The string section (Vln. 1, Vln. 2) is mostly silent. The accordion (Accord.) plays a simple harmonic accompaniment. The page number '39' is located at the top right of the page.

283

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

Detailed description: This page of a musical score, numbered 40, contains measures 283 through 288. The score is arranged in a system with eight staves. The top two staves are for B. Cl. 1 and B. Cl. 2, both in treble clef with a key signature of one sharp (F#). They play a melodic line starting with a half note F#4, followed by a dotted quarter note G4, and then a half note A4, with a slur over the final two notes. The percussion section consists of three staves: Perc. S, Perc. 1, and Perc. 2, all in a drum set notation. They play a complex rhythmic pattern of eighth and sixteenth notes. The Sines staff is empty. The Accord. staff is in grand staff (treble and bass clefs) and plays a chordal accompaniment, starting with a half note chord of F#4 and G4, followed by a dotted quarter note chord of F#4, G4, and A4, and then a half note chord of F#4, G4, and A4. The violin staves (Vln. 1 and Vln. 2) are empty.

♩ = 156

improvise long note arpeggios on the Db (written Eb) harmonic series - with each breath start and end anywhere in the series, moving upwards or downwards or both

289

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

full perc setup *f* *ff* *ffmf* snares on

*mf*

*ff*

*f*

7 5 9 11

*mf*

*ff*

*f*

♩ = 156 this is an out of tune Db series against the in tune series in the sine waves hold to 328 the in tune series arrives in the strings at bar 394

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

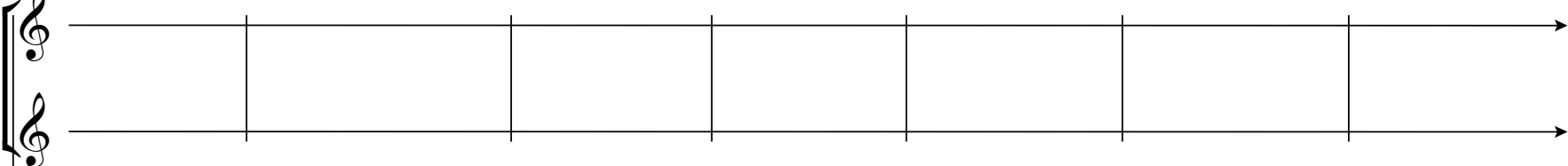
Vln. 2

This musical score page features seven staves. The top two staves are for B. Cl. 1 and B. Cl. 2, both of which are empty. The next three staves are for Perc. S, Perc. 1, and Perc. 2, containing rhythmic notation with dynamic markings of *ffmf* and *ff*. The Sines staff is represented by a thick black line. The Accord. section consists of two empty staves. The Vln. 1 and Vln. 2 staves are also represented by thick black lines. The page is numbered 42 at the top left and 296 at the top left of the staff area.

303

B. Cl. 1

B. Cl. 2



Perc. S

Perc. 1

Perc. 2



*ffmf*

*ffmf*

*ffmf*

*ff*

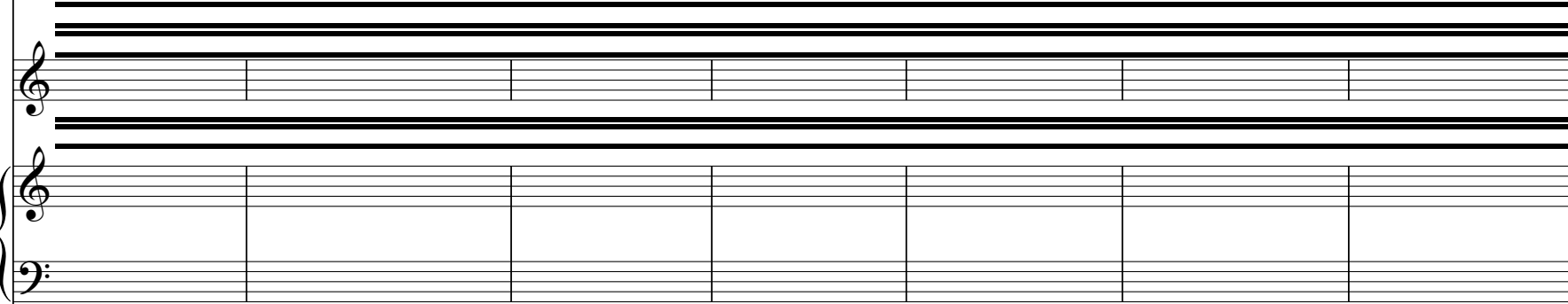
*ffmf*

*ffmf*

*ffmf*

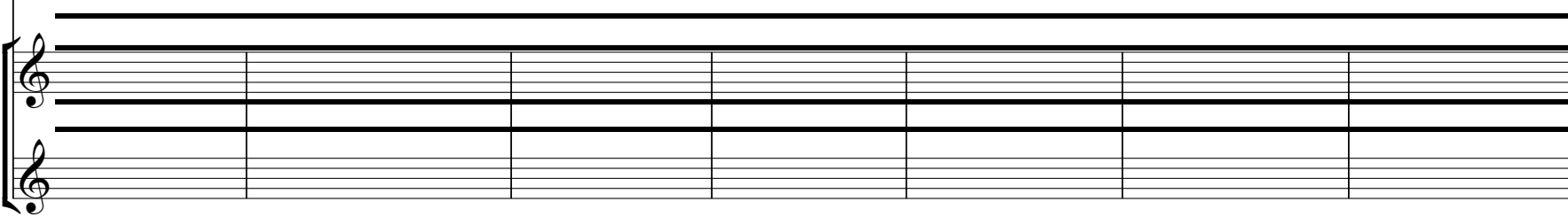
Sines

Accord.



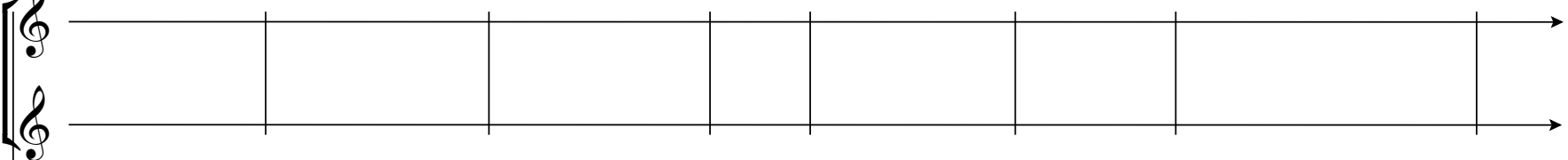
Vln. 1

Vln. 2



B. Cl. 1

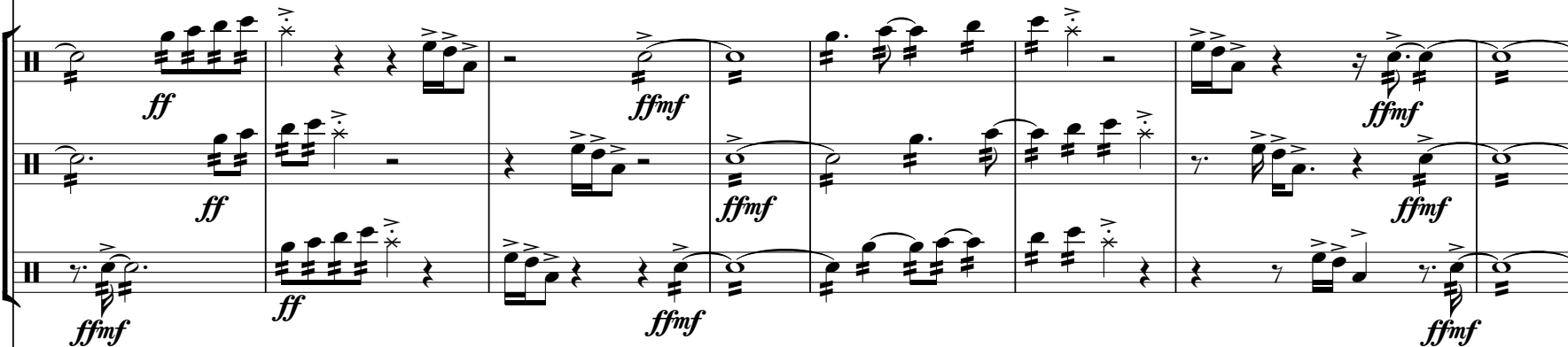
B. Cl. 2



Perc. 5

Perc. 1

Perc. 2



*ff*

*ffmf*

*ffmf*

*ff*

*ffmf*

*ffmf*

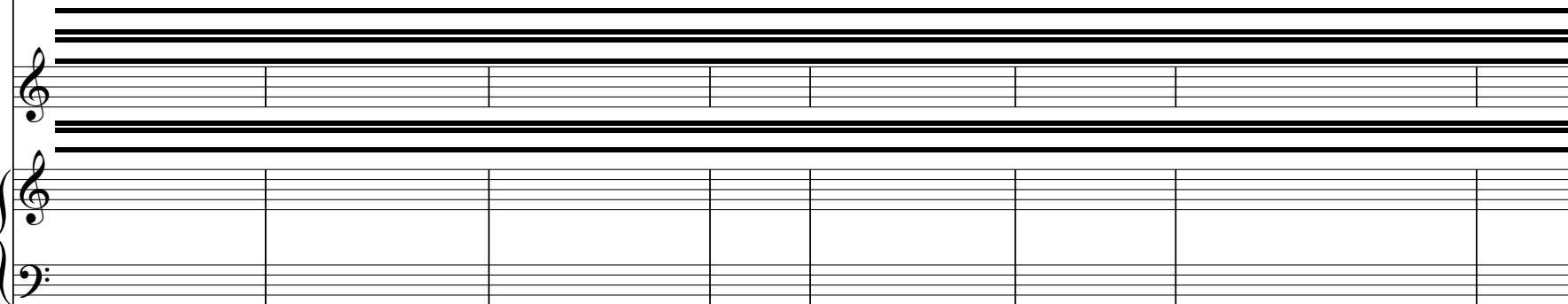
*ffmf*

*ffmf*

*ffmf*

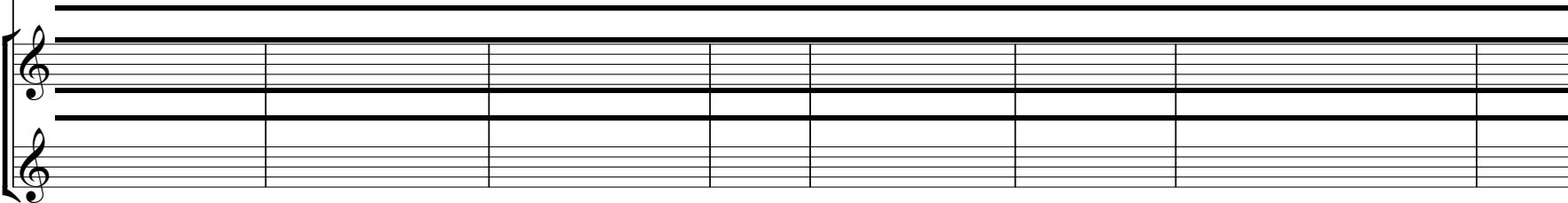
Sines

Accord.



Vln. 1

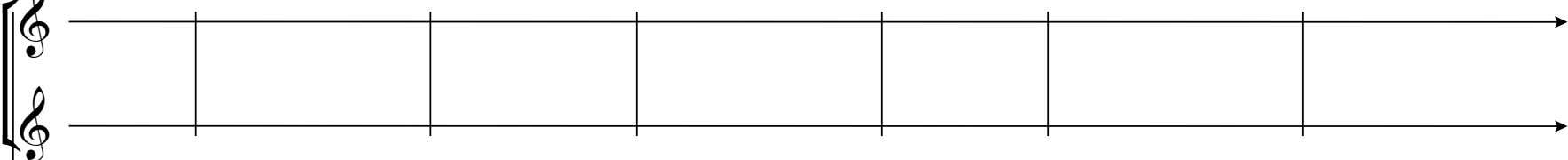
Vln. 2



318

B. Cl. 1

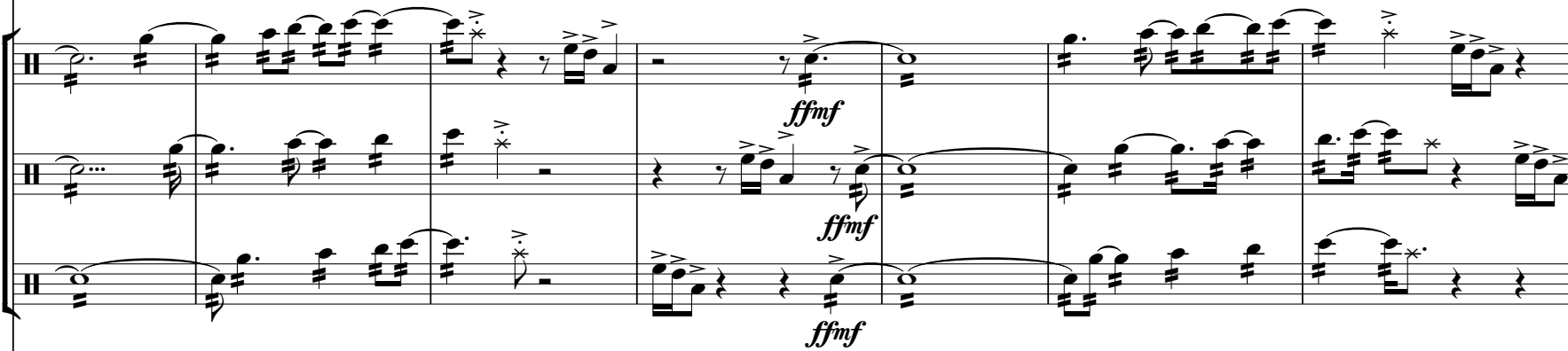
B. Cl. 2



Perc. 5

Perc. 1

Perc. 2



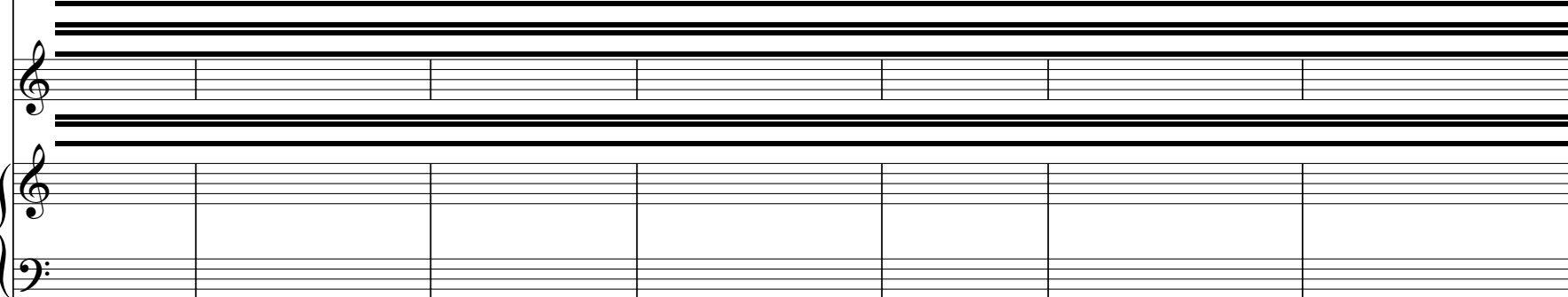
*ffmf*

*ffmf*

*ffmf*

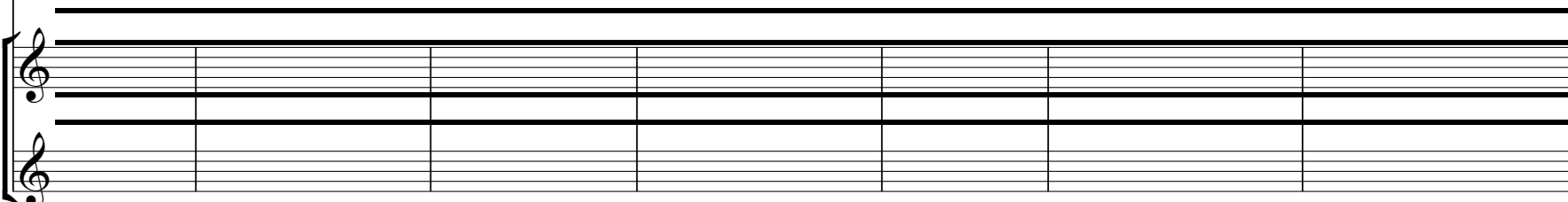
Sines

Accord.



Vln. 1

Vln. 2



325

1

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

*ffmf* *ff*

dead stroke

+

Sines

Accord.

1 slowly slide to 359

Vln. 1

Vln. 2



333

The musical score consists of several staves:

- B. Cl. 1 & 2:** Two empty staves in 4/4 time.
- Perc. S:** Snare drum part with various rhythmic patterns and accents (+). Includes dynamics *ffmf* and *ff*.
- Perc. 1:** First tom part with rhythmic patterns and accents (+). Includes dynamics *ffmf* and *ff*.
- Perc. 2:** Second tom part with rhythmic patterns and accents (+). Includes dynamics *ffmf* and *ff*.
- Sines:** A section of the score consisting of multiple horizontal lines, likely representing a sine wave or similar sound effect.
- Accord.:** An empty grand staff (treble and bass clef) in 4/4 time.
- Vln. 1 & 2:** Two empty violin staves in 4/4 time.

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2



355

2

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

2

slowly retune to 394

364

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

The musical score is arranged in a vertical stack. The top two staves are for B. Cl. 1 and B. Cl. 2, both in treble clef with a 5-line staff and a 5/8 time signature. The next three staves are for Perc. S, Perc. 1, and Perc. 2, all in a 5-line staff with a 5/8 time signature. Below these are the Sines, consisting of two staves in treble clef with a 5-line staff and a 5/8 time signature. The Accord. section consists of two staves in treble and bass clef with a 5-line staff and a 5/8 time signature. The bottom two staves are for Vln. 1 and Vln. 2, both in treble clef with a 5-line staff and a 5/8 time signature. The score is divided into measures by vertical bar lines. The time signatures change from 4/4 to 3/4 and back to 4/4. The Perc. S staff contains various rhythmic patterns, including eighth and sixteenth notes, and rests. The Perc. 1 and Perc. 2 staves contain rests and notes with dynamic markings like 'v' and '5'. The Sines, Accord., and Vln. 1/2 staves are mostly empty, indicating rests for these instruments.

372

B. Cl. 1

B. Cl. 2



Perc. S

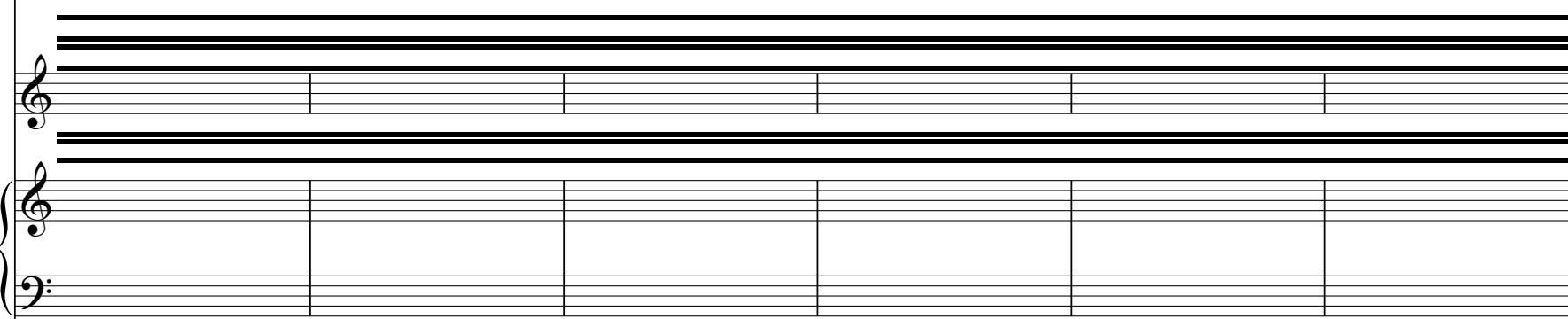
Perc. 1

Perc. 2



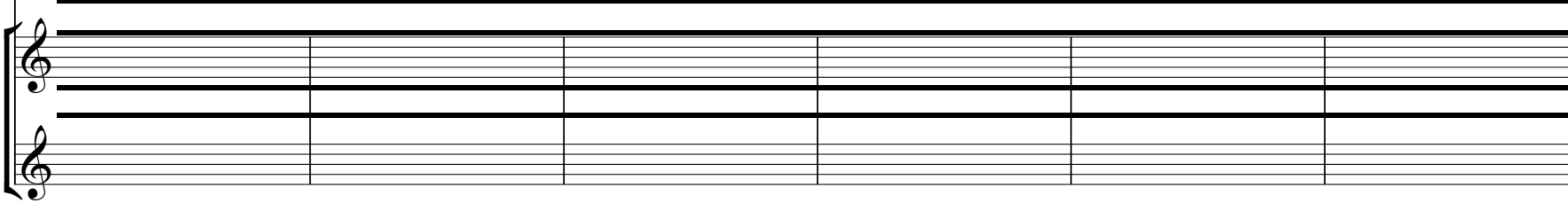
Sines

Accord.



Vln. 1

Vln. 2



378

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

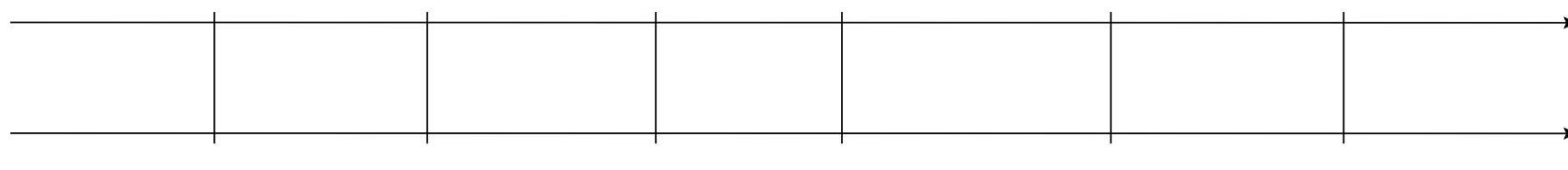
Vln. 1

Vln. 2

Detailed description: This page of a musical score, numbered 53, covers measures 378 through 383. The percussion section (Perc. S, Perc. 1, Perc. 2) is the primary focus, featuring complex rhythmic patterns with various note values and rests. Percussion S and Perc. 2 include dynamic markings like *mf* and *sfz*, and some notes are marked with a '+' sign. Perc. 1 has a *mf* marking. The string section (Sines, Vln. 1, Vln. 2) and the accordion (Accord.) are currently silent, indicated by thick black lines across their respective staves. The woodwinds (B. Cl. 1, B. Cl. 2) are also silent. The score is written in a standard musical notation style with a common time signature.

B. Cl. 1

B. Cl. 2



Perc. S

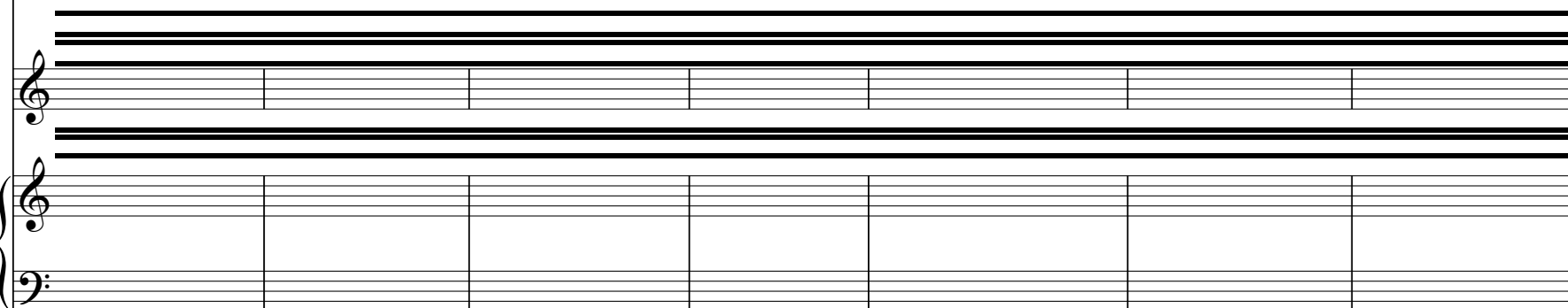
Perc. 1

Perc. 2



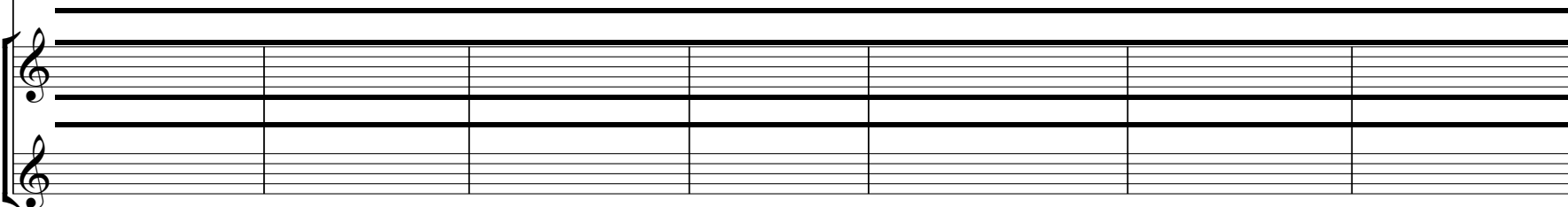
Sines

Accord.



Vln. 1

Vln. 2





391

3

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

tam tam +

mp

Sines

Accord.

3

in tune to the end

Vln. 1

Vln. 2

5

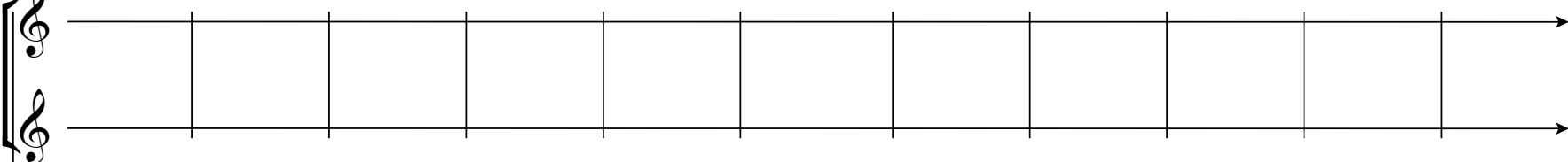
11

7

9

B. Cl. 1

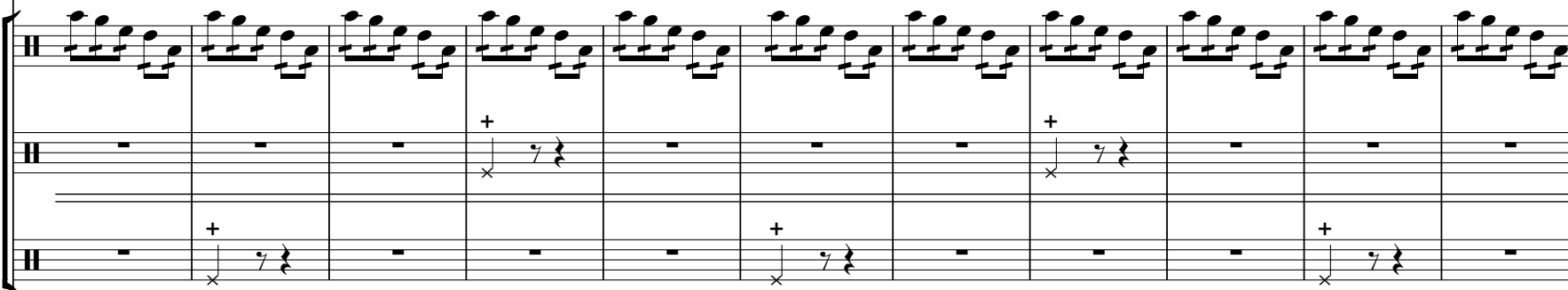
B. Cl. 2



Perc. S

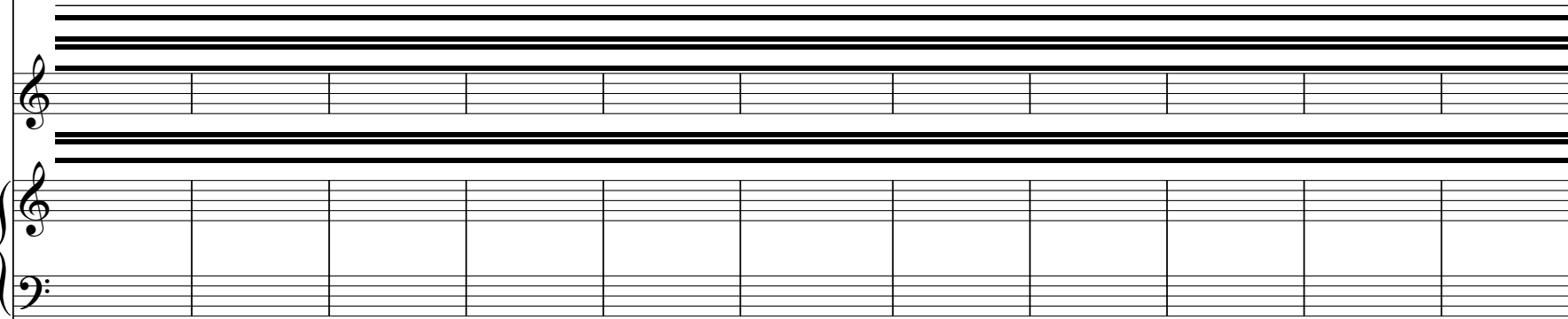
Perc. 1

Perc. 2



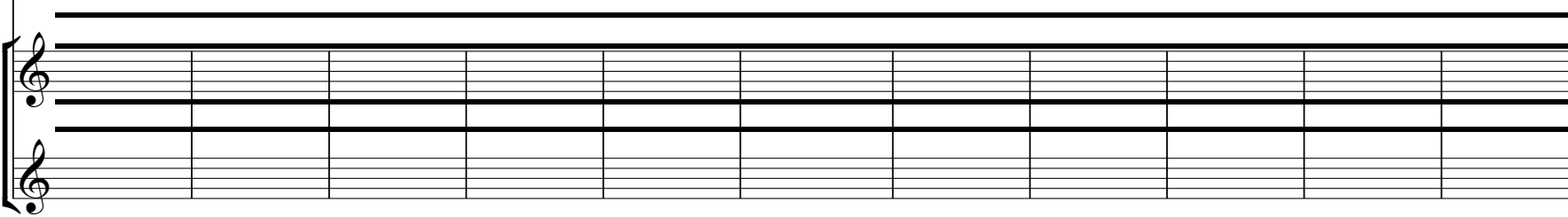
Sines

Accord.



Vln. 1

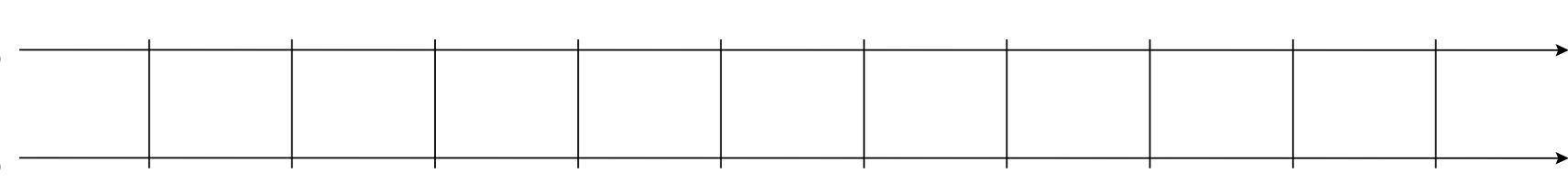
Vln. 2



411

B. Cl. 1

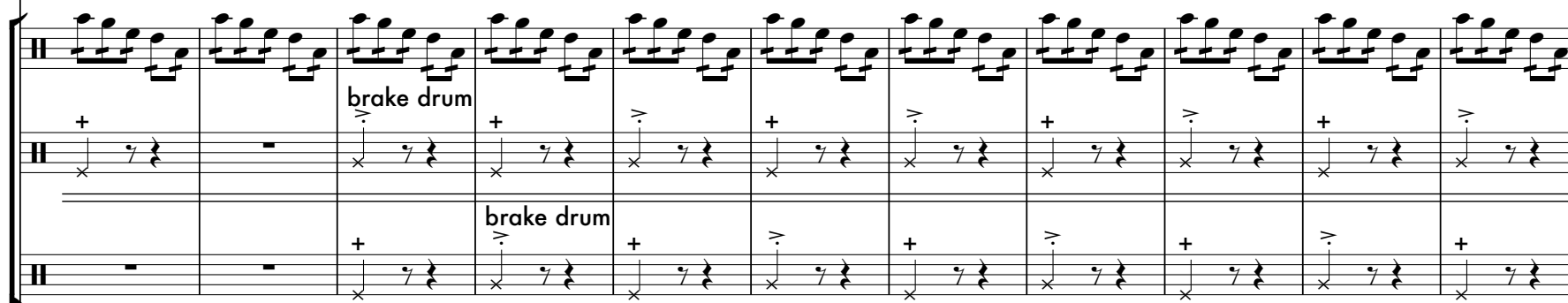
B. Cl. 2



Perc. S

Perc. 1

Perc. 2

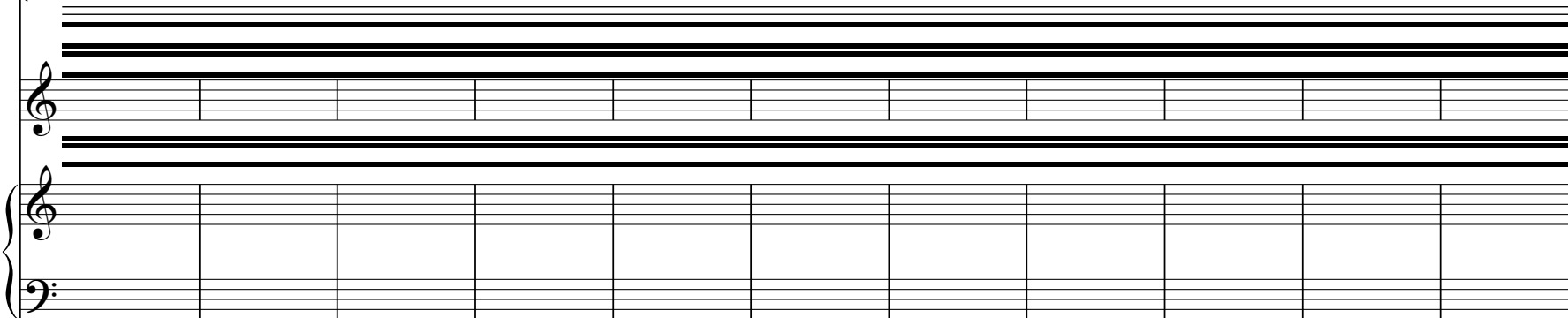


brake drum

brake drum

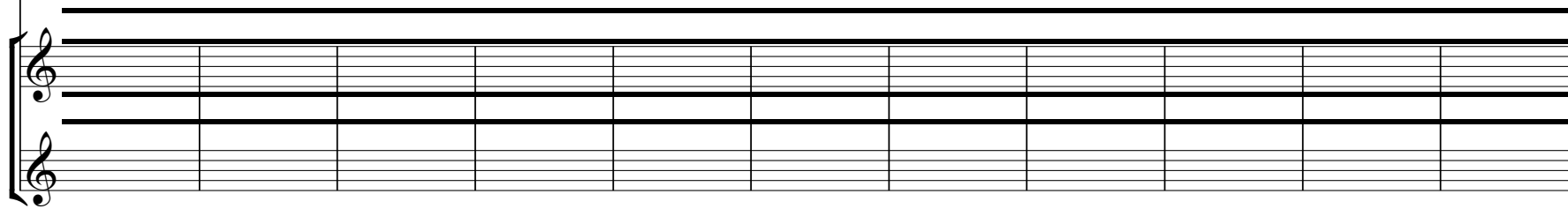
Sines

Accord.



Vln. 1

Vln. 2



B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

5/4

4/4

*ff*

*ff*

Detailed description of the musical score: This page of a musical score covers measures 58 to 62. It features a variety of instruments: two B-flat Clarinets (B. Cl. 1 and 2), three Percussion parts (Perc. S, Perc. 1, and Perc. 2), Sines, an Accordion (Accord.), and two Violins (Vln. 1 and 2). The score is divided into two systems. The first system (measures 58-62) shows a change in meter from 5/4 to 4/4. The Percussion parts are highly active, with Perc. S playing a rhythmic pattern of eighth notes, and Perc. 1 and Perc. 2 playing patterns with accents and dynamic markings like 'ff'. The Sines part is represented by thick horizontal lines, indicating sustained sounds. The Accordion and Violin parts are also represented by thick horizontal lines, suggesting sustained or held notes. The B. Cl. parts are mostly blank, indicating rests. The second system (measures 63-67) continues the 4/4 meter and features similar activity in the Percussion parts, with Perc. S playing a more complex rhythmic pattern and Perc. 1 and Perc. 2 playing patterns with accents and dynamic markings like 'ff'. The Sines, Accordion, and Violin parts continue to be represented by thick horizontal lines.

428

B. Cl. 1

B. Cl. 2

Perc. S

Perc. 1

Perc. 2

Sines

Accord.

Vln. 1

Vln. 2

Detailed description: This page of a musical score, numbered 428, features six staves. The top two staves are for B. Cl. 1 and B. Cl. 2, both of which are empty. The next three staves are for Percussion: Perc. S, Perc. 1, and Perc. 2. Perc. S and Perc. 1 play a rhythmic pattern of eighth notes with accents, while Perc. 2 plays a similar pattern with some rests. The Sines staff consists of two staves with thick horizontal lines. The Accord. staff is a grand staff with two staves, also with thick horizontal lines. The bottom two staves are for Vln. 1 and Vln. 2, both with thick horizontal lines. The score concludes with a double bar line and repeat dots.