

The Rule of the Octave, Cadences, & Sequences

A collection of thoroughbass exercises

Introduction

Today when continuo is taught, typically the student is familiarized with the general rules about voice leading and some basic rules about texture. Given to the student are a set of practice pieces that resemble short but real pieces of music. *Continuo Playing According to Handel* would be the best and most popular example of this approach. While this approach is not without merit, much is left to be desired. Lacking from this approach is the development in the student of an 1) explicit awareness of all the fundamental harmonic patterns, 2) a complete familiarity of these patterns in all the major and minor keys, and 3) a knowledge of all the possible voice leading possibilities for a given harmonic pattern. With the following set of approximately one hundred exercises, I have set about to help correct this deficiency in today's popular continuo methods. Rather than present an assortment of little pieces of music, shown in the following are the most common bass patterns with their most common harmonizations. Each exercise is presented in an abstract form that can be read from in any key and several voice leading possibilities are spelled out for each bass pattern.

When you improvise from a figured bass as a beginner you tend to be rather narrowly focused in the movement of one chord to the next. You are purely focused on playing the right chord at the right time while avoiding those dreadful parallels. You are probably not thinking much if at all about how the entire phrase or subphrase you are currently in might be just an instance of a common harmonic pattern found in thousands of other pieces of music. This is like having to agonize on recognizing letters correctly before recognizing what words and sentences they form. Having exercised yourself in reading for years, you no longer have to explicitly be aware of every letter in every word of every sentence you read. You are able to recognize and understand the meaning of words and common sayings of speech immediately. You want to be able to get to an equivalent standpoint in your continuo playing. If you accustom yourself to looking at your continuo line with a broader vision, you can spot these patterns and allow yourself to fall back onto finger memory which gives you more mental space to focus on musicality and ensemble.

In order to reach this stage of development, common harmonic patterns must not only be practiced but practiced in every key and with every viable voice leading pattern. Even the most banal harmonic patterns can look and feel utterly alien if played in a relatively rare key such as C-Sharp Minor. Each key due to the differing amount of black keys will require a different fingering. Furthermore, for various reasons you might not always be able to play a harmonic pattern starting from the chord position you find the most familiar so it is best then that you accustom yourself to all the other voice leading possibilities.

In keeping in mind these last two important points, I opted to not use traditional musical notation and to instead present all of my exercises in an abstract form that is somewhat a cross between figured bass and tablature that can represent any key and can display voice leading exactly. Aside from saving paper, this format will force the student to think explicitly about the exact motion of the bass line and the harmonic context of each chord.

While my approach to thoroughbass may be unorthodox compared to most of the other modern thoroughbass tutors, my approach is much closer to the way it appears that thoroughbass improvisation (and improvisation and composition in general) was taught during the 18th century.¹ Numerous manuals known as *partimenti* manuals started off with descriptions of the most common harmonic patterns. These patterns can be divided up into sequence and cadence patterns. They also featured some form of *The Rule of the Octave*. All of the exercises in the following are classified accordingly.

It is not my intention however that my tutor be used alone in learning thoroughbass. It is meant to supplement and not to supplant the traditional method of teaching thoroughbass.

Sources

To see the works I consulted in the process of creating this method, see my bibliography at the end. Most of the patterns and their realizations presented here are ubiquitous in late Baroque music. The most influential sources for my method would be Robert Gjerdingen's *Monuments of Partimenti* where numerous Italian partimenti treatises can be found. His *Music in the Galant Style* was also influential for his cadential terminology and for the design of his partimenti "schema" which inspired the presentation design of my tables. I should also mention F.T. Arnold's monumental book on thoroughbass which I have studied from intently for years and has no doubt influenced the way I realized the doubling and voice leading of many of the exercises. Lastly I should mention that *Continuo Playing According to Handel* featured a few sequence patterns I quite liked: the ascending stepwise sequence harmonized with 9/4 and 9/7 double suspensions and a sequence pattern I call the *Up a Third and Up Three Steps* sequence.

Recommended Approach

If learning over one hundred thoroughbass exercises in multiple keys seems like a daunting task to you, then your senses are correct. To make learning all of these exercises easier I arranged them in three levels from easiest to hardest. Level 1 features only the simplest chords without any dissonances, Level 2 features some simple suspensions, and Level 3 introduces ornamental dissonance and double suspensions. Do not try to learn each level in every key all at once. Instead, I recommend learning them in the following order of "sweeps" (as I call them):

- Sweep 1:
 - C Major/A Minor
- Sweep 2:
 - G Major/E Minor
 - F Major/D Minor
- Sweep 3:
 - D Major/B Minor

¹ To read about partimenti see Gjerdingen, *Music in the Galant Style* and *Monuments of Partimenti* as well as Sanguinetti, *The Art of Partimento: History, Theory, and Practice*.

- B-flat Major/G Minor
- A Major/F-sharp Minor
- E-flat Major/C Minor
- Sweep 4:
 - E Major/C-sharp Minor
 - A-flat Major/F Minor
 - B Major/G-sharp Minor
- Sweep 5:
 - F-sharp Major/D-sharp Minor
 - C-sharp Major/A-sharp Minor

Within each of these sweeps you would go through all three levels consecutively.

Tables

As mentioned before, each exercise is represented in an abstract form using tables. The footer row represents the notes of the bass line in terms of *scale steps* which are numbered 1° through 7° and correspond to the members of a major or minor scale. In minor scales 6° and 7° represent the natural members of the minor scale (e.g. F and G in A Minor) while +6° and +7° represent the raised members of the minor scale (e.g. F# and G# in A Minor). Above this is a single harmonization shown in different arrangements. The vertical arrangement of the figures is meant to be taken literally. The spacing however need not be: thirds can be taken as tenths, fifths as twelves, and etc.

If you find reading this rather dense figuration to be cumbersome, just keep in mind that after a while you will develop finger memory thus freeing you from having to read each row with a microscope.

The “Rule of the Octave”

Levels 2 and 3 feature the *Rule of the Octave* which was a very common exercise found in 18th century methods that exercised the student in many of the most common chords and their progressions.² Generally the Rule of the Octave was an ascending and descending scale that either travelled up and down the entire scale or at least went up to 6° and back down to 7° before ending on 1°. The exact harmonization and voice leading of the Rule of the Octave varied among the methods but generally you will find over 1°, 4°, and 5° simple triads while 2°, 3°, 6°, 7° take a chord of the sixth (some have a chord of the sixth over 4° also). More sophisticated versions might have 6/4/3 over 2°, 6/5 over 4° and 7°, and 6#/4/3 over 6°. It was recommended to the student that the Rule of the Octave be practiced in many keys and from all three starting positions. The version I have used

² To read about the history of the Rule of Octave and see several different examples of it, see Lester, *Compositional Theory in the Eighteenth Century*, 49-89. You can also find several examples of in Gjerdingen, *Monuments of Partimenti*, and a discussion of it in Sanguinetti, *The Art of Partimento: History, Theory, and Practice*, 113-25.

with some slight modifications comes from Christoph Gottlieb Schröter's treatise of 1772.³ I chose it because not only is it more sophisticated in its harmonization, but it features all three starting chord positions and uses every possible chord position for each of the subsequent harmonies all while maintaining good melodic motion, preparing all the dissonances correctly, and avoiding all forbidden parallels between all the voices.

With the Rule of the Octave in Level 3 I took the same version and added the acciaccaturas, appoggiaturas, and mordents that are typically applied to each of those chords. These are ornaments that were often added to chords for expressive purposes and from carefully studying the writings and examples of Gasparini and Geminiani I was able to incorporate these ornaments into the Rule of the Octave.⁴ The *acciaccatura* is a dissonant tone (usually a passing tone) that is added between consonances and is held down for at least a short moment of time. The *mordent* is similar except that it should be released immediately (Gasparini says that it is like the bite of a small animal). The *appoggiatura* lastly is a collection of notes that belong to the previous chord but are held over thus becoming dissonant (in every example I have seen it is always 7/4/2 resolving to 8/5/3 over the tonic). In my exercise the ornaments are shown between parentheses (mordents have "m"s after them).

Cadences

Five different types of cadences with various harmonizations are featured in the following set of exercises: the Bass Cadence, the Tenor Cadence, the Alto Cadence, the Soprano Cadence, and the Deceptive Cadence. The Bass Cadence is the most common cadence with a 5° 1° motion in the bass and is usually preceded by 1°, 2°, 3°, 4°, or 6°. The Tenor Cadence (2° 1°), the Alto Cadence (5° 4° 3°), and the Soprano Cadence (7° 1°) are so called because in each the bass takes on the motion that usually done by one of the the upper voices in the standard Bass Cadence.⁵ The Deceptive Cadence is 5° 6° and is most often found in the middle of the pattern 3° 4° 5° 6° 3° 4° 5° 1°.⁶

Sequences

A sequence is a short bass pattern that gets repeated on consecutively higher or lower degrees of the scale. The following set of exercises contains with various harmonizations the *Ascending Stepwise Sequence*, *Descending Stepwise Sequence*, *Down a Third and Up a Step Sequence*, *Down a Fourth and Up a Step Sequence*, *Down a Fifth and Up a Fourth Sequence*, *Up a Fifth and Down a Fourth Sequence*, *Up a Fourth and Down a Third Sequence*, and the *Up a Third and Up Three Steps Sequence* (these are all my own names for them).

³ Arnold, *The Art of Accompaniment From a Thorough-Bass: Volume I*, 307-08.

⁴ Gasparini 78-84, and Geminiani, 4-7

⁵ Gjerdingen, *Music in the Galant Style*, 139-41

⁶ Ibid., 149-50.

A Note about Voice Leading

Nowadays it is usually taught that continuo realization should be completely free of all of those forbidden parallel perfect fifths and octaves. Most historical treatises however teach us that parallel fifths and octaves are tolerable (not great however) when one or more of the voices concerned is an inner voice. In other words it is only between the bass and soprano that you should worry about parallel fifths and octaves.⁷ Unless an audience member is watching your fingers, they are not likely to know if you have parallel fifths in the inner voices especially when covered up by an ensemble. In the following exercises however I have taken such a liberty only very rarely when necessary to maintain good sonority.

⁷ Donington, 330.

Level 1

Scales

Scale in parallel thirds - Major key

Two voices

3	M3	m3	m3	M3	M3	m3	m3	M3	M3	m3	m3	M3	M3	m3	m3	M3
	1°	2°	3°	4°	5°	6°	7°	1°	1°	7°	6°	5°	4°	3°	2°	1°

Scale in parallel thirds - Minor key

Two voices

3

3

3

3

3#

3#

3

3

3

3

3

3

3

3

3

3

3

1°

2°

3°

4°

5°

+6°

+7°

1°

1°

7°

6°

5°

4°

3°

2°

1°

Cadences

Bass Cadence - 1° 5° 1°- Simple Consonances - Major key

Four Voices

8	8	3	8
	5	8	5
	3	5	3
3	3	5	3
	8	3	8
	5	8	5
5	5	8	5
	3	5	3
	8	3	8
	1°	5°	1°

Bass Cadence - 1° 5° 1° - Simple Consonances - Minor Key

Four Voices

8	8	3#	8
	5	8	5
	3	5	3
3	3	5	3
	8	3#	8
	5	8	5
5	5	8	5
	3	5	3
	8	3#	8
	1°	5°	1°

Bass Cadence - 3° 4° 5° 1° - Simple Consonances - Major Key

Four Voices

6	6	5	3	8
	3	3	8	5
	6	8	5	3
8	8	5	3	8
	6	3	8	5
	3	8	5	3
3	3	8	5	3
	8	5	3	8
	6	3	8	5
	3°	4°	5°	1°

Bass Cadence - 3° 4° 5° 1° - Simple Consonances - Minor Key

Four Voices

6	6	5	3#	8
	3	3	8	5
	6	8	5	3
8	8	5	3#	8
	6	3	8	5
	3	8	5	3
3	3	8	5	3
	8	5	3#	8
	6	3	8	5
	3°	4°	5°	1°

Bass Cadence - 2° 5° 1° - Simple Consonances - Major Key

Four Voices

8	8	3	8
	5	8	5
	3	5	3
3	3	5	3
	8	3	8
	5	8	5
5	5	8	5
	3	5	3
	8	3	8
	2°	5°	1°

Bass Cadence - 2° 5° 1° - Simple Consonances - Minor Key

Four Voices

8	8	3#	8
	5	8	5
	3	5	3
3	3	5	3
	8	3#	8
	5	8	5
5	5	8	5
	3	5	3
	8	3#	8
	2°	5°	1°

Bass Cadence - 6° 5° 1° - Simple Consonances - Major Key

Four Voices

8	8	3	8
	5	8	5
	3	5	3
3	3	5	3
	8	3	8
	5	8	5
5	5	8	5
	3	5	3
	8	3	8
	6°	5°	1°

Bass Cadence - 6° 5° 1° - Simple Consonances - Minor Key

Four Voices

3	3	3#	8
	5	8	5
	3	5	3
5	5	5	3
	3	3#	8
	5	8	5
	6°	5°	1°

Bass Cadence - 3° 5° 1° - Simple Consonances - Major Key

Four Voices

6	6	3	8
	3	8	5
	6	5	3
8	8	5	3
	6	3	8
	3	8	5
3	3	8	5
	8	5	3
	6	3	8
	3°	5°	1°

Bass Cadence - 3° 5° 1° - Simple Consonances - Minor Key

Four Voices

6	6	3#	8
	3	8	5
	6	5	3
8	8	5	3
	6	3#	8
	3	8	5
3	3	8	5
	8	5	3
	6	3#	8
	3°	5°	1°

Tenor Cadence - 3° 2° 1° - Simple Consonances - Major Key

Four Voices			
6	6	6	8
	3	3	5
	6	8	3
8	8	3	3
	6	6	8
	3	3	5
3	3	3	3
	6	8	8
	3	6	5
	3°	2°	1°

Tenor Cadence - 3° 2° 1° - Simple Consonances - Minor Key

Four Voices			
6	6	6#	8
	3	3	5
	6	8	3
8	8	3	3
	6	6#	8
	3	3	5
3	3	3	3
	6	8	8
	3	6#	5
	3°	2°	1°

Deceptive Cadence followed by Bass Cadence - 3° 4° 5° 6° 3° 4° 5° 1° - Simple Consonances - Major Key

	Four Voices							
6	6	5	3	8	6	5	3	8
	3	3	8	5	3	3	8	5
	6	8	5	3	6	8	5	3
8	8	5	3	8	8	5	3	8
	6	3	8	5	6	3	8	5
	3	8	5	3	3	8	5	3
3	3	8	5	3	3	8	5	3
	8	5	3	8	8	5	3	8
	6	3	8	5	6	3	8	5
	3°	4°	5°	6°	3°	4°	5°	1°

Deceptive Cadence followed by Bass Cadence - 3° 4° 5° 6° 3° 4° 5° 1° - Simple Consonances - Minor Key

Four Voices

6	6	5	3#	3	6	5	3#	8
	3	3	8	5	3	3	8	5
	6	8	5	3	6	8	5	3
8	8	5	3#	3	8	5	3#	8
	6	3	8	5	6	3	8	5
	3	8	5	3	3	8	5	3
3	3	8	5	3	3	8	5	3
	8	5	3#	5	8	5	3#	8
	6	3	8		6	3	8	5
	3°	4°	5°	6°	3°	4°	5°	1°

Sequences

Stepwise Ascending Sequence - Simple Consonances - Major Key

Three Voices								
8	8	6	6	6	6	6	6	5
	5	3	3	3	3	3	3	3
	3							8
3	3	6	6	6	6	6	6	5
	8	3	3	3	3	3	3	3
	5							8
5	5	6	6	6	6	6	6	5
	3	3	3	3	3	3	3	3
	8							8
Four Voices								
8	8	6	6	6	6	6	6	5
	5	3	3	3	3	3	3	8
	3	8	6	8	6	8	6	3
3	3	8	6	6	6	6	6	5
	8	6	3	3	3	3	3	8
	5	3	6	8	6	8	6	3
5	5	3	8	6	6	6	6	5
	3	8	6	3	3	3	3	8
	8	6	3	8	6	8	6	3
	1°	2°	3°	4°	5°	6°	7°	1°

Stepwise Ascending Sequence - Simple Consonances - Minor Key

Three Voices

8	8	6#	6	6	6	6	6	5
	5	3	3	3#	3#	3	3	8
	3							3
3	3	3	3	3	8	6	6	5
	8	6#	6	6	6	3	3	8
	5							3
5	5	3	3	3	8	6	6	5
	3	6#	6	6	6	3	3	8
	8							3

Four Voices

8	8	6#	6	6	6	6	6	5
	5	3	3	3#	3#	3	3	8
	3	8	6	8	6	8	6	3
3	3	3	8	6	6	6	6	5
	8	6#	6	3#	3#	3	3	8
	5	3	3	8	6	8	6	3
5	5	3	8	6	6	6	6	5
	3	8	6	3#	3#	3	3	8
	8	6#	3	8	6	8	6	3
	1°	2°	3°	4°	5°	#6°	#7°	1°

Stepwise Descending Sequence - Simple Consonances - Major Key

	Three Voices							
5	5 3	6 3	6 3	6 3	6 3	6 3	6 3	8 5 3
	Four Voices							
8	8 5 3	3 6 3	3 8 6	3 6 3	3 8 6	3 6 3	3 8 6	5 3 8
3	3 5 8	6 3 6	6 3 8	6 3 6	6 3 8	6 3 6	6 3 8	8 5 3
	1°	7°	6°	5°	4°	3°	2°	1°

Stepwise Descending Sequence - Simple Consonances - Minor Key

Three Voices							
5	5	6	6	6	6	6	8
	3	3	3	3	3	3	5
Four Voices							
8	8	3	3	3	3	3	5
	5	6	8	6	8	6	3
	3	3	6	3	6	3	8
3	3	6	6	6	6	6	8
	5	3	3	3	3	3	5
	8	6	8	6	8	6	3
	1°	7°	6°	5°	4°	3°	2°
							1°

Stepwise Descending Sequence - Alternation between 5 and 6 - Major Key

Three Voices

3	3 5	3 6	3 5	3 6	3 5	3 6	3 5 6	8 5 3
5	5 3	6 3	5 3	6 3	5 3	6 3	5 6 3	8 5 3

Four Voices

8	8 5 3	3 6 3	8 5 3	3 6 3	8 5 3	3 6 3	8 5 6 3	8 5 3
3	3 5 8	6 3 6	3 5 8	6 3 6	3 5 8	6 3 6	3 5 6 8	5 3 8
5	5 3 8	6 3 6	5 3 8	6 3 6	5 3 8	6 3 6	5 6 3 8	8 5 3

1°

7°

6°

5°

4°

3°

2°

1°

Stepwise Descending Sequence - Alternation between 5 and 6 - Minor Key

Three Voices

3	3 5	3 6	3 5	3 6	3 5	3 6	3 #5 #6	3 8
5	5 3	6 3	5 3	6 3	5 3	6 3	#5 #6 3	8 3

Four Voices

8	8 5 3	3 6 3	8 5 3	3 6 3	8 5 3	3 6 3	8 #5 #6 3	8 5 3
3	3 5 8	6 3 6	3 5 8	6 3 6	3 5 8	6 3 6	#5 #6 3 8	8 5 3
5	5 3 8	6 3 6	5 3 8	6 3 6	5 3 8	6 3 6	#5 #6 3 8	8 5 3

1°

7°

6°

5°

4°

3°

2°

1°

Down a third and up a step sequence - Simple Consonances - Major Key

Four Voices															
8	8	3	8	3	8	3	8	3	8	3	8	3	8	3	8
	5	8	5	8	5	8	5	8	5	8	5	8	5	8	5
	3	5	3	5	3	5	3	5	3	5	3	5	3	5	3
3	3	5	3	5	3	5	3	5	3	5	3	5	3	5	3
	8	3	8	3	8	3	8	3	8	3	8	3	8	3	8
	5	8	5	8	5	8	5	8	5	8	5	8	5	8	5
5	5	8	5	8	5	8	5	8	5	8	5	8	5	8	5
	3	5	3	5	3	5	3	5	3	5	3	5	3	5	3
	8	3	8	3	8	3	8	3	8	3	8	3	8	3	8
	1°	6°	7°	5°	6°	4°	5°	3°	4°	2°	3°	1°	2°	7°	1°

Down a Third and Up a Step Sequence - Simple Consonances - Minor Key

Four Voices															
8	8	3	8	3	8	3	8	3	8	3	8	3	8	3	8
	5	8	5	8	5	8	5	8	5	8	5#	8	5#	8	5
	3	5	3	5	3	5	3	5	3	5	3	5	3	5	3
3	3	5	3	5	3	5	3	5	3	5	3	5	3	5	3
	8	3	8	3	8	3	8	3	8	3	8	3	8	3	8
	5	8	5	8	5	8	5	8	5	8	5#	8	5#	8	5
5	5	8	5	8	5	8	5	8	5	8	5#	8	5#	8	5
	3	5	3	5	3	5	3	5	3	5	3	5	3	5	3
	8	3	8	3	8	3	8	3	8	3	8	3	8	3	8
	1°	6°	7°	5°	6°	4°	5°	3°	4°	2°	3°	1°	2°	+7°	1°

Down a Fourth and Up a Step Sequence - Simple Consonances - Major Key

Four Voices								
8	8	3	8	3	8	3	5	3
	5	8	5	8	5	8	3	8
	3	5	3	5	3	5	8	5
3	3	5	3	5	3	5	8	5
	8	3	8	3	8	3	5	3
	5	8	5	8	5	8	3	8
5	5	8	5	8	5	8	3	8
	3	5	3	5	3	5	5	5
	8	3	8	3	8	3	8	3
	1°	5°	6°	3°	4°	1°	5°	1°

Down a Fourth and Up a Step Sequence - Simple Consonances - Minor Key

Four Voices								
8	8	3	8	3	8	3	5	3
	5	8	5	8	5	8	#	8
	3	5	3	5	3	5	8	5
3	3	5	3	5	3	5	8	5
	8	3	8	3	8	3	5	3
	5	8	5	8	5	8	#	8
5	5	8	5	8	5	8	#	8
	3	5	3	5	3	5	8	5
	8	3	8	3	8	3	5	3
	1°	5°	6°	3°	4°	1°	5°	1°

Down a Fifth and Up a Fourth Sequence - Simple Consonances - Major Key

Four Voices

8	8	5	8	5	8	5	8	5
	5	3	5	3	5	3	5	3
	3	8	3	8	3	8	3	8
3	3	8	3	8	3	8	3	8
	8	5	8	5	8	5	8	5
	5	3	5	3	5	3	5	3
5	5	3	5	3	5	3	5	3
	3	8	3	8	3	8	3	8
	8	5	8	5	8	5	8	5
	1°	4°	7°	3°	6°	2°	5°	1°

Down a Fifth and Up a Fourth Sequence - Simple Consonances - Minor Key

Four Voices

8	8	5	8	5	8	5	8	5
	5	3	5	3	5	3	5	3
	3	8	3	8	3	8	3#	8
3	3	8	3	8	3	8	3#	8
	8	5	8	5	8	5	8	5
	5	3	5	3	5	3	5	3
5	5	3	5	3	5	3	5	3
	3	8	3	8	3	8	3#	8
	8	5	8	5	8	5	8	5
	1°	4°	7°	3°	6°	2°	5°	1°

Up a Fifth and Down a Fourth Sequence - Simple Consonances - Major Key

Four Voices								
8	8	3	8	3	8	5	3	8
	5	8	5	8	5 6	3	8	5
	3	5	3	5	3	8	5	3
3	3	5	3	5	3	8	5	3
	8	3	8	3	8	5	3	8
	5	8	5	8	5 6	3	8	5
5	5	8	5	8	5 6	3	8	5
	3	5	3	5	3	8	5	3
	8	3	8	3	8	5	3	8
	1°	5°	2°	6°	3°	4°	5°	1°

Up a Fifth and Down a Fourth Sequence - Simple Consonances - Minor Key

Four Voices								
8	8	3	8	3	6	3	8	5
	5	8	5	8	3	8	5	3
	3	5	3	5	8	5	3#	8
3	3	5	3	5	8	5	3#	8
	8	3	8	3	6	3	8	5
	5	8	5	8	3	8	5	3
5	5	8	5	8	3	8	5	3
	3	5	3	5	8	5	3#	8
	8	3	8	3	6	3	8	5
	1°	5°	2°	6°	3°	4°	5°	1°

Up a Fourth and Down a Third - Simple Consonances - Major Key

Four Voices

8	8	5	8	5	8	5	8	5	3
	5	3	5	3	5	3	5	3	8
	3	8	3	8	3	8	3	8	5
3	3	8	3	8	3	8	3	8	5
	8	5	8	5	8	5	8	5	3
	5	3	5	3	5	3	5	3	8
5	5	3	5	3	5	3	5	3	8
	3	8	3	8	3	8	3	8	5
	8	5	8	5	8	5	8	5	3
	1°	4°	2°	5°	3°	6°	4°	5°	1°

Up a Fourth and Down a Third - Simple Consonances - Minor Key

Four Voices

8	8	5	8	5	8	5	8	5	3
	5	3	5	3	5	3	5	3#	8
	3	8	3	8	3	8	3	8	5
3	3	8	3	8	3	8	3	8	5
	8	5	8	5	8	5	8	5	3
	5	3	5	3	5	3	5	3#	8
5	5	3	5	3	5	3	5	3#	8
	3	8	3	8	3	8	3	8	5
	8	5	8	5	8	5	8	5	3
	1°	4°	2°	5°	3°	6°	4°	5°	1°

Level 2

Scales

Rule of the Octave - Major key

Four Voices

8	8	6	6	5	3	3	3	4	6	6	8	3	8
	5	4	3	3	8	6#	8	2	3	4	5	6	5
	3	3	8	6	5	4	5	6	8	3	3	5	3
3	3	3	8	6	5	4	5	6	8	3	3	5	3
	8	6	6	5	3	3	3	4	6	6	8	3	8
	5	4	3	3	8	6#	8	2	3	4	5	6	5
5	5	4	3	3	8	6#	8	2	3	4	5	6	5
	3	3	8	6	5	4	5	6	8	3	3	5	3
	8	6	6	5	3	3	3	4	6	6	8	3	8
	1°	2°	3°	4°	5°	6°	5°	4°	3°	2°	1°	7°	1°

Rule of the Octave - Minor key

Four Voices

8	8	6#	6	5	3#	3	3#	4#	6	6#	8	3	8
	5	4	3	3	8	6	8	2	3	4	5	6	5
	3	3	8	6	5	3	5	6	8	3	3	5	3
3	3	3	8	6	5	6	5	6	8	3	3	5	3
	8	6#	6	5	3#	3	3#	4#	6	6#	8	3	8
	5	4	3	3	8	6	8	2	3	4	5	6	5
5	5	4	3	3	8	6	8	2	3	4	5	6	5
	3	3	8	6	5	3	5	6	8	3	3	5	3
	8	6#	6	5	3#		3#	4#	6	6#	8	3	8
	1°	2°	3°	4°	5°	6°	5°	4°	3°	2°	1°	+7°	1°

Cadences

Bass Cadence - 1° 5° 1° - 4-3 Suspension - Major Key

Four Voices

8	8	4 3	8
	5	8	5
	3	5	3
3	3	5	3
	8	4 3	8
	5	8	5
5	5	8	5
	3	4 3	3
	8	3	8
	1°	5°	1°

Bass Cadence - 1° 5° 1° - 4-3 Suspension - Minor Key

Four Voices

8	8	4 3#	8
	5	8	5
	3	5	3
3	3	5	3
	8	4 3#	8
	5	8	5
5	5	8	5
	3	4 3#	3
	8	3	8
	1°	5°	1°

Bass Cadence - 3° 4° 5° 1° - 4-3 Suspension - Major Key

Four Voices

6	6	5	4 3	8
	3	3	8	5
	8	6	5	3
8	8	6	5	3
	6	5	4 3	8
	3	3	8	5
3	3	3	8	5
	8	6	5	3
	6	5	4 3	8
	3°	4°	5°	1°

Bass Cadence - 3° 4° 5° 1° - 4-3 Suspension - Minor Key

Four Voices

6	6	5	4 3#	8
	3	3	8	5
	8	6	5	3
8	8	6	5	3
	6	5	4 3#	8
	3	3	8	5
3	3	3	8	5
	8	6	5	3
	6	5	4 3#	8
	3°	4°	5°	1°

Bass Cadence - 2° 5° 1° - 7ths - Major Key

Four Voices			
7	7	3	8
	5	8	5
	3	7	3
3	3	7	3
	7	5	8
	5	3	5
8	5	8	5
	3	7	3
	7	3	8
	2°	5°	1°

Bass Cadence - 2° 5° 1° - 7ths - Minor Key

Four Voices			
7	7	3#	8
	5	8	5
	3	7	3
3	3	7	3
	7	3#	8
	5	5	5
8	5	8	5
	3	7	3
	7	3#	8
	2°	5°	1°

Bass Cadence - 6° 5° 1° - 4-3 Suspension - Major Key

Four Voices			
3	3	4 3	8
	8	8	5
	5		3
5	5	8	5
	3	4 3	3
	8		8
	6°	5°	1°

Bass Cadence - 6° 5° 1° - 4-3 Suspension - Minor Key

Four Voices			
3	3	4 3#	8
	8	8	5
	5		3
5	5	8	5
	3	4 3#	3
	8		8
	6°	5°	1°

Bass Cadence - 3° 5° 1° - 4-3 Suspension - Major Key

Four Voices			
6	6	4 3	8
	3	8	5
	8	5	3
8	8	5	3
	6	4 3	8
	3	8	5
3	3	8	5
	8	5	3
	6	4 3	8
	3°	5°	1°

Bass Cadence - 3° 5° 1° - 4-3 Suspension - Minor Key

Four Voices			
6	6	4 3#	8
	3	8	5
	8	5	3
8	8	5	3
	6	4 3#	8
	3	8	5
3	3	8	5
	8	5	3
	6	4 3#	8
	3°	5°	1°

Tenor Cadence - 3° 2° 1° - 6/4/3 - Major Key

Four Voices

6	6	6	8
	3	4	5
	8	3	3
8	8	3	3
	6	6	8
	3	4	5
3	3	4	5
	6	3	3
	3	6	8
	3°	2°	1°

Tenor Cadence - 3° 2° 1° - 6/4/3 - Minor Key

Four Voices

6	6	6#	8
	3	4	5
	8	3	3
8	8	3	3
	6	6#	8
	3	4	5
3	3	4	5
	6	3	3
	3	6#	8
	3°	2°	1°

Tenor Cadence - 3° 2° 1° - 7-6 Suspension - Major Key

Four Voices

6	6	7 6	8
	3	3	5
	6		3
8	8	3	3
	6	7 6	8
	3		5
3	3	3	3
	6	7 6	8
	3		5
	3°	2°	1°

Tenor Cadence - 3° 2° 1° - 7-6 Suspension - Minor Key

Four Voices

6	6	7 6#	8
	3	3	5
	6		3
8	8	3	3
	6	7 6#	8
	3		5
3	3	3	3
	6	7 6#	8
	3		5
	3°	2°	1°

Alto Cadence - 5° 4° 3° - 6/4/2 - Major Key

Four Voices			
5	5	6	8
	3	4	6
	8	2	3
8	8	2	3
	5	6	8
	3	4	6
3	3	4	6
	8	2	3
	5	6	8
	5°	4°	3°

Alto Cadence - 5° 4° 3° - 6/4/2 - Minor Key

Four Voices			
5	5	6	8
	3#	4#	6
	8	2	3
8	8	2	3
	5	6	8
	3#	4#	6
3	3#	4#	6
	8	2	3
	5	6	8
	5°	4°	3°

Soprano Cadence - 7° 1° - 6/5 - Major Key

Four Voices

6	6	5
	5	3
	3	8
3	3	8
	6	5
	5	3
5	5	3
	3	8
	6	5
	7°	1°

Soprano Cadence - 7° 1° - 6/5 - Minor Key

Four Voices

6	6	5
	5	3
	3	8
3	3	8
	6	5
	5	3
5	5	3
	3	8
	6	5
	+7°	1°

Deceptive Cadence followed by Bass Cadence - 3° 4° 5° 6° 3° 4° 5° 1° - 4-3 Suspensions - Major Key

Four Voices

6	6	5	4 3	8	6	5	4 3	8
	3	3	8	5	3	3	8	5
	8	6	5	3	8	6	5	3
8	8	6	5	3	8	6	5	3
	6	5	4 3	8	6	5	4 3	8
	3	3	8	5	3	3	8	5
3	3	3	8	5	3	3	8	5
	8	6	5	3	8	6	5	3
	6	5	4 3	8	6	5	4 3	8
	3°	4°	5°	6°	3°	4°	5°	1°

Deceptive Cadence followed by Bass Cadence - 3° 4° 5° 6° 3° 4° 5° 1° - 4-3 Suspensions - Minor Key

Four Voices

6	6	5	4 3#	3	6	5	4 3#	8
	3	3	8	6	3	3	8	5
	8	6	5	3	8	6	5	3
8	8	6	5	3	8	6	5	3
	6	5	4 3#	6	6	5	4 3#	8
	3	3	8		3	3	8	5
3	3	3	8	6	3	3	8	5
	8	6	5	3	8	6	5	3
	6	5	4 3#		6	5	4 3#	8
	3°	4°	5°	6°	3°	4°	5°	1°

Down a Fifth and Up a Fourth Sequence - Sevenths - Major Key

Three Voices

5	5 3	3 7	7 3	3 7	7 3	3 7	7 3	3 8
3	3 8	7 3	3 7	7 3	3 7	7 3	3 7	8 3

Four Voices

8	8 5 3	5 3 7	8 7 3	5 3 7	8 7 3	5 3 7	8 7 3	5 3 8
3	3 8 5	7 5 3	3 8 7	7 5 3	3 8 7	7 5 3	3 8 7	8 5 3
5	5 3 8	3 7 5	7 3 8	3 7 5	7 3 8	3 7 5	7 3 8	3 8 5

Five Voices

8	8 5 3	5 3 8 7	8 7 5 3	5 3 8 7	8 7 5 3	5 3 8 7	8 7 5 3	5 3 8
3	3 8 5	7 5 3 8	3 8 7 5	7 5 3 8	3 8 7 5	7 5 3 8	3 8 7 5	8 5 3
5	5 3 8	3 8 7 5	7 5 3 8	3 8 7 5	7 5 3 8	3 8 7 5	7 5 3 8	3 8 5

1°

4°

7°

3°

6°

2°

5°

1°

Down a Fifth and Up a Fourth Sequence - Sevenths - Minor Key

Three Voices

5	5	3	7	3	7	3	7	3
	3	7	3	7	3	7	3#	8
3	3	7	3	7	3	7	3#	8
	8	3	7	3	7	3	7	5

Four Voices

8	8	5	8	5	8	5	8	5
	5	3	7	3	7	3	7	3
	3	7	3	7	3	7	3#	8
3	3	7	3	7	3	7	3#	8
	8	5	8	5	8	5	8	5
	5	3	7	3	7	3	7	3
5	5	3	7	3	7	3	7	3
	3	7	3	7	3	7	3#	8
	8	5	8	5	8	5	8	5

Five Voices

8	8	5	8	5	8	5	8	5
	5	3	7	3	7	3	7	3
	3	8	5	8	5	8	5	8
		7	3	7	3	7	3#	
3	3	7	3	7	3	7	3#	8
	8	5	8	5	8	5	8	5
	5	3	7	3	7	3	7	3
		8	5	8	5	8	5	
5	5	3	7	3	7	3	7	3
	3	8	5	8	5	8	5	8
	8	7	3	7	3	7	3#	5
		5	8	5	8	5	8	

1°

4°

7°

3°

6°

2°

5°

1°

Sequences

Ascending Stepwise Sequence - 5-6 Suspensions - Major Key

	Three Voices							
5	5 6 3	5 6 3	5 6 3	5 6 3	5 6 3	5 6 3	5 6 3	5 3
3	3 5 6	3 5 6	3 5 6	3 5 6	3 5 6	3 5 6	3 5 6	8 3
	Four Voices							
5	5 6 3 8	5 6 3 8	5 6 3 8	5 6 3 8	5 6 3 8	5 6 3 8	5 6 3 8	5 3 8
3	3 5 6 8	3 5 6 8	3 5 6 8	3 5 6 8	3 5 6 8	3 5 6 8	3 5 6 8	3 8 5
	1°	2°	3°	4°	5°	6°	7°	1°

Ascending Stepwise Sequence - 5-6 Suspensions - Minor Key

Three Voices

5	5 6# 3	5# 6# 3	5 6 3	5 6 3#	5 6 3#	5 6 3	5 6 3	5 3
3	3 5 6#	3 5# 6#	3 5# 6#	3# 5 6	3# 5 6	3 5 6	3 5 6	8 3

Four Voices

5	5 6# 3 8	5 6# 3 5	5 6 3 8	5 6 3# 5	5 6 3# 8	5 6 3 5	5 6 3 8	5 3 8
3	3 5 6# 8	3 5# 6# 5	3 5 6 8	3# 5 6 5	3# 5 6 8	3 5 6 5	3 5 6 8	3 8 5

1°

2°

3°

4°

5°

#6°

#7°

1°

Ascending Stepwise Sequence - 7-6 Suspensions - Major Key

Three Voices								
8	8 3	7 6 8 3	7 6 8 3	7 6 8 3	7 6 8 3	7 6 8 3	7 6 3	5 3
	3 8	3 7 6 8	3 7 6 8	3 7 6 8	3 7 6 8	3 7 6 8	3 7 6	8 3
	1°	2°	3°	4°	5°	6°	7°	1°

Ascending Stepwise Sequence - 7-6 Suspensions - Minor Key

Three Voices								
8	8	7 6# 8	7 6 8	7 6 8	7 6 8	7 6 8	7 6	5
	3	3	3	3#	3#	3	3	3
3	3	3	3	3#	3#	3	3	8
	8	7 6# 8	7 6 8	7 6 8	7 6 8	7 6 8	7 6	3
	1°	2°	3°	4°	5°	+6°	+7°	1°

Descending Stepwise Sequence - 7-6 Suspensions - Major Key

Three Voices

8	5 6 3	7 6 3	7 6 3	7 6 3	7 6 3	7 6 3	7 6 3	8 3
	3 5 6	3 7 6	3 7 6	3 7 6	3 7 6	3 7 6	3 7 6	3 8
3	1°	7°	6°	5°	4°	3°	2°	1°

Descending Stepwise Sequence - 7-6 Suspensions - Minor Key

Three Voices

8	5 6 3	7 6 3	7 6 3	7 6 3	7 6 3	7 6 3	7 6 3	8 3
	3 5 6	3 7 6	3 7 6	3 7 6	3 7 6	3 7 6	3 7 6	3 8
3	1°	7°	6°	5°	4°	3°	2°	1°

Descending Stepwise Sequence - 6/4/2 - Major Key

Three Voices

8	8 2	3 2	3 2	3 2	3 2	3 2	3	3
	3 4	6 4	6 4	6 4	6 4	6 4	6	8
3	3 4	6 4	6 4	6 4	6 4	6 4	6	8
	8 2	3 2	3 2	3 2	3 2	3 2	3	3

Four Voices

8	8 2	3 2	3 2	3 2	3 2	3 2	6	3
	5 6	6 6	6 6	6 6	6 6	6 6	3	8
	3 4	6 4	6 4	6 4	6 4	6 4		
3	3 4	6 4	6 4	6 4	6 4	6 4	6	5
	8 2	3 2	3 2	3 2	3 2	3 2	3	3
	5 6	6 6	6 6	6 6	6 6	6 6		

1°

7°

6°

5°

4°

3°

2°

1°

Descending Stepwise Sequence - 6/4/2 - Minor Key

Three Voices								
8	8 2	3 2	3 2	3 2	3 2	3 2	3	3
	3 4	6 4	6 4	6 4	6 4#	6 4#	6#	8
3	3 4	6 4	6 4	6 4	6 4#	6 4#	6#	8
	8 2	3 2	3 2	3 2	3 2	3 2	3	3
Four Voices								
8	8 2	3 2	3 2	3 2	3 2	3 2	3	3
	5 6	6 6	6 6	6 6	6 6	6 6	6#	8
	3 4	6 4	6 4	6 4	6 4#	6 4#		
3	3 4	6 4	6 4	6 4	6 4#	6 4#	6#	5
	8 2	3 2	3 2	3 2	3 2	3 2	3	3
	5 6	6 6	6 6	6 6	6 6	6 6		
	1°	7°	6°	5°	4°	3°	2°	1°

Down a Third and Up a Step Sequence - 6/5 - Major Key

Four Voices															
8	8	3	8	3	8	3	8	3	8	3	8	3	8	3	8
	5	6	5	6	5	6	5	6	5	6	5	6	5	6	5
	3	5	3	5	3	5	3	5	3	5	3	5	3	5	3
3	3	5	3	5	3	5	3	5	3	5	3	5	3	5	3
	8	3	8	3	8	3	8	3	8	3	8	3	8	3	8
	5	6	5	6	5	6	5	6	5	6	5	6	5	6	5
5	5	6	5	6	5	6	5	6	5	6	5	6	5	6	5
	3	5	3	5	3	5	3	5	3	5	3	5	3	5	3
	8	3	8	3	8	3	8	3	8	3	8	3	8	3	8
	1°	6°	7°	5°	6°	4°	5°	3°	4°	2°	3°	1°	2°	7°	1°

Down a Third and Up a Step Sequence - 6/5 - Minor Key

Four Voices															
8	8	3	8	3	8	3	8	3	8	3	8	3	8	3	8
	5	6	5	6	5	6	5	6	5	6	5	6	5	6	5
	3	5	3	5	3	5	3	5	3	5	3	5	3	5	3
3	3	5	3	5	3	5	3	5	3	5	3	5	3	5	3
	8	3	8	3	8	3	8	3	8	3	8	3	8	3	8
	5	6	5	6	5	6	5	6	5	6	5	6	5	6	5
5	5	6	5	6	5	6	5	6	5	6	5	6	5	6	5
	3	5	3	5	3	5	3	5	3	5	3	5	3	5	3
	8	3	8	3	8	3	8	3	8	3	8	3	8	3	8
	1°	6°	7°	5°	6°	4°	5°	3°	4°	2°	3°	1°	2°	+7°	1°

Down a Fourth and Up a Step Sequence - 4-3 and 9-8 Suspensions - Major Key

Four Voices

8	8	4 3	9 8	4 3	9 8	4 3	5	3
	5	8	5	8	5	8	4 3	8
	3	5	3	5	3	5	8	5
3	3	5	3	5	3	5	8	5
	8	4 3	9 8	4 3	9 8	4 3	5	3
	5	8	5	8	5	8	4 3	8
5	5	8	5	8	5	8	4 3	8
	3	5	3	5	3	5	8	5
	8	4 3	9 8	4 3	9 8	4 3	5	3
	1°	5°	6°	3°	4°	1°	5°	1°

Down a Fourth and Up a Step Sequence - 4-3 and 9-8 Suspensions - Minor Key

Four Voices

8	8	4 3	9 8	4 3	9 8	4 3	5	3
	5	8	5	8	5	8	4 3#	8
	3	5	3	5	3	5	8	5
3	3	5	3	5	3	5	8	5
	8	4 3	9 8	4 3	9 8	4 3	5	3
	5	8	5	8	5	8	4 3#	8
5	5	8	5	8	5	8	4 3#	8
	3	5	3	5	3	5	8	5
	8	4 3	9 8	4 3	9 8	4 3	5	3
	1°	5°	6°	3°	4°	1°	5°	1°

Up a Third and Up Three Steps - 6/5 and 9ths - Major Key

Three Voices

8	8	6	5	3	9	6	5	3	9	6	5	3	5	3	8
	3	8	6	5	3	8	6	5	3	8	6	5	3	8	3
3	3	8	6	5	3	8	6	5	3	8	6	5	3	8	3
	8	6	5	3	9	6	5	3	9	6	5	3	5	3	8

Four Voices

8	8	6	5	3	9	6	5	3	9	6	5	3	6	5	3
	5	3	3	8	5	3	3	8	5	3	3	8	5	3	5
	3	8	6	5	3	8	6	5	3	8	6	5	3	8	8
3	3	8	6	5	3	8	6	5	3	8	6	5	3	8	5
	8	6	5	3	9	6	5	3	9	6	5	3	6	5	3
	5	3	3	8	5	3	3	8	5	3	3	8	5	3	8
5	5	3	3	8	5	3	3	8	5	3	3	8	5	3	8
	3	8	6	5	3	8	6	5	3	8	6	5	3	8	5
	8	6	5	3	9	6	5	3	9	6	5	3	6	5	3

1° 3° 4° 5° 6° 1° 2° 3° 4° 6° 7° 1° 4° 5° 1°

Up a Third and Up Three Steps - 6/5 and 9ths - Minor Key

Three Voices

8	8	6	5	3	9	6	5	3	9	5	8	3	5	5	3
	3	8	6	5	3	8	6	5	3	3	3#	8	4	3#	8
3	3	8	6	5	3	8	6	5	3	3	3#	8	5	3#	8
	8	6	5	3	9	6	5	3	9	5	8	3	3	8	3

Four Voices

8	8	6	5	3	9	6	5	3	9	6	5	3	6	5	3
	5	3	3	6	5	3	3	6	5	3	3#	8	5	3#	5
	3	8	6b	5b	3	8	6	5b	3	6	8	5	3	8	8
3	3	8	6b	5b	3	8	6	5b	3	3	3#	8	5	3#	8
	8	6	5	3	9	6	5	3	9	8	8	5	3	8	5
	5	3	3	6	5	3	3	6	5	3	5	3	6	5	3
5	5	3	3	6	5	3	3	6	5	3	3#	8	5	3#	8
	3	8	6b	5b	3	8	6	5b	3	6	8	5	3	8	5
	8	6	5	3	9	6	5	3	9	3	5	3	6	5	3

1° 3° 4° 5° 6° 1° 2° #3° 4° 6° 5 1° 4° 5° 1°

Up a Third and Up Three Steps - Consecutive 6/5 and 9ths - Major Key

Three Voices															
8	8	6	5	3	9	6	5	3	9	6	5	3	5	3	8
	3	8	6	5	3	8	6b	5b	3	8	6	5	3	8	3
3	3	8	6	5	3	8	6b	5b	3	8	6	5	3	8	3
	8	6	5	3	9	6	5	3	9	6	5	3	5	3	8
Four Voices															
8	8	6	5	3	9	6	5	3	9	6	5	3	6	5	3
	5	3	3	6	5	3	3	6	5	3	3	8	5	3	5
	3	8	6	5	3	8	6b	5b	3	8	6	5	3	8	8
3	3	8	6	5	3	8	6b	5b	3	8	6	5	3	8	5
	8	6	5	3	9	6	5	3	9	6	5	3	6	5	3
	5	3	3	6	5	3	3	6	5	3	3	8	5	3	8
5	5	3	3	6	5	3	3	6	5	3	3	8	5	3	8
	3	8	6	5	3	8	6b	5b	3	8	6	5	3	8	5
	8	6	5	3	9	6	5	3	9	6	5	3	6	5	3
	1°	3°	+4°	+5°	6°	1°	2°	3°	4°	6°	7°	1°	4°	5°	1°

Level 3



Scales

Rule of the Octave with Acciaccaturas, Mordents, and Appoggiaturas - Major key

	Four Voices														
8	8	6	6	5	3	3	3	4	6	6	(7)8	3	8	3	(7)8
	(7)m	(5)	(5)m	3	(9)	8	8	(3)	(5)m	(5)	5	(9)	(7)m	8	5
	5	4	3	6	8	(7)	(7)m	2	3	4	(4)3	8	5	(7)	(4)3
	3	3	(9)		5	6#	5	6	(9)	3		6	3	5	(2)8
			8		4				8			5	(4)	8	
3	3	3	8	6	5	4	5	6	8	3	3	5	3	(7)	(4)3
	8	8	6	5	(4)	3	3	4	6	8	(2)	3	8	5	(2)8
	(7)m	(7)	(5)m	3	3	8	8	(3)	(5)m	(7)	8	(2)	(7)m	(4)	(7)8
	5	6	3		8	(7)	(7)m	2	3	6	5	8	5	3	5
					6#					4		6	8		
5	5	4	3	3	8	6#	8	2	3	4	5	6	5	8	5
	3	3	(9)	6	5	(5)	(7)m	6	8	3	3	5	3	(7)	(4)3
	8	8	8	5	(4)	4	5	(5)	6	8	(2)	3	8	5	(2)8
	(7)m	(7)	6	3	3	3	3	4	(5)m	(7)	8	(2)	(7)m	(4)	(7)8
		(5)m								6			3		
	1°	2°	3°	4°	5°	6°	5°	4°	3°	2°	1°	7°	1°	5°	1°

Rule of the Octave with Acciaccaturas, Mordents, and Appoggiaturas - Minor key

	Four Voices														
8	8	6#	6	5	3#	3	3#	4#	6	6#	(7#)8	3	8	3#	(7#)8
	(7)m	(5#)	(5#)m	3	(9)	8	8	(3)	(5#)m	(5)	5	(9)	(7#)m	8	5
	5	4	3	6	8	(7)	(7)m	2	3	4	(4)3	8	5	(7)	(4)3
	3	3	(9)		5	6#	5	6	(9)	3		6	3	5	(2)8
			8			4			8			5		(4)	8
3	3	3	8	6	5	4	5	6	8	3	3	5	3	(7)	(4)3
	8	8	6	5	(4)	3	3#	4#	6	8	(2)	3	8	5	(2)8
	(7)m	(7)	(5#)m	3	3#	8	8	(3)	(5#)m	(7)	8	(2)	(7#)m	(4)	(7#)8
	5	6#	3		8	(7)	(7)m	2	3	6#	5	8	5	3#	5
		4			6#				4		6		8		
5	5	4	3	3	8	6#	8	2	3	4	5	6	5	8	5
	3	3	(9)	6	5	(5)	(7)m	6	8	3	3	5	3	(7)	(4)3
	8	8	8	5	(4)	4	5	(5)	6	8	(2)	3	8	5	(2)8
	(7)m	(7)	6		3#	3	3#	4#	(5#)m	(7)	8	(2)	(7#)m	(4)	(7#)8
		6#	(5#)m							6#				3#	
	1°	2°	3°	4°	5°	6°	5°	4°	3°	2°	1°	+7°	1°	5°	1°

Cadences

Bass Cadence - 1° 5° 1° - 6/4-5/3 Suspensions - Major Key

Four Voices

8

8
5
3

4 3
8
6 5

8
5
3

3

3
8
5

6 5
4 3
8

3
8
5

5

5
3
8

8
6 5
4 3

5
3
8

1°

5°

1°

Bass Cadence - 1° 5° 1° - 6/4-5/3 Suspensions - Minor Key

Four Voices

8	8	4 3#	8
	5	8	5
	3	6 5	3
3	3	6 5	3
	8	4 3#	8
	5	8	5
5	5	8	5
	3	6 5	3
	8	4 3#	8
	1°	5°	1°

Bass Cadence - 1° 5° 1° - 7/5-6/4-5/3 - Major Key

Four Voices

6	8	7 6 5	3
	5	5 4 3	5
	3	3	8
		8	
8	3	8	5
	8	7 6 5	3
	5	5 4 3	8
		3	
3	5	3 4 3	8
	3	8	5
	8	7 6 5	3
	4°	5°	1°

Bass Cadence - 1° 5° 1° - 7/5-6/4-5/3 - Minor Key

Four Voices

6	8	5 6 5	3
	5	3# 4 3#	5
	3	8	8
8	3	8	5
	8	5 6 5	3
	5	3# 4 3#	8
3	5	3# 4 3#	8
	3	8	5
	8	5 6 5	3
	4°	5°	1°

Bass Cadence - 3° 4° 5° 1° - 9/7-8/6 Suspensions - Major Key

Four Voices

6	6	3	9 8	5
	3	9 8	7 6 5	3
	8	7 6 5	3	8
8	8	7 6 5	3	8
	6	3	9 8	5
	3	9 8	7 6 5	3
3	3	9 8	7 6 5	3
	8	7 6 5	3	8
	6	3	9 8	5
	3°	4°	5°	1°

Bass Cadence - 3° 4° 5° 1° - 9/7-8/6 Suspensions - Minor Key

Four Voices

6	6	3	9 8	5
	3	9 8	7 6 5	3
	8	7 6 5	3#	8
8	8	7 6 5	3#	8
	6	3	9 8	5
	3	9 8	7 6 5	3
3	3	9 8	7 6 5	3
	8	7 6 5	3#	8
	6	3	9 8	5
	3°	4°	5°	1°

Bass Cadence - 3° 4° 5° 1° - 7th and a 4-3 Suspension - Major Key

Four Voices

6	6 3 8	5 3 8 7	4 3 8 7 5	8 5 3
	8 6 3	7 5 3 8	5 4 3 8 7	3 8 5
	3 8 6	3 8 7 5	8 7 5 4 3	5 3 8
3	3°	4°	5°	1°

Bass Cadence - 3° 4° 5° 1° - 7th and a 4-3 Suspension - Minor Key

Four Voices

6	6 3 8	5 3 8 7	4 3# 8 7 5	8 5 3
	8 6 3	7 5 3 8	5 4 3# 8 7	3 8 5
	3 8 6	3 8 7 5	8 7 5 4 3#	5 3 8
3	3°	4°	5°	1°

Bass Cadence - 3° 4° 5° 1° - 6/5 and a 9/4-8/3 Suspension - Major Key

Four Voices

6	6	6	4 3	8
	3	3	9 8	5
	8	5	5	3
8	8	6	5	3
	6	5	4 3	8
	3	3	9 8	5
3	3	3	9 8	5
	8	6	5	3
	6	5	4 3	8
	3°	4°	5°	1°

Bass Cadence - 3° 4° 5° 1° - 6/5 and a 9/4-8/3 Suspension - Minor Key

Four Voices

6	6	6	4 3#	8
	3	3	9 8	5
	8	5	5	3
8	8	6	5	3
	6	5	4 3#	8
	3	3	9 8	5
3	3	3	9 8	5
	8	6	5	3
	6	5	4 3#	8
	3°	4°	5°	1°

Bass Cadence - 2° 5° 1° - 7ths and a 4-3 Suspension - Major Key

Four Voices			
7	7	4 3	8
	5	8	5
	3	7	3
3	3	7	3
	7	5	8
	5	4 3	5
5	5	8	5
	3	7	3
	7	4 3	8
	2°	5°	1°

Bass Cadence - 2° 5° 1° - 7ths and a 4-3 Suspension - Minor Key

Four Voices

7	7	4 3#	8
	5	8	5
	3	7	3
3	3	7	3
	7	5	8
	5	4 3#	5
5	5	8	5
	3	7	3
	7	4 3#	8
	2°	5°	1°

Bass Cadence - 3° 5° 1° - 6/4-5/3 Suspension - Major Key

Four Voices

6	6	4 3	8
	3	8	5
	8	6 5	3
8	8	6 5	3
	6	4 3	8
	3	8	5
3	3	8	5
	8	6 5	3
	6	4 3	8
	3°	5°	1°

Bass Cadence - 3° 5° 1° - 6/4-5/3 Suspension - Minor Key

Four Voices

6	6	4 3#	8
	3	8	5
	8	6 5	3
8	8	6 5	3
	6	4 3#	8
	3	8	5
3	3	8	5
	8	6 5	3
	6	4 3#	8
	3°	5°	1°

Tenor Cadence - 3° 2° 1° - 4/3 combined with a 7-6 Suspension - Major Key

Four Voices

6	6	7 6	8
	3	4	5
	8	3	3
8	8	3	3
	6	7 6	8
	3	4	5
3	3	4	5
	6	3	3
	3	7 6	8
	3°	2°	1°

Tenor Cadence - 3° 2° 1° - 4/3 combined with a 7-6 Suspension - Minor Key

Four Voices

6	6	7 6#	8
	3	4	5
	8	3	3
8	8	3	3
	6	7 6#	8
	3	4	5
3	3	4	5
	6	3	3
	3	7 6#	8
	3°	2°	1°

Soprano Cadence - 7° 1° - 6/5 and a 9/4-8/3 Suspension - Major Key

Four Voices

6	6	5
	5	4 3
	3	9 8
3	3	9 8
	6	5
	5	4 3
5	5	4 3
	3	9 8
	6	5
	7°	1°

Soprano Cadence - 7° 1° - 6/5 and a 9/4-8/3 Suspension - Minor Key

Four Voices

6	6	5
	5	4 3
	3	9 8
3	3	9 8
	6	5
	5	4 3
5	5	4 3
	3	9 8
	6	5
	+7°	1°

Deceptive Cadence followed by Bass Cadence - 3° 4° 5° 6° 3° 4° 5° 1° - 6/5 and 9/4-8/3 Suspensions - Major Key

Four Voices

6	6	6	4 3	9 8	6	6	4 3	8
	3	3	9 8	5	3	3	9 8	5
	8	5	5	4 3	8	5	5	3
8	8	6	5	4 3	8	6	5	3
	6	5	4 3	9 8	6	5	4 3	8
	3	3	9 8	5	3	3	9 8	5
3	3	3	9 8	5	3	3	9 8	5
	8	6	5	4 3	8	6	5	3
	6	5	4 3	9 8	6	5	4 3	8
	3°	4°	5°	6°	3°	4°	5°	1°

Deceptive Cadence followed by Bass Cadence - 3° 4° 5° 6° 3° 4° 5° 1° - 6/5, 9/4-8/3 Suspensions, and 7/4/2A - Minor Key

Four Voices								
6	6	6	4 3#	2# 3	6	6	4 3#	8
	3	3	9 8	7 6	3	3	9 8	5
	8	5	5	4 3	8	5	5	3
8	8	6	5	4 3	8	6	5	3
	6	5	4 3#	2# 3	6	5	4 3#	8
	3	3	9 8	7 6	3	3	9 8	5
3	3	3	9 8	7 6	3	3	9 8	5
	8	6	5	4 3	8	6	5	3
	6	5	4 3#	2# 3	6	5	4 3#	8
	3°	4°	5°	6°	3°	4°	5°	1°

Deceptive Cadence followed by Bass Cadence - 3° 4° 5° 6° 3° 4° 5° 1° - 9/7-8/6 Suspensions - Major Key

Four Voices

6	6	3	9 8	7 6 5	6	3	9 8	5
	3	9 8	7 6 5	3	3	9 8	7 6 5	3
	8	7 6 5	3	9 8	8	7 6 5	3	8
8	8	7 6 5	3	9 8	8	7 6 5	3	8
	6	3	9 8	7 6 5	6	3	9 8	5
	3	9 8	7 6 5	3	3	9 8	7 6 5	3
3	3	9 8	7 6 5	3	3	9 8	7 6 5	3
	8	7 6 5	3	9 8	8	7 6 5	3	8
	6	3	9 8	7 6 5	6	3	9 8	5
	3°	4°	5°	6°	3°	4°	5°	1°

Deceptive Cadence followed by Bass Cadence - 3° 4° 5° 6° 3° 4° 5° 1° - 9/7-8/6 Suspensions and 7/4/2A - Minor Key

Four Voices

6	6	3	9 8	7 6	6	3	9 8	5
	3	9 8	7 6 5	4 3	3	9 8	7 6 5	3
	8	7 6 5	3#	2# 3	8	7 6 5	3#	8
8	8	7 6 5	3#	2# 3	8	7 6 5	3#	8
	6	3	9 8	7 6	6	3	9 8	5
	3	9 8	7 6 5	4 3	3	9 8	7 6 5	3
3	3	9 8	7 6 5	4 3	3	9 8	7 6 5	3
	8	7 6 5	3#	2# 3	8	7 6 5	3#	8
	6	3	9 8	7 6	6	3	9 8	5
	3°	4°	5°	6°	3°	4°	5°	1°

Sequences

Ascending Stepwise Sequence - 9/4-8/3 Suspensions -Major Key

Four Voices

8	8	5	4 3	9 8 7	5	4 3	9 8 7	5
	5	4 3	9 8 7	5	4 3	9 8 7	5	3
	3	9 8 7	5	4 3	9 8 7	5	4 3	8
3	3	9 8 7	5	4 3	9 8 7	5	4 3	8
	8	5	4 3	9 8 7	5	4 3	9 8 7	5
	5	4 3	9 8 7	5	4 3	9 8 7	5	3
5	5	4 3	9 8 7	5	4 3	9 8 7	5	3
	3	9 8 7	5	4 3	9 8 7	5	4 3	8
	8	5	4 3	9 8 7	5	4 3	9 8 7	5
	1°	2°	3°	4°	5°	6°	7°	1°

Ascending Stepwise Sequence - 9/4-8/3 Suspensions - Minor Key

Four Voices

8	8	5	4 3	9 8 7	5	8
	5	4 3	9 8 7	5	4 3#	5
	3	9 8 7	5	4 3	9 8 7	3
3	3	9 8 7	5	4 3	9 8 7	3
	8	5	4 3	9 8 7	5	8
	5	4 3	9 8 7	5	4 3#	5
5	5	4 3	9 8 7	5	4 3#	8
	3	9 8 7	5	4 3	9 8 7	5
	8	5	4 3	9 8 7	5	3
	1°	2°	3°	4°	5°	1°

Ascending Stepwise Sequence - 9/7-8/6 Suspensions - Major Key

Four Voices

8	8	7 6 5	3	9 8	7 6 5	3	9 8 7	5
	5	3	9 8	7 6 5	3	9 8	7 6 5	3
	3	9 8	7 6 5	3	9 8	7 6 5	3	8
3	3	9 8	7 6 5	3	9 8	7 6 5	3	8
	8	7 6 5	3	9 8	7 6 5	3	9 8 7	5
	5	3	9 8	7 6 5	3	9 8	7 6 5	3
5	5	3	9 8	7 6 5	3	9 8	7 6 5	3
	3	9 8	7 6 5	3	9 8	7 6 5	3	8
	8	7 6 5	3	9 8	7 6 5	3	9 8 7	5
	1°	2°	3°	4°	5°	6°	7°	1°

Ascending Stepwise Sequence - 9/7-8/6 Suspensions - Minor Key

Four Voices

8	8	7 6 5	3	9 8	7 6 5	8
	5	3	9 8	7 6 5	3#	5
	3	9 8	7 6 5	3	9 8	3
3	3	9 8	7 6 5	3	9 8	5
	8	7 6 5	3	9 8	7 6 5	3
	5	3	9 8	7 6 5	3#	8
5	5	3	9 8	7 6 5	3#	8
	3	9 8	7 6 5	3	9 8	5
	8	7 6 5	3	9 8	7 6 5	3
	1°	2°	3°	4°	5°	1°

Down a Third and Up a Step Sequence - 6/5 and 9/4-8/3 Suspensions - Major Key

Four Voices															
8	8	3	5	3	5	3	5	3	5	3	5	3	5	3	8
	5	6	9 8	6	9 8	6	9 8	6	9 8	6	9 8	6	9 8	6	5
	3	5	4 3	5	4 3	5	4 3	5	4 3	5	4 3	5	4 3	5	3
3	3	5	4 3	5	4 3	5	4 3	5	4 3	5	4 3	5	4 3	5	4 3
	8	3	9 8	3	9 8	3	9 8	3	9 8	3	9 8	3	9 8	3	9 8
	5	6	5	6	5	6	5	6	5	6	5	6	5	6	5
5	5	6	5	6	5	6	5	6	5	6	5	6	5	6	5
	3	5	4 3	5	4 3	5	4 3	5	4 3	5	4 3	5	4 3	5	3
	8	3	9 8	3	9 8	3	9 8	3	9 8	3	9 8	3	9 8	3	8
	1°	6°	7°	5°	6°	4°	5°	3°	4°	2°	3°	1°	2°	7°	1°

Down a Third and Up a Step Sequence - 6/5 and 9/4-8/3 Suspensions - Minor Key

Four Voices															
8	8	3	9 8	3	9 8	3	9 8	3	9 8	3	9 8	3	9 8	3	9 8
	5	6	5	6	5	6	5	6	5	6	5	6	5	6	5
	3	5	4 3	5	4 3	5	4 3	5	4 3	5	4 3	5	4 3	5	4 3
3	3	5	4 3	5	4 3	5	4 3	5	4 3	5	4 3	5	4 3	5	4 3
	8	3	9 8	3	9 8	3	9 8	3	9 8	3	9 8	3	9 8	3	9 8
	5	6	5	6	5	6	5	6	5	6	5	6	5	6	5
5	5	6	5	6	5	6	5	6	5	6	5	6	5	6	5
	3	5	4 3	5	4 3	5	4 3	5	4 3	5	4 3	5	4 3	5	4 3
	8	3	9 8	3	9 8	3	9 8	3	9 8	3	9 8	3	9 8	3	9 8
	1°	6°	7°	5°	6°	4°	5°	3°	4°	2°	3°	1°	2°	+7°	1°

Down a Fourth and Up a Step Sequence - 6/4-5/3 and 9-8 Suspensions - Major Key

Four Voices

8	8	4 3	9 8	4 3	9 8	4 3	4 3	3
	5	8	5	8	5	8	8	8
	3	6 5	3	6 5	3	6 5	6 5	5
3	3	6 5	3	6 5	3	6 5	6 5	5
	8	4 3	9 8	4 3	9 8	4 3	4 3	3
	5	8	5	8	5	8	8	8
5	5	8	5	8	5	8	8	8
	3	6 5	3	6 5	3	6 5	6 5	5
	8	4 3	9 8	4 3	9 8	4 3	4 3	3
	1°	5°	6°	3°	4°	1°	5°	1°

Down a Fourth and Up a Step Sequence - 6/4-5/3 and 9-8 Suspensions - Minor Key

Four Voices

8	8	4 3	9 8	4 3	9 8	4 3	6 5	3
	5	8	5	8	5	8	4 3#	8
	3	6 5	3	6 5	3	6 5	8	5
3	3	6 5	3	6 5	3	6 5	8	5
	8	4 3	9 8	4 3	9 8	4 3	6 5	3
	5	8	5	8	5	8	4 3#	8
5	5	8	5	8	5	8	4 3#	8
	3	6 5	3	6 5	3	6 5	8	5
	8	4 3	9 8	4 3	9 8	4 3	6 5	3
	1°	5°	6°	3°	4°	1°	5°	1°

Up a Fifth and Down a Fourth Sequence - 6/4-5/3 Suspensions - Major Key

Four Voices

8	8	4 3	8	4 3	8	6	5	8
	5	8	5	8	5 6	5	4 3	5
	3	6 5	3	6 5	3	3	8	3
3	3	6 5	3	8	3	3	8	5
	8	4 3	8	6 5	8	6	5	3
	5	8	5	4 3	5 6	5	4 3	8
5	5	8	5	8	5 6	5	4 3	8
	3	6 5	3	6 5	3	3	8	5
	8	4 3	8	4 3	8	6	5	3
	1°	5°	2°	6°	3°	4°	5°	1°

Down a Fifth and Up a Fourth Sequence - 9/7 - Major Key

Three Voices

5	5	9	5	9	5	9	5	3
	3	7	3	7	3	7	3	8
3	3	7	3	7	3	7	3	8
	5	9	5	9	5	9	5	3

Four Voices

8	8	3	7	3	7	3	7	3
	5	9	5	9	5	9	5	8
	3	7	3	7	3	7	3	5
3	3	7	3	7	3	7	3	8
	8	3	7	3	7	3	7	5
	5	9	5	9	5	9	5	3
5	5	9	5	9	5	9	5	3
	3	7	3	7	3	7	3	8
	8	3	7	3	7	3	7	5

Five Voices

8	8	5	9	5	9	5	9	5
	5	3	7	3	7	3	7	3
	3	9	5	9	5	9	5	8
		7	3	7	3	7	3	
3	3	7	3	7	3	7	3	8
	8	5	9	5	9	5	9	5
	5	3	7	3	7	3	7	3
		9	5	9	5	9	5	
5	5	3	7	3	7	3	7	3
	3	9	5	9	5	9	5	8
	8	7	3	7	3	7	3	5
		5	9	5	9	5	9	

1°

4°

7°

3°

6°

2°

5°

1°

Down a Fifth and Up a Fourth Sequence - 9/7 - Minor Key

Three Voices

5	5 3	9 7	5 3	9 7	5 3	9 7	5 3#	3 8
	3 8	7 9	3 5	7 9	3 5	7 9	3# 5	8 3

Four Voices

8	8 5 3	3 9 7	7 5 3	3 9 7	7 5 3	3 9 7	7 5 3#	3 8 5
	3 8 5	7 3 9	3 7 5	7 3 9	3 7 5	7 3 9	3# 7 5	8 5 3
3	5 3 8	9 7 3	5 3 7	9 7 3	5 3 7	9 7 3	5 3# 7	3 8 5
	5 3 8	9 7 3	5 3 7	9 7 3	5 3 7	9 7 3	5 3# 7	3 8 5

Five Voices

8	8 5 3	5 3 9 7	9 7 5 3	5 3 9 7	9 7 5 3	5 3 9 7	9 7 5 3#	5 3 8
	3 8 5	7 5 3 9	3 9 7 5	7 5 3 9	3 9 7 5	7 5 3 9	3# 9 7 5	8 5 3
3	5 3 8	3 9 7 5	7 5 3 9	3 9 7 5	7 5 3 9	3 9 7 5	7 5 3# 9	3 8 5
	5 3 8	3 9 7 5	7 5 3 9	3 9 7 5	7 5 3 9	3 9 7 5	7 5 3# 9	3 8 5

1°

4°

7°

3°

6°

2°

5°

1°

Up a Fifth and Down a Fourth Sequence - 6/4-5/3 Suspensions - Minor Key

Four Voices

8	8	4 3	8	4 3	5# 6	6	5	8
	5	8	5	8	3	5	4 3#	5
	3	6 5	3	6 5	8	3	8	3
3	3	6 5	3	6 5	3	3	8	5
	8	4 3	8	4 3	5# 6	6	5	3
	5	8	5	8	3	5	4 3#	8
5	5	8	5	8	3	3	8	5
	3	6 5	3	6 5	8	6	5	3
	8	4 3	8	4 3	5# 6	5	4 3#	8
	1°	5°	2°	6°	3°	4°	5°	1°

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