

TRUMPET DIATONICS

a poetic training in Music Literacy

Music Theory



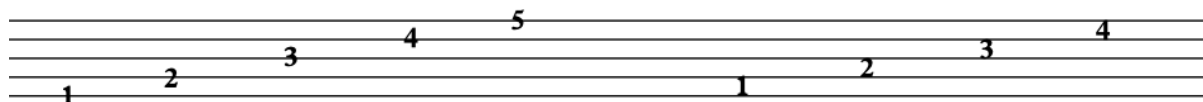
JC HEISLER

Music Theory
Trumpet Diatonics ©

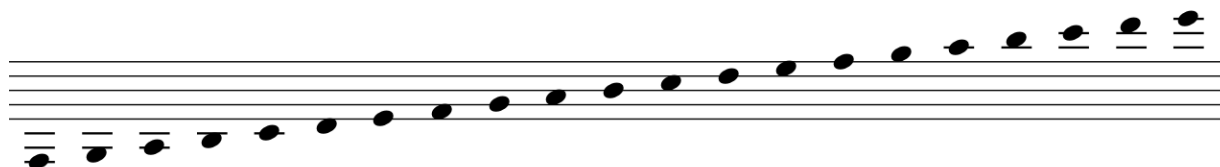
By JC Heisler

Music Theory

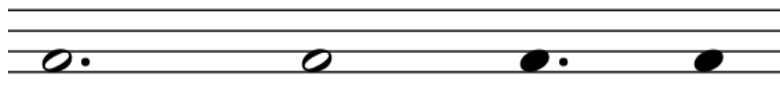
This is the staff. It is made up of 5 lines and 4 spaces. Together, these represent a sequence of pitches or frequencies.



The note heads are placed on the staff to signify the sounding pitches or specific frequencies intended to be heard. Notes are to be read from left to right. The higher the note head placement on the staff, the higher the pitch frequency in the mind's ear. Ledger lines are added to extend the staff higher and lower, thus furthering the range of pitches available for expression on the staff.



There are four different note head styles to apply to the staff.



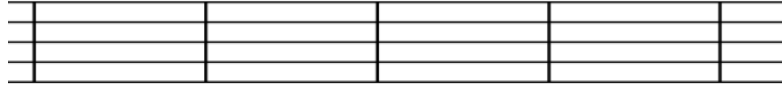
There are two main clefs that are commonly applied to the staff; the Treble Clef and the Bass Clef. The pitch of the note heads positioned on the staff are determined by the addition of the clef written on the staff. The addition of the clef specifies the exact frequencies of the lines and spaces that make up the staff. Thus the staff begins to resonate with the addition of the clef.

Treble Clef: G Clef

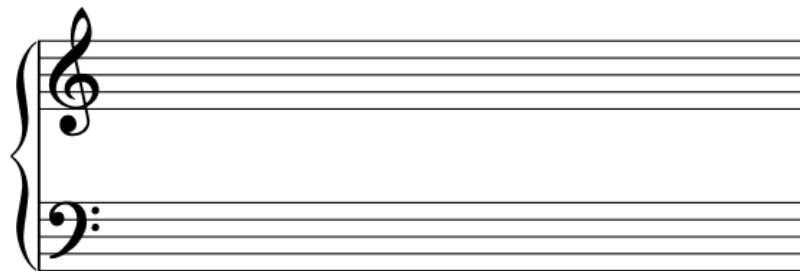
Bass Clef: F Clef



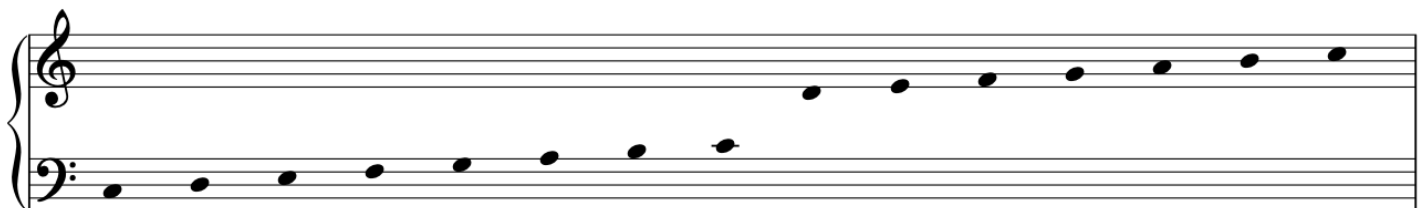
Further more, the staff is measured by the addition of bar lines signifying an interval and pace of time lapsed. This interval of time is referred to as the meter. The horizontal spaces between the vertical bar lines on the staff are called measures.



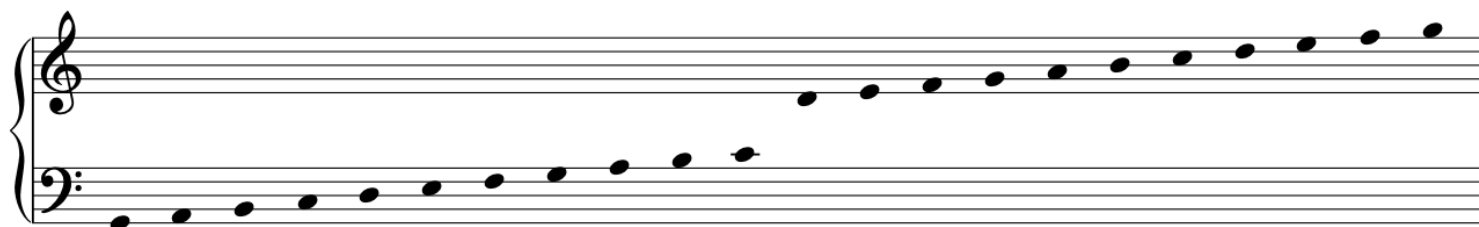
This is the Grand Staff.



The Three C's



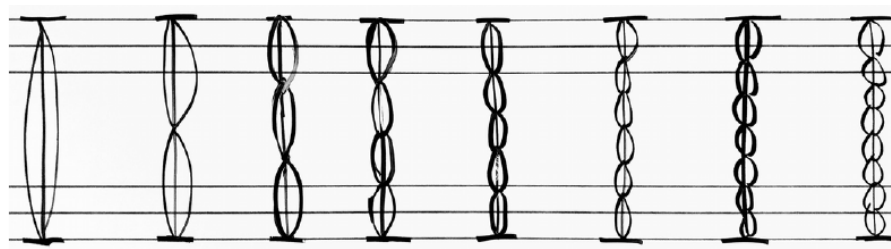
The Four G's



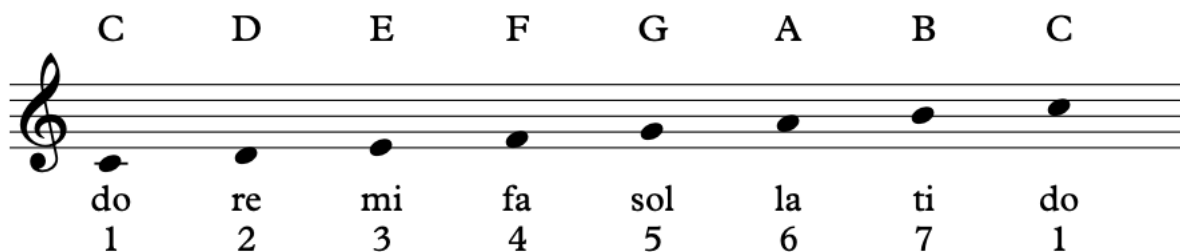
The Harmonic Series First 8 Ratios



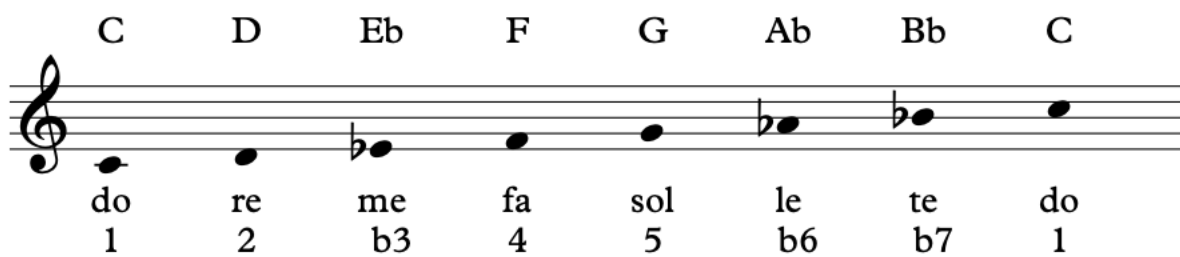
1:1 2:1 3:1 4:1 5:1 6:1 7:1 8:1



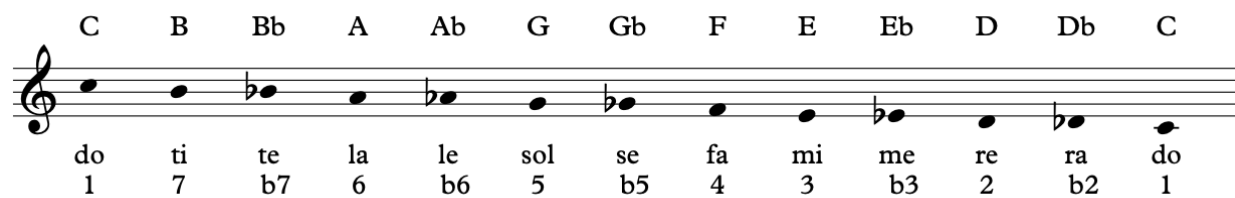
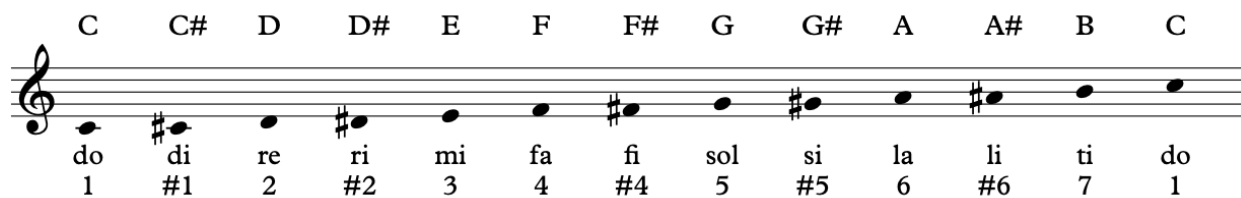
C Major Scale



C Minor Scale



C Chromatic Scale



Octave split every 2 half steps: C Whole Tone Scale

C D E F# G# A# C

do re mi fi si li do

1 2 3 #4 #5 #6 1

C Bb Ab Gb E D C

do te le se mi re do

1 b7 b6 b5 3 2 1

Octave split every 3 half steps: C Diminished

C Eb Gb A C

do me se la do

1 b3 b5 6 1

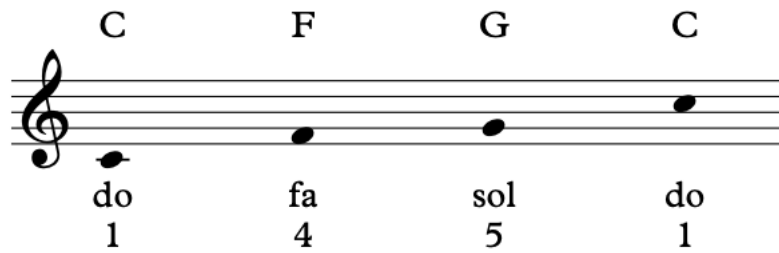
Octave split every 4 half steps: C Augmented

C E G# C

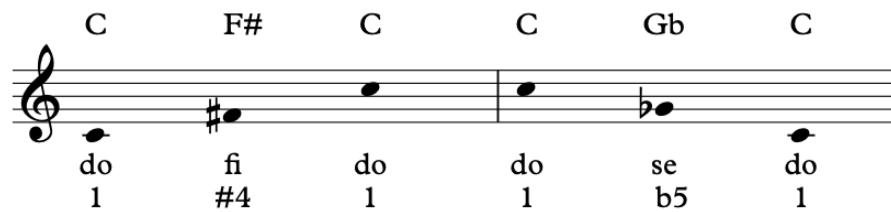
do mi si do

1 3 #5 1

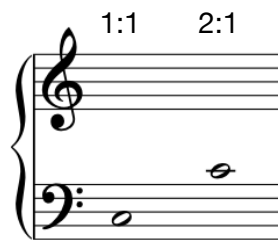
Octave split at mirrored 5 half steps: P4



Octave split every 6 half steps: Tritone



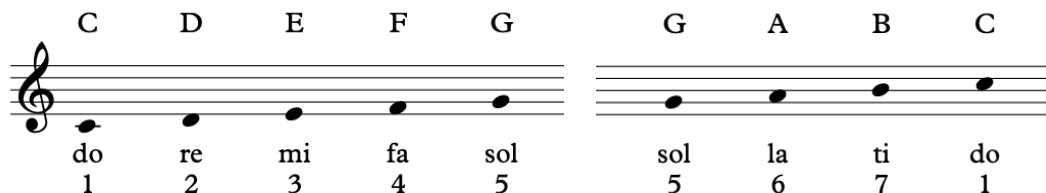
Tonic defined by the Fundamental and 2nd Ratio of the Harmonic Series.



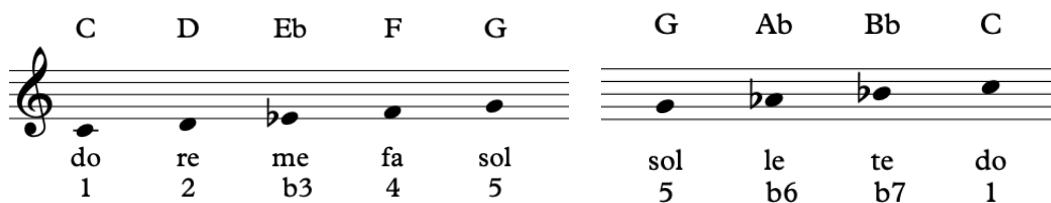
Dominant Defined by the 3rd Ratio of the Harmonic Series.



Dominant defined as 5th Scale Degree of Major Tonality. P5 or P4



Dominant defined as 5th Scale Degree of Minor Tonality. P5 or P4



Dominant defined as 7 half steps



Dominant defined as 5 half steps



Melodic Tetra Chordal Cadences in C Major

C D E F G A B C

do 1 re 2 mi 3 fa 4 sol 5 la 6 ti 7 do 1

Melodic Tetra Chordal Cadences in C Minor

C D Eb F G Ab Bb C

do 1 re 2 me b3 fa 4 sol 5 le b6 te b7 do 1

Harmonic Tetra Chordal Cadences in C Major

C D E F G A B C

do 1 I re 2 mi 3 fa 4 IV sol 5 V la 6 ti 7 do 1 I

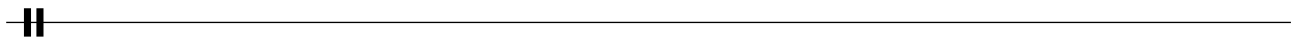
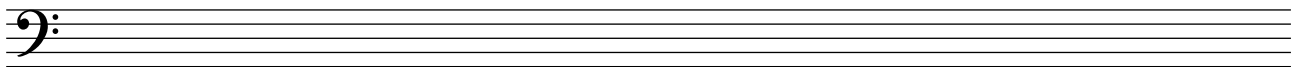
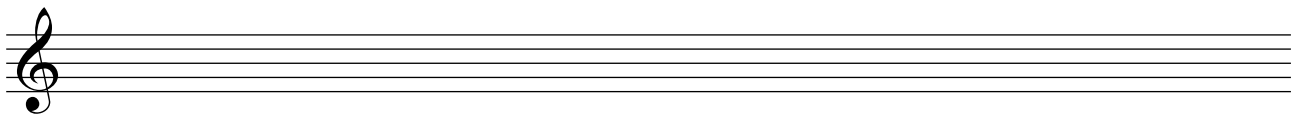
Harmonic Tetra Chordal Cadences in C Minor

c D Eb f G Ab Bb c

do 1 i re 2 me b3 fa 4 iv sol 5 V le b6 te b7 do 1 i

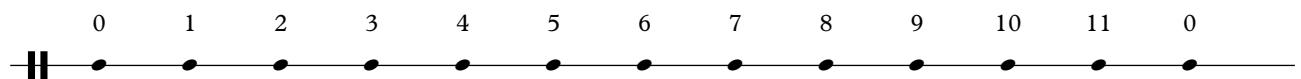
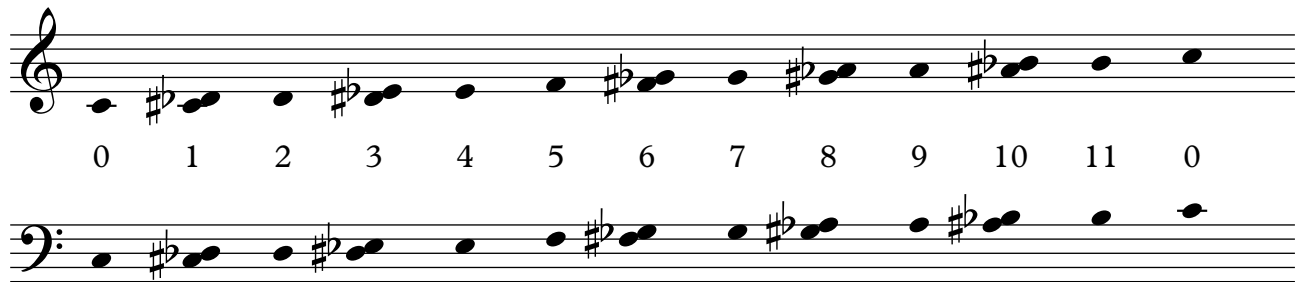
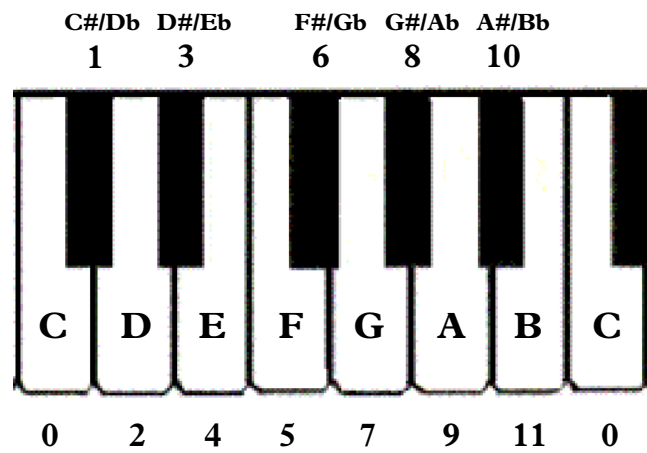
Keyboard

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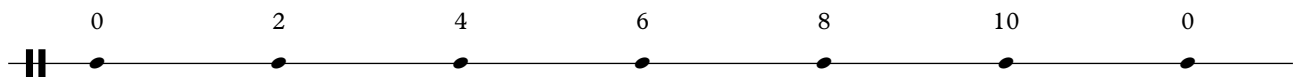
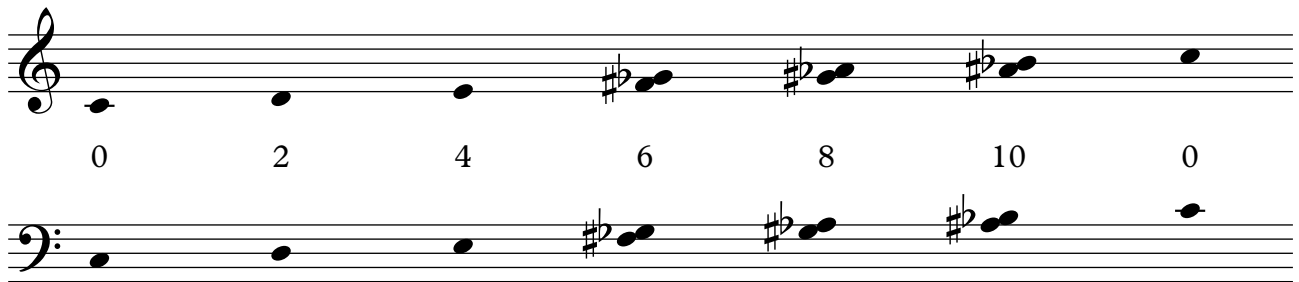
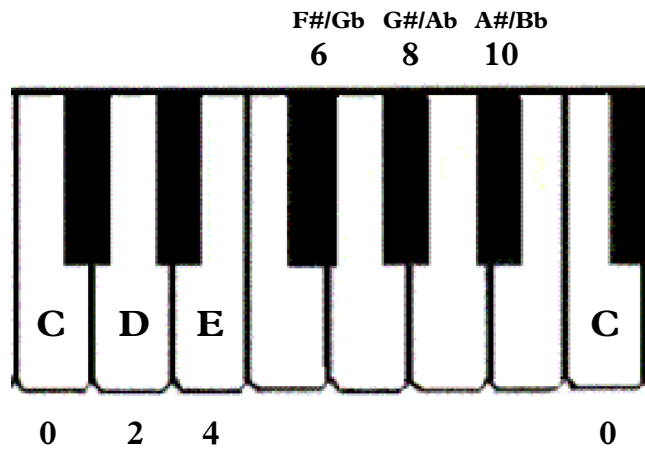
Chromatic

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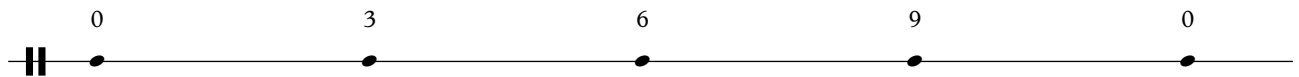
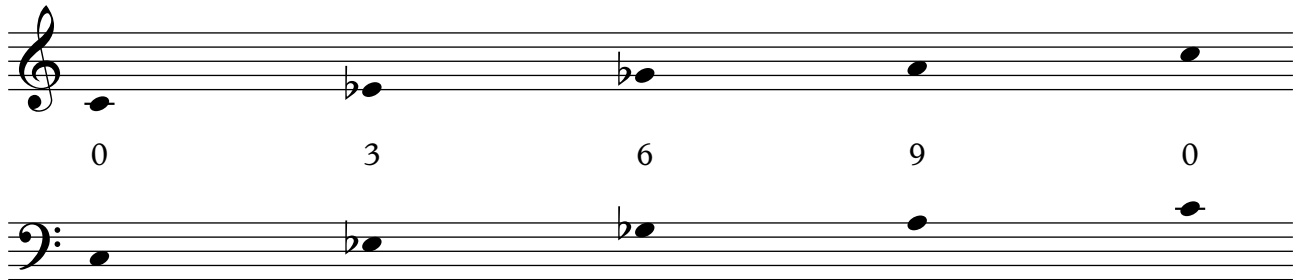
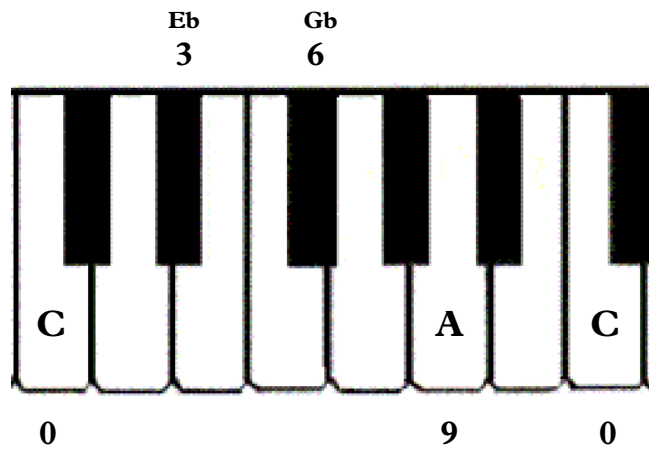
Whole Tone

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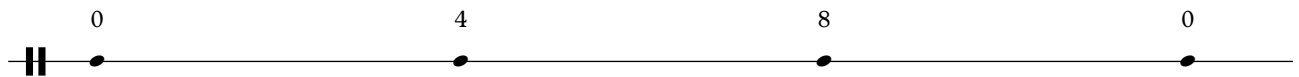
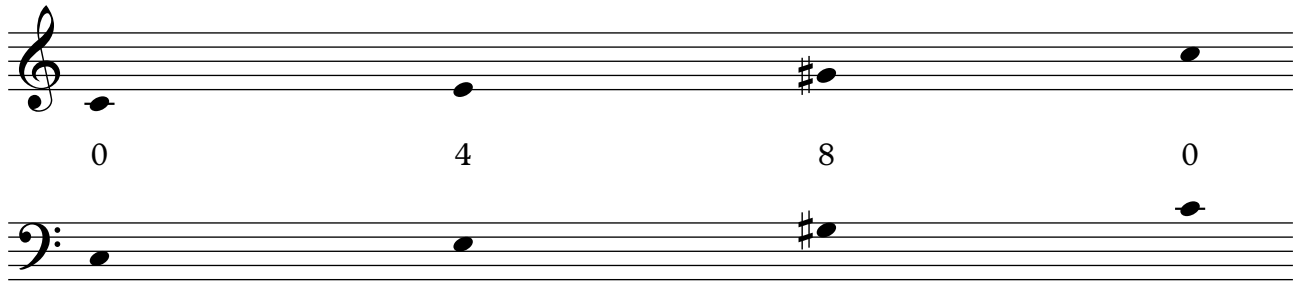
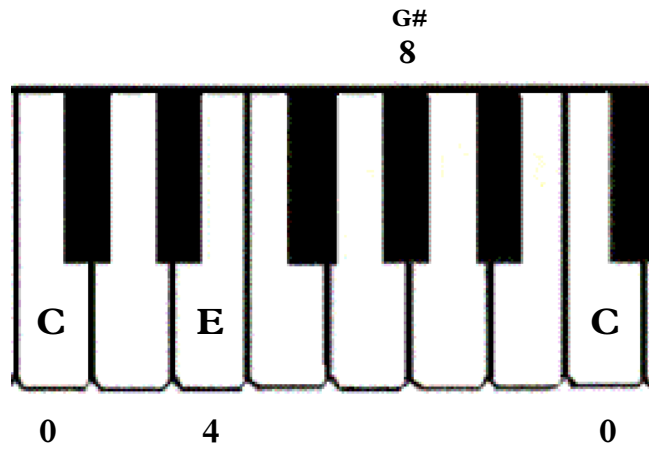
Diminished

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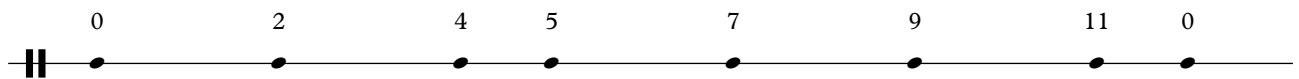
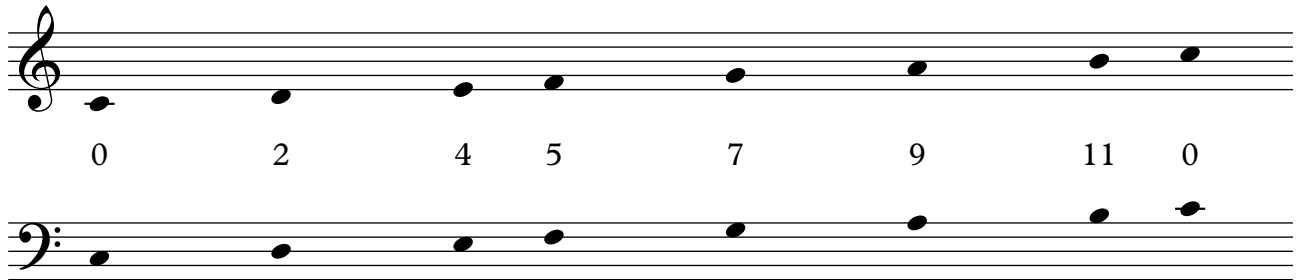
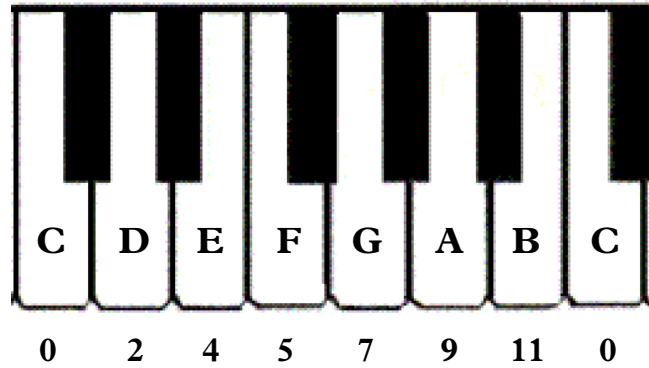
Augmented

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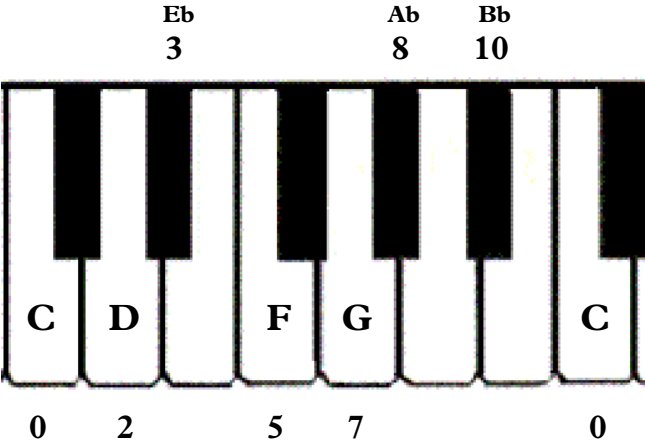
Major

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Natural Minor

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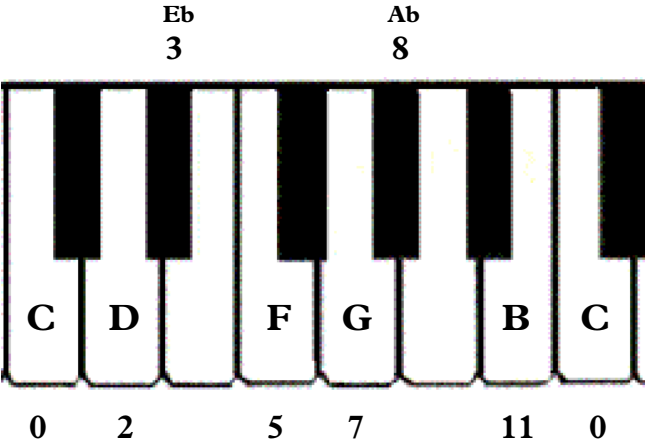


Musical notation for the Natural Minor scale in treble and bass clefs. The treble clef shows the scale from C4 to C5, and the bass clef shows the scale from C3 to C4. Fingering is indicated below each note.

Musical notation for the Natural Minor scale on a single line. The scale is C, D, Eb, F, G, Ab, Bb, C. Fingering is indicated above each note.

Harmonic Minor

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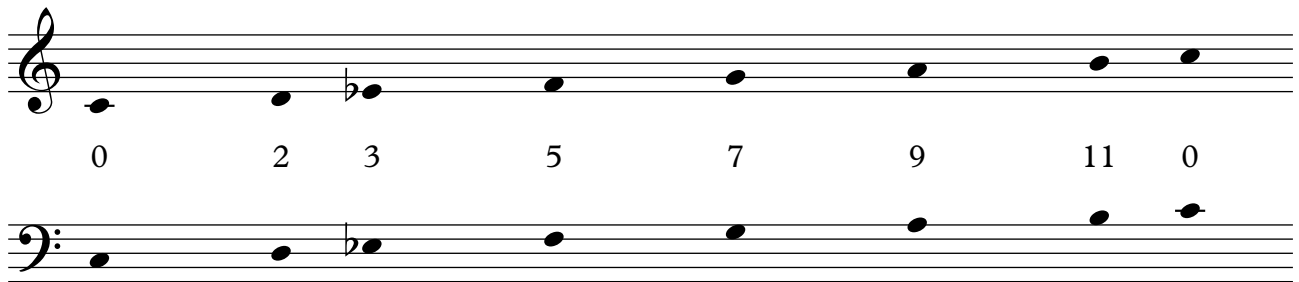
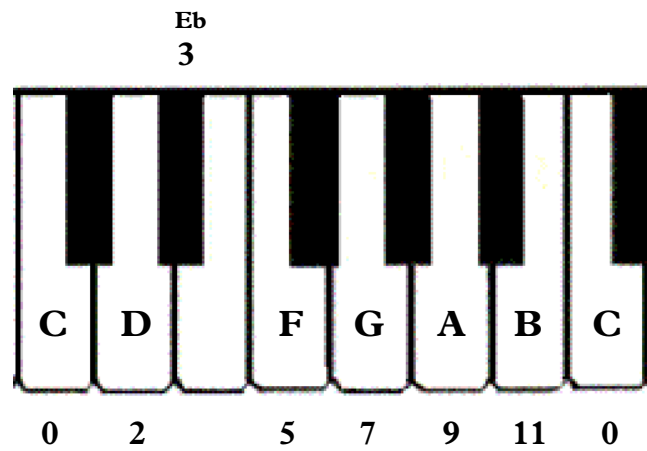


Musical notation for the C harmonic minor scale in treble and bass clefs. The treble clef staff shows the notes C, D, Eb, F, G, Ab, B, and C with fingering numbers 0, 2, 3, 5, 7, 8, 11, and 0 respectively. The bass clef staff shows the same notes with the same fingering numbers.

Musical notation for the C harmonic minor scale on a single line. The notes are C, D, Eb, F, G, Ab, B, and C with fingering numbers 0, 2, 3, 5, 7, 8, 11, and 0 respectively.

Melodic Minor

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Tetra-Chord

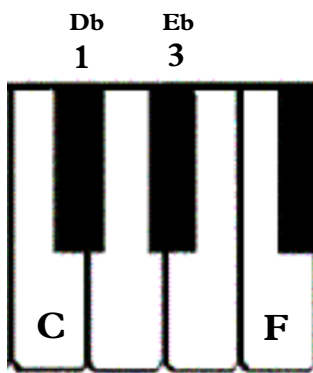
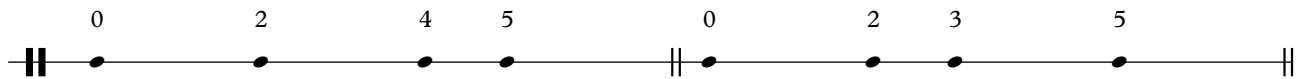
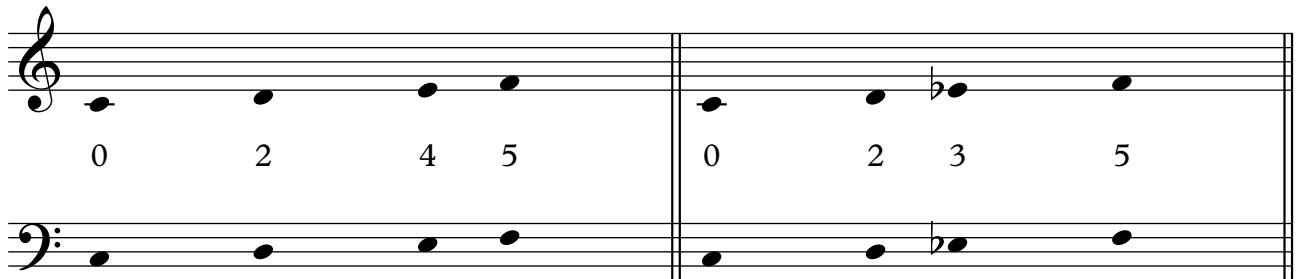
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0 2 4 5



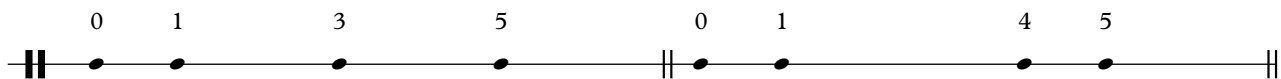
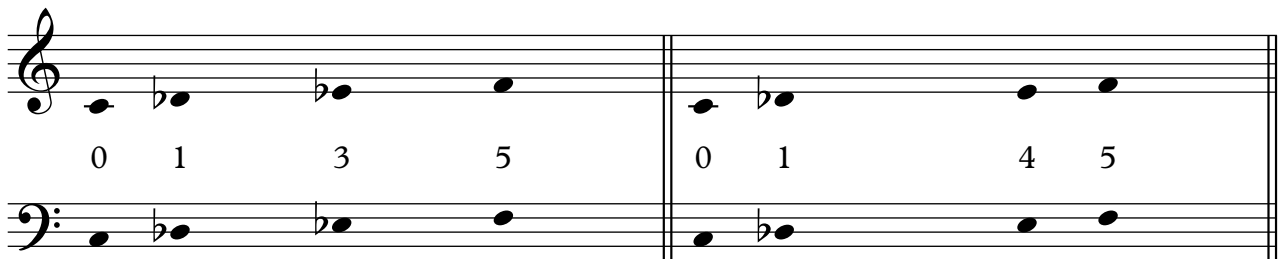
0 2 5

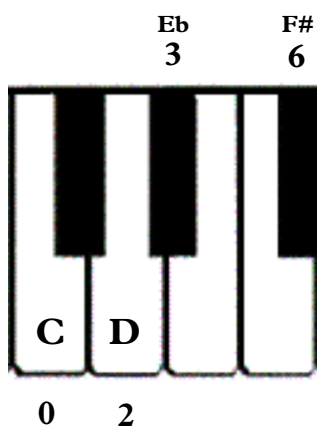
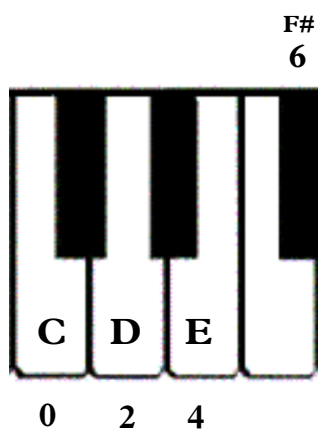


0 5

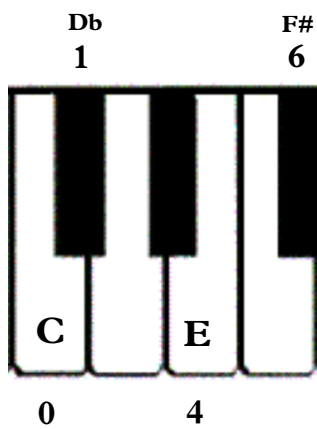
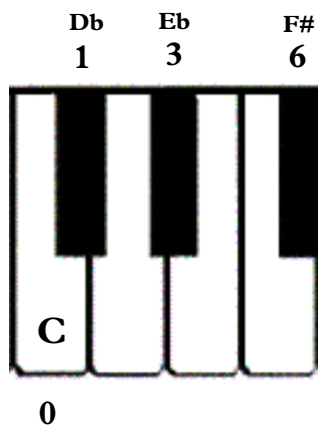


0 4 5

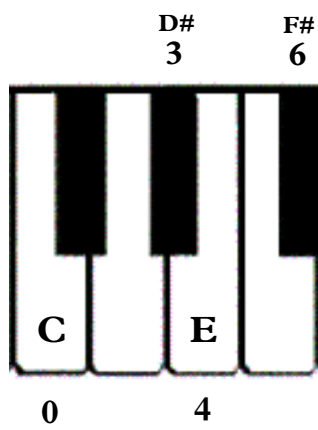




Musical notation for the first scale pattern. The treble clef staff shows notes C (0), D (2), E (4), and F# (6). The bass clef staff shows notes C (0), D (2), Eb (3), and F# (6). The guitar staff shows notes C (0), D (2), E (4), and F# (6).



Musical notation for the second scale pattern. The treble clef staff shows notes C (0), Eb (1), F# (3), and F# (6). The bass clef staff shows notes C (0), Eb (1), F# (4), and F# (6). The guitar staff shows notes C (0), Eb (1), F# (4), and F# (6).



Two staves of musical notation. The top staff is in Treble clef and the bottom staff is in Bass clef. Both staves show a sequence of notes with fingerings: 0, 3, 4, 6, followed by a double bar line, then 0, 2, 4, 5.

A single staff of musical notation showing notes and fingerings: 0, 3, 4, 6, followed by a double bar line, then 0, 2, 4, 5, followed by a double bar line.

Tonality

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Chromatic

A musical staff in treble clef showing a chromatic scale from C to C. The notes are: C, C#, D, D#, E, F, F#, G, G#, A, A#, B, C. Each note is accompanied by its letter name, solfège name, and a number from 0 to 11.

Letter	Solfège	Number
C	do	0
C#	di	1
D	re	2
D#	ri	3
E	mi	4
F	fa	5
F#	fi	6
G	sol	7
G#	si	8
A	la	9
A#	li	10
B	ti	11
C	do	0

Whole Tone

A musical staff in treble clef showing a whole tone scale from C to C. The notes are: C, D, E, F#, G#, A#, C. Each note is accompanied by its letter name, solfège name, and a number from 0 to 10.

Letter	Solfège	Number
C	do	0
D	re	2
E	mi	4
F#	fi	6
G#	si	8
A#	li	10
C	do	0

Diminished

A musical staff in treble clef showing a diminished scale from C to C. The notes are: C, Eb, F#, A, C. Each note is accompanied by its letter name, solfège name, and a number from 0 to 9.

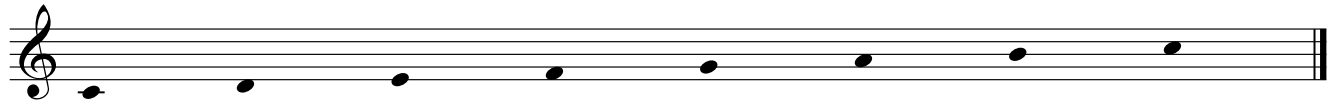
Letter	Solfège	Number
C	do	0
Eb	me	3
F#	fi	6
A	la	9
C	do	0

Augmented

A musical staff in treble clef with a 4/4 time signature showing an augmented scale from C to C. The notes are: C, E, G#, C. Each note is accompanied by its letter name, solfège name, and a number from 0 to 8.

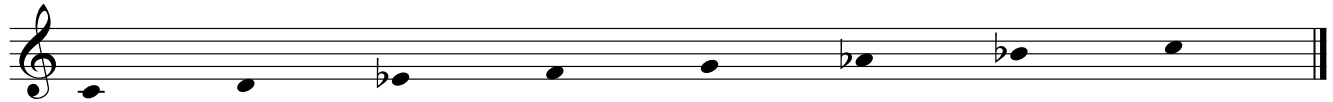
Letter	Solfège	Number
C	do	0
E	mi	4
G#	si	8
C	do	0

Major



C	D	E	F	G	A	B	C
do	re	mi	fa	sol	la	ti	do
1	2	3	4	5	6	7	1
Tonic	Super Tonic	Mediant	Sub Dominant	Dominant	Sub Mediant	Leading Tone	Tonic

Natural Minor



C	D	E $\flat$	F	G	A $\flat$	B $\flat$	C
do	re	me	fa	sol	le	te	do
1	2	3	4	5	6	7	1

Harmonic Minor



C	D	E $\flat$	F	G	A $\flat$	B	C
do	re	me	fa	sol	le	ti	do
1	2	3	4	5	6	$\wedge$ 7	1

Melodic Minor



C	D	E $\flat$	F	G	A	B	C
do	re	me	fa	sol	la	ti	do
1	2	3	4	5	$\wedge$ 6	$\wedge$ 7	1

Scale Reference

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C Major (Ionian)



C Natural Minor (Aeolian)



F Major (Ionian)



F Natural Minor (Aeolian)



Bb Major (Ionian)



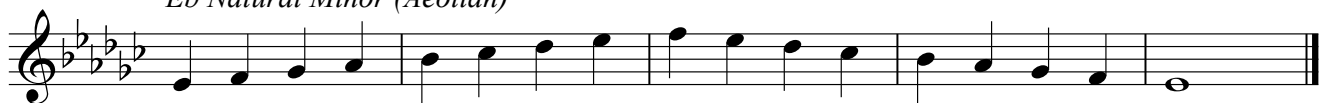
Bb Natural Minor (Aeolian)



Eb Major (Ionian)



Eb Natural Minor (Aeolian)



Ab Major (Ionian)



Ab Natural Minor (Aeolian)



Db Major (Ionian)



C# Major (Ionian)



C# Natural Minor (Aeolian)



F# Major (Ionian)



F# Natural Minor (Aeolian)



B Major (Ionian)



B Natural Minor (Aeolian)



E Major (Ionian)



E Natural Minor (Aeolian)



A Major (Ionian)



A Natural Minor (Aeolian)



D Major (Ionian)



D Natural Minor (Aeolian)



G Major (Ionian)



G Natural Minor (Aeolian)



Arpeggio Reference

JC Heisler

C Major (Ionian)



C Natural Minor (Aeolian)



F Major (Ionian)



F Natural Minor (Aeolian)



Bb Major (Ionian)



Bb Natural Minor (Aeolian)



Eb Major (Ionian)



Eb Natural Minor (Aeolian)



Ab Major (Ionian)



Ab Natural Minor (Aeolian)



Db Major (Ionian)



C# Major (Ionian)



C# Natural Minor (Aeolian)



F# Major (Ionian)



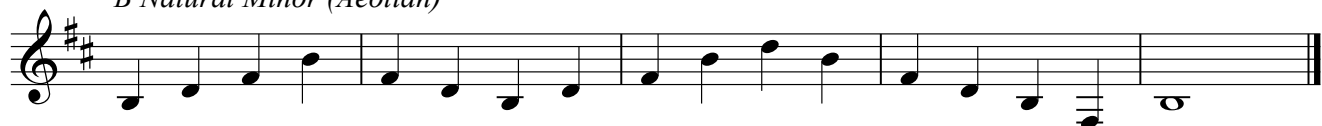
F# Natural Minor (Aeolian)



B Major (Ionian)



B Natural Minor (Aeolian)



E Major (Ionian)



E Natural Minor (Aeolian)



A Major (Ionian)



A Natural Minor (Aeolian)



D Major (Ionian)



D Natural Minor (Aeolian)



G Major (Ionian)



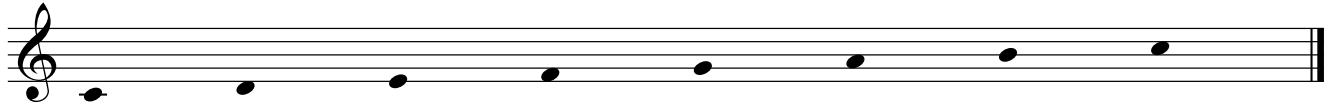
G Natural Minor (Aeolian)



Major & Minor Relationships

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C Major



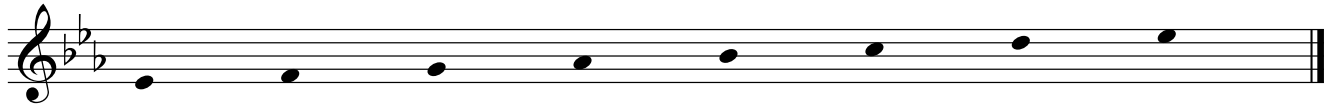
C	D	E	F	G	A	B	C
do	re	mi	fa	sol	la	ti	do
1	2	3	4	5	6	7	1
Tonic	Super Tonic	Mediant	Sub Dominant	Dominant	Sub Mediant	Leading Tone	Tonic

C Natural Minor: Parallel of C Major



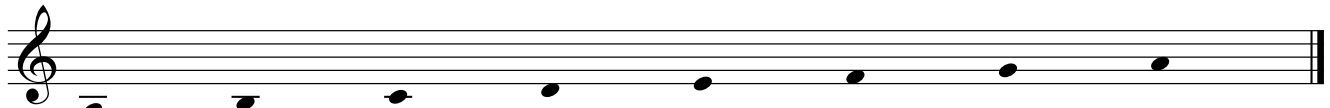
C	D	E ^b	F	G	A ^b	B ^b	C
do	re	me	fa	sol	le	te	do
1	2	3	4	5	6	7	1

E^b Major: Relative Major of C Minor



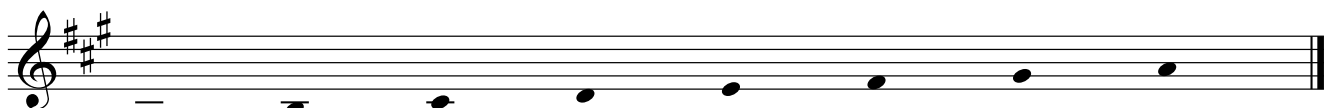
E ^b	F	G	A ^b	B ^b	C	D	E ^b
do	re	mi	fa	sol	la	ti	do
1	2	3	4	5	6	7	1

A Natural Minor: Relative of C Major



A	B	C	D	E	F	G	A
do	re	me	fa	sol	le	te	do
1	2	3	4	5	6	7	1

A Major: Parallel Major of A Natural Minor



A	B	C [#]	D	E	F [#]	G [#]	A
do	re	mi	fa	sol	la	ti	do
1	2	3	4	5	6	7	1

Melodic Choreography

Non Harmonic Tones

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① ② ③ ④

Passing Tone Double Passing Tone Upper Neighbor Tone Lower Neighbor Tone

Detailed description: This block contains the first four measures of a musical exercise in 4/4 time. Measure 1 (①) shows a 'Passing Tone' with a half note G4 and a quarter note A4. Measure 2 (②) shows a 'Double Passing Tone' with a half note G4, a quarter note A4, and a quarter note B4. Measure 3 (③) shows an 'Upper Neighbor Tone' with a half note G4 and a quarter note A4. Measure 4 (④) shows a 'Lower Neighbor Tone' with a half note G4 and a quarter note F#4. The bass line consists of whole notes: C4, F3, C4, F3.

⑤ ⑥ ⑦ ⑧

Double Neighbor Tone Anticipation Escape Tone Cambiata

Detailed description: This block contains measures 5 through 8. Measure 5 (⑤) shows a 'Double Neighbor Tone' with a half note G4, a quarter note A4, and a quarter note B4. Measure 6 (⑥) shows 'Anticipation' with a half note G4 and a quarter note A4. Measure 7 (⑦) shows an 'Escape Tone' with a half note G4 and a quarter note A4. Measure 8 (⑧) shows a 'Cambiata' with a half note G4 and a quarter note A4. The bass line consists of whole notes: C4, F3, C4, F3.

⑨ ⑩ ⑪ ⑫

Appoggiatura Ritardation Suspension Ritardation

Detailed description: This block contains measures 9 through 12. Measure 9 (⑨) shows an 'Appoggiatura' with a half note G4 and a quarter note A4. Measure 10 (⑩) shows 'Ritardation' with a half note G4 and a quarter note A4. Measure 11 (⑪) shows a 'Suspension' with a half note G4 and a quarter note A4. Measure 12 (⑫) shows 'Ritardation' with a half note G4 and a quarter note A4. The bass line consists of whole notes: C4, F3, C4, F3.

⑬ ⑭ ⑮ ⑯

Free NT Accented PT Accented UNT Accented LNT

Detailed description: This block contains measures 13 through 16. Measure 13 (⑬) shows a 'Free NT' with a half note G4 and a quarter note A4. Measure 14 (⑭) shows an 'Accented PT' with a half note G4 and a quarter note A4. Measure 15 (⑮) shows an 'Accented UNT' with a half note G4 and a quarter note A4. Measure 16 (⑯) shows an 'Accented LNT' with a half note G4 and a quarter note A4. The bass line consists of whole notes: C4, F3, C4, F3.

Trumpet Diatonics

Twelve Views to Mastery

JC Heisler

1 2 34 1 2 3 4 1234

1. Rythm

A musical staff in B-flat major showing a sequence of notes with rhythmic values: quarter, quarter, half, quarter, quarter, quarter, quarter, and half. The notes are F, A, C, G, Bb, D, E, and F.

1 2 1 2 1 2 1 2

2. Dyad

A musical staff in B-flat major showing a sequence of notes with rhythmic values: quarter, quarter, half, quarter, quarter, quarter, quarter, and half. The notes are F, A, C, G, Bb, D, E, and F.

1 12 0 0 1 1 0 1

3. Fingerings

A musical staff in B-flat major showing a sequence of notes with rhythmic values: quarter, quarter, half, quarter, quarter, quarter, quarter, and half. The notes are F, A, C, G, Bb, D, E, and F.

F A C G Bb D E F

4. Note Name

A musical staff in B-flat major showing a sequence of notes with rhythmic values: quarter, quarter, half, quarter, quarter, quarter, quarter, and half. The notes are F, A, C, G, Bb, D, E, and F.

do mi sol re fa la ti do

5. Movable 'Do'

A musical staff in B-flat major showing a sequence of notes with rhythmic values: quarter, quarter, half, quarter, quarter, quarter, quarter, and half. The notes are F, A, C, G, Bb, D, E, and F.

1 3 5 2 4 6 7 1

6. Scale Degrees

A musical staff in B-flat major showing a sequence of notes with rhythmic values: quarter, quarter, half, quarter, quarter, quarter, quarter, and half. The notes are F, A, C, G, Bb, D, E, and F.

M3 m3 P4 m3 M3 M2 m2

7. Interval

A musical staff in B-flat major showing a sequence of notes with rhythmic values: quarter, quarter, half, quarter, quarter, quarter, quarter, and half. The notes are F, A, C, G, Bb, D, E, and F.

fa la do sol te re mi fa

8. Fixed 'Do'

5 9 0 7 t 2 4 5

9. Pitch Class

10. Articulation

Tonic Mediant Dominant Super Tonic Sub Mediant Tonic

Sub Dominant Leading Tone

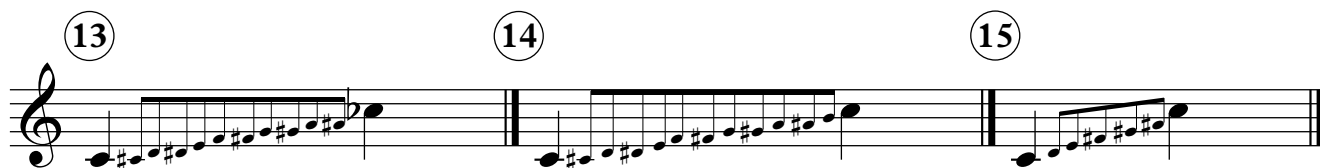
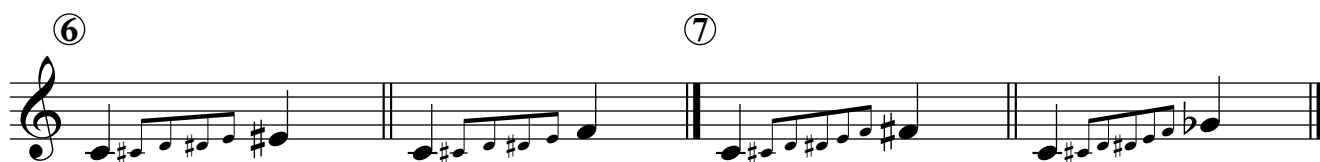
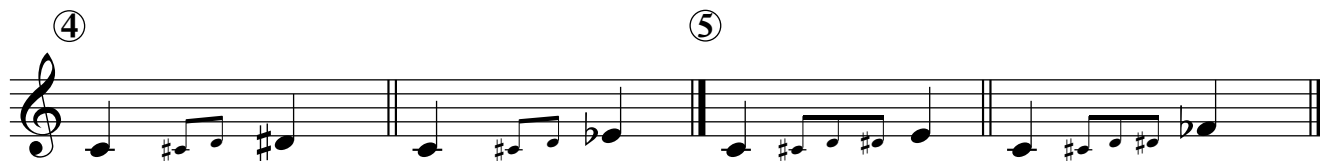
11. Scale Degree Function

12. Rhythmic Variations

Additional Rhythmic Variations

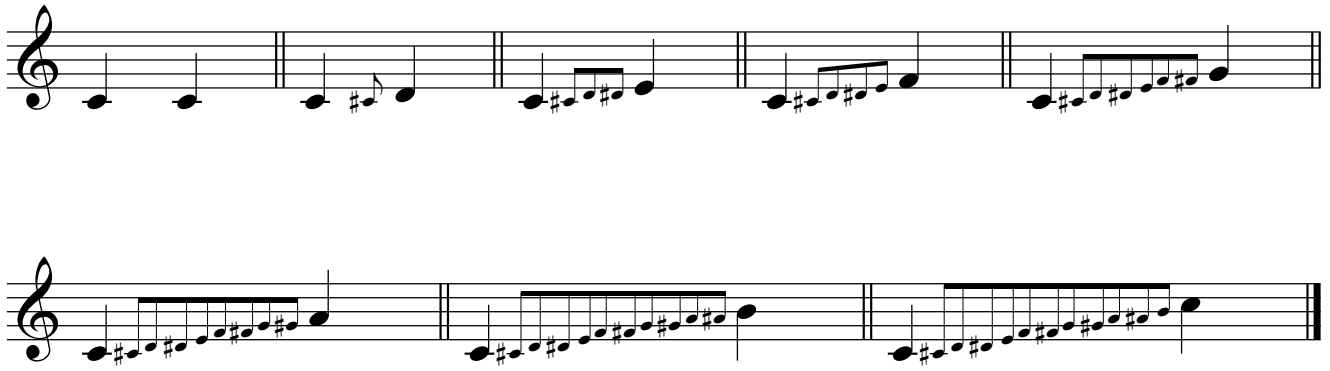
Chromatic Intervals

JC Heisler



Diatonic Intervallic Analysis

①



②



③



④



⑤



⑥



Thesis on Melodic Cadences

JC Heisler

① *Harmonic Series*

② *Perfect Octave* *Octave at the Chromatic Semitones*

Octave at the Wholetones *Octave at the Tritones*

Octave at the P4ths *Octave at the P5ths*

Octave at the M3rds *Octave at the m3rds*

③ *Ocatave at the Major Tonality* *Ocatave at the Natural Minor Tonality*

Ocatave at the Harmonic Minor Tonality *Ocatave at the Melodic Minor Tonality*

④ *Major Tetrachord at P4th* *Minor Tetrachord at P4th* *Phrygian Tetrachord at P4th* *Harmonic Tetrachord at P4th*

Lydian Tetrachord at A4th ⑤ *Major Pentachord at P5th* *Lydian Pentachord at P5th*

Minor Pentachord at P5th *Harmonic Pentachord at P5th* *Whole Tone Pentachord at A5th*

Theory

JC Heisler

Scale Degrees

1 2 3 4 5 6 7 1 (8)

C Major: Tonic Super Tonic Mediant Sub Dominant Dominant Sub Mediant Leading Tone Tonic

Diatonic Intervals

P Unison M 2nd M 3rd P 4th P 5th M 6th M 7th P Octave

P Unison m 2nd m 3rd P 4th P 5th m 6th m 7th P Octave

Arpeggios

1 3 5 1

C Major Arpeggio

Triad

Root 3rd 5th

C Major: Arpeggio, Broken Chord, Melodic Triad C Major: Chord, Harmonic Triad

4 Qualities of Triads

C R 3 5 C- R b3 5 C° R b3 b5 C+ R 3 #5

C Major Chord & Triad C Minor Chord & Triad C Diminished Chord & Triad C Augmented Chord & Triad

Diatonic Triads

1 2 3 4 5 6 7 1

I C ii d iii e IV F V G vi a vii° b° I C

Triad Inversions

Root Position: R 3 5, I 5/3

First Inversion: 3 5 R, I 6

Second Inversion: 5 R 3, I 6/4

Seventh Chords

C Major Seventh Arpeggio

C Major Seventh: Arpeggio, Broken Chord, Melodic Seventh

C Major Seventh: Chord, Harmonic Seventh

5 Common Qualities of Seventh Chords

C Major Seven: C^{Δ7}, R 3 5 7

C Dominant Seven: C⁷, R 3 5 b7

C Minor Seven: C^{min7}, R b3 5 b7

C Half Diminished Seven: C^{ø7}, R b3 b5 b7

C Fully Diminished Seven: C^{o7}, R b3 b5 bb7

Diatonic Seventh Chords

I Maj7: CMaj7

ii-7: dm7

iii-7: em7

IV Maj7: FMaj7

V7: G7

vi-7: am7

vii-7(b5): bØ7

I Maj7: CMaj7

Seventh Chord Inversions

Root Position: R 3 5 7, V 7

First Inversion: 3 5 7 R, V 6/5

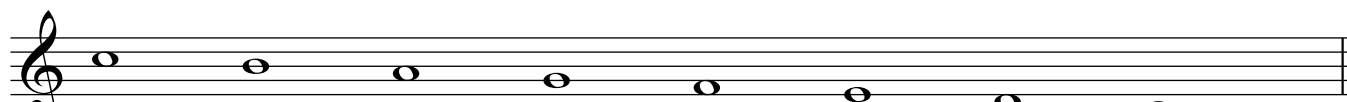
Second Inversion: 5 7 R 3, V 4/3

Third Inversion: 7 R 3 5, V 4/2

Melody to Harmony

JC Heisler

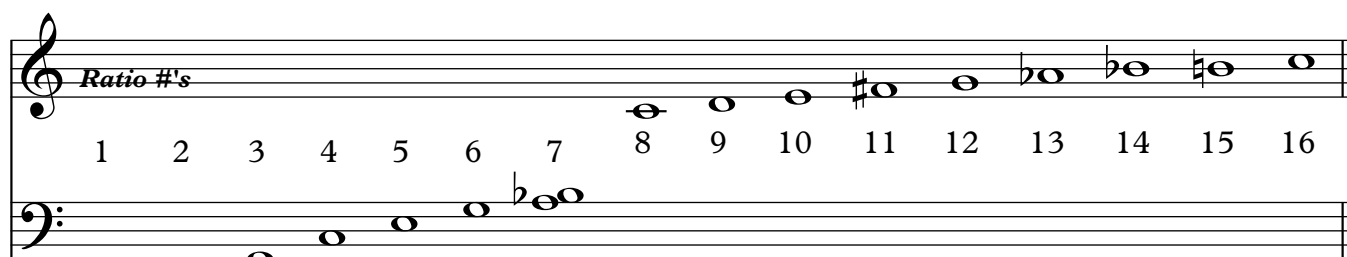
C Major Tonality



1 7 6 5 4 3 2 1

Scale Degrees

Harmonic Series



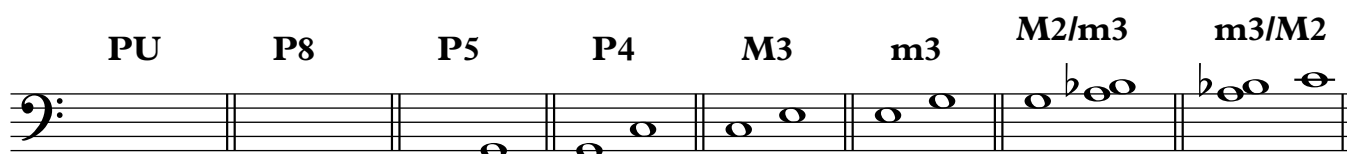
Ratio #'s

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16



Fundamental

Tonality Defined by the Harmonic Series Intervals



PU P8 P5 P4 M3 m3 M2/m3 m3/M2

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

C Major Tonality Defined by the Harmonic Series Intervals



PU P8 P5 P4 M3 m3 M2/m3 m3/M2

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

Tonal Harmonic Patterns found in the Harmonic Series Ratios 3 - 7

C Major Triad *C Major 6* *C Dominant 7* *C 2nd Inv.* *e diminished*

4 : 5 : 6 4 : 5 : 6 : 7 4 : 5 : 6 : 7 3 : 4 : 5 5 : 6 : 7

Melodic Cadences found in the C Major Tonality

7 → 1 6 → 5 4 → 3 2 → 1

Tonic *Dominant* *Tonic*

Fundamental Dominant - Tonic Melodic Cadencing in C Major

P5 Down **P4 Up** **m2 Up** **m2 Down** **M2 Down** **M2 Down**

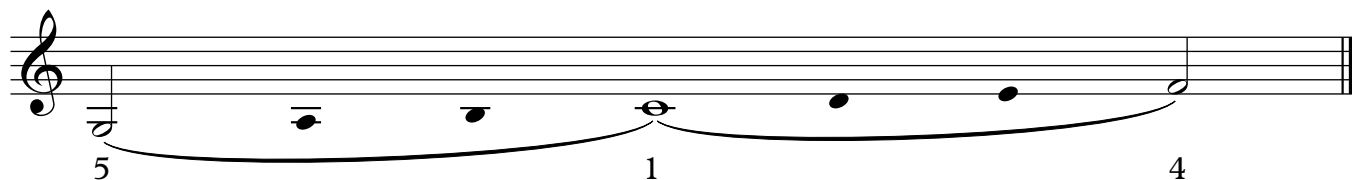
5 1 5 1 7 1 4 3 2 1 6 5

Fundamental Choreography of Tonal Cadencing

Tetrachordal Cadences *Pentachordal Cadences*

1 4 5 1 1 5 4 1

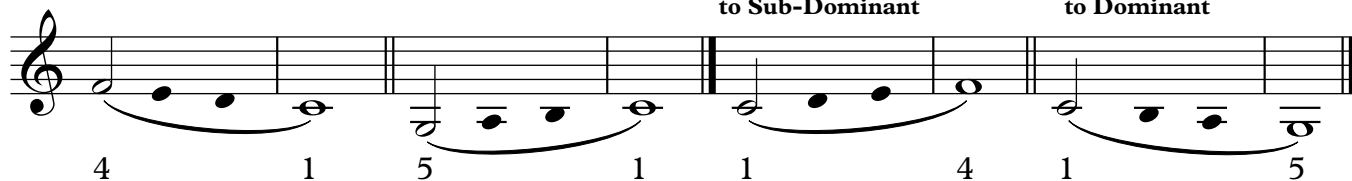
Tetrachordal Cadencing



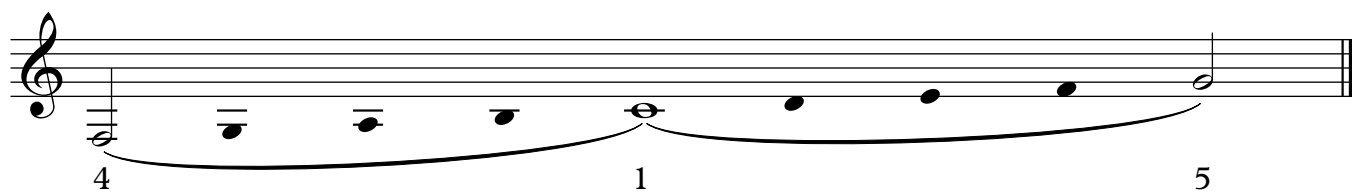
**Fundamental Choreography of
Diatonic Cadencing to Tonic**

**Fundamental Choreography
of Diatonic Cadencing
to Sub-Dominant**

**Fundamental Choreography
of Diatonic Cadencing
to Dominant**



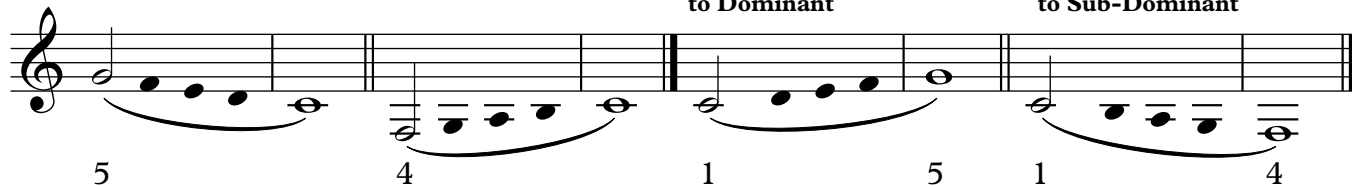
Pentachordal Cadencing



**Fundamental Choreography of
Diatonic Cadencing to Tonic**

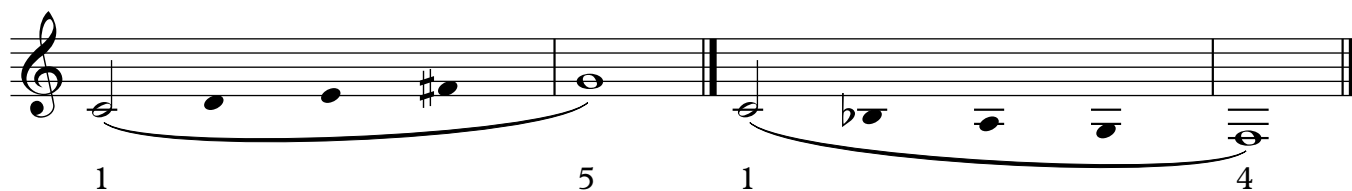
**Fundamental Choreography
of Diatonic Cadencing
to Dominant**

**Fundamental Choreography
of Diatonic Cadencing
to Sub-Dominant**

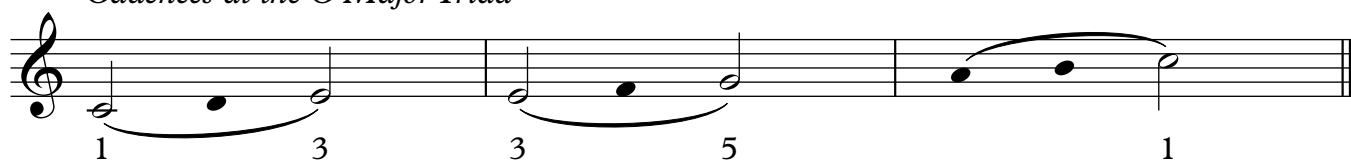


**Fundamental Choreography
of Cadencing to Tonicize Dominant**

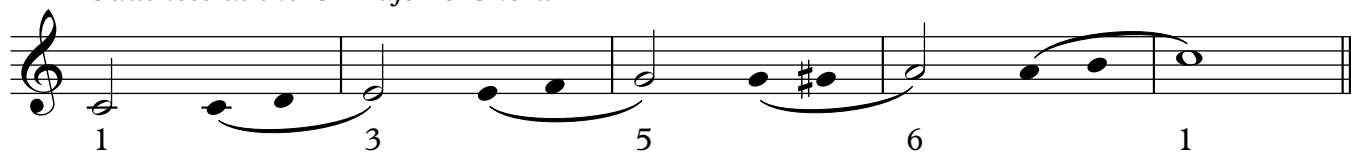
**Fundamental Choreography
of Cadencing to Tonicize Sub-Dominant**



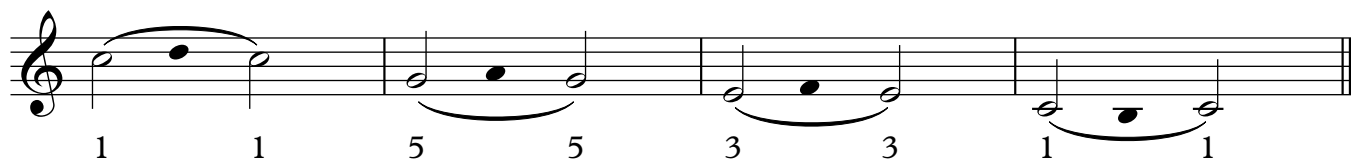
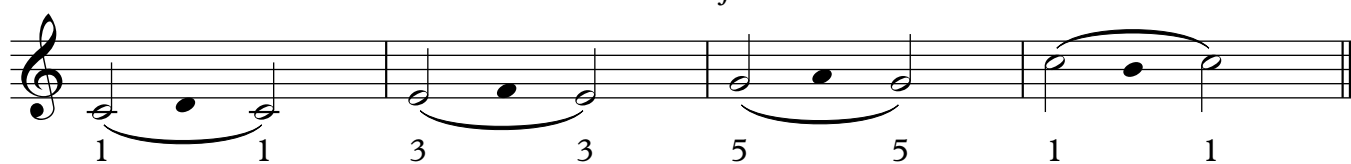
Cadences at the C Major Triad



Cadences at the C Major 6 Chord



Tonic to Dominant Cadences within the C Major Scale



Major



Minor



Tonal Melodic Voice Leading Sources

Voice 1 *Voice 2*

1 5 3 1 3 1 5 3

Voice 3 *Voices 1 and 2*

5 3 1 5 3 1 5 3 1

Voices 2 and 3 *Voices 1 and 3*

5 3 1 5 5 3 5 3 5 1 3 5 1

Harmonic Voice Leading Cadences

3 Notes Move to Resolve to Tonic (No Common Tones)

Voices 1, 2, and 3

5 3 5 1 5 5 4 → 5 6 → 5
3 1 3 3 3 2 → 3 4 → 3
1 1 1 1 1 7 → 1 2 → 1

2 Notes Move Up to Resolve to Tonic (1 Common Tone)

2 Notes Move Down to Resolve to Tonic (1 Common Tone)

2 → 3 5 5 7 → 1 1 1 6 → 5 4 → 3
7 → 1 2 → 3 5 5 6 → 5 4 → 3 1 1
5 5 7 → 1 2 → 3 4 → 3 1 1 6 → 5

1 Note Moves Down to Resolve to Tonic (2 Common Tones)

1 Note Moves Up to Resolve to Tonic (2 Common Tones)

3 3 1 1 6 → 5 7 → 1 3 3 5 5
1 1 6 → 5 3 3 5 5 7 → 1 3 3
6 → 5 3 3 1 1 3 3 5 5 7 → 1

Voice 4 *Voices 1, 2, 3, and 4*

5 3 1 5 3 5 3 5 1 5

3 3 1 3 3 1 3 1

1 1 1 1 1 1 1 1

Harmonic Voice Leading Cadences

1 Note Moves to Resolve to Tonic (3 Common Tones) *4 Notes Resolve* *3 Notes Move to Resolve to Tonic (1 Common Tone)*

7 → 1 7 → 6 6 → 1 4 → 3 1 → 1

5 → 5 5 → 5 4 → 5 2 → 1 6 → 5

3 → 3 3 → 3 2 → 3 7 → 5 4 → 3

1 → 1 1 → 1 7 → 1 5 → (1) 2 → 1

2 Notes Move to Resolve to Tonic (2 Common Tones) *1 Note Moves to Resolve to Tonic (3 Common Tones)*

3 → 3 2 → 3 5 → 5 7 → 1 5 → (6)

1 → 1 7 → 1 3 → 3 5 → 5 3 → 5

6 → 5 5 → 5 1 → 1 3 → 3 1 → 1

4 → 3 3 → 3 6 → 5 1 → 1 6 → 5

Bass Movements

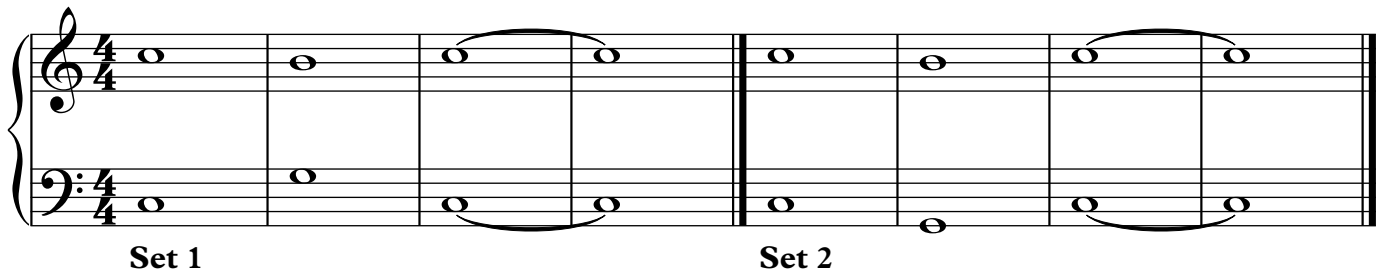
JC Heisler

The Fundamental Theme of Tonal Resolution: Tonic - Dominant - Tonic



① Bass Movements

②

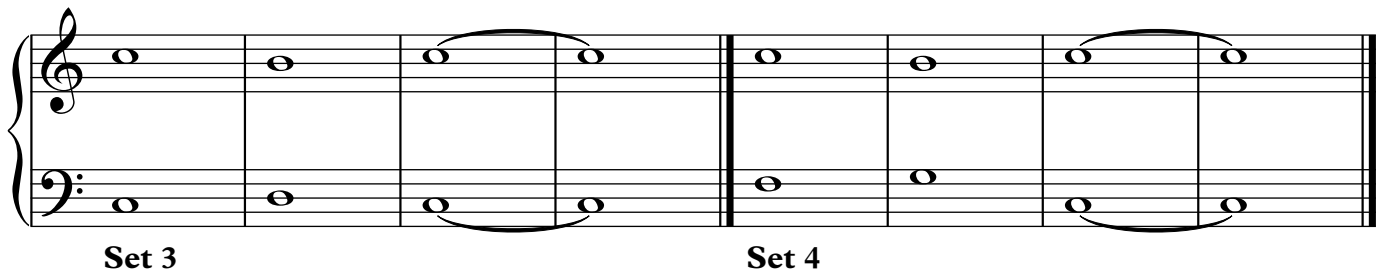


Set 1

Set 2

③

④

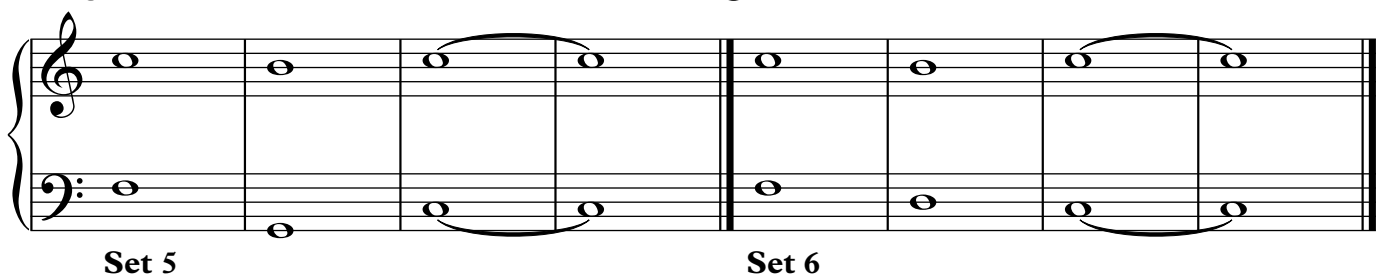


Set 3

Set 4

⑤

⑥

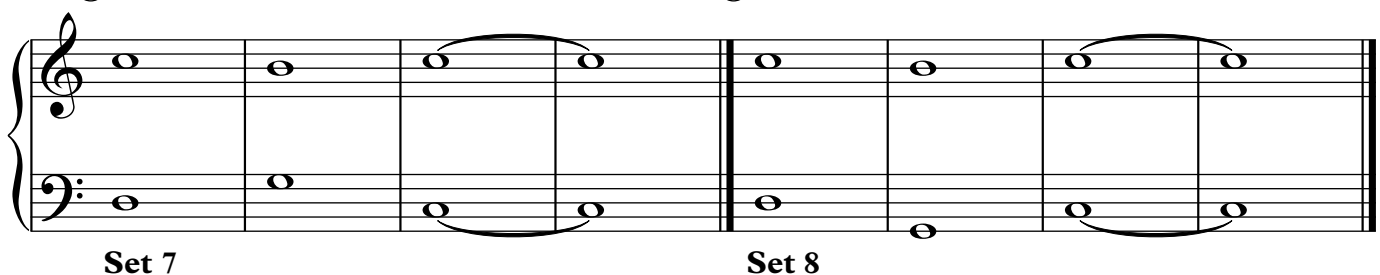


Set 5

Set 6

⑦

⑧



Set 7

Set 8

① Set 1

① Set 1

② Set 2

Measure 3: Treble clef, G4 (quarter), A4 (quarter), B4 (quarter), C5 (quarter). Bass clef, G3 (quarter), A3 (quarter), B3 (quarter), C4 (quarter). Measure 4: Treble clef, D5 (quarter), E5 (quarter), F5 (quarter), G5 (quarter). Bass clef, D4 (quarter), E4 (quarter), F4 (quarter), G4 (quarter). A double bar line follows measure 4.

① Set 2

②

The second system of the exercise, labeled 3 and 4, continues the pattern. It consists of two measures. The first measure (labeled 3) shows the right hand playing a half note G4 and the left hand playing a half note E3. The second measure (labeled 4) shows the right hand playing a half note A4 and the left hand playing a half note F3. The system concludes with a double bar line.

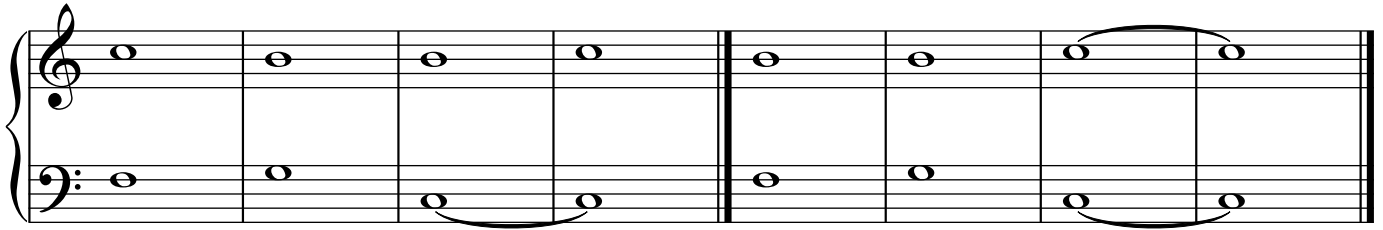
① Set 3

②

The second part of the exercise consists of measures 3 and 4. Measure 3 is marked with a circled '3' and contains a half note G4 in the treble and a half note E3 in the bass. Measure 4 is marked with a circled '4' and contains a half note A4 in the treble and a half note F3 in the bass. A double bar line separates the two measures.

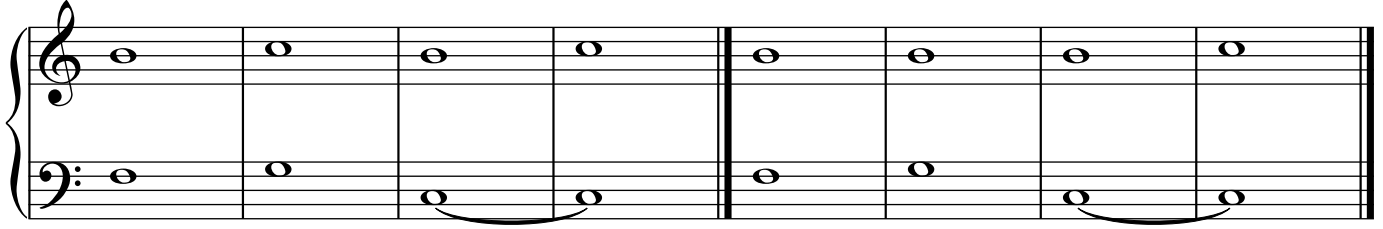
① Set 4

②



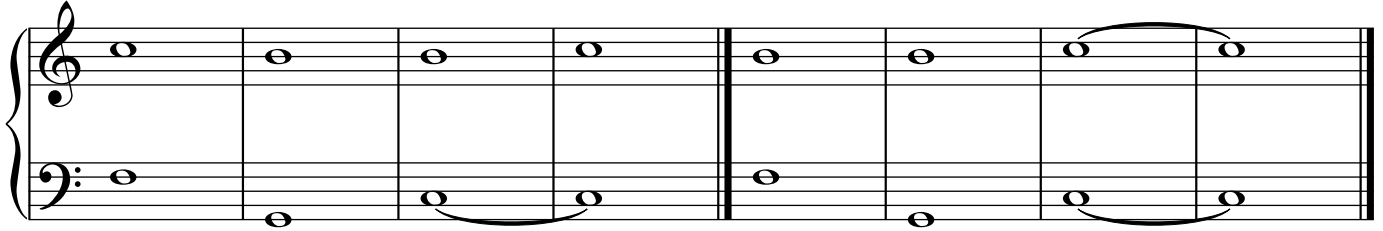
③

④



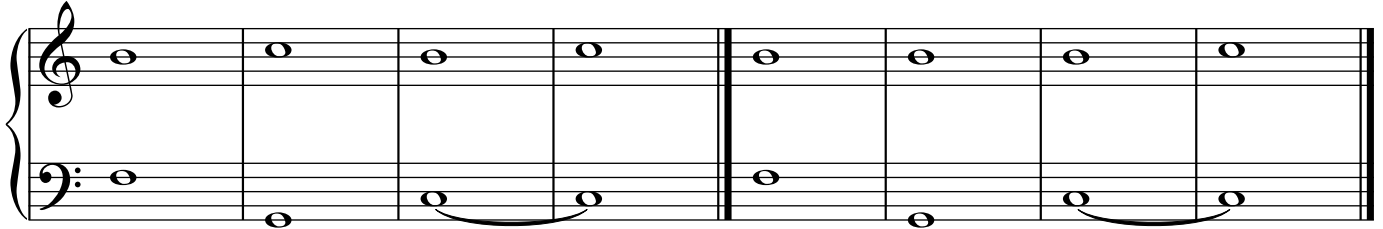
① Set 5

②



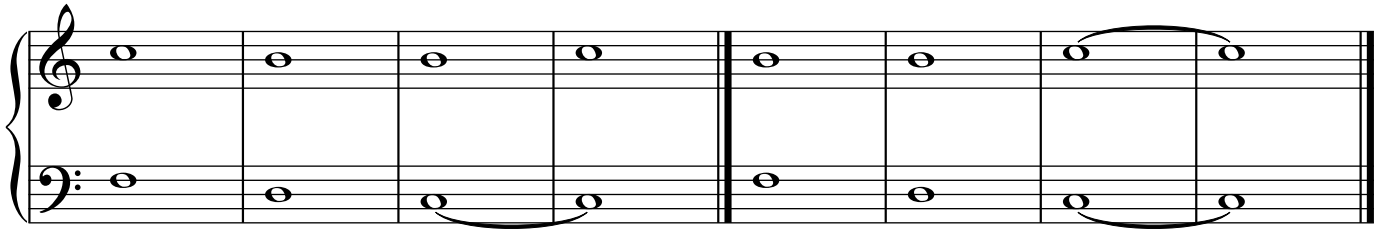
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④



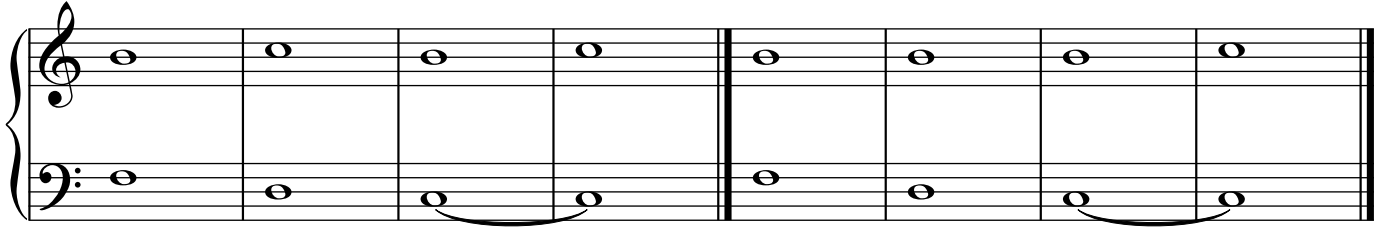
① Set 6

②



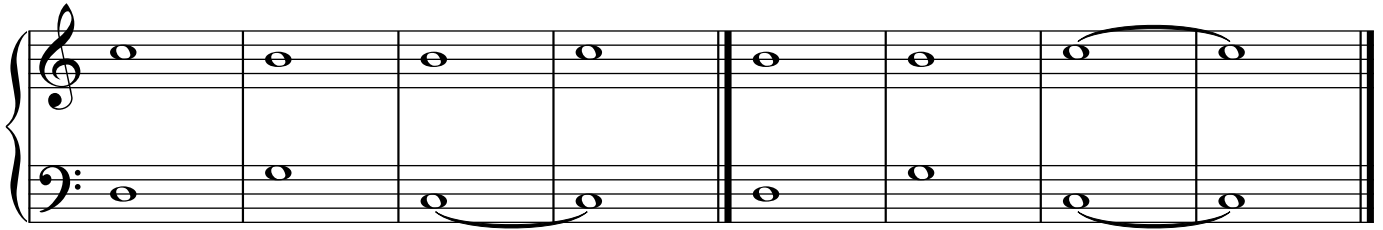
③

④



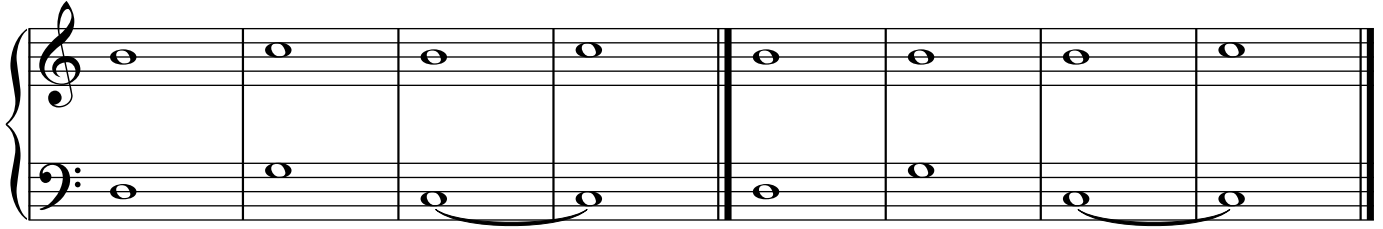
① Set 7

②



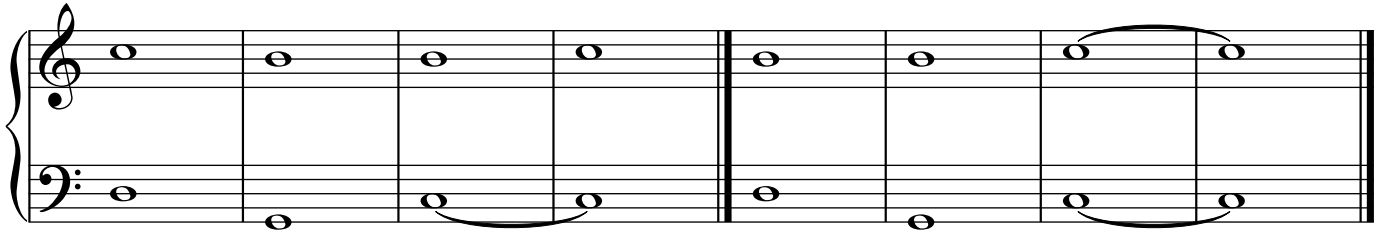
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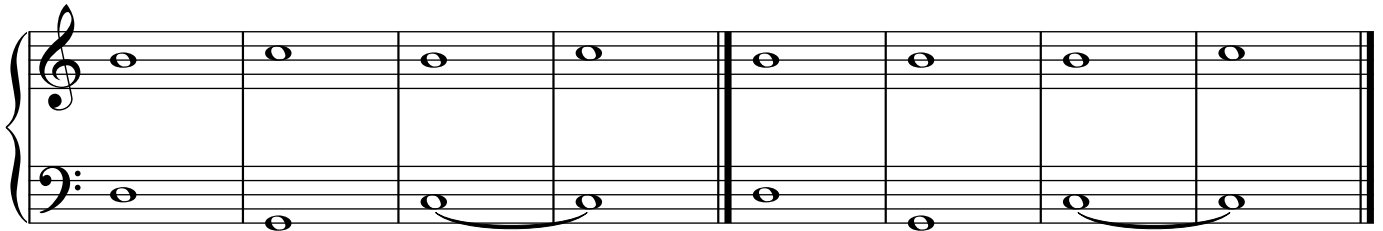
① Set 8

②



③

④



Other Bass Movements

①

②

Exercise 1 and 2 are presented on a grand staff with a 4/4 time signature. Exercise 1 (measures 1-4) features a treble staff with a half note G4, a half note A4, and a half note B4, each tied to the next measure. The bass staff has a half note G3, a half note A3, and a half note B3, each tied to the next measure. Exercise 2 (measures 5-8) continues the same pattern, with the treble staff having a half note C5, a half note D5, and a half note E5, and the bass staff having a half note C4, a half note D4, and a half note E4, all tied across measures.

③

④

Exercise 3 and 4 are presented on a grand staff with a 4/4 time signature. Exercise 3 (measures 1-4) features a treble staff with a half note G4, a half note A4, and a half note B4, each tied to the next measure. The bass staff has a half note G3, a half note A3, and a half note B3, each tied to the next measure. Exercise 4 (measures 5-8) continues the same pattern, with the treble staff having a half note C5, a half note D5, and a half note E5, and the bass staff having a half note C4, a half note D4, and a half note E4, all tied across measures.

⑤

⑥

Exercise 5 and 6 are presented on a grand staff with a 4/4 time signature. Exercise 5 (measures 1-4) features a treble staff with a half note G4, a half note A4, and a half note B4, each tied to the next measure. The bass staff has a half note G3, a half note A3, and a half note B3, each tied to the next measure. Exercise 6 (measures 5-8) continues the same pattern, with the treble staff having a half note C5, a half note D5, and a half note E5, and the bass staff having a half note C4, a half note D4, and a half note E4, all tied across measures.

⑦

⑧

Exercise 7 and 8 are presented on a grand staff with a 4/4 time signature. Exercise 7 (measures 1-4) features a treble staff with a half note G4, a half note A4, and a half note B4, each tied to the next measure. The bass staff has a half note G3, a half note A3, and a half note B3, each tied to the next measure. Exercise 8 (measures 5-8) continues the same pattern, with the treble staff having a half note C5, a half note D5, and a half note E5, and the bass staff having a half note C4, a half note D4, and a half note E4, all tied across measures.

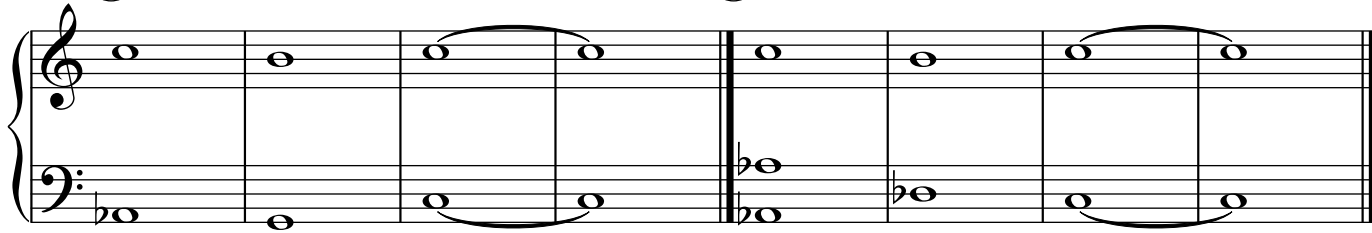
⑨

⑩

Exercise 9 and 10 are presented on a grand staff with a 4/4 time signature. Exercise 9 (measures 1-4) features a treble staff with a half note G4, a half note A4, and a half note B4, each tied to the next measure. The bass staff has a half note G3, a half note A3, and a half note B3, each tied to the next measure. Exercise 10 (measures 5-8) continues the same pattern, with the treble staff having a half note C5, a half note D5, and a half note E5, and the bass staff having a half note C4, a half note D4, and a half note E4, all tied across measures.

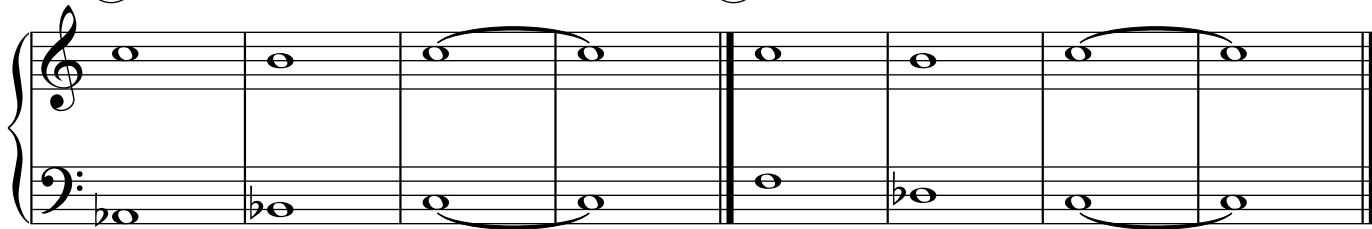
11

12



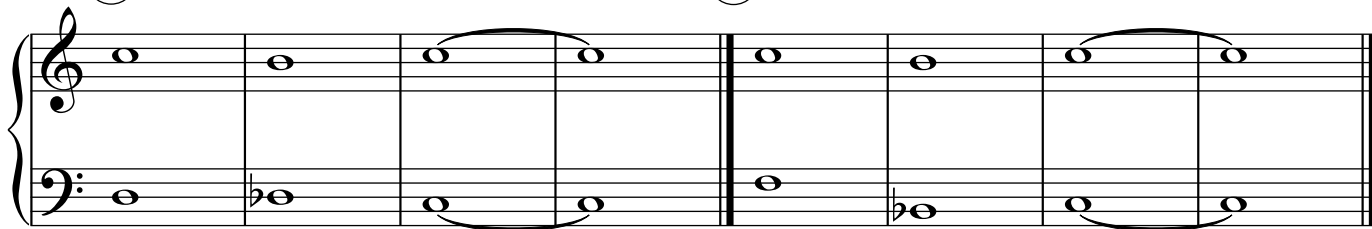
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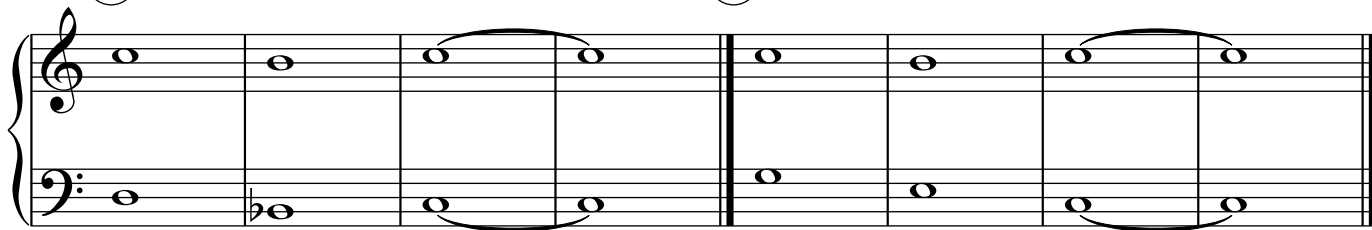
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16



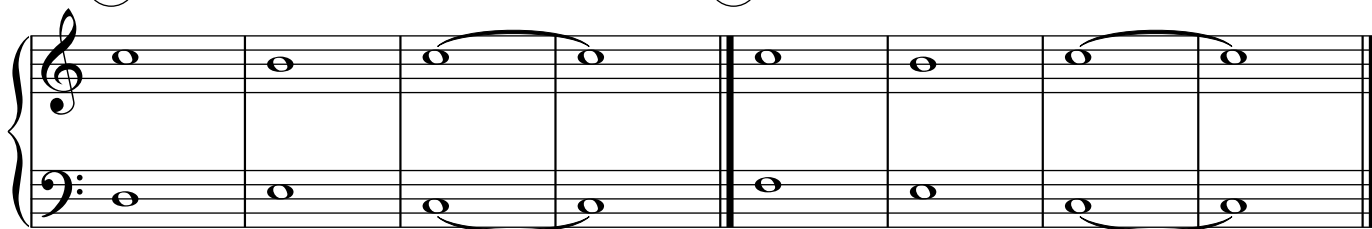
17

18



19

20



Diatonic Major and Minor 3rds

JC Heisler

C Major Scale

Tetra-Chordal Cadence 1-4

Tetra-Chordal Cadence 5-1

1 2 3 4 5 6 7 1

Scale Degrees

Penta-Chordal Cadence 1-5

Penta-Chordal Cadence 4-1

Voice 1

Voice 2

Voice 1 and 2 Tetra-Chordal Cadences to M3rds: 1-4 | 5-1

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

diminished cadences

diminished cadences

Voice 1 and 2 Penta-Chordal Cadences to M3rds: 1-5 | 4-1

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

diminished cadences

diminished cadences

Voice 1 and 2 Octave Cadences to M3rds

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

diminished cadences

Voice 1

Voice 2

Voice 2 from Tonic (C Major/C Minor)

Voice 2 from F (F Melodic Minor)

Voice 1 and 2 Combined

Voice 1 and 2 Octave of All m3rds: Two Tonalities

Voice 2 Eb Major (C Minor)

Voice 1 C Major

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

diminished cadences

Melodic Cadences with M3 and m3 Resolutions

① At Piano: Switch Hands/Swap, Mix and Match

Exercise 1, measures 1-4. The right hand plays a sequence of triads: C major (C4, E4, G4), D minor (D4, F4, A♭4), E major (E4, G4, B4), and F major (F4, A4, C5). The left hand plays a steady bass line of whole notes: C3, F2, C3, F2, C3, F2, C3, F2.

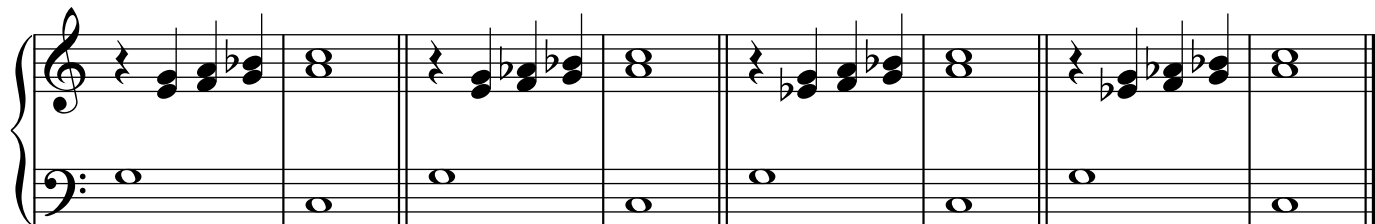
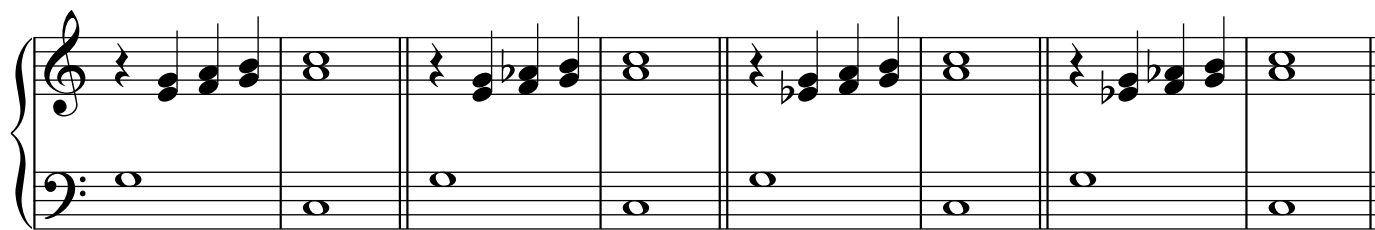
Exercise 2, measures 1-4. The right hand plays a sequence of triads: C major (C4, E4, G4), D minor (D4, F4, A♭4), E major (E4, G4, B4), and F major (F4, A4, C5). The left hand plays a steady bass line of whole notes: C3, F2, C3, F2, C3, F2, C3, F2.

Exercise 3, measures 1-4. The right hand plays a sequence of triads: C major (C4, E4, G4), D minor (D4, F4, A♭4), E major (E4, G4, B4), and F major (F4, A4, C5). The left hand plays a steady bass line of whole notes: C3, F2, C3, F2, C3, F2, C3, F2.

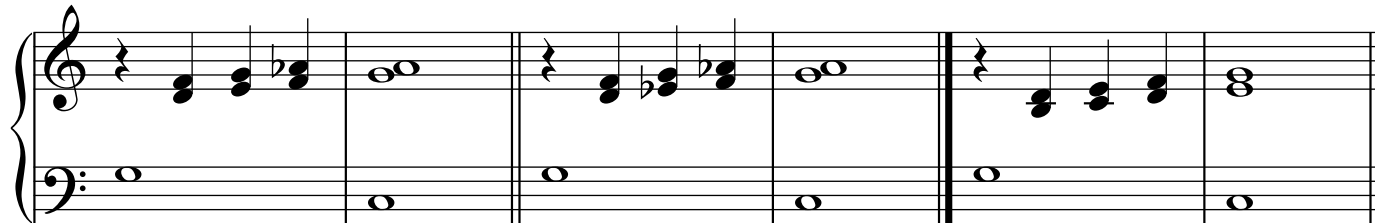
Exercise 4, measures 1-4. The right hand plays a sequence of triads: C major (C4, E4, G4), D minor (D4, F4, A♭4), E major (E4, G4, B4), and F major (F4, A4, C5). The left hand plays a steady bass line of whole notes: C3, F2, C3, F2, C3, F2, C3, F2.

Exercise 5, measures 1-4. The right hand plays a sequence of triads: C major (C4, E4, G4), D minor (D4, F4, A♭4), E major (E4, G4, B4), and F major (F4, A4, C5). The left hand plays a steady bass line of whole notes: C3, F2, C3, F2, C3, F2, C3, F2.

⑤



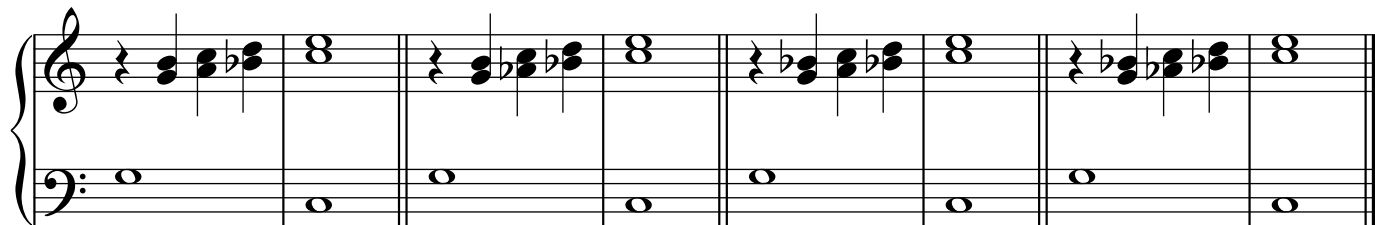
⑥



⑦



⑧



Voice 1 and 2 Octave of All m3rds: Two Tonalities

Voice 2 Eb Major (C Minor)

Voice 1 C Major

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

diminished cadences

Voice 1 and 2 Octave of Minor and Diminished 3rds: Two Tonalities

Voice 2 Eb Minor (Gb Major)

Voice 1 C Major

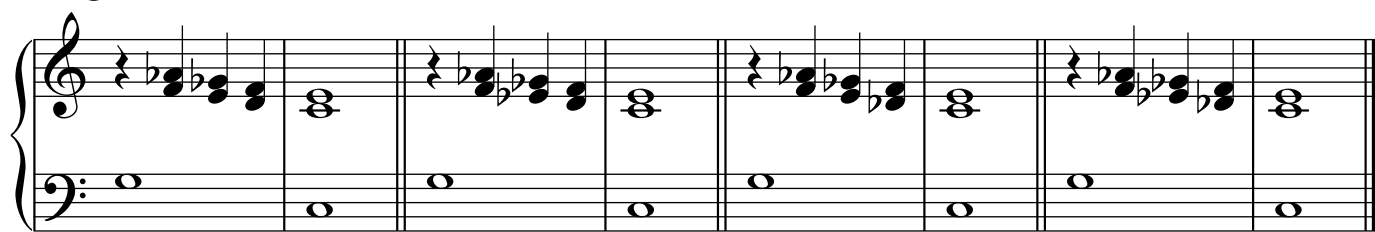
1 m3 2 m3 3 dim3 4 m3 5 m3 6 dim3 7 dim3 1 m3

diminished cadences

Melodic Cadences with M3, m,3 and dim3 Resolutions

① At Piano: Switch Hands/Swap, Mix and Match

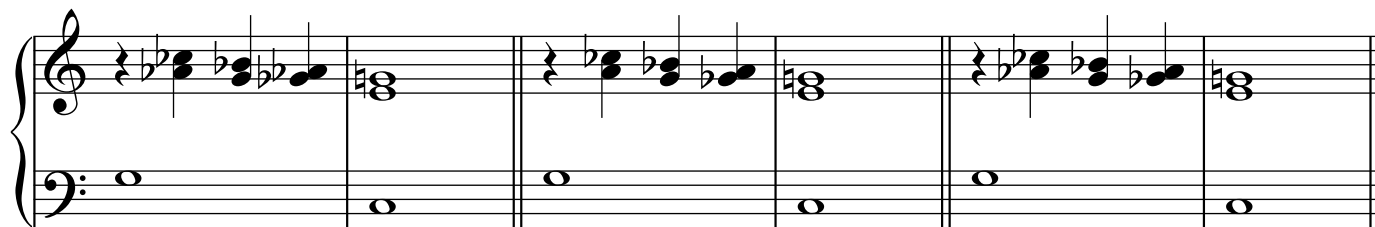
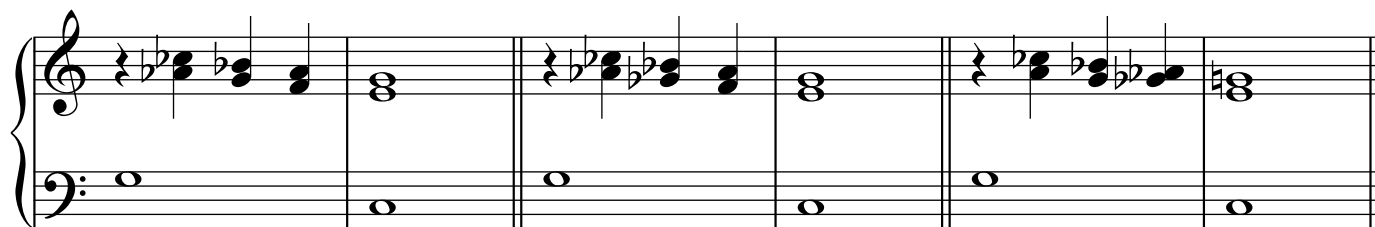
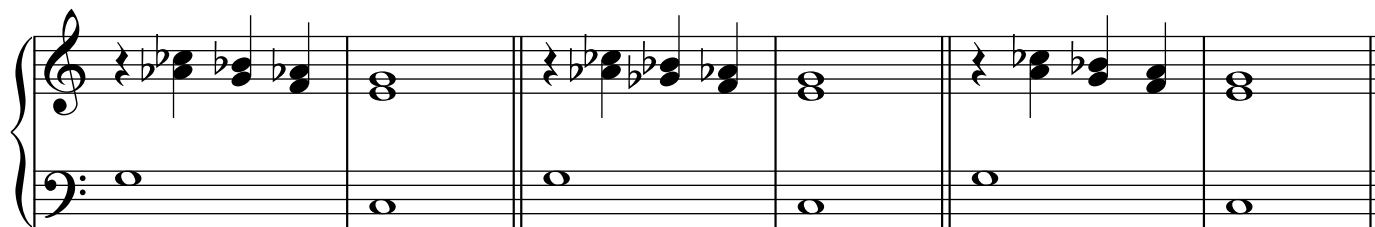
②



③



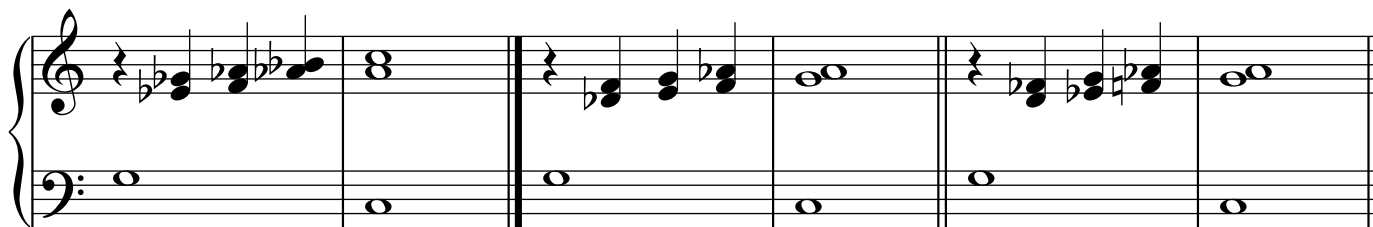
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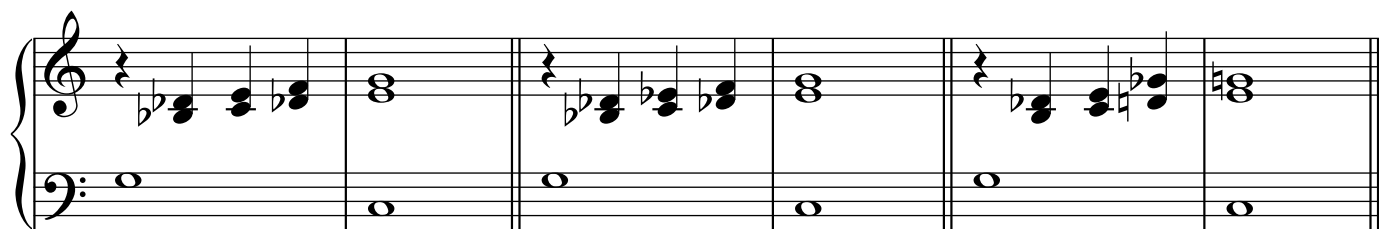
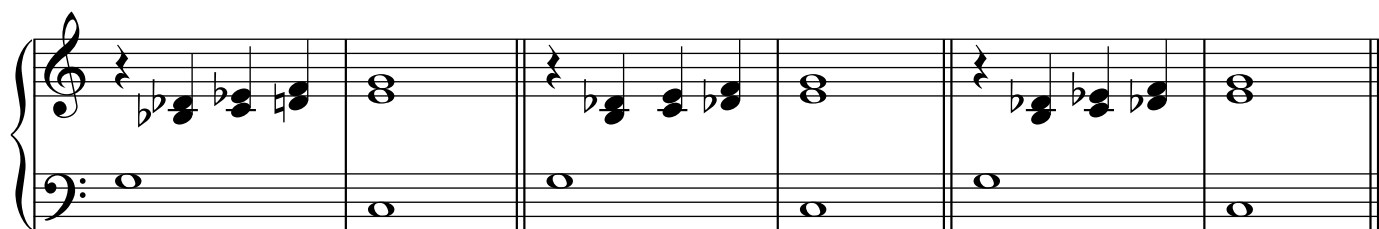
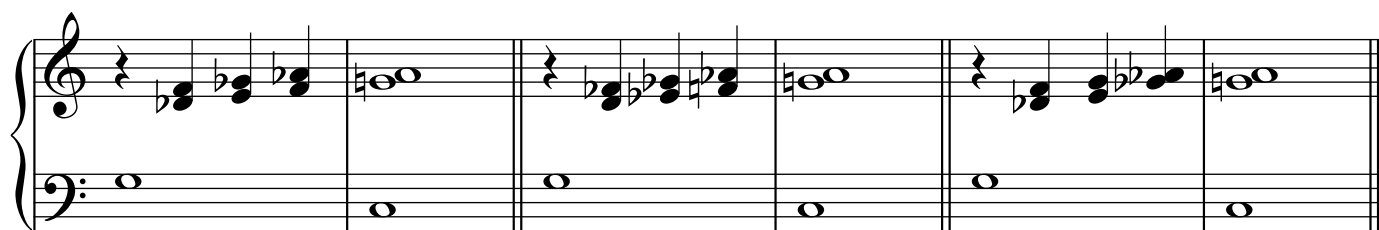


⑤



⑥





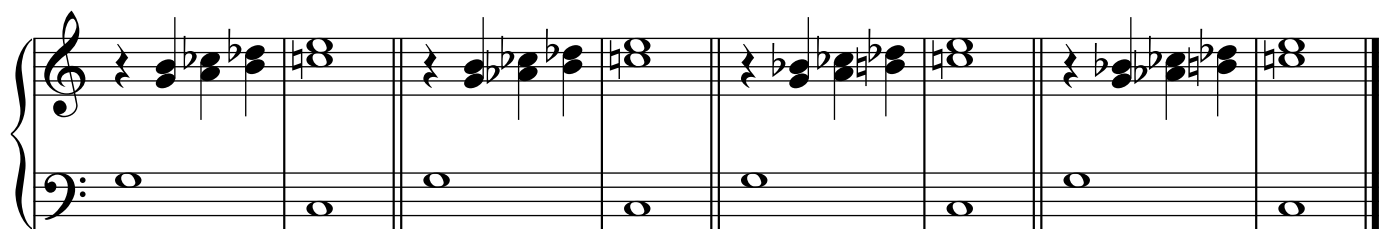
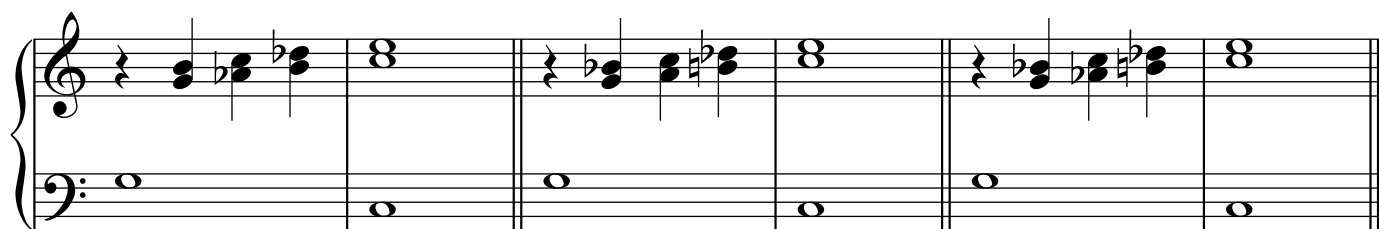
A musical score for the song 'The Rose Tree'. The score is written for a piano, with a treble and bass staff. The key signature is one flat (B-flat), and the time signature is 4/4. The melody is in the treble staff, and the bass staff provides a simple accompaniment. The score consists of three measures, each with a repeat sign at the end. The first measure contains a quarter rest, followed by a half note chord (B-flat, D, F), a half note chord (B-flat, D, F), and a half note chord (B-flat, D, F). The second measure contains a half note chord (B-flat, D, F) and a half note chord (B-flat, D, F). The third measure contains a half note chord (B-flat, D, F) and a half note chord (B-flat, D, F). The bass staff contains a half note chord (B-flat, D, F) in the first measure, a half note chord (B-flat, D, F) in the second measure, and a half note chord (B-flat, D, F) in the third measure.

A musical score for the song 'The Rose Tree'. The score is written for a grand piano, with a treble clef on the right and a bass clef on the left. The key signature is one flat (B-flat), and the time signature is 4/4. The melody is in the treble clef, starting with a quarter rest, followed by a quarter note G4, a quarter note A4, a quarter note B-flat4, and a quarter note C5. The bass line is in the bass clef, starting with a half note C4, followed by a half note C4. The score is divided into three measures, each containing a repeat sign. The first measure is marked '1', the second '2', and the third '3'. The first measure contains a quarter rest, a quarter note G4, a quarter note A4, a quarter note B-flat4, and a quarter note C5. The second measure contains a quarter rest, a quarter note G4, a quarter note A4, a quarter note B-flat4, and a quarter note C5. The third measure contains a quarter rest, a quarter note G4, a quarter note A4, a quarter note B-flat4, and a quarter note C5. The bass line is a constant C4 pedal point.

A musical score for the song 'The Rose Tree'. The score is written for a piano, with a treble and bass staff. The key signature is one flat (B-flat), and the time signature is 4/4. The melody is in the treble staff, and the bass staff provides a simple harmonic accompaniment. The melody consists of a series of eighth and quarter notes, with some chords. The bass staff features a steady quarter-note accompaniment. The score is divided into measures by vertical bar lines, and the key signature is indicated by a single flat symbol at the beginning.

A musical score for the song 'The Rose Tree'. The score is written for a piano, with a treble and bass staff. The key signature is one flat (B-flat), and the time signature is 4/4. The melody is in the treble staff, and the bass staff provides a simple accompaniment. The score consists of six measures, with a repeat sign at the end. The melody is a simple, folk-like tune, and the accompaniment is a simple bass line.

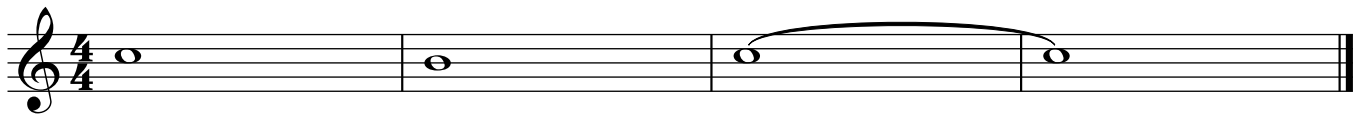
A musical score for the song 'The Rose Tree'. The score is written for a piano, with a treble and bass staff. The key signature is one flat (B-flat), and the time signature is 4/4. The melody is in the treble staff, and the bass staff provides a simple accompaniment. The score consists of three measures, each with a repeat sign at the end. The melody is a simple, folk-like tune, and the bass line is a simple, steady accompaniment.



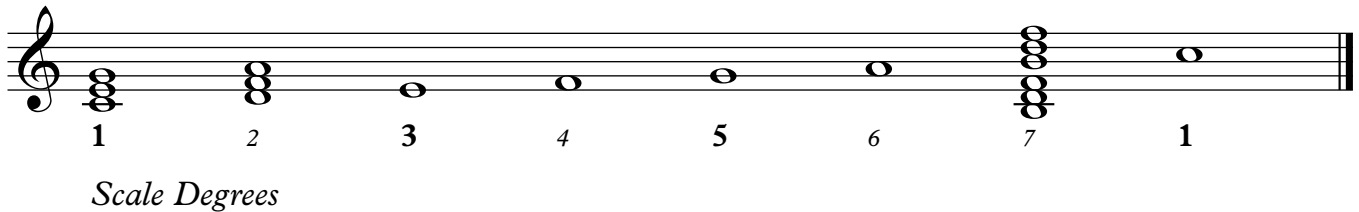
Cadencing 3rds & Diatonic Triads

JC Heisler

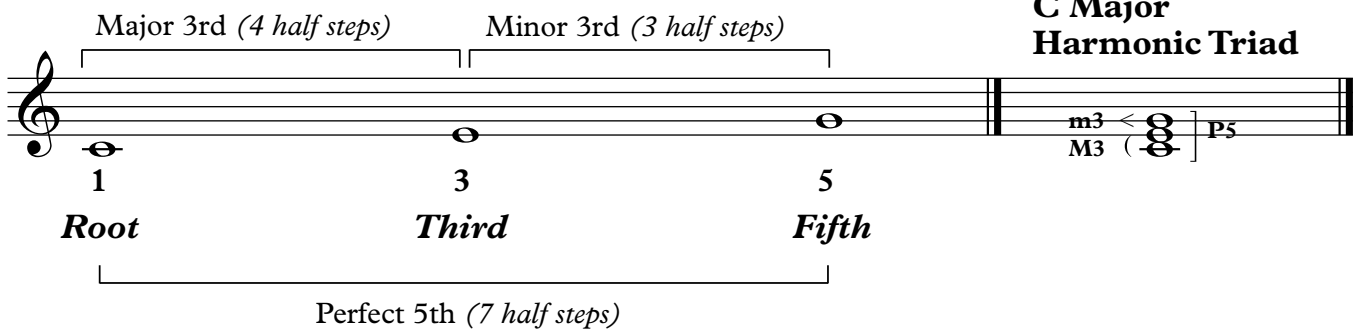
The Fundamental Theme of Tonal Resolution: Tonic - Dominant - Tonic



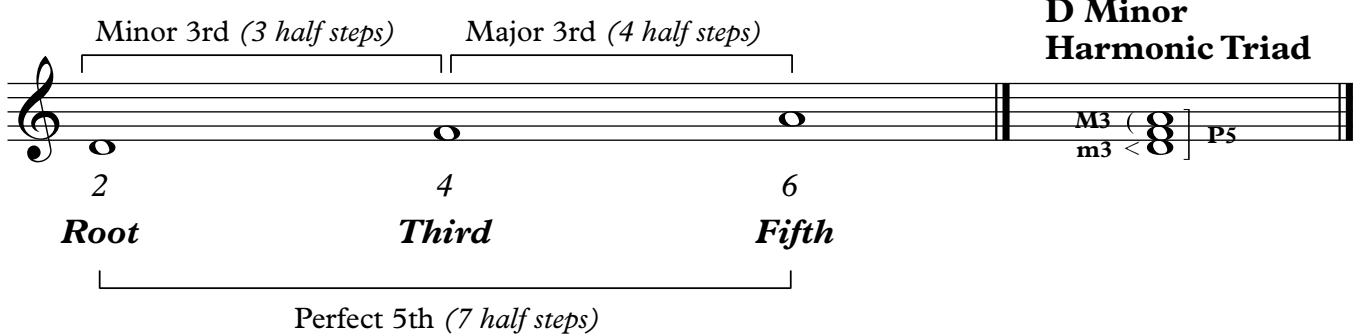
C Major Scale



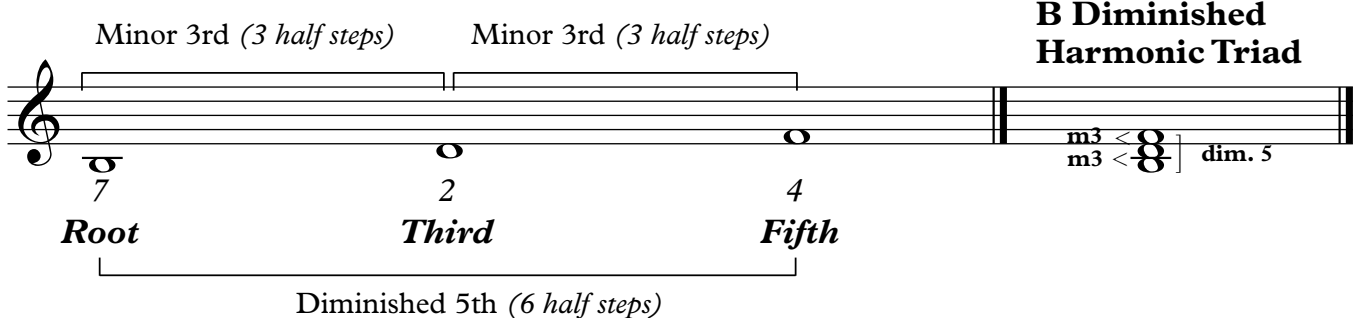
C Major Melodic Triad



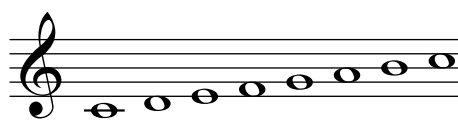
D Minor Melodic Triad



B Diminished Melodic Triad



Voice 1



Voice 2



Voice 3



Voices 1 and 2

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

Voices 2 and 3

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

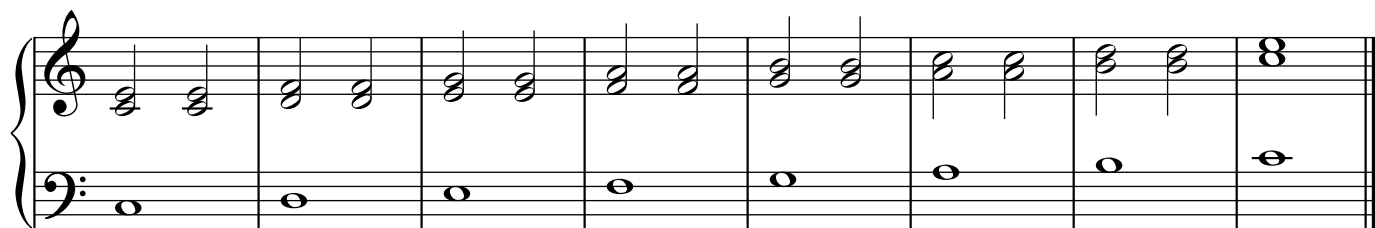
Voices 1, 2, and 3

1 MTriad 2 mTriad 3 mTriad 4 MTriad 5 MTriad 6 mTriad 7 dimTriad 1 MTriad

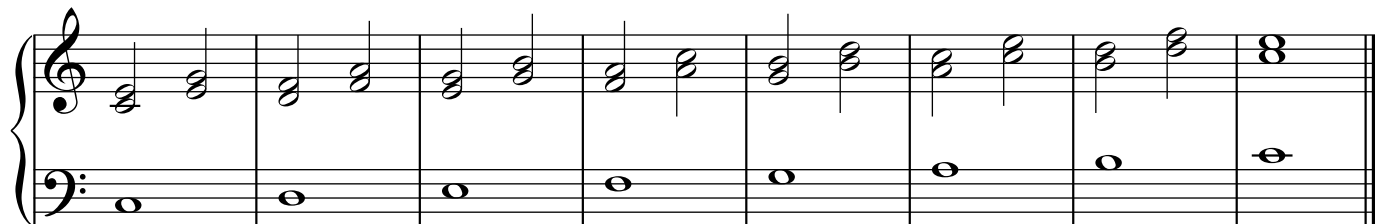
Add Interval Symbols

①

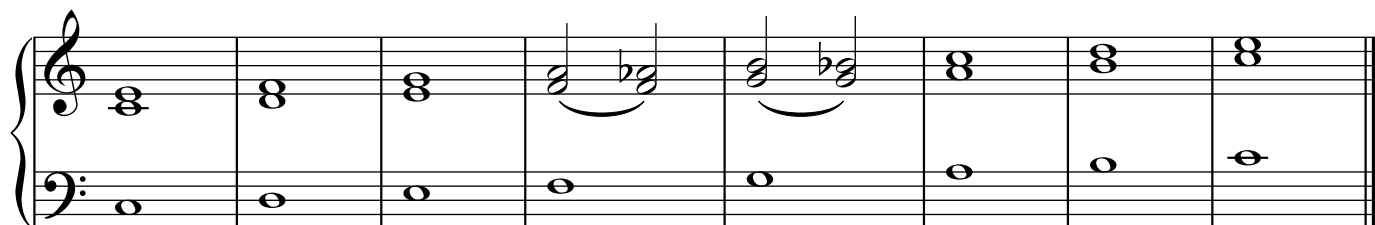
②



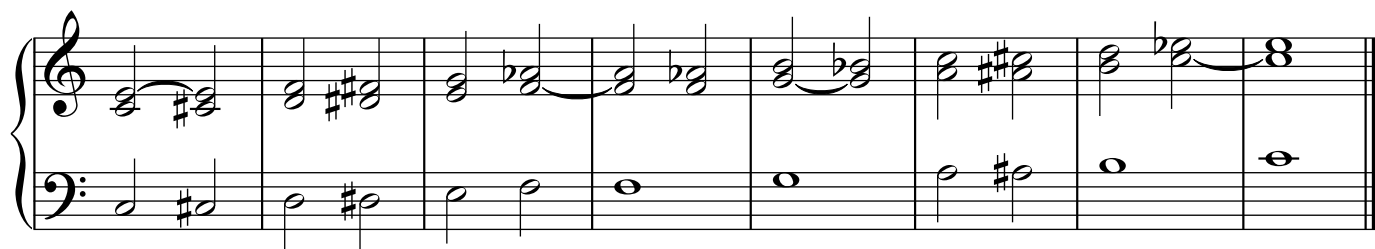
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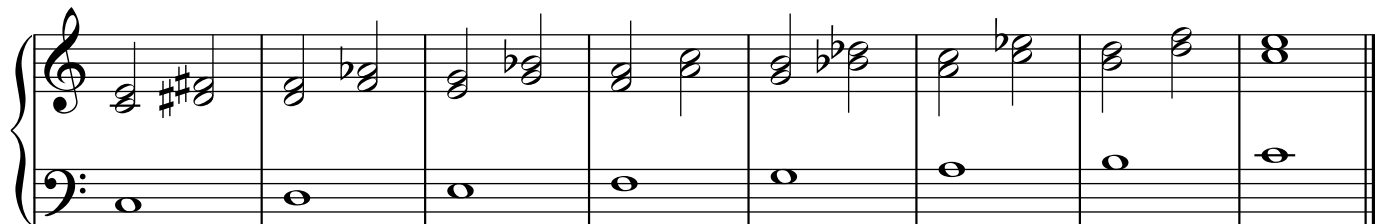
④ Collapse to Minor 3rds



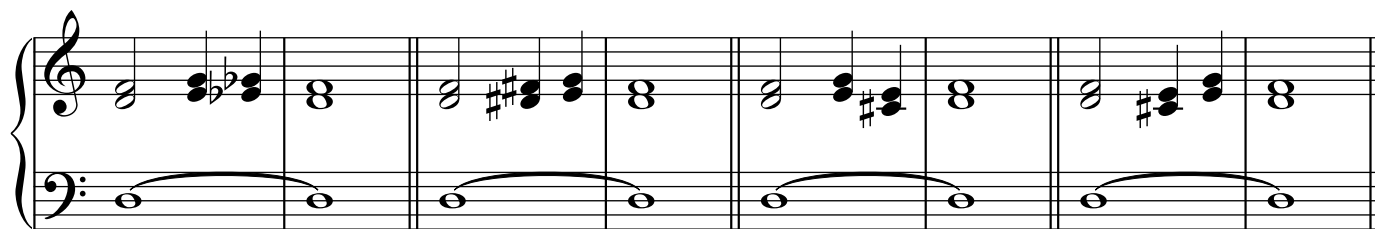
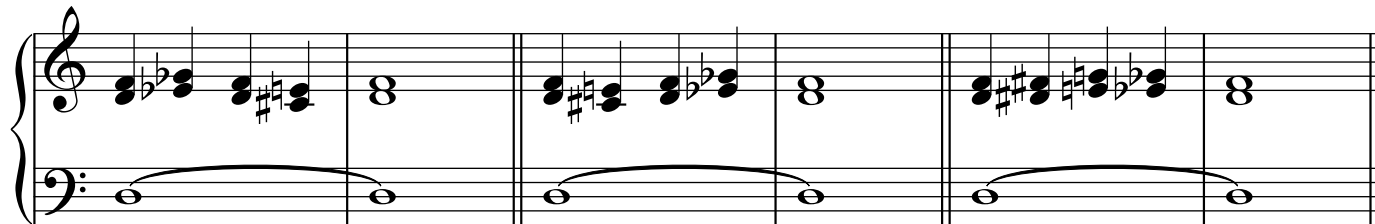
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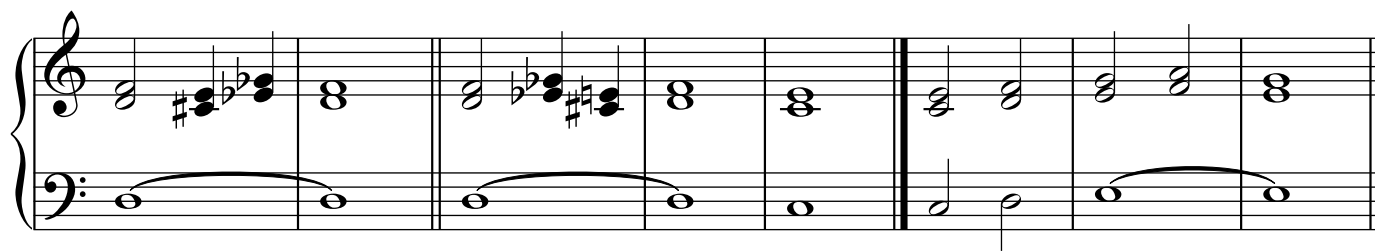
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⑧

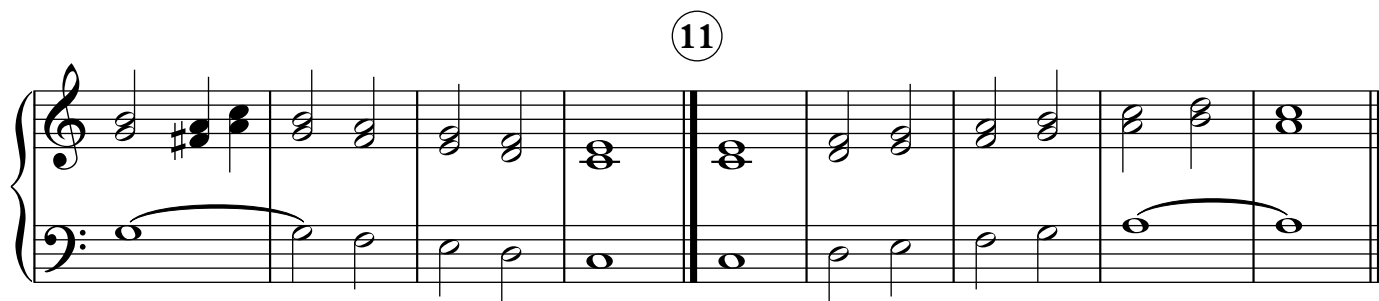
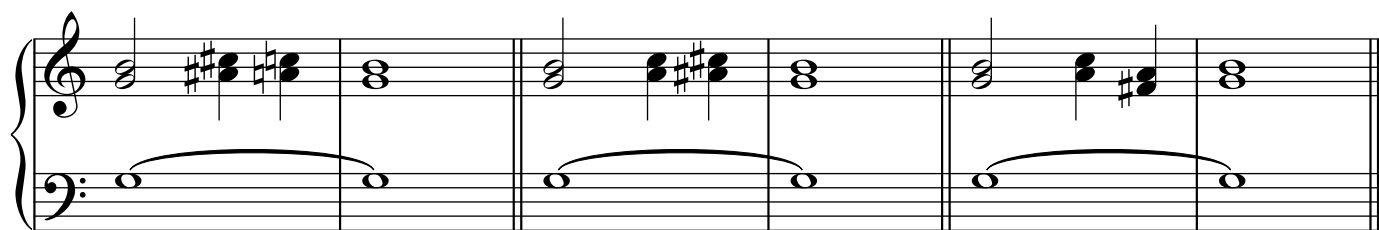
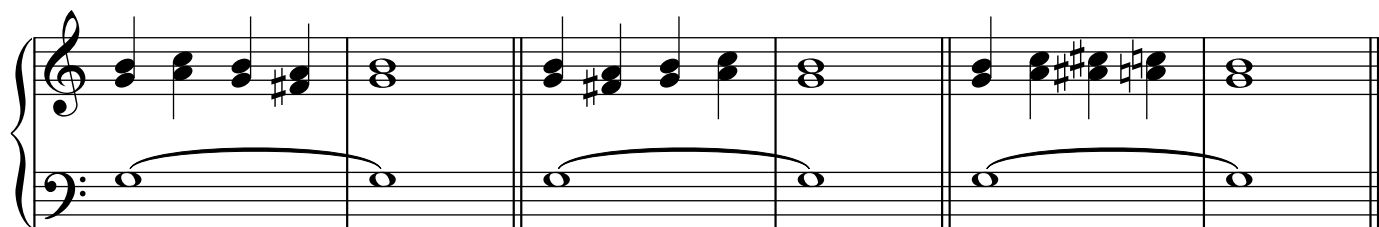
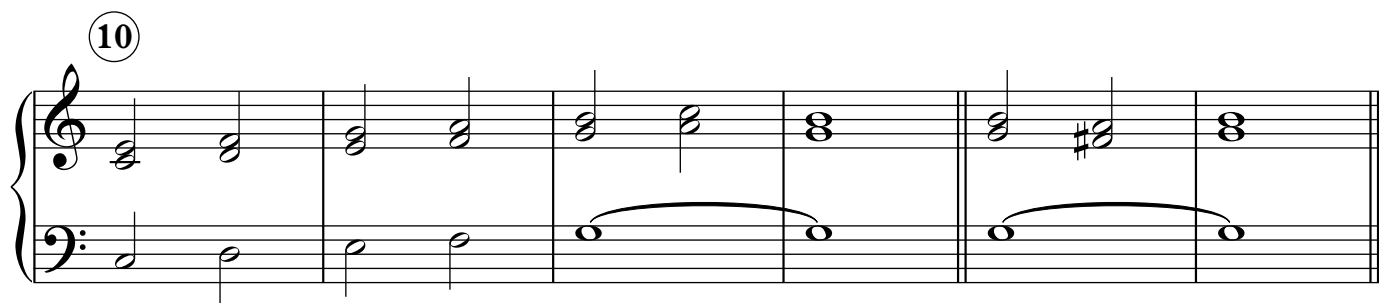
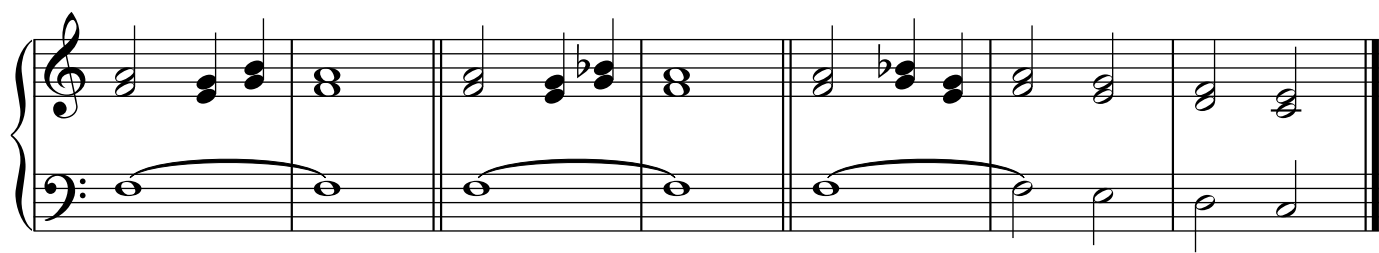


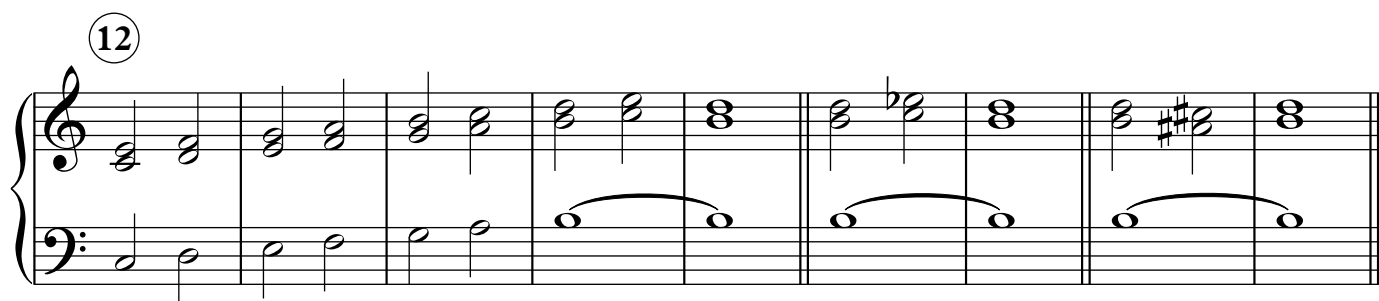
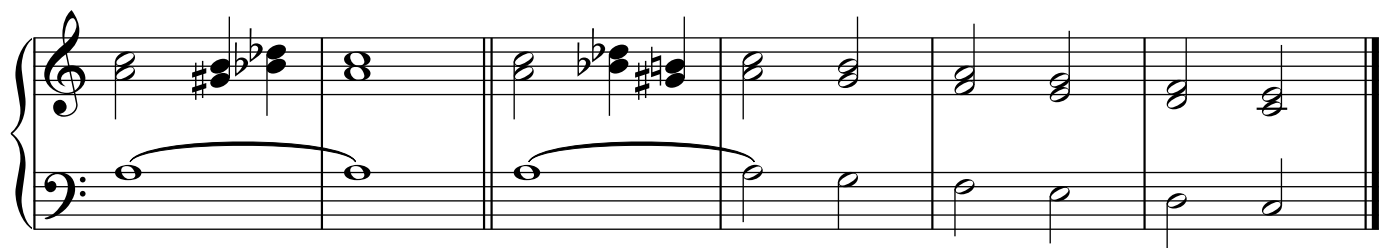
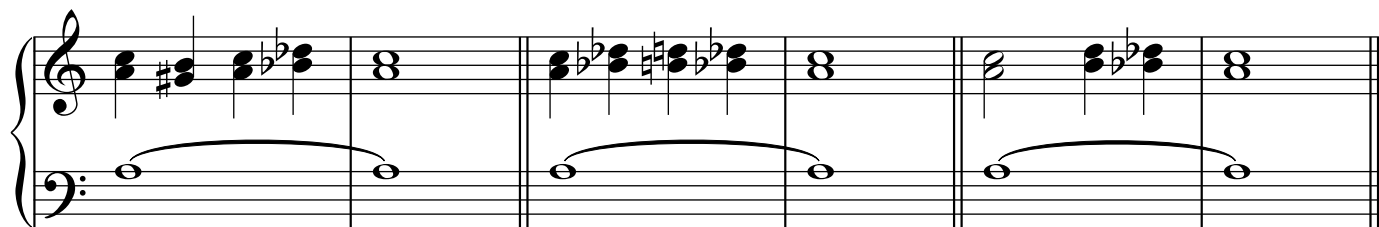
A musical score for the song 'The Rose Tree'. The score is written for piano (p) and features a treble and bass staff. The melody is in the treble staff, and the bass staff provides a simple accompaniment. The key signature is one sharp (F#), and the time signature is 4/4. The score consists of three measures, each with a repeat sign at the end. The first measure contains the notes G4, A4, B4, and C5 in the treble staff, and a half note G3 in the bass staff. The second measure contains the notes A4, B4, C5, and B4 in the treble staff, and a half note A2 in the bass staff. The third measure contains the notes G4, A4, B4, and C5 in the treble staff, and a half note G3 in the bass staff. The score ends with a double bar line.

A musical score for the song 'The Rose Tree'. It features a treble and bass staff. The treble staff contains a melody with a key signature of one flat (B-flat) and a 2/4 time signature. The melody consists of a series of eighth and sixteenth notes, with some chords. The bass staff contains a simple accompaniment of half notes, with a long horizontal line indicating a sustained note or a simple harmonic progression. The score is divided into four measures by vertical bar lines.

A musical score for the song 'The Rose Tree'. The score is written for a piano, with a treble clef on the right and a bass clef on the left. The melody is in the treble clef, and the accompaniment is in the bass clef. The key signature is one flat (B-flat), and the time signature is 4/4. The melody consists of a series of eighth and sixteenth notes, while the accompaniment features a simple bass line with a few chords. The score is divided into four measures, each containing a measure of melody and a measure of accompaniment.

A musical score for the song 'The Rose Tree'. The score is written for a piano, with a treble and bass staff. The key signature is one sharp (F#), and the time signature is 4/4. The melody is in the treble staff, and the bass staff provides a simple accompaniment. The score is divided into three measures, each containing a single musical staff. The first measure shows the beginning of the melody, the second measure shows the middle, and the third measure shows the end. The melody is a simple, folk-like tune, and the accompaniment is a simple, rhythmic pattern.





First system of piano accompaniment. The right hand features a sequence of triads: G major (G-B-D), F# major (F#-A-C#), and E major (E-G-B), followed by a whole rest. The left hand plays a sustained bass note (G) with a slur over it.

Second system of piano accompaniment. The right hand features a sequence of triads: D major (D-F#-A), C# major (C#-E-G#), and B major (B-D-F#), followed by a whole rest. The left hand plays a sustained bass note (G) with a slur over it.

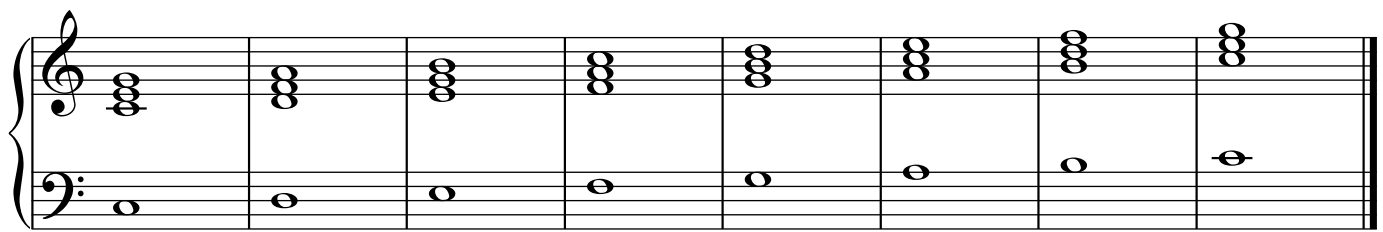
Third system of piano accompaniment. The right hand features a sequence of triads: F# major (F#-A-C#), E major (E-G-B), and D major (D-F#-A), followed by a whole rest. The left hand plays a sustained bass note (G) with a slur over it.

Voices 1, 2, and 3

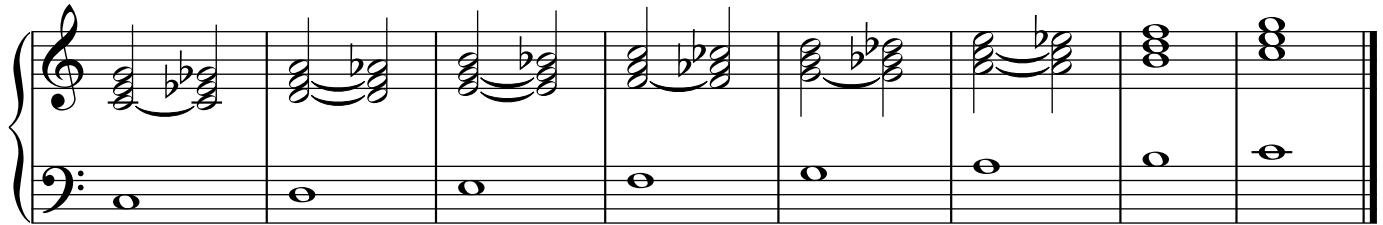
Vocal line for Voices 1, 2, and 3. The melody consists of a sequence of triads: 1 MTriad (G-B-D), 2 mTriad (G-Bb-D), 3 mTriad (G-Bb-D), 4 MTriad (G-B-D), 5 MTriad (G-B-D), 6 mTriad (G-Bb-D), 7 dimTriad (G-Bb-D), and 1 MTriad (G-B-D).

Fourth system of piano accompaniment. The right hand features a sequence of triads: G major (G-B-D), F# major (F#-A-C#), E major (E-G-B), and D major (D-F#-A), followed by a whole rest. The left hand plays a sustained bass note (G) with a slur over it.

②



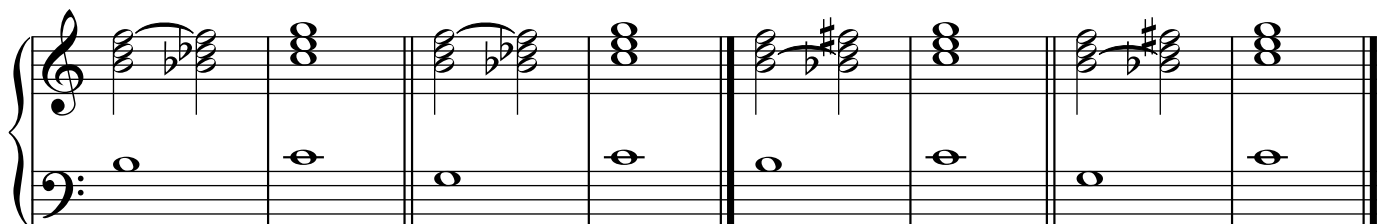
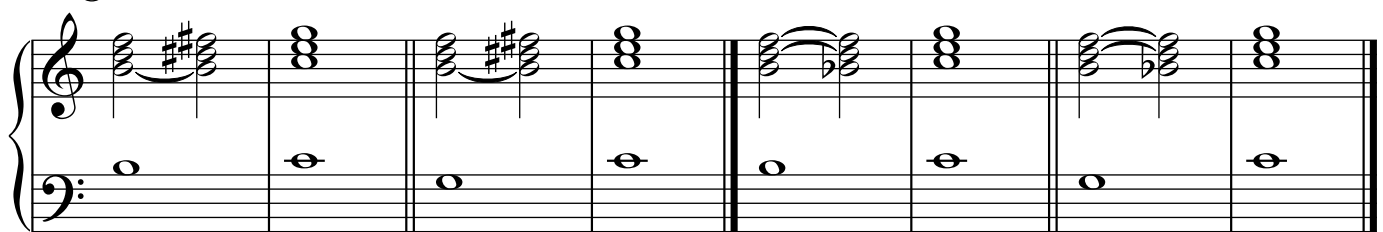
③ Collapse to Diminished



④



⑤



First system of musical notation, measures 1-4. The key signature has three sharps (F#, C#, G#). The melody in the treble clef consists of chords: F#4-A#4-C#5, F#4-A#4-C#5, F#4-A#4-C#5, and F#4-A#4-C#5. The bass line consists of whole notes: F2, C2, F2, and C2.

Second system of musical notation, measures 5-8. The key signature has two flats (Bb, Eb). The melody in the treble clef consists of chords: Bb4-Db5-Fb5, Bb4-Db5-Fb5, Bb4-Db5-Fb5, and Bb4-Db5-Fb5. The bass line consists of whole notes: Bb1, Eb1, Bb1, and Eb1.

Third system of musical notation, measures 9-16. Measure 9 is marked with a circled 6. The key signature has three sharps (F#, C#, G#). The melody in the treble clef consists of chords: F#4-A#4-C#5, F#4-A#4-C#5, F#4-A#4-C#5, F#4-A#4-C#5, F#4-A#4-C#5, F#4-A#4-C#5, F#4-A#4-C#5, and F#4-A#4-C#5. The bass line consists of whole notes: F2, C2, F2, C2, F2, C2, F2, and C2.

Fourth system of musical notation, measures 17-24. Measure 17 is marked with a circled 7. The key signature has two flats (Bb, Eb). The melody in the treble clef consists of chords: Bb4-Db5-Fb5, Bb4-Db5-Fb5, Bb4-Db5-Fb5, Bb4-Db5-Fb5, Bb4-Db5-Fb5, Bb4-Db5-Fb5, Bb4-Db5-Fb5, and Bb4-Db5-Fb5. The bass line consists of whole notes: Bb1, Eb1, Bb1, Eb1, Bb1, Eb1, Bb1, and Eb1.

Fifth system of musical notation, measures 25-32. Measure 25 is marked with a circled 8. The key signature has three sharps (F#, C#, G#). The melody in the treble clef consists of chords: F#4-A#4-C#5, F#4-A#4-C#5, F#4-A#4-C#5, F#4-A#4-C#5, F#4-A#4-C#5, F#4-A#4-C#5, F#4-A#4-C#5, and F#4-A#4-C#5. The bass line consists of whole notes: F2, C2, F2, C2, F2, C2, F2, and C2.

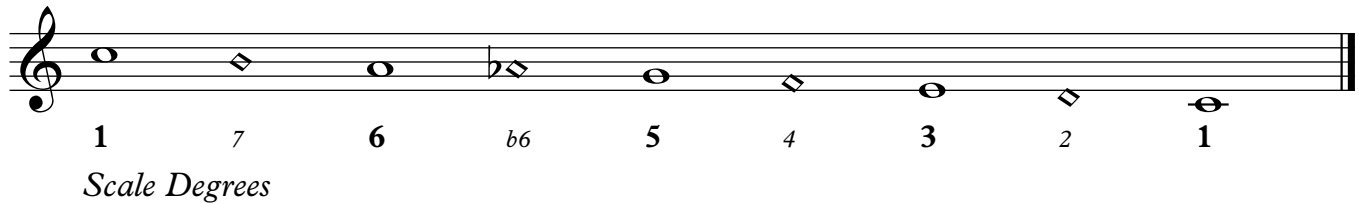
C6 and the Diminishes

JC Heisler

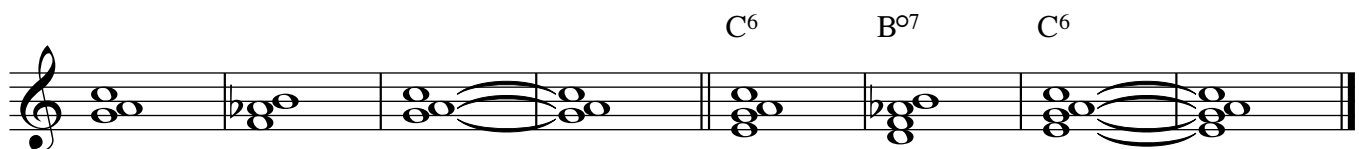
The Fundamental Theme of Tonal Resolution: Tonic - Dominant - Tonic



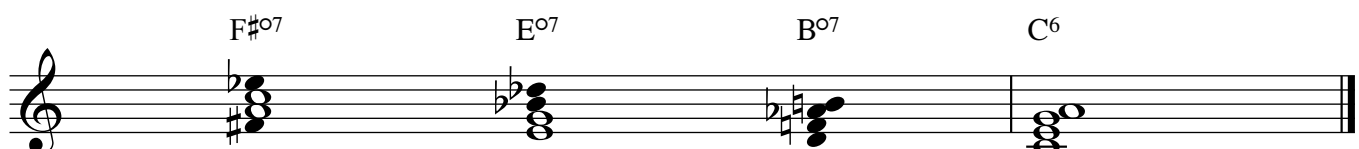
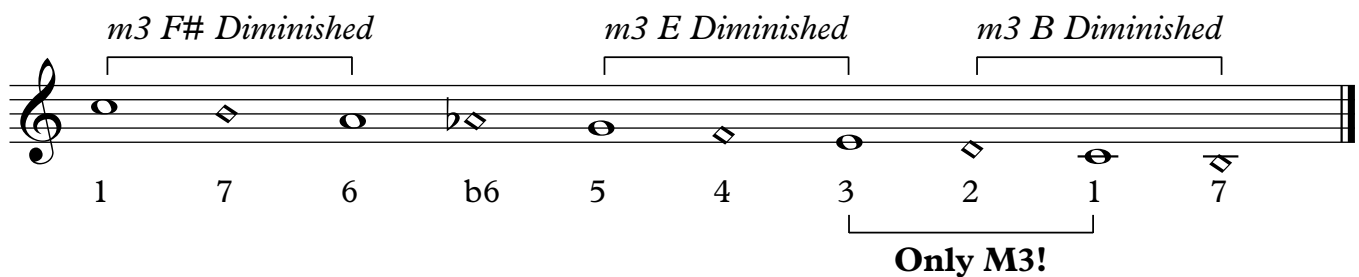
C6 Diminished Scale



The Fundamental Theme of Tonal Resolution: Tonic - Dominant - Tonic



3 Diminished Chords in C6 Diminished Scale



Resolutions to these Tonic Function Intervals from C6

Diagram illustrating resolutions from C6 to various tonic function intervals. The notation shows four measures, each representing a different interval resolution from C6:

- C6**: The starting chord (C6).
- Pure Tonic**: The resolution to the pure tonic (C).
- E^{o7}**: The resolution to the dominant seventh (E^{o7}).
- F^{#o7}**: The resolution to the leading tone seventh (F^{#o7}).

The intervals shown are:

- M3 (Major Third)
- m3 (minor third)
- m3 (minor third)
- M2 (Major Second)

C6 Diminished Scale Resolutions

At Piano: Switch Hands/Swap, Mix and Match

①

M3

Diagram illustrating the first resolution of the C6 diminished scale. The notation shows the scale (C, D, E, F, G, A, B, C) and the resolution to the major third (M3) interval.

Diagram illustrating the first resolution of the C6 diminished scale. The notation shows the scale (C, D, E, F, G, A, B, C) and the resolution to the major third (M3) interval.

②

M2

Diagram illustrating the second resolution of the C6 diminished scale. The notation shows the scale (C, D, E, F, G, A, B, C) and the resolution to the major second (M2) interval.

Diagram illustrating the second resolution of the C6 diminished scale. The notation shows the scale (C, D, E, F, G, A, B, C) and the resolution to the major second (M2) interval.

③

M2 M3

Exercise 3 consists of four measures. Measures 1 and 2 are separated by a double bar line. The first system (measures 1-2) has a treble staff with a sequence of notes: G4, A4, Bb4, C5, D5, E5, and a whole rest. The bass staff has a sequence of notes: G3, A3, B3, C4, D4, E4, and a whole rest. Measures 3 and 4 are separated by a double bar line. The second system (measures 3-4) has a treble staff with a sequence of notes: G4, A4, Bb4, C5, D5, E5, and a whole rest. The bass staff has a sequence of notes: G3, A3, B3, C4, D4, E4, and a whole rest. The labels 'M2' and 'M3' are placed above the second and third measures respectively.

Exercise 3 continues with measures 5 and 6. Measures 5 and 6 are separated by a double bar line. The first system (measures 5-6) has a treble staff with a sequence of notes: G4, A4, Bb4, C5, D5, E5, and a whole rest. The bass staff has a sequence of notes: G3, A3, B3, C4, D4, E4, and a whole rest. Measures 7 and 8 are separated by a double bar line. The second system (measures 7-8) has a treble staff with a sequence of notes: G4, A4, Bb4, C5, D5, E5, and a whole rest. The bass staff has a sequence of notes: G3, A3, B3, C4, D4, E4, and a whole rest.

④

M2 M3

Exercise 4 consists of four measures. Measures 1 and 2 are separated by a double bar line. The first system (measures 1-2) has a treble staff with a sequence of notes: G4, A4, B4, C5, D5, E5, and a whole rest. The bass staff has a sequence of notes: G3, A3, B3, C4, D4, E4, and a whole rest. Measures 3 and 4 are separated by a double bar line. The second system (measures 3-4) has a treble staff with a sequence of notes: G4, A4, B#4, C5, D5, E5, and a whole rest. The bass staff has a sequence of notes: G3, A3, B3, C4, D4, E4, and a whole rest. The labels 'M2' and 'M3' are placed above the second and third measures respectively.

Exercise 4 continues with measures 5 and 6. Measures 5 and 6 are separated by a double bar line. The first system (measures 5-6) has a treble staff with a sequence of notes: G4, A4, B#4, C5, D5, E5, and a whole rest. The bass staff has a sequence of notes: G3, A3, B3, C4, D4, E4, and a whole rest. Measures 7 and 8 are separated by a double bar line. The second system (measures 7-8) has a treble staff with a sequence of notes: G4, A4, B#4, C5, D5, E5, and a whole rest. The bass staff has a sequence of notes: G3, A3, B3, C4, D4, E4, and a whole rest.

⑤

M3 M2

Exercise 5 consists of four measures. Measures 1 and 2 are separated by a double bar line. The first system (measures 1-2) has a treble staff with a sequence of notes: G4, A4, B4, C5, D5, E5, and a whole rest. The bass staff has a sequence of notes: G3, A3, B3, C4, D4, E4, and a whole rest. Measures 3 and 4 are separated by a double bar line. The second system (measures 3-4) has a treble staff with a sequence of notes: G4, A4, B4, C5, D5, E5, and a whole rest. The bass staff has a sequence of notes: G3, A3, B3, C4, D4, E4, and a whole rest. The labels 'M3' and 'M2' are placed above the second and third measures respectively.

Exercise 5 continues with measures 5 and 6. Measures 5 and 6 are separated by a double bar line. The first system (measures 5-6) has a treble staff with a sequence of notes: G4, A4, B4, C5, D5, E5, and a whole rest. The bass staff has a sequence of notes: G3, A3, B3, C4, D4, E4, and a whole rest. Measures 7 and 8 are separated by a double bar line. The second system (measures 7-8) has a treble staff with a sequence of notes: G4, A4, B4, C5, D5, E5, and a whole rest. The bass staff has a sequence of notes: G3, A3, B3, C4, D4, E4, and a whole rest.

⑥

M3 M2

⑦

M2

⑧

M3

3 Diminished Chords in C6 Diminished Scale

Diagram illustrating the C6 Diminished Scale (1 7 6 b6 5 4 3 2 1 7) with fingerings and groupings for diminished chords:

- m3 F# Diminished* (notes 1, 7, 6)
- m3 E Diminished* (notes 5, 4, 3)
- m3 B Diminished* (notes 2, 1, 7)

Only M3!

Diagram illustrating the four diminished chords in the C6 Diminished Scale:

- F#^{o7}
- E^{o7}
- B^{o7}
- C⁶

① Diminished Melody Resolutions

Diagram illustrating Diminished Melody Resolutions (Exercise 1):

Two systems of musical notation showing resolutions for the diminished chords. The first system shows resolutions for F#^{o7} and E^{o7}. The second system shows resolutions for B^{o7} and C⁶. The bass line provides a harmonic foundation with sustained notes and moving lines.

②

Diagram illustrating Diminished Melody Resolutions (Exercise 2):

Two systems of musical notation showing resolutions for the diminished chords. The first system shows resolutions for F#^{o7} and E^{o7}. The second system shows resolutions for B^{o7} and C⁶. The bass line provides a harmonic foundation with sustained notes and moving lines.

③

System 3, measures 1-3. The treble clef staff contains a quarter rest, followed by a quarter note G4, a quarter note F#4, a quarter note E4, and a half note D4. The bass clef staff contains a quarter note G2, a quarter note F2, and a half note E2. The key signature has one flat (Bb).

System 3, measures 4-6. The treble clef staff contains a quarter rest, followed by a quarter note G4, a quarter note F#4, a quarter note E4, and a half note D4. The bass clef staff contains a quarter note G2, a quarter note F2, and a half note E2. The key signature has one flat (Bb).

④

System 4, measures 1-3. The treble clef staff contains a quarter rest, followed by a quarter note G4, a quarter note F#4, a quarter note E4, and a half note D4. The bass clef staff contains a quarter note G2, a quarter note F2, and a half note E2. The key signature has one flat (Bb).

System 4, measures 4-6. The treble clef staff contains a quarter rest, followed by a quarter note G4, a quarter note F#4, a quarter note E4, and a half note D4. The bass clef staff contains a quarter note G2, a quarter note F2, and a half note E2. The key signature has one flat (Bb).

⑤

System 5, measures 1-3. The treble clef staff contains a quarter rest, followed by a quarter note G4, a quarter note F#4, a quarter note E4, and a half note D4. The bass clef staff contains a quarter note G2, a quarter note F2, and a half note E2. The key signature has one flat (Bb).

System 5, measures 4-6. The treble clef staff contains a quarter rest, followed by a quarter note G4, a quarter note F#4, a quarter note E4, and a half note D4. The bass clef staff contains a quarter note G2, a quarter note F2, and a half note E2. The key signature has one flat (Bb).

⑥

System 6, measures 1-4. The treble clef staff begins with a whole rest, followed by quarter notes G4, A4, and B4, and a whole note C5. The bass clef staff has a half note G3, a half note A3, and a whole note B3. A double bar line occurs after measure 2. In measure 3, the treble clef has a whole rest, followed by quarter notes C5, B4, and A4, and a whole note G4. The bass clef has a half note G3, a half note A3, and a whole note B3. Measure 4 continues with the same notes in the treble and bass.

System 6, measures 5-8. The treble clef staff has a whole rest, followed by quarter notes B4, A4, and G4, and a whole note F#4. The bass clef has a half note G3, a half note A3, and a whole note B3. A double bar line occurs after measure 6. In measure 7, the treble clef has a whole rest, followed by quarter notes E4, D4, and C4, and a whole note B3. The bass clef has a half note G3, a half note A3, and a whole note B3. Measure 8 continues with the same notes in the treble and bass.

⑦

System 7, measures 1-4. The treble clef staff begins with a whole rest, followed by quarter notes G4, A4, and B4, and a whole note C5. The bass clef staff has a half note G3, a half note A3, and a whole note B3. A double bar line occurs after measure 2. In measure 3, the treble clef has a whole rest, followed by quarter notes C5, B4, and A4, and a whole note G4. The bass clef has a half note G3, a half note A3, and a whole note B3. Measure 4 continues with the same notes in the treble and bass.

System 7, measures 5-8. The treble clef staff has a whole rest, followed by quarter notes B4, A4, and G4, and a whole note F#4. The bass clef has a half note G3, a half note A3, and a whole note B3. A double bar line occurs after measure 6. In measure 7, the treble clef has a whole rest, followed by quarter notes E4, D4, and C4, and a whole note B3. The bass clef has a half note G3, a half note A3, and a whole note B3. Measure 8 continues with the same notes in the treble and bass.

⑧

System 8, measures 1-4. The treble clef staff begins with a whole rest, followed by quarter notes G4, A4, and B4, and a whole note C5. The bass clef staff has a half note G3, a half note A3, and a whole note B3. A double bar line occurs after measure 2. In measure 3, the treble clef has a whole rest, followed by quarter notes C5, B4, and A4, and a whole note G4. The bass clef has a half note G3, a half note A3, and a whole note B3. Measure 4 continues with the same notes in the treble and bass.

System 8, measures 5-8. The treble clef staff has a whole rest, followed by quarter notes B4, A4, and G4, and a whole note F#4. The bass clef has a half note G3, a half note A3, and a whole note B3. A double bar line occurs after measure 6. In measure 7, the treble clef has a whole rest, followed by quarter notes E4, D4, and C4, and a whole note B3. The bass clef has a half note G3, a half note A3, and a whole note B3. Measure 8 continues with the same notes in the treble and bass.

⑨

Exercise 9, measures 1-4. The first system (measures 1-2) features a treble staff with a quarter rest followed by quarter notes G#4, A4, and B4, and a whole note C5. The bass staff has a quarter note G2, a half note F2, and a whole note E2. The second system (measures 3-4) features a treble staff with a quarter rest followed by quarter notes Bb4, A#4, G#4, and F#4, and a whole note E4. The bass staff has a quarter note G2, a half note F2, and a whole note E2.

Exercise 9, measures 5-8. The first system (measures 5-6) features a treble staff with a quarter rest followed by quarter notes G#4, A4, Bb4, and A#4, and a whole note G#4. The bass staff has a quarter note G2, a half note F2, and a whole note E2. The second system (measures 7-8) features a treble staff with a quarter rest followed by quarter notes Bb4, A#4, G#4, and F#4, and a whole note E4. The bass staff has a quarter note G2, a half note F2, and a whole note E2.

⑩

Exercise 10, measures 1-4. The first system (measures 1-2) features a treble staff with a quarter rest followed by quarter notes G#4, A4, and B4, and a whole note C5. The bass staff has a quarter note G2, a half note F2, and a whole note E2. The second system (measures 3-4) features a treble staff with a quarter rest followed by quarter notes Bb4, A#4, G#4, and F#4, and a whole note E4. The bass staff has a quarter note G2, a half note F2, and a whole note E2.

Exercise 10, measures 5-8. The first system (measures 5-6) features a treble staff with a quarter rest followed by quarter notes Bb4, A#4, G#4, and F#4, and a whole note E4. The bass staff has a quarter note G2, a half note F2, and a whole note E2. The second system (measures 7-8) features a treble staff with a quarter rest followed by quarter notes Bb4, A#4, G#4, and F#4, and a whole note E4. The bass staff has a quarter note G2, a half note F2, and a whole note E2.

⑪

Exercise 11, measures 1-4. The first system (measures 1-2) features a treble staff with a quarter rest followed by quarter notes G#4, A4, and Bb4, and a whole note C5. The bass staff has a quarter note G2, a half note F2, and a whole note E2. The second system (measures 3-4) features a treble staff with a quarter rest followed by quarter notes A#4, G#4, and F#4, and a whole note E4. The bass staff has a quarter note G2, a half note F2, and a whole note E2.

Exercise 11, measures 5-8. The first system (measures 5-6) features a treble staff with a quarter rest followed by quarter notes A#4, G#4, and F#4, and a whole note E4. The bass staff has a quarter note G2, a half note F2, and a whole note E2. The second system (measures 7-8) features a treble staff with a quarter rest followed by quarter notes Bb4, A#4, G#4, and F#4, and a whole note E4. The bass staff has a quarter note G2, a half note F2, and a whole note E2.

12

First system of exercise 12. The treble clef staff contains a quarter rest, followed by quarter notes G#4, A4, and Bb4, and a whole note C5. The bass clef staff contains a quarter note G3, a quarter note A3, and a whole note B3 (marked with a flat and parentheses). A repeat sign is at the end of the system.

Second system of exercise 12. The treble clef staff contains a quarter rest, followed by quarter notes G#4, A4, and Bb4, and a whole note C5. The bass clef staff contains a quarter note G3, a quarter note A3, and a whole note B3 (marked with a flat and parentheses). The system ends with a double bar line.

13

First system of exercise 13. The treble clef staff contains a quarter rest, followed by quarter notes G#4, A4, and Bb4, and a whole note C5. The bass clef staff contains a quarter note G3, a quarter note A3, and a whole note B3 (marked with a flat and parentheses). A repeat sign is at the end of the system.

Second system of exercise 13. The treble clef staff contains a quarter rest, followed by quarter notes G#4, A4, and Bb4, and a whole note C5. The bass clef staff contains a quarter note G3, a quarter note A3, and a whole note B3 (marked with a flat and parentheses). The system ends with a double bar line.

14

First system of exercise 14. The treble clef staff contains a quarter rest, followed by quarter notes G#4, A4, and Bb4, and a whole note C5. The bass clef staff contains a quarter note G3, a quarter note A3, and a whole note B3 (marked with a flat and parentheses). A repeat sign is at the end of the system.

Second system of exercise 14. The treble clef staff contains a quarter rest, followed by quarter notes G#4, A4, and Bb4, and a whole note C5. The bass clef staff contains a quarter note G3, a quarter note A3, and a whole note B3 (marked with a flat and parentheses). The system ends with a double bar line.

15

System 15, measures 1-2. The treble clef staff contains a whole rest, followed by a quarter note G4, a quarter note F#4, a quarter note E4, and a half note D4. The bass clef staff contains a quarter note G2, a quarter note F2, and a half note E2. A repeat sign is at the end of the system.

System 15, measures 3-4. The treble clef staff contains a whole rest, followed by a quarter note G#4, a quarter note F#4, a quarter note E4, and a half note D4. The bass clef staff contains a quarter note G2, a quarter note F2, and a half note E2. A repeat sign is at the end of the system.

16

System 16, measures 1-2. The treble clef staff contains a whole rest, followed by a quarter note G4, a quarter note F#4, a quarter note E4, and a half note D4. The bass clef staff contains a quarter note G2, a quarter note F2, and a half note E2. A repeat sign is at the end of the system.

System 16, measures 3-4. The treble clef staff contains a whole rest, followed by a quarter note G#4, a quarter note F#4, a quarter note E4, and a half note D4. The bass clef staff contains a quarter note G2, a quarter note F2, and a half note E2. A repeat sign is at the end of the system.

17

System 17, measures 1-2. The treble clef staff contains a whole rest, followed by a quarter note G4, a quarter note F#4, a quarter note E4, and a half note D4. The bass clef staff contains a quarter note G2, a quarter note F2, and a half note E2. A repeat sign is at the end of the system.

System 17, measures 3-4. The treble clef staff contains a whole rest, followed by a quarter note G#4, a quarter note F#4, a quarter note E4, and a half note D4. The bass clef staff contains a quarter note G2, a quarter note F2, and a half note E2. A repeat sign is at the end of the system.

18

Exercise 18, measures 1-4. The score is in treble and bass clefs. Measures 1-2 show a sequence of notes in the treble: C4 (quarter), D4 (quarter), E4 (quarter), F#4 (quarter), G4 (half). The bass line has C3 (quarter), D3 (quarter), E3 (quarter), F#3 (quarter), G3 (half). Measures 3-4 show a sequence of notes in the treble: A4 (quarter), B4 (quarter), C5 (quarter), D5 (quarter), E5 (half). The bass line has A3 (quarter), B3 (quarter), C4 (quarter), D4 (quarter), E4 (half). The key signature has one sharp (F#).

3 Diminished Chords in C6 Diminished Scale

Exercise 19, measures 1-4. The score is in treble clef. Measures 1-2 show a sequence of notes: C4 (quarter), D4 (quarter), E4 (quarter), F#4 (quarter), G4 (half). The bass line has C3 (quarter), D3 (quarter), E3 (quarter), F#3 (quarter), G3 (half). Measures 3-4 show a sequence of notes: A4 (quarter), B4 (quarter), C5 (quarter), D5 (quarter), E5 (half). The bass line has A3 (quarter), B3 (quarter), C4 (quarter), D4 (quarter), E4 (half). The key signature has one sharp (F#).

Exercise 20, measures 1-4. The score is in treble clef. Measures 1-2 show a sequence of notes: C4 (quarter), D4 (quarter), E4 (quarter), F#4 (quarter), G4 (half). The bass line has C3 (quarter), D3 (quarter), E3 (quarter), F#3 (quarter), G3 (half). Measures 3-4 show a sequence of notes: A4 (quarter), B4 (quarter), C5 (quarter), D5 (quarter), E5 (half). The bass line has A3 (quarter), B3 (quarter), C4 (quarter), D4 (quarter), E4 (half). The key signature has one sharp (F#).

1

Exercise 21, measures 1-4. The score is in treble and bass clefs. Measures 1-2 show a sequence of notes in the treble: C4 (quarter), D4 (quarter), E4 (quarter), F#4 (quarter), G4 (half). The bass line has C3 (quarter), D3 (quarter), E3 (quarter), F#3 (quarter), G3 (half). Measures 3-4 show a sequence of notes in the treble: A4 (quarter), B4 (quarter), C5 (quarter), D5 (quarter), E5 (half). The bass line has A3 (quarter), B3 (quarter), C4 (quarter), D4 (quarter), E4 (half). The key signature has one sharp (F#).

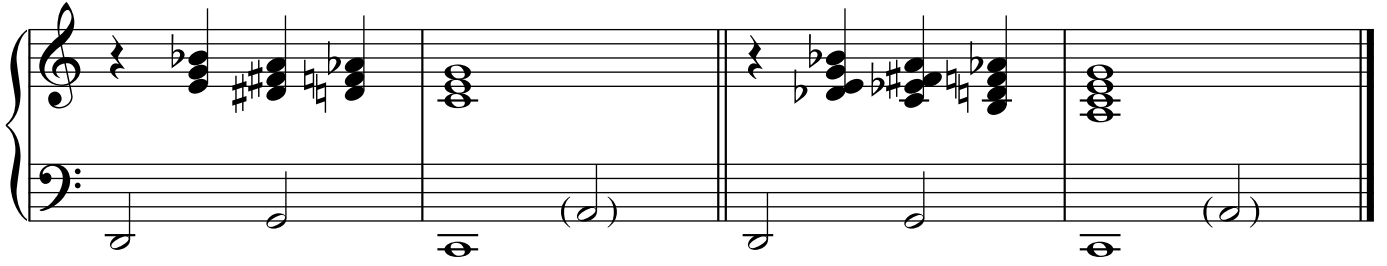
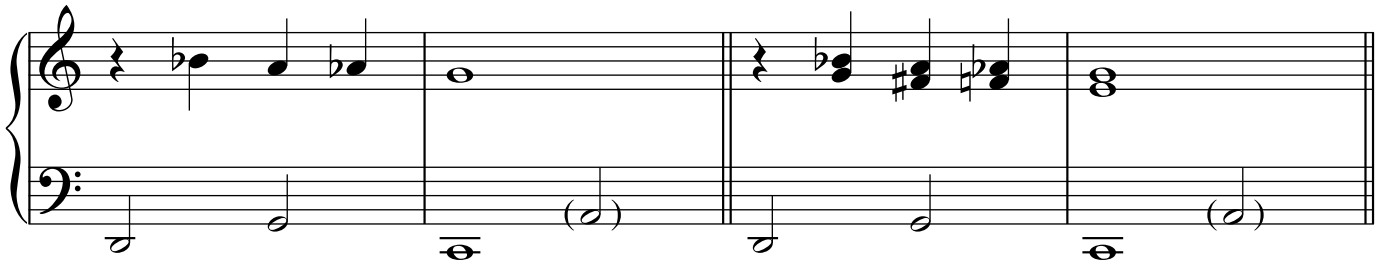
A musical score for the song 'The Rose Tree'. It features a treble and bass staff. The treble staff contains a melody with a key signature of one sharp (F#) and a 3/4 time signature. The bass staff contains a simple accompaniment. The score is divided into two systems by a double bar line. The first system has three measures, and the second system has three measures. The melody in the treble staff is:
 Measure 1: Quarter rest, quarter note F#4, quarter note G#4.
 Measure 2: Quarter note A#4, quarter note B4, quarter note A#4.
 Measure 3: Quarter note G#4, quarter note F#4, quarter note E4.
 The accompaniment in the bass staff is:
 Measure 1: Quarter note C3, quarter note D3, quarter note E3.
 Measure 2: Quarter note F3, quarter note G3, quarter note A3.
 Measure 3: Quarter note B3, quarter note C4, quarter note D4.
 The second system repeats the first system.

A musical score for the song 'The Rose Tree'. The score is written for a piano, with a treble and bass staff. The key signature is one sharp (F#), and the time signature is 4/4. The melody is in the treble staff, and the bass staff provides a simple accompaniment. The score consists of two systems, each with three measures. The first system ends with a double bar line, and the second system ends with a final double bar line. The melody is a simple, folk-like tune, and the bass line is a simple accompaniment.

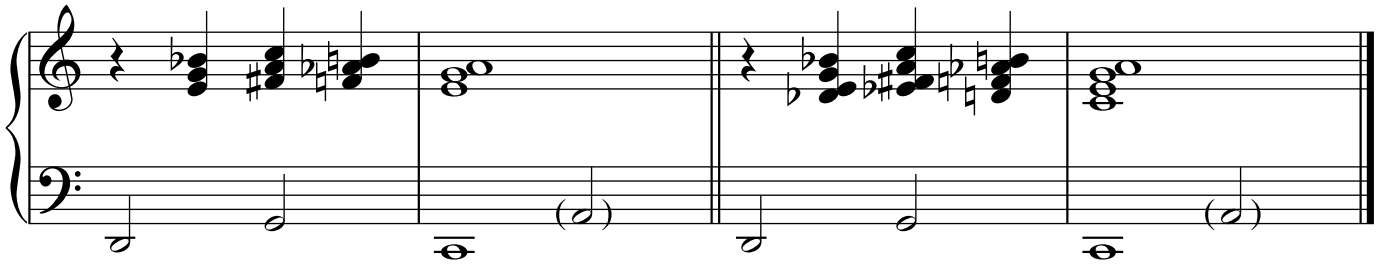
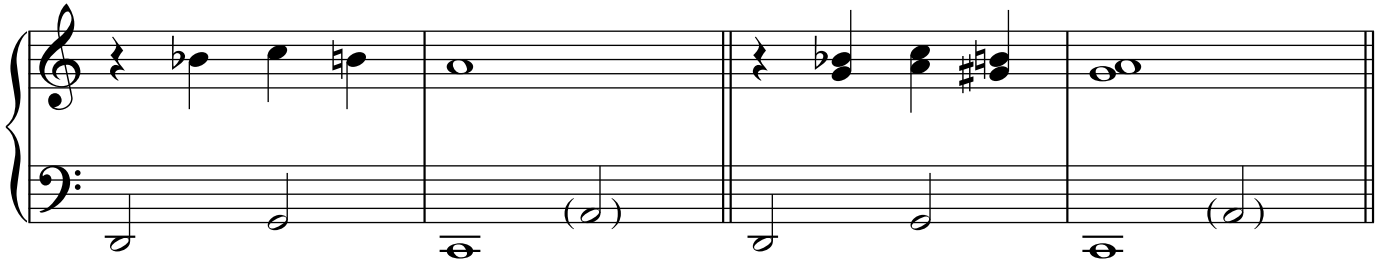
④

A musical score for the song 'The Rose Tree'. It features a treble and bass staff. The treble staff contains a melody with a key signature of one sharp (F#) and a 2/4 time signature. The bass staff provides a simple harmonic accompaniment. The melody consists of a series of eighth and sixteenth notes, with a final measure containing a double bar line and a repeat sign. The bass staff has a key signature of one flat (Bb) and a 2/4 time signature. It features a simple harmonic accompaniment with a key signature of one flat (Bb) and a 2/4 time signature. The melody consists of a series of eighth and sixteenth notes, with a final measure containing a double bar line and a repeat sign.

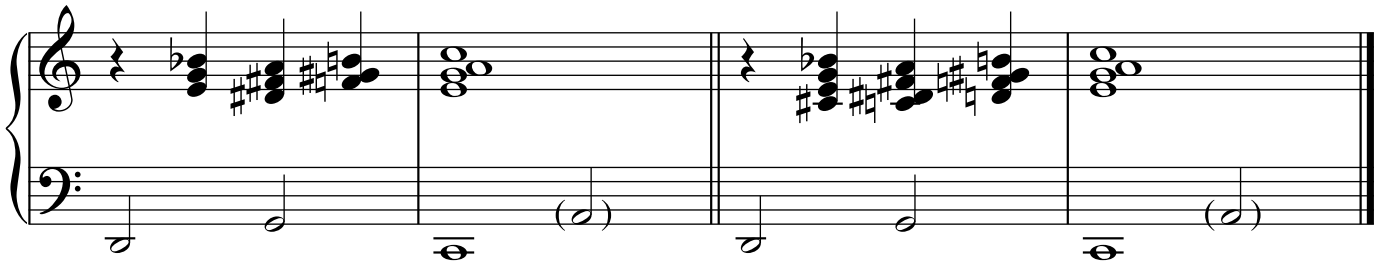
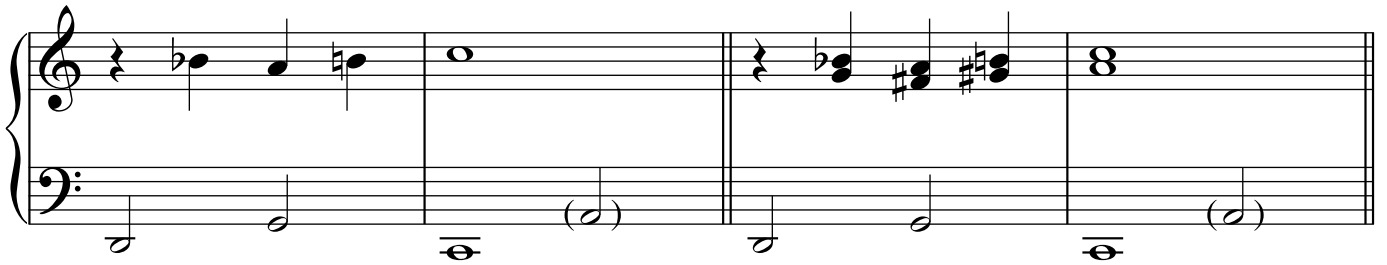
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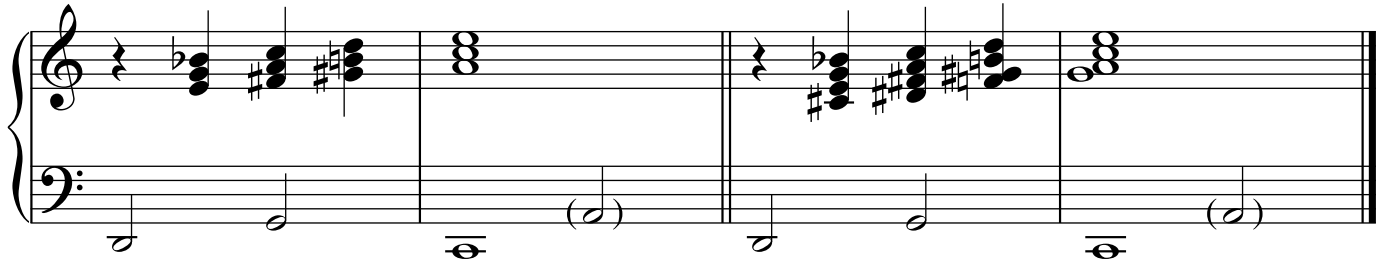
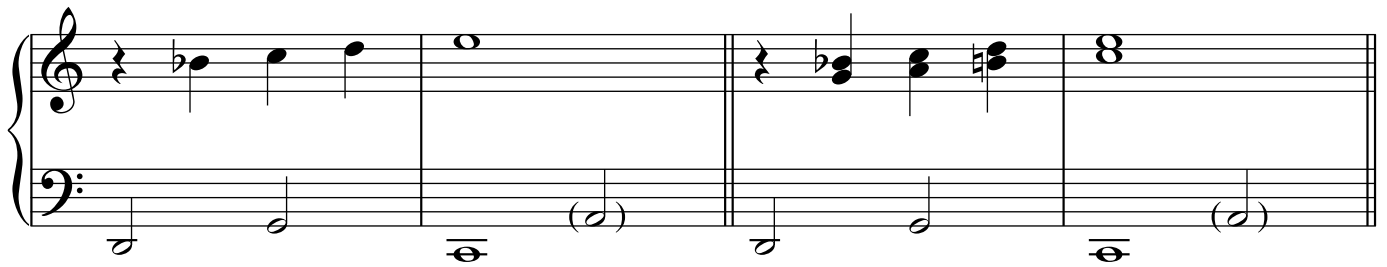
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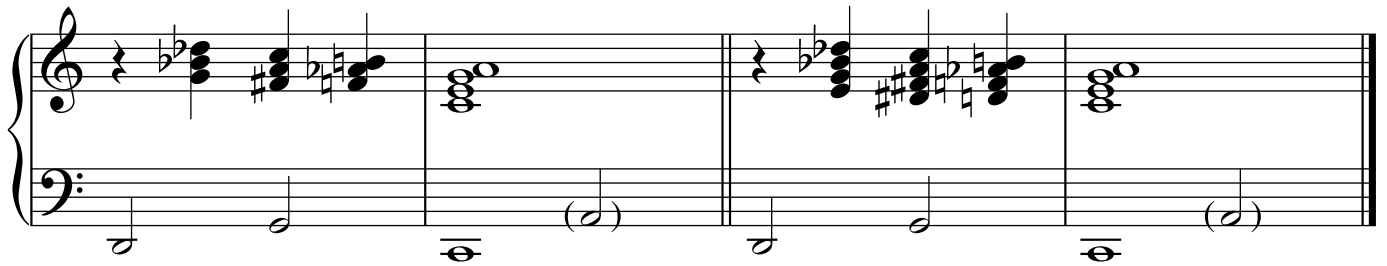
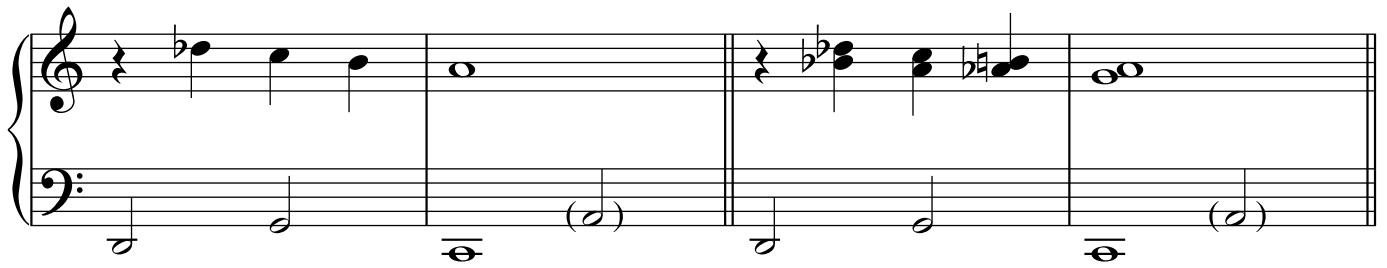
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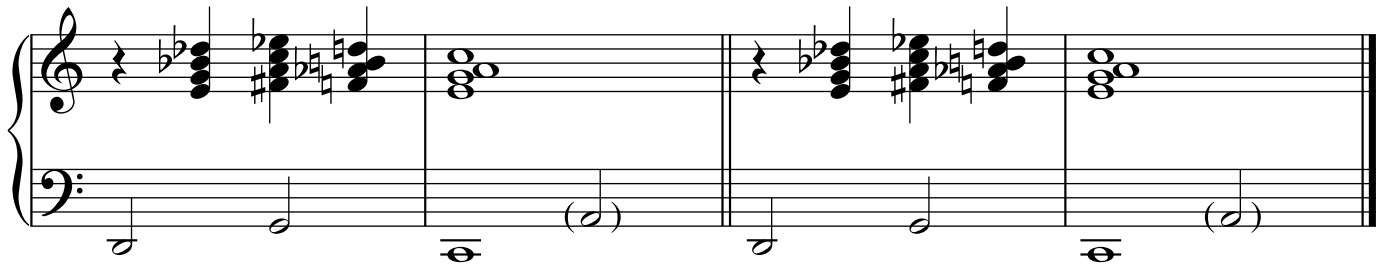
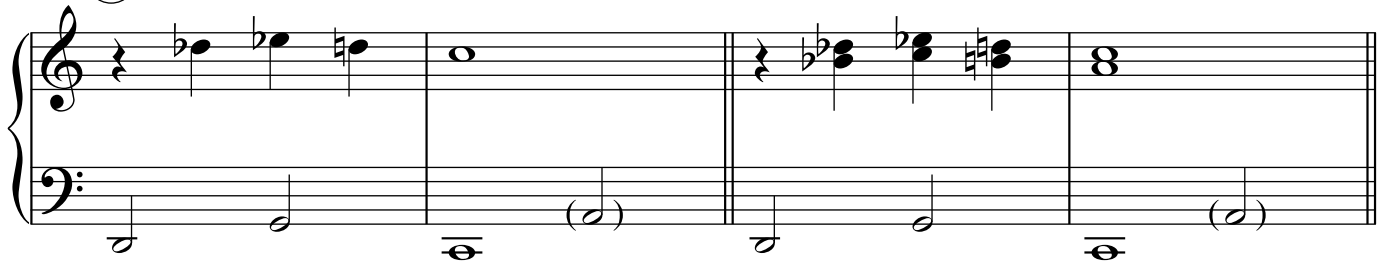
⑧



⑨



⑩



11

First system of exercise 11. The treble clef staff contains a quarter rest, followed by a half note B-flat, a quarter note A, and a half note G. The bass clef staff contains a half note C, a half note D, and a whole note E. The system concludes with a double bar line.

Second system of exercise 11. The treble clef staff contains a quarter rest, followed by a half note B-flat, a quarter note A, and a half note G. The bass clef staff contains a half note C, a half note D, and a whole note E. The system concludes with a double bar line.

12

First system of exercise 12. The treble clef staff contains a quarter rest, followed by a half note B-flat, a quarter note A, and a half note G. The bass clef staff contains a half note C, a half note D, and a whole note E. The system concludes with a double bar line.

Second system of exercise 12. The treble clef staff contains a quarter rest, followed by a half note B-flat, a quarter note A, and a half note G. The bass clef staff contains a half note C, a half note D, and a whole note E. The system concludes with a double bar line.

13

First system of exercise 13. The treble clef staff contains a quarter rest, followed by a half note B-flat, a quarter note A, and a half note G. The bass clef staff contains a half note C, a half note D, and a whole note E. The system concludes with a double bar line.

Second system of exercise 13. The treble clef staff contains a quarter rest, followed by a half note B-flat, a quarter note A, and a half note G. The bass clef staff contains a half note C, a half note D, and a whole note E. The system concludes with a double bar line.

14

System 14, measures 1-2. The treble clef staff contains a quarter rest, followed by eighth notes G4, F#4, and E4, and a half note D4. The bass clef staff contains a half note G3, a half note F#3, and a half note E3. A double bar line is present after measure 1.

System 14, measures 3-4. The treble clef staff contains a quarter rest, followed by a chord of G#4, A#4, and Bb4, then a chord of G#4, A#4, and Bb4, and finally a whole note G4. The bass clef staff contains a half note G3, a half note F#3, and a half note E3. A double bar line is present after measure 3.

15

System 15, measures 1-2. The treble clef staff contains a quarter rest, followed by eighth notes G4, F#4, and E4, and a half note D4. The bass clef staff contains a half note G3, a half note F#3, and a half note E3. A double bar line is present after measure 1.

System 15, measures 3-4. The treble clef staff contains a quarter rest, followed by a chord of G#4, A#4, and Bb4, then a chord of G#4, A#4, and Bb4, and finally a whole note G4. The bass clef staff contains a half note G3, a half note F#3, and a half note E3. A double bar line is present after measure 3.

16

System 16, measures 1-2. The treble clef staff contains a quarter rest, followed by eighth notes G4, F#4, and E4, and a half note D4. The bass clef staff contains a half note G3, a half note F#3, and a half note E3. A double bar line is present after measure 1.

System 16, measures 3-4. The treble clef staff contains a quarter rest, followed by a chord of G#4, A#4, and Bb4, then a chord of G#4, A#4, and Bb4, and finally a whole note G4. The bass clef staff contains a half note G3, a half note F#3, and a half note E3. A double bar line is present after measure 3.

3 Diminished Chords in C6 Diminished Scale

Diagram illustrating the C6 Diminished Scale (1 7 6 b6 5 4 3 2 1 7) with three diminished chords highlighted:

- m3 F# Diminished* (Notes: 1, 7, 6)
- m3 E Diminished* (Notes: 5, 4, 3)
- m3 B Diminished* (Notes: 2, 1, 7)

Only M3!

Diagram illustrating the four chords in the C6 Diminished Scale:

- F#^{o7}
- E^{o7}
- B^{o7}
- C⁶

① At Piano: Switch Hands/Swap, Mix and Match

Exercise 1: At Piano: Switch Hands/Swap, Mix and Match. This exercise shows a sequence of chords in the C6 Diminished Scale, alternating between the left and right hands.

Exercise 2: M3. This exercise focuses on the Major 3rd interval (M3) between the root and the third of the chords in the C6 Diminished Scale.

Exercise 3: M2. This exercise focuses on the Major 2nd interval (M2) between the root and the second of the chords in the C6 Diminished Scale.

Exercise 4: This exercise shows a sequence of chords in the C6 Diminished Scale, alternating between the left and right hands.

①



②



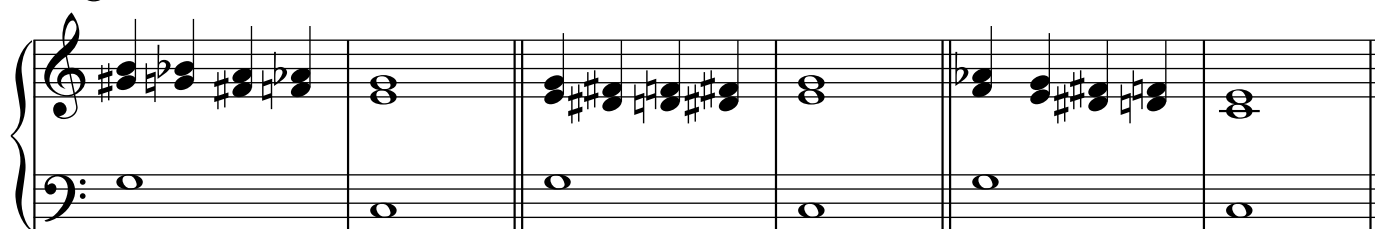
③



④



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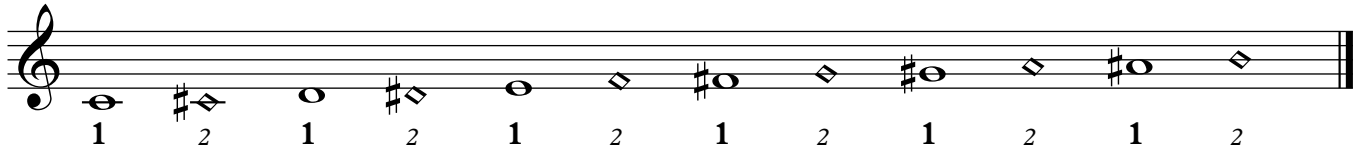




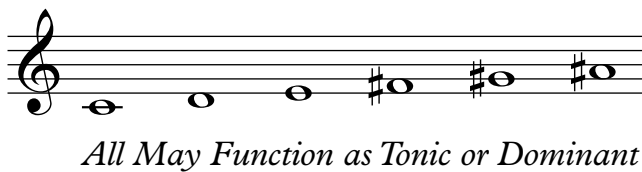
Chromatic Whole Tones

JC Heisler

Chromatic Scale: 12 Notes Cadencing in Half Steps with Binary Relationship



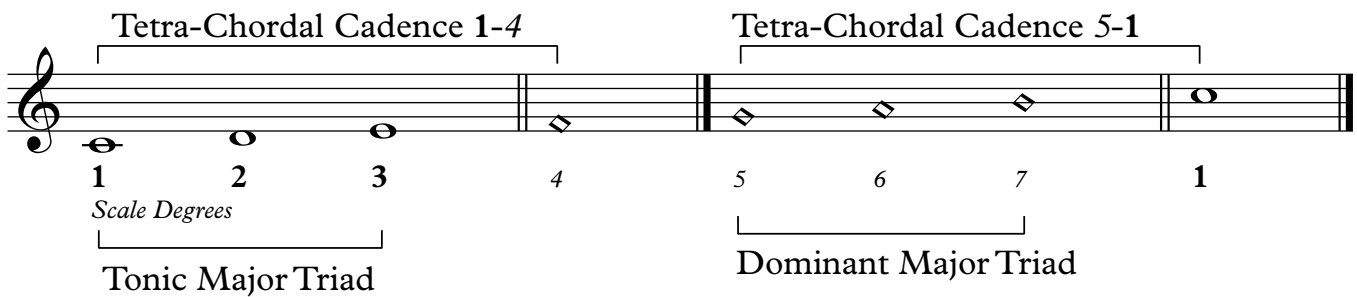
Whole Tone Scale 1: Six Notes



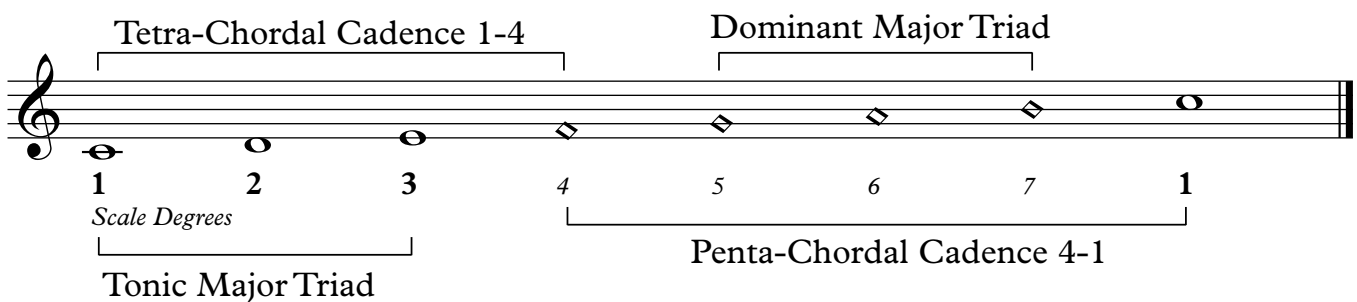
Whole Tone Scale 2: Six Notes



C Major Scale Cadencing at the Tetra Chord in Half Steps (double barline) from One Whole Tone Scale, Back to the Other.



C Major Scale Cadencing at the Tetra Chord and the Penta Chord



Whole Tone Scale: The Symetry of the Octave in Tri-Tones

The diagram illustrates the Whole Tone Scale in two parts, separated by a double bar line. The first part shows the ascending scale: C, D, E, F#, G, A. The second part shows the descending scale: B, A, G, F, E, D, C. Brackets above the notes group the intervals into two pairs of 'Tri-Tone' (three semitones). Brackets below the notes group the intervals into two pairs of 'Three Major 2nds' (three major seconds). The intervals are labeled as (M2 M2 M2) for each group.

Intervals of Harmonic Major 3rds in the Whole Tone Scales

Voice 1 **Voice 2**

The diagram shows two voices, Voice 1 and Voice 2, each playing a sequence of notes. Voice 1 plays C, D, E, F#, G, A. Voice 2 plays B, A, G, F, E, D, C. The intervals between the notes in each voice are all Major 3rds (four semitones).

Voice 1 and Voice 2: Six Major Tonalities Functioning as I or V

C D E F# A $\flat$ B $\flat$

The diagram shows six major tonalities functioning as I or V. The notes are C, D, E, F#, A $\flat$, and B $\flat$. The intervals between the notes are all Major 3rds (four semitones).

Voice 1 **Voice 2**

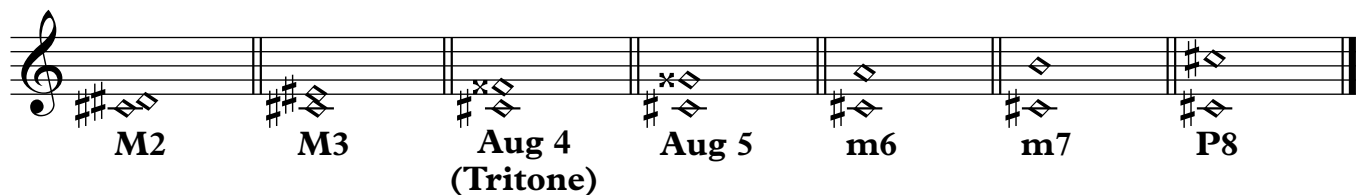
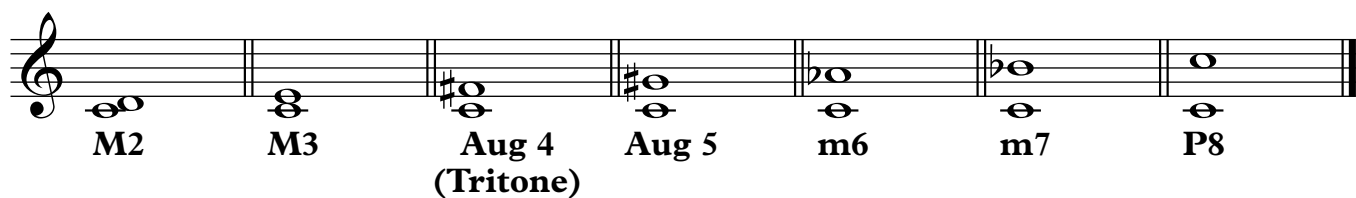
The diagram shows two voices, Voice 1 and Voice 2, each playing a sequence of notes. Voice 1 plays C, D, E, F#, G, A. Voice 2 plays B, A, G, F, E, D, C. The intervals between the notes in each voice are all Major 3rds (four semitones).

Voice 1 and Voice 2: Six Major Tonalities Functioning as I or V

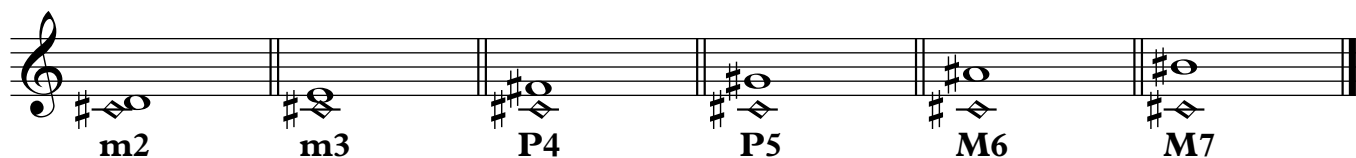
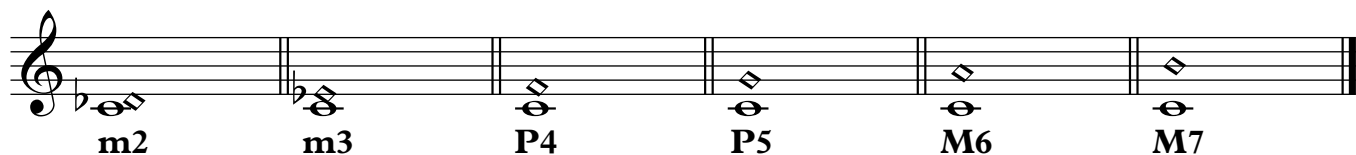
D $\flat$ E $\flat$ F G A B

The diagram shows six major tonalities functioning as I or V. The notes are D $\flat$, E $\flat$, F, G, A, and B. The intervals between the notes are all Major 3rds (four semitones).

Harmonic Intervals Made from One Whole Tone Scale



Harmonic Intervals Made from Two Whole Tone Scales



Whole Tone Scales' Relationship to Diatonic Harmonic Function

Whole Tone Scale 1: Six Notes

Whole Tone Scale 2: Six Notes



As Tonic: all may be Scale Degrees 1, 2, 3

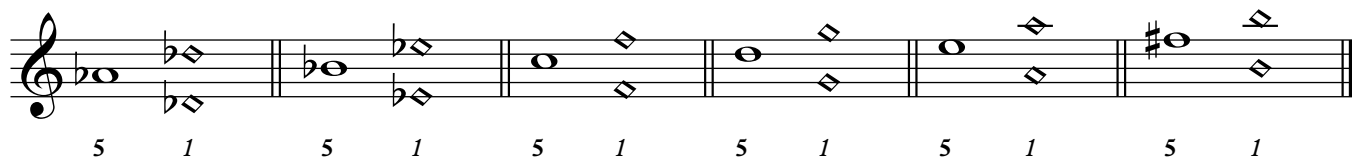
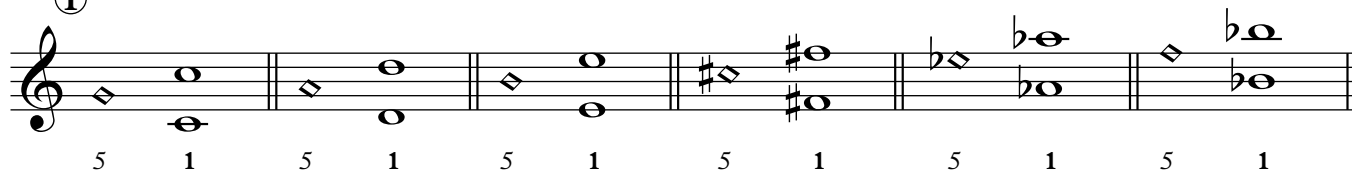
As Dominant: all may be Scale Degrees 4, 5, 6, 7

(Due to the Symetry: Vice Versa)

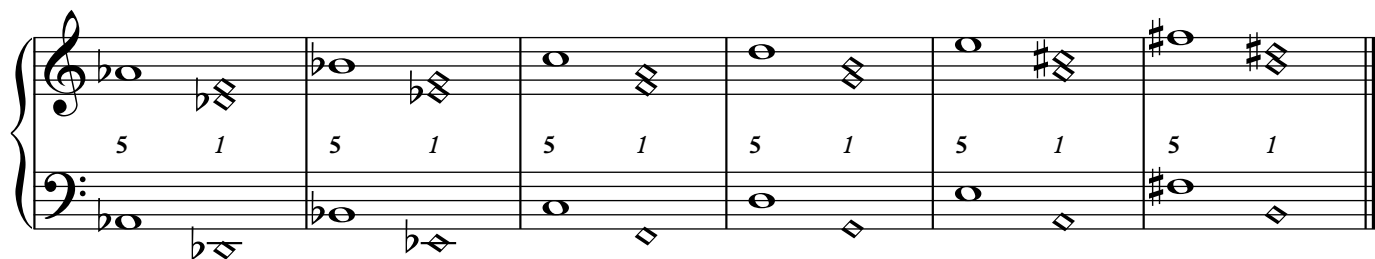
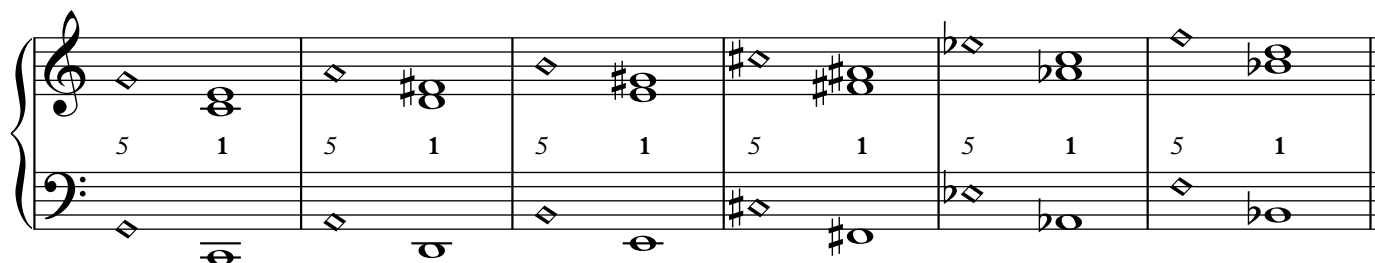
Melodic Intervals that Cadence from One WT Scale to the Other WT Scale

Perfect 5th Down / Perfect Fourth Up

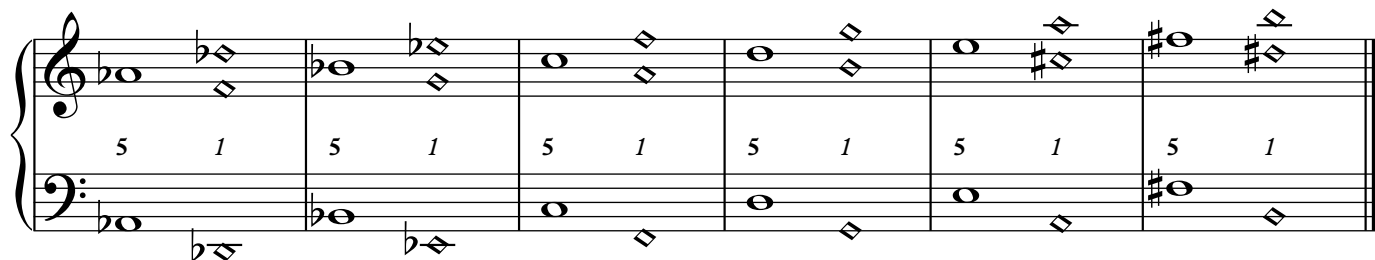
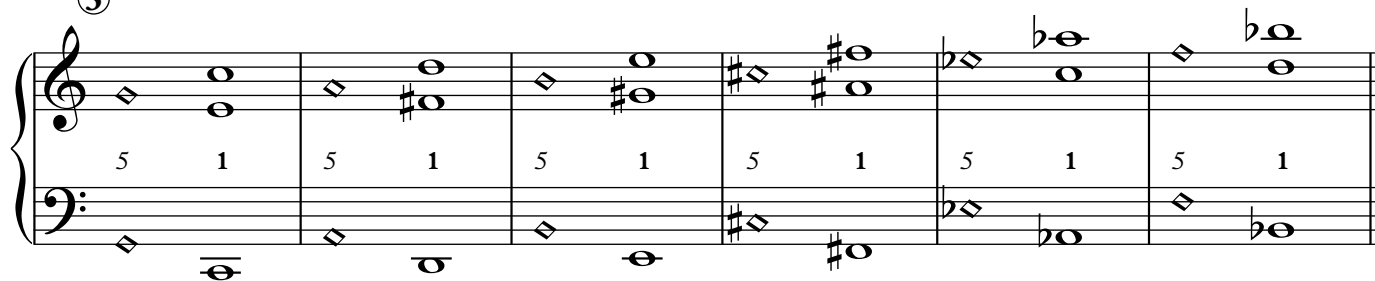
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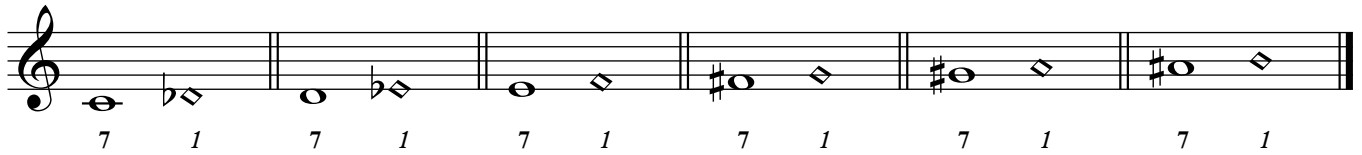
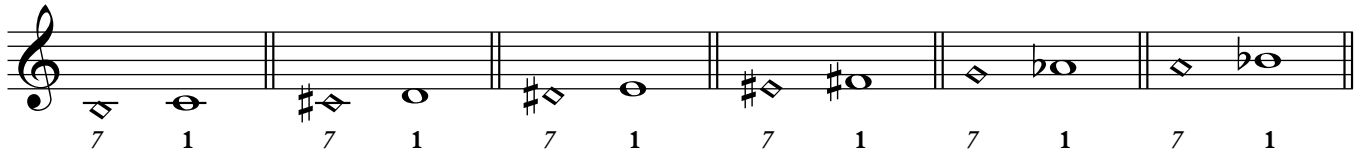


③



Diatonic Half Steps Up to Tonic.
Could also be (3-4) depending on Bass Movement

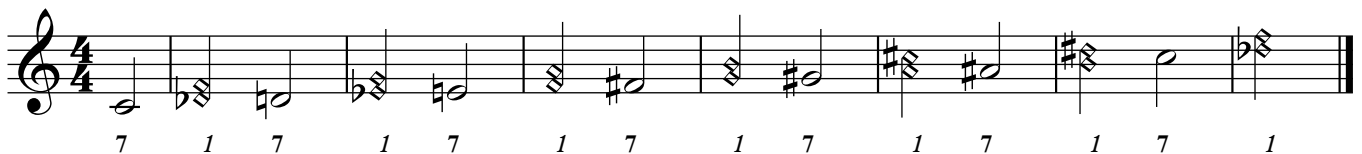
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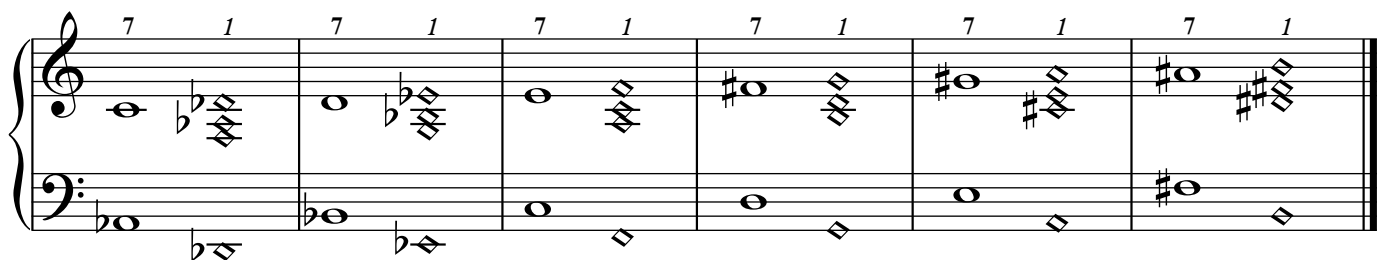
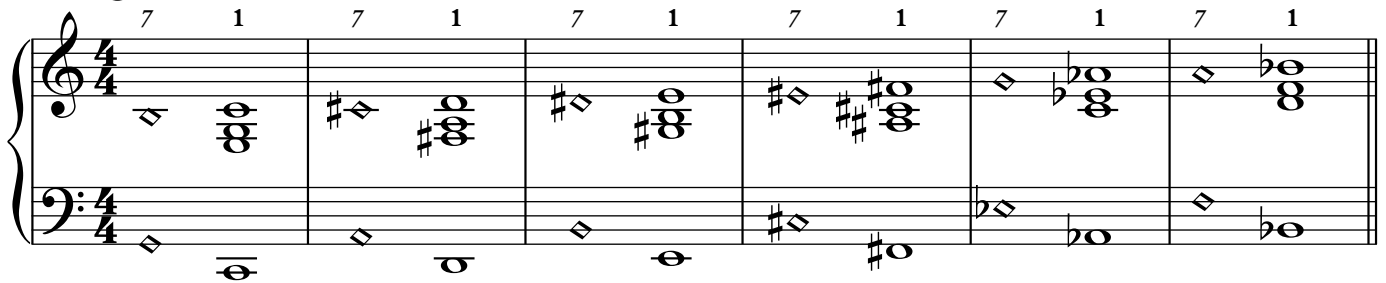
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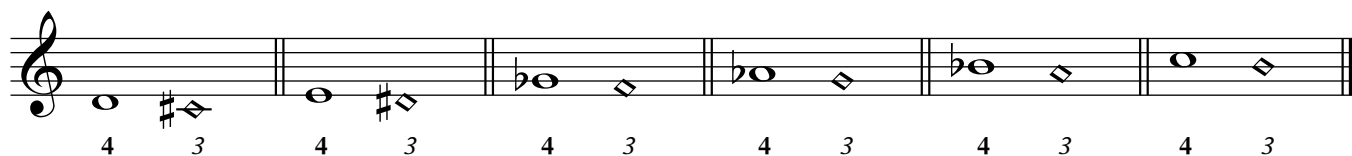
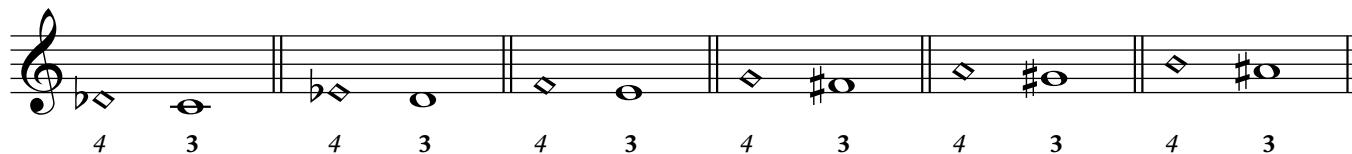


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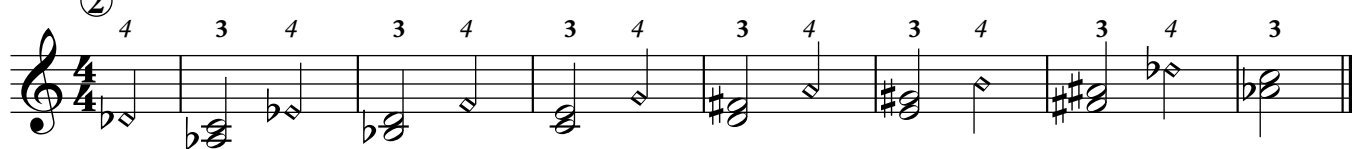


Diatonic Half Steps Down Sub-Dominant to Mediant
Could also be (b2-1) or (b6-5) depending on Bass Movement

①



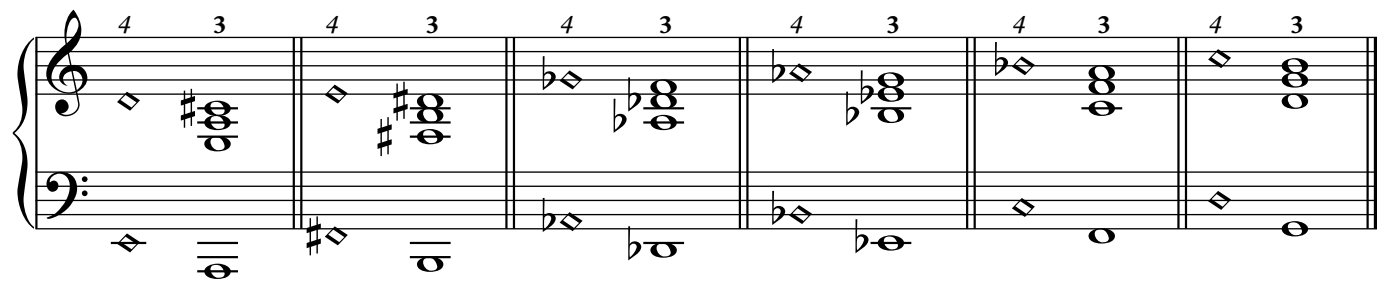
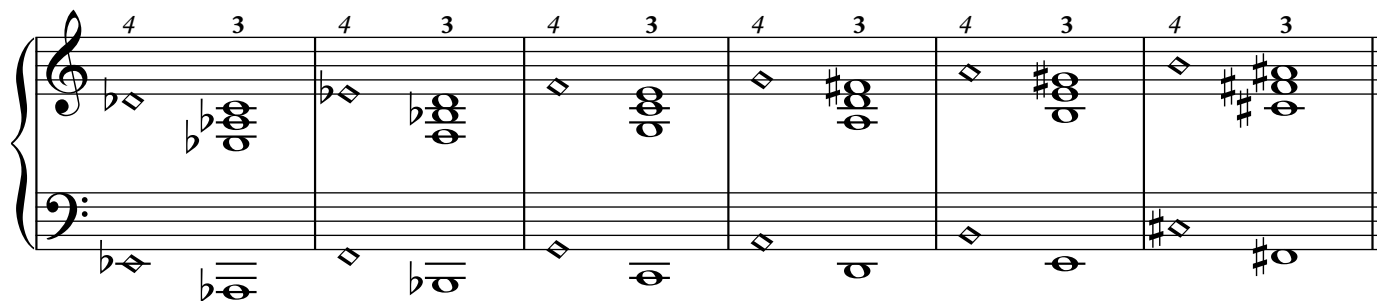
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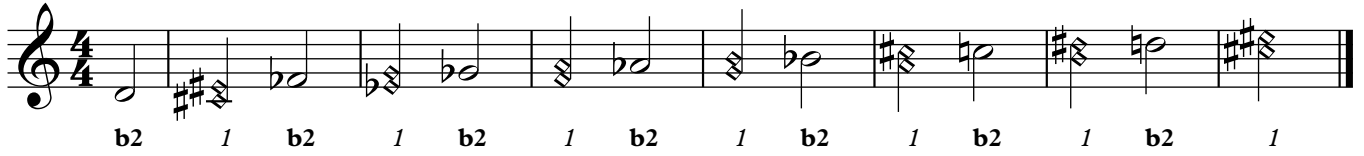
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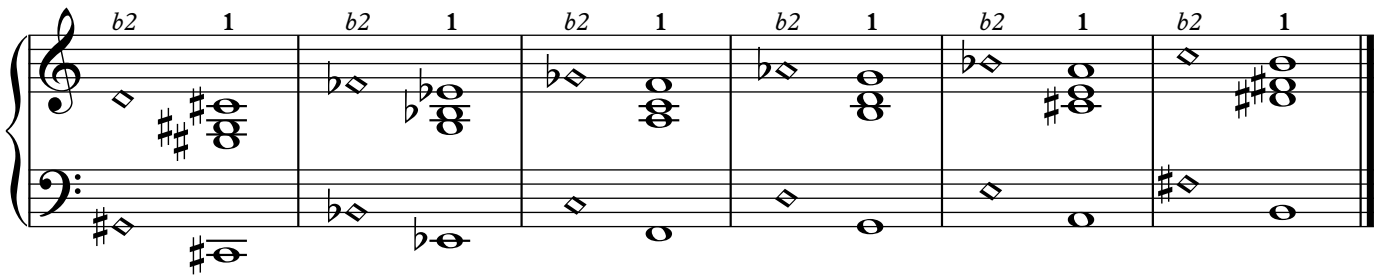
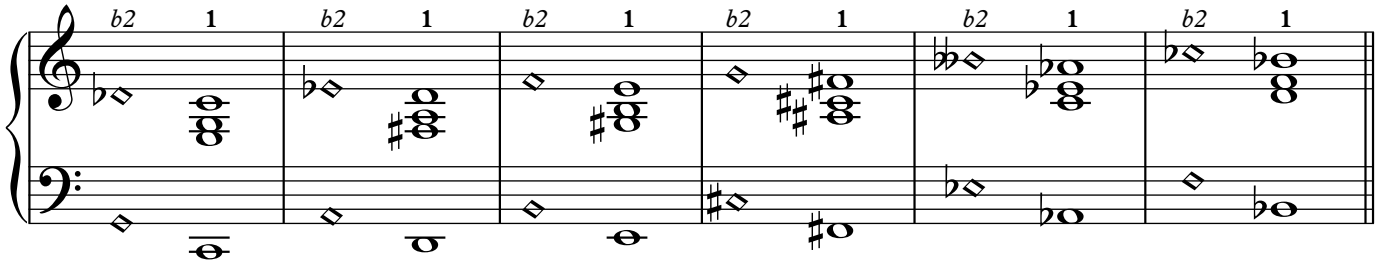
⑤



⑥



⑦



⑧



⑨



10

The first system of musical notation consists of six measures. Each measure is marked with a flat (b) and a 5 above the treble clef staff. The notation is as follows:

Measure	Treble Clef	Bass Clef
1	Half note Bb, Quarter note Gb, Quarter note Fb, Quarter note Eb	Half note Bb, Quarter note Gb, Quarter note Fb, Quarter note Eb
2	Half note Bb, Quarter note Gb, Quarter note Fb, Quarter note Eb	Half note Bb, Quarter note Gb, Quarter note Fb, Quarter note Eb
3	Half note Bb, Quarter note Gb, Quarter note Fb, Quarter note Eb	Half note Bb, Quarter note Gb, Quarter note Fb, Quarter note Eb
4	Half note Bb, Quarter note Gb, Quarter note Fb, Quarter note Eb	Half note Bb, Quarter note Gb, Quarter note Fb, Quarter note Eb
5	Half note Bb, Quarter note Gb, Quarter note Fb, Quarter note Eb	Half note Bb, Quarter note Gb, Quarter note Fb, Quarter note Eb
6	Half note Bb, Quarter note Gb, Quarter note Fb, Quarter note Eb	Half note Bb, Quarter note Gb, Quarter note Fb, Quarter note Eb

The second system of musical notation consists of six measures. Each measure is marked with a flat (b) and a 5 above the treble clef staff. The notation is as follows:

Measure	Treble Clef	Bass Clef
1	Half note Bb, Quarter note Gb, Quarter note Fb, Quarter note Eb	Half note Bb, Quarter note Gb, Quarter note Fb, Quarter note Eb
2	Half note Bb, Quarter note Gb, Quarter note Fb, Quarter note Eb	Half note Bb, Quarter note Gb, Quarter note Fb, Quarter note Eb
3	Half note Bb, Quarter note Gb, Quarter note Fb, Quarter note Eb	Half note Bb, Quarter note Gb, Quarter note Fb, Quarter note Eb
4	Half note Bb, Quarter note Gb, Quarter note Fb, Quarter note Eb	Half note Bb, Quarter note Gb, Quarter note Fb, Quarter note Eb
5	Half note Bb, Quarter note Gb, Quarter note Fb, Quarter note Eb	Half note Bb, Quarter note Gb, Quarter note Fb, Quarter note Eb
6	Half note Bb, Quarter note Gb, Quarter note Fb, Quarter note Eb	Half note Bb, Quarter note Gb, Quarter note Fb, Quarter note Eb

Diatonic Melodic Cadences
from One WT Scale (*V*) to the Other WT Scale (*I*)
in C Major

①

First system of musical notation for cadence 1. It consists of two staves (treble and bass clef). The treble staff contains a C major scale starting on G4 (the fifth line), moving up stepwise to C5 (the first line). The bass staff contains a C major scale starting on C3 (the first line), moving up stepwise to C4 (the first space). The piece ends with a double bar line.

Second system of musical notation for cadence 1. It consists of two staves (treble and bass clef). The treble staff contains a C major scale starting on G4 (the fifth line), moving up stepwise to C5 (the first line). The bass staff contains a C major scale starting on C3 (the first line), moving up stepwise to C4 (the first space). The piece ends with a double bar line.

②

Third system of musical notation for cadence 1. It consists of two staves (treble and bass clef). The treble staff contains a C major scale starting on G4 (the fifth line), moving up stepwise to C5 (the first line). The bass staff contains a C major scale starting on C3 (the first line), moving up stepwise to C4 (the first space). The piece ends with a double bar line.

V *I* *V* *I*

③

Fourth system of musical notation for cadence 1. It consists of two staves (treble and bass clef). The treble staff contains a C major scale starting on G4 (the fifth line), moving up stepwise to C5 (the first line). The bass staff contains a C major scale starting on C3 (the first line), moving up stepwise to C4 (the first space). The piece ends with a double bar line.

V *I* *V* *V* *I* *V* *I*

Fifth system of musical notation for cadence 1. It consists of two staves (treble and bass clef). The treble staff contains a C major scale starting on G4 (the fifth line), moving up stepwise to C5 (the first line). The bass staff contains a C major scale starting on C3 (the first line), moving up stepwise to C4 (the first space). The piece ends with a double bar line.

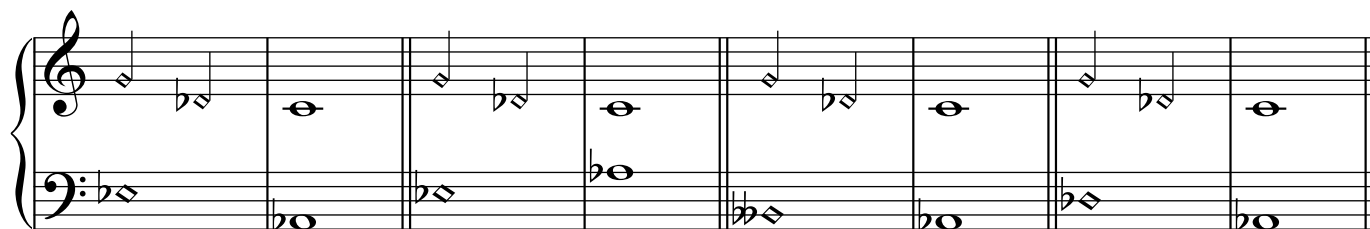
V *I* *V* *I* *V* *I* *V* *I*

Diatonic Melodic Cadences
from One WT Scale (*V*) to the Other WT Scale (*I*)

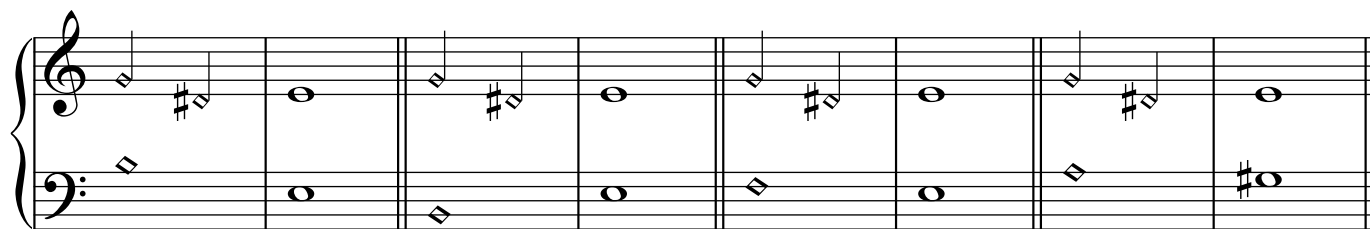
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⑤



Whole Tones and Running the Tonics

JC Heisler

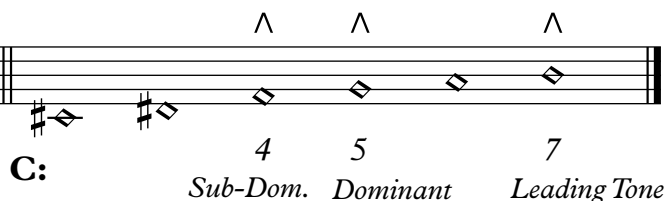
Chromatic Scale: 12 Notes Cadencing in Half Steps with Binary Relationship



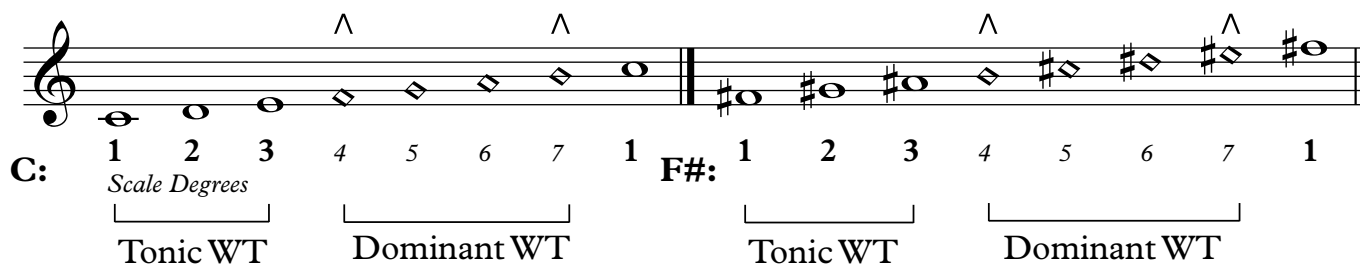
Tonic Whole Tone Scale



Dominant Whole Tone Scale



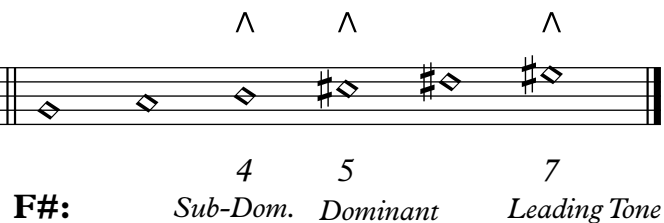
C Major and F# Major Share the Same 4th and 7th Scale Degrees, Inversely



Tonic Whole Tone Scale



Dominant Whole Tone Scale



Voice 1

Tri-Tone Tri-Tone

1 2 3 1 2 3 1

C: F#:

Voice 2

Tri-Tone Tri-Tone

5 6 7 5 6 7 5

C: F#:

Voice 1 and Voice 2

5 1 5 1 5 1

① 1 7 1 1 7 1

C: F#:

② 1 4 1 1 4 1

C: F#:

③ 3 4 3 3 4 3

C: F#:

④

3 7 3 3 7 3

C: F#: C: F#: C: F#:

1 5 1 1 5 1

⑤

3 2 1 3 2 1

C: F#: F#:

1 5 1 1 5 1

⑥

3 *b6* 1 3 *b6* 1

C: F#: C: F#: C: F#:

1 5 1 1 5 1

⑦

5 4 3 5 4 3

C: F#: F#:

1 5 1 1 5 1

⑧

5 7 3 5 7 3

C: F#: C: F#: C: F#:

1 5 1 1 5 1

⑨

6 7 1 6 7 1

C: F#:

1 5 1 1 5 1

⑩

6 4 1 6 4 1

C: F#: C: F#: C: F#:

1 5 1 1 5 1

Running the Tonics

①

First system of a musical score. The treble clef staff contains a melodic line with a sequence of eighth notes: G4, A4, B4, C#5, D5, E5, F#5, G5, followed by a half note G5 marked with an accent (^). The bass clef staff contains a simple accompaniment of half notes: G3, B2, and a whole note G3.

Second system of the musical score. The treble clef staff continues the melodic line with eighth notes: A5, B5, C#6, D6, E6, F#6, G6, followed by a half note G6. The bass clef staff continues with half notes: B2, D3, and a whole note B2.

Third system of the musical score, marked with a circled 2 (②). The treble clef staff features a sequence of eighth notes: G4, A4, B4, C#5, D5, E5, F#5, G5, followed by a half note G5. The bass clef staff continues with half notes: D3, F#2, and a whole note D3.

Fourth system of the musical score. The treble clef staff contains a sequence of eighth notes: A4, B4, C#5, D5, E5, F#5, G5, followed by a half note G5 marked with an accent (^). The bass clef staff continues with half notes: F#2, A2, and a whole note F#2.

Fifth system of the musical score. The treble clef staff contains a sequence of eighth notes: B4, C#5, D5, E5, F#5, G5, followed by a half note G5. The bass clef staff continues with half notes: A2, C3, and a whole note A2.

First system of musical notation. Treble clef, key signature of one sharp (F#). The melody consists of an ascending eighth-note scale from D4 to D5, followed by a whole note D5. The bass line consists of a half note D3, followed by a whole note D3.

Second system of musical notation. Treble clef, key signature of one sharp (F#). The melody consists of an ascending eighth-note scale from D4 to D5, followed by a whole note D5. The bass line consists of a half note D3, followed by a whole note D3.

③

Third system of musical notation. Treble clef, key signature of one sharp (F#), 4/4 time signature. The melody consists of an ascending eighth-note scale from D4 to D5, followed by a whole note D5. The bass line consists of a half note D3, followed by a whole note D3.

Fourth system of musical notation. Treble clef, key signature of one sharp (F#). The melody consists of an ascending eighth-note scale from D4 to D5, followed by a whole note D5. The bass line consists of a half note D3, followed by a whole note D3.

Fifth system of musical notation. Treble clef, key signature of one sharp (F#). The melody consists of an ascending eighth-note scale from D4 to D5, followed by a whole note D5. The bass line consists of a half note D3, followed by a whole note D3.

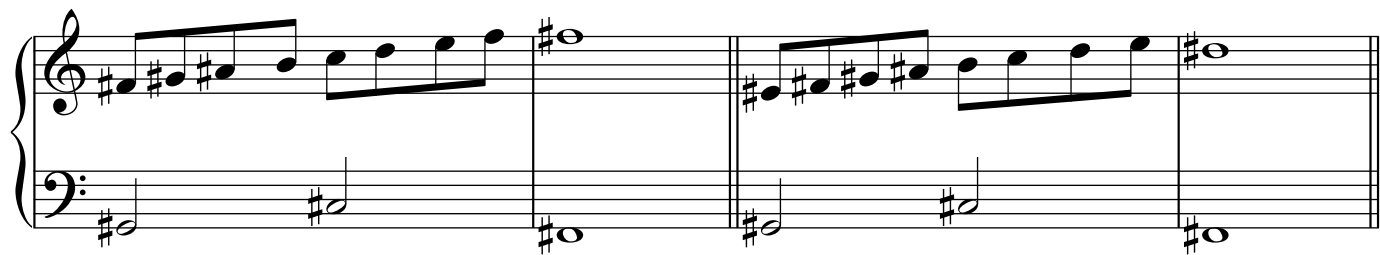
First system of musical notation. Treble clef, key signature of one sharp (F#). The melody in the treble clef features a sequence of eighth notes: F#4, G#4, A4, B4, A4, G#4, F#4, E4, D4, C#4. There are two accents (^) above the melody, one over the eighth note A4 and another over the eighth note G#4. The bass clef accompaniment consists of a single eighth note F#3 followed by a half note G#3, and a whole note F#3.

Second system of musical notation. Treble clef, key signature of one sharp (F#). The melody in the treble clef continues with eighth notes: B4, A4, G#4, F#4, E4, D4, C#4, B4, A4, G#4, F#4, E4, D4, C#4. The bass clef accompaniment consists of a single eighth note F#3 followed by a half note G#3, and a whole note F#3.

Third system of musical notation. Treble clef, key signature of one sharp (F#), 4/4 time signature. The melody in the treble clef features a sequence of eighth notes: F#4, G#4, A4, B4, A4, G#4, F#4, E4, D4, C#4. There is an accent (^) above the melody over the eighth note G#4. The bass clef accompaniment consists of a single eighth note F#3 followed by a half note G#3, and a whole note F#3.

Fourth system of musical notation. Treble clef, key signature of one sharp (F#). The melody in the treble clef features a sequence of eighth notes: F#4, G#4, A4, B4, A4, G#4, F#4, E4, D4, C#4. There are two accents (^) above the melody, one over the eighth note A4 and another over the eighth note G#4. The bass clef accompaniment consists of a single eighth note F#3 followed by a half note G#3, and a whole note F#3.

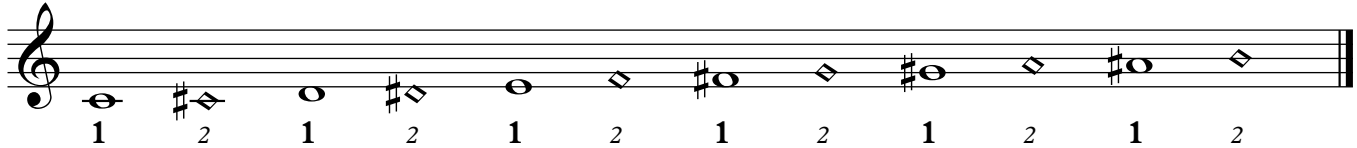
Fifth system of musical notation. Treble clef, key signature of one sharp (F#). The melody in the treble clef features a sequence of eighth notes: F#4, G#4, A4, B4, A4, G#4, F#4, E4, D4, C#4. The bass clef accompaniment consists of a single eighth note F#3 followed by a half note G#3, and a whole note F#3.



Diatonic Relationship of the Diminished Chords

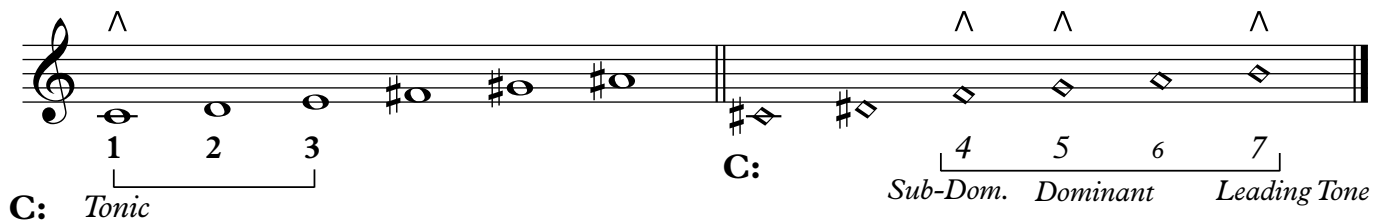
Barry Harris
arr. JC Heisler

Chromatic Scale: 12 Notes Cadencing in Half Steps with Binary Relationship

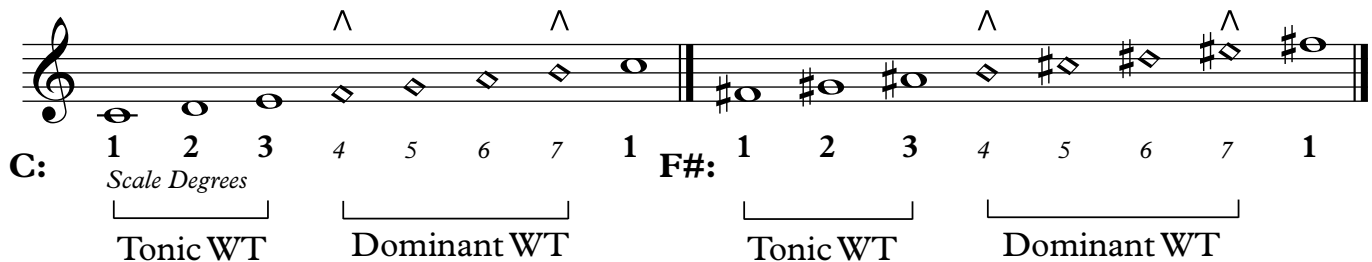


Tonic Whole Tone Scale

Dominant Whole Tone Scale

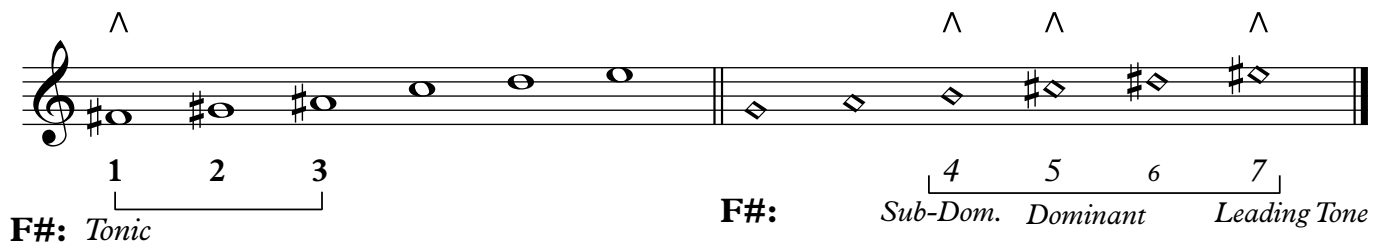


C Major and F# Major Share the Same 4th and 7th Scale Degrees, Inversely



Tonic Whole Tone Scale

Dominant Whole Tone Scale



Tri-Tone Tri-Tone Tri-Tone Tri-Tone

C: 1 2 3 F#: 1 2 3 1 C: 5 6 7 F#: 5 6 7 5

Tonic Whole Tone Scale

Dominant Whole Tone Scale

Eb: Tonic Eb: Sub-Dom. Dominant Leading Tone

Eb Major and A Major Share the Same 4th and 7th Scale Degrees, Inversely

Eb: 1 2 3 4 5 6 7 1 A: 1 2 3 4 5 6 7 1

Scale Degrees Tonic WT Dominant WT Tonic WT Dominant WT

Tonic Whole Tone Scale

Dominant Whole Tone Scale

A: Tonic A: Sub-Dom. Dominant Leading Tone

Tri-Tone Tri-Tone Tri-Tone Tri-Tone

Eb: 1 2 3 A: 1 2 3 1 Eb: 5 6 7 A: 5 6 7 5

Leading Tones of C, F#, Eb, and Ab Create a Diminished Chord

Leading Tones

One Diminished Chord (*Dominant Function*) for a Full Cadence to the Four Tonic 6 Chords

Lower One Voice of the Diminished Chord a Half Step to Spell the Four Dominant 7 Chords of the Preceding Tonic 6 Chords.

C: 7 V7 F#: 7 V7 A: 7 V7 Eb: 7 V7

Lower Two Consecutive Voices of the Diminished Chord a Half Step to Spell the Four V6 Chords of the Preceding Tonic 6 Chords.

C: 7 V6 F#: 7 V6 A: 7 V6 Eb: 7 V6

Lower Two Non-Consecutive Voices of the Diminished Chord a Half Step to Spell the Four (*Two*) Dominant 7(b5) Chords of the Preceding Tonic 6 Chords.

C: 7 V7(b5) F#: 7 V7(b5) A: 7 V7(b5) Eb: 7 V7(b5)

Raise One Voice of the Diminished Chord a Half Step to Spell a Minor 6 Chord (iv6) of the Preceding Tonic 6 Chords.

Diagram illustrating the transformation of a diminished chord (B°) into a minor 6 chord (Fm6) by raising one voice (the third) a half step. The sequence shows the progression: B° (C: 7) → Fm6 (C: iv6) || E#° (F#: 7) → Bm6 (F#: iv6) || G#° (A: 7) → Dm6 (A: iv6) || D° (Eb: 7) → Abm6 (Eb: iv6).

Raise Two Voices of the Diminished Chord a Half Step to Spell a Major 6 Chord (IV6) of the Preceding Tonic 6 Chords.

Diagram illustrating the transformation of a diminished chord (B°) into a major 6 chord (F6) by raising two voices (the third and seventh) a half step. The sequence shows the progression: B° (C: 7) → F6 (C: IV6) || E#° (F#: 7) → B6 (F#: IV6) || G#° (A: 7) → D6 (A: IV6) || D° (Eb: 7) → Ab6 (Eb: IV6).

The Fundamental Theme of Tonal Resolution: Tonic - Dominant - Tonic

Diagram illustrating the fundamental theme of tonal resolution: Tonic - Dominant - Tonic. The sequence shows the progression: C6 (C: I6) → B° (C: 7) → C6 (C: I6) || F#6 (F#: I6) → E#° (F#: 7) → F#6 (F#: I6) || A6 (A: I6) → G#° (A: 7) → A6 (A: I6) || Eb6 (Eb: I6) → D° (Eb: 7) → Eb6 (Eb: I6).

Voice Leading of IV6 - ° - I6

Diagram illustrating the voice leading of IV6 - ° - I6. The sequence shows the progression: F6 (C: IV6) → B° (C: 7) → C6 (C: I6) || B6 (F#: IV6) → E#° (F#: 7) → F#6 (F#: I6) || D6 (A: IV6) → G#° (A: 7) → A6 (A: I6) || Ab6 (Eb: IV6) → D° (Eb: 7) → Eb6 (Eb: I6).

Four Tonics that Share the Same Leading Tone Diminished Chord

① C⁶ o C⁶ o C⁶ o C⁶ o C⁶

C:

Detailed description: This staff shows the C major scale with the leading tone diminished chord (Bb) indicated by a red 'o' above the Bb note in measures 1, 2, 3, 4, and 5. The notes are: C4, Bb4, C5, Bb4, C5, Bb4, C5, Bb4, C5.

C⁶ o C⁶ o C⁶ o C⁶ o C⁶

C:

Detailed description: This staff shows the C major scale with the leading tone diminished chord (Bb) indicated by a red 'o' above the Bb note in measures 1, 2, 3, 4, and 5. The notes are: C4, Bb4, C5, Bb4, C5, Bb4, C5, Bb4, C5.

C⁶ o C⁶ o C⁶ o C⁶ o C⁶

C:

Detailed description: This staff shows the C major scale with the leading tone diminished chord (Bb) indicated by a red 'o' above the Bb note in measures 1, 2, 3, 4, and 5. The notes are: C4, Bb4, C5, Bb4, C5, Bb4, C5, Bb4, C5.

C⁶ o C⁶ o C⁶ o C⁶ o C⁶

C:

Detailed description: This staff shows the C major scale with the leading tone diminished chord (Bb) indicated by a red 'o' above the Bb note in measures 1, 2, 3, 4, and 5. The notes are: C4, Bb4, C5, Bb4, C5, Bb4, C5, Bb4, C5.

② Eb⁶ o Eb⁶ o Eb⁶ o Eb⁶ o Eb⁶

Eb:

Detailed description: This staff shows the Eb major scale with the leading tone diminished chord (Cb) indicated by a red 'o' above the Cb note in measures 1, 2, 3, 4, and 5. The notes are: Eb4, Cb4, Eb5, Cb4, Eb5, Cb4, Eb5, Cb4, Eb5.

Eb⁶ o Eb⁶ o Eb⁶ o Eb⁶ o Eb⁶

Eb:

Detailed description: This staff shows the Eb major scale with the leading tone diminished chord (Cb) indicated by a red 'o' above the Cb note in measures 1, 2, 3, 4, and 5. The notes are: Eb4, Cb4, Eb5, Cb4, Eb5, Cb4, Eb5, Cb4, Eb5.

Eb⁶ o Eb⁶ o Eb⁶ o Eb⁶ o Eb⁶

Eb:

Detailed description: This staff shows the Eb major scale with the leading tone diminished chord (Cb) indicated by a red 'o' above the Cb note in measures 1, 2, 3, 4, and 5. The notes are: Eb4, Cb4, Eb5, Cb4, Eb5, Cb4, Eb5, Cb4, Eb5.

Eb⁶ o Eb⁶ o Eb⁶ o Eb⁶ o Eb⁶

Eb:

Detailed description: This staff shows the Eb major scale with the leading tone diminished chord (Cb) indicated by a red 'o' above the Cb note in measures 1, 2, 3, 4, and 5. The notes are: Eb4, Cb4, Eb5, Cb4, Eb5, Cb4, Eb5, Cb4, Eb5.

③

F#6 ○ F#6 ○ F#6 ○ F#6 ○ F#6

F#:

F#6 ○ F#6 ○ F#6 ○ F#6 ○ F#6

F#:

F#6 ○ F#6 ○ F#6 ○ F#6 ○ F#6

F#:

F#6 ○ F#6 ○ F#6 ○ F#6 ○ F#6

F#:

④

A6 ○ A6 ○ A6 ○ A6 ○ A6

A:

A6 ○ A6 ○ A6 ○ A6 ○ A6

A:

A6 ○ A6 ○ A6 ○ A6 ○ A6

A:

A6 ○ A6 ○ A6 ○ A6 ○ A6

A:

Four 8 Note Scales that Share the Same Diminished

① C Major 6 Diminished

[illegible]

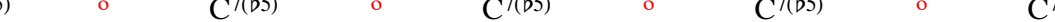
② C Minor 6 Diminished

③ C Dominant 7 Diminished

The musical notation for the F major scale is shown on a single staff. The notes are F, G, A, Bb, C, D, E, and F. Above the staff, the chords C7, C7, C7, C7, C7, and C7 are indicated. The notes are written as quarter notes, and the chords are written as triads. The key signature is one flat (Bb).

④ C Dominant 7 (b5) Diminished

F:



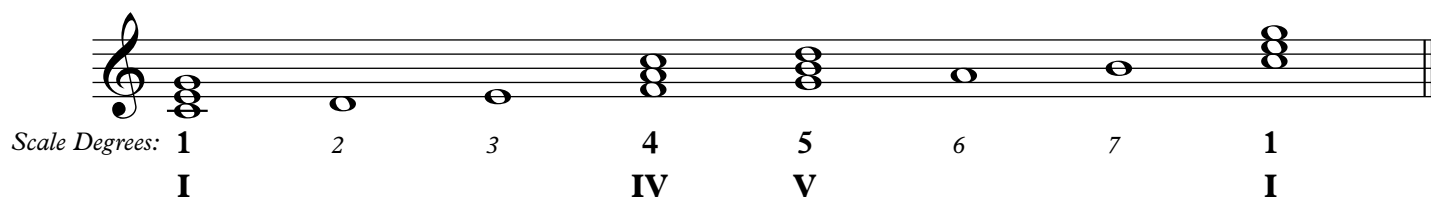
IV/V - I

JC Heisler

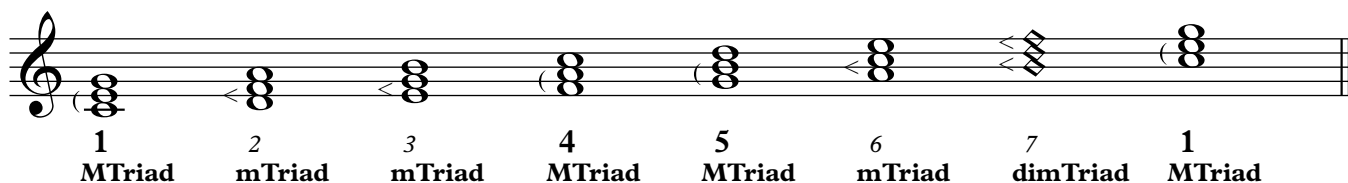
The Fundamental Theme of Tonal Resolution: Tonic - Dominant - Tonic



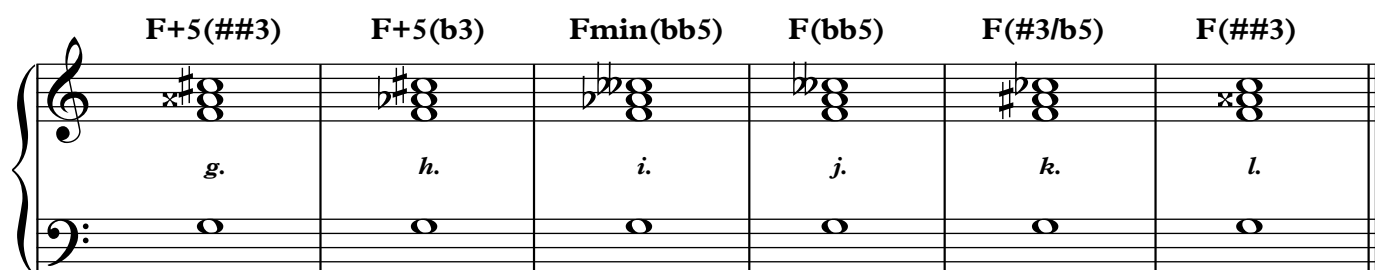
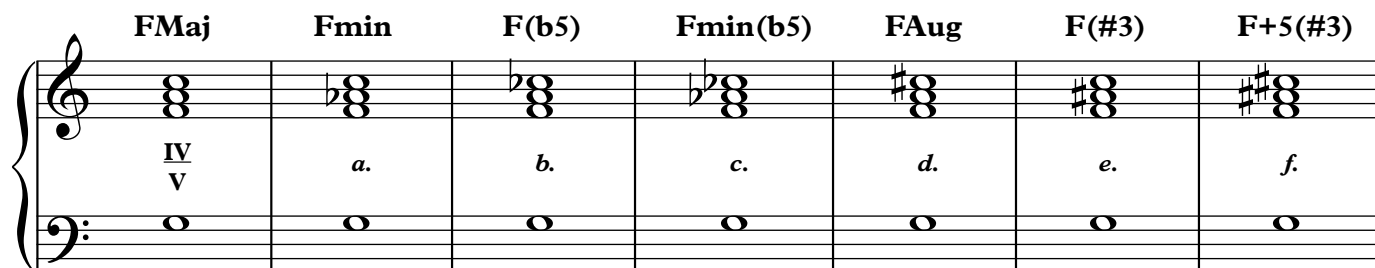
C Major Scale



C Major Scale Diatonic Triads



IV/V



Lesson 1

Treble 8vb

①

FMaj FMaj Fmin

②

FMaj Fmin

③

FMaj Fmin

④

FMaj Fmin

Adding Mi to IV/V

mi

G F

G F

mi

I Tonic

IV Sub-Dominant

V Dominant

G7 mi F

IV V IV/ii

V IV/V I

sol 5 fa 4 mi 3

Lesson 2

Treble 8vb

① FMaj FMaj Fmin ② FMaj Fmin

IV^(mi)
V

IV^(mi)
V

iv^(mi)
V (a. - l.)

IV^(mi)
ii

iv^(mi)
V (a. - l.)

③ FMaj Fmin ④ FMaj Fmin

IV^(mi)
V

iv^(mi)
V (a. - l.)

IV^(mi)
ii

iv^(mi)
V (a. - l.)

Lesson 3

Treble 8vb

① FMaj FMaj ② FMaj FMaj ③ FMaj Fmin

IV^(mi)
V

IV^(me)
V

IV^(mi)
ii

IV^(me)
V

IV^(mi)
ii

iv^(me)
V

Lesson 4

Same Tones
(Enharmonic)

① FMaj ②

IV^(mi)
V

10th
3rd
6th

IV^(mi)
V

IV^(mi)
ii

1. 7th

E⁶
V⁷

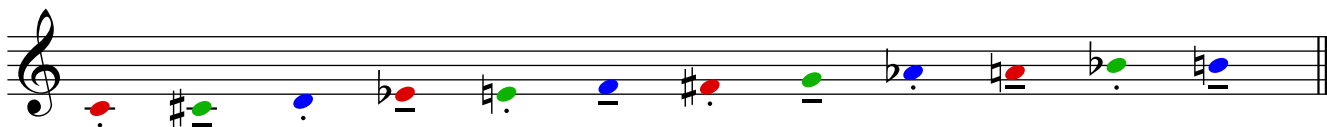
10th
3rd
6th

Db⁷
V

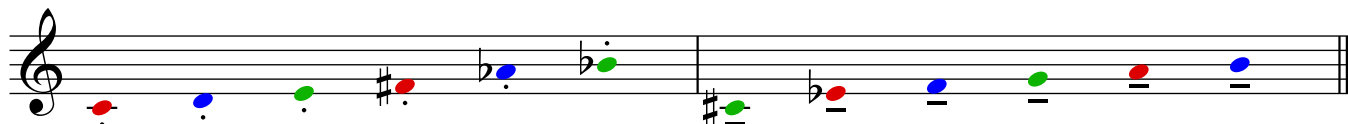
Diminished Theory

Barry Harris
arr. JC Heisler

① Chromatic



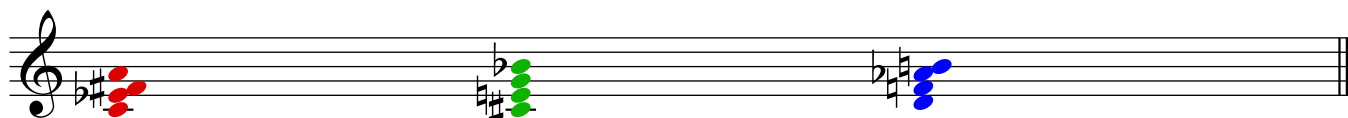
② Two Whole Tone Scales: . & -



③ Tritone Dominants from the Whole Tone Scales: Leading Tone(ti) and/or Sub-Dominant(fa)



④ All Three Diminished Chords in Relation to Four Tonics

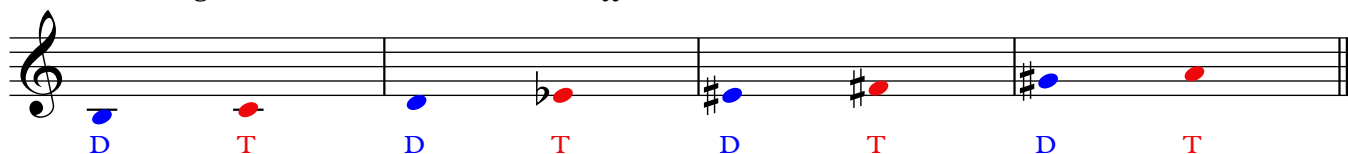


Tonic
(Four Tonics. Also, Leading Tone Diminished to Bass Functions. Also, Suspension of Tonic and Sub-Dominant 6 Chords as the "Pivot Diminished")

Bass
(Leading Tone Diminished to the Sub-Dominant Suspensions of Leading Tone Diminished to Tonic Chord)

Dominant
(Leading Tone Diminished to Tonic Function. Source for Sub-Dominant Suspensions)

⑤ Leading Tone Diminished to Four Different Tonics



⑥ Voice Leading to Four Different Tonics: Leading Tone (ti) and/or Sub-Dominant (fa)

D	T	D	T	D	T	D	T
sol	do	sol	do	sol	do	sol	do
V	I	V	I	V	I	V	I

⑦ *Leading Tone Diminished to Four Different Tonics where the Bass Movement may be Transitive. ie: B^o/C[#] - C⁶ or B^o/B^b - C⁶ etc.*

B^o C⁶ D^o E^{b6} E^o F^{#6} G^{#o} A⁶

D T D T D T D T

sol do sol do sol do sol do

V I V I V I V I

⑧ *Origin of Dominant Chords (also Dominant Bass Movement)*

All of these Dominant Chords Share the Same Transitive Function (V7) and are Interchangeable because they Originate from Suspending the same Leading Tone Diminished to Tonic Chord down by One Note. ie: C[#]7/G - C⁶ or B^b7/C[#] - C⁶ etc.

G⁷ E⁷ C^{#7} B^{b7}

⑨ *C⁶ Diminished Scale*

T D T D T D T D T

C⁶ B^o/G C⁶ B^o/G C⁶ B^o/G C⁶ B^o/G C⁶

T D T D T D T D T

do sol do sol do sol do sol do

I V I V I V I V I

⑩ *Cmin6 Diminished Scale*

T D T D T D T D T

Cmin⁶ B[°]/G Cmin⁶ B[°]/G Cmin⁶ B[°]/G Cmin⁶ B[°]/G Cmin⁶ B[°]/G Cmin⁶

T D T D T D T D T

do sol do sol do sol do sol do

I V I V I V I V I

⑪ *Leading Tone Diminished to Four Different Major6 Tonics C, Eb, F#, and A.*

C⁶ D[°]/B^b E^b6 E[°]/C[#] F[#]6 G[#]°/E A⁶ B[°]/G C⁶

T D T D T D T D T

do sol do sol do sol do sol do

I V I V I V I V I

Leading Tone Diminished to Four Different Minor6 Tonics C, Eb, F#, and A.

Cmin⁶ D[°]/B^b Ebmin⁶ E[°]/C[#] F[#]min⁶ G[#]°/E Amin⁶ B[°]/G Cmin⁶

T D T D T D T D T

do sol do sol do sol do sol do

I V I V I V I V I

⑫ *Four Different Transitive, Sub-Dominant, 1 Note Suspensions of the Leading Tone Diminished Chord.*

B[°]/G Bmin⁶/G D[°] Dmin⁶ F[°] Fmin⁶ Ab[°] Abmin⁶

D D D D D D D D

sol sol sol sol sol sol sol sol

V V V V V V V V

⑬ *Four Different Transitive, Sub-Dominant, 2 Note Suspensions of the Leading Tone Diminished Chord.*

B[°]/G B⁶/G D[°] D⁶/G F[°] F⁶/G Ab[°] Ab⁶/G

D D D D D D D D

sol sol sol sol sol sol sol sol

V V V V V V V V

⑭ *Four Different Transitive, Sub-Dominant, 3 Note Suspensions of the Leading Tone Diminished Chord.*

B[°]/G B⁷/G D[°] D⁷/G F[°] F⁷/G Ab[°] Ab⁷/G

D D D D D D D D

sol sol sol sol sol sol sol sol

V V V V V V V V

⑮ *Eight Different Transitive, Sub-Dominant Suspensions of the Leading Tone Diminished Chord Cadencing to Tonic.*

F ⁶ /G	B ^o /G	C ⁶	Fmin ⁶ /G	B ^o /G	C ⁶
D	D	T	D	D	T
sol	sol	do	sol	sol	do
IV ⁶ /V	vii ^{o7} /V	I	iv ⁶ /V	vii ^{o7} /V	I

D ⁶ /G	B ^o /G	C ⁶	Dmin ⁶ /G	B ^o /G	C ⁶
D	D	T	D	D	T
sol	sol	do	sol	sol	do
II ⁶ /V	vii ^{o7} /V	I	ii ⁶ /V	vii ^{o7} /V	I

B ⁶ /G	B ^o /G	C ⁶	Bmin ⁶ /G	B ^o /G	C ⁶
D	D	T	D	D	T
sol	sol	do	sol	sol	do
VII ⁶ /V	vii ^{o7} /V	I	vii ⁶ /V	vii ^{o7} /V	I

A ^b /G	B ^o /G	C ⁶	A ^b min ⁶ /G	B ^o /G	C ⁶
D	D	T	D	D	T
sol	sol	do	sol	sol	do
bVI ⁶ /V	vii ^{o7} /V	I	bvi ⁶ /V	vii ^{o7} /V	I

16 *Four Different Transitive, Dominant Bass Movements Accompanying the Transitive, Sub-Dominant Suspensions of the Leading Tone Diminished Chord.*

F ⁶ /G	B ^o /G	C ⁶	F ⁶ /G	B ^o /E	C ⁶
D	D	T	D	D	T
sol	sol	do	sol	mi	do
IV ⁶ /V	vii ^{o7} /V	I	IV ⁶ /V	vii ^{o7} /iii	I

F ⁶ /G	B ^o /D ^b	C ⁶	F ⁶ /G	B ^o /B ^b	C ⁶
D	D	T	D	D	T
sol	ra	do	sol	te	do
IV ⁶ /V	vii ^{o7} /bii	I	IV ⁶ /V	vii ^{o7} /bvii	I

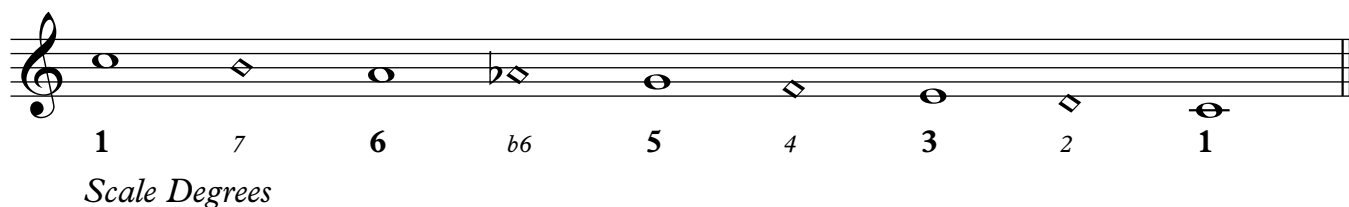
C6 Diminished

arr. JC Heisler

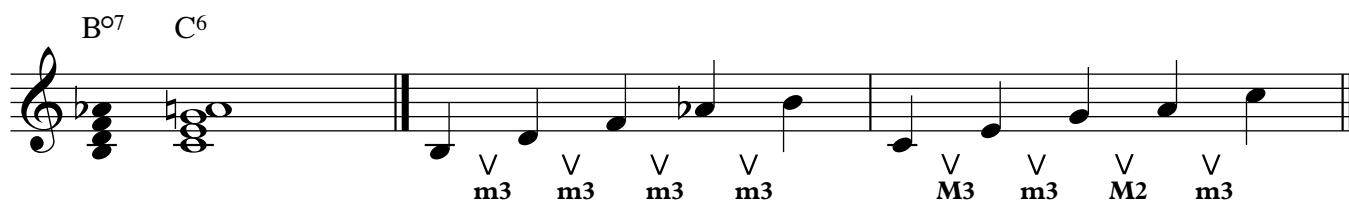
The Fundamental Theme of Tonal Resolution: Tonic - Dominant - Tonic



C6 Diminished Scale



Harmonies on Every Other Scale Degree and Intervallic Analysis



Melodic Movements through C6 Diminished Scale

At Piano: Parallel & Contrary Motions - 2 Note, 3 Note, 4 Note Voicings

① - 3rds, 5ths, 6ths, 10ths - Left & Right Hands



②

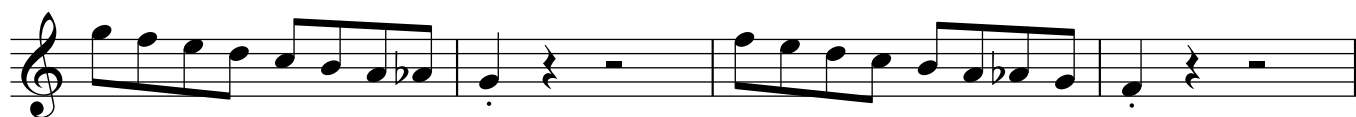
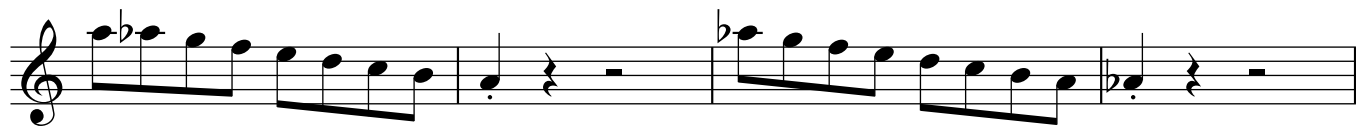
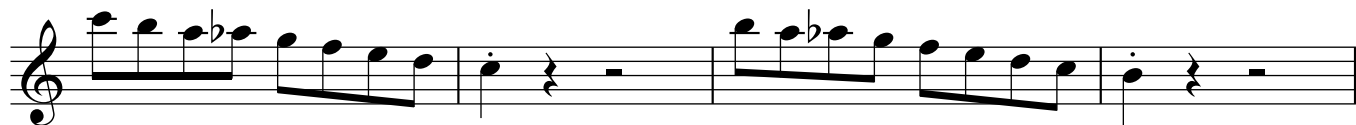
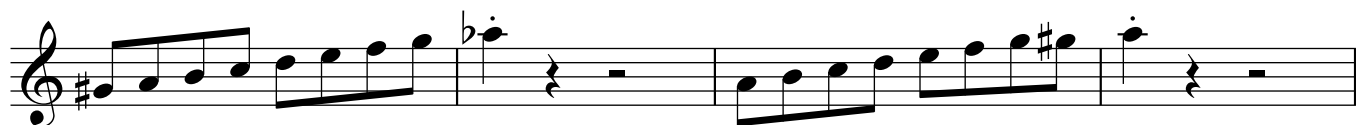
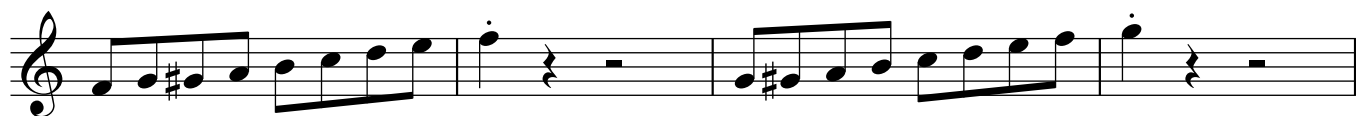


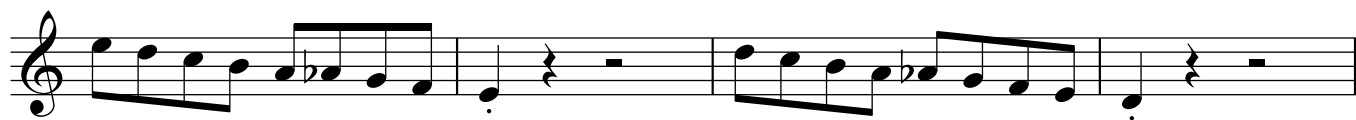
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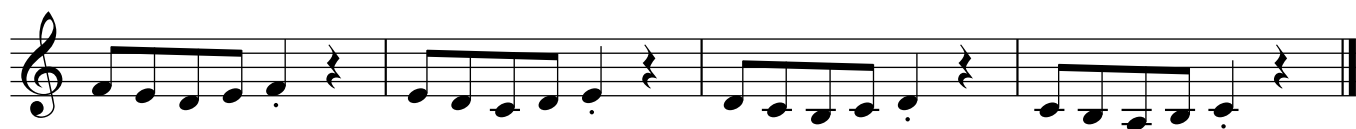
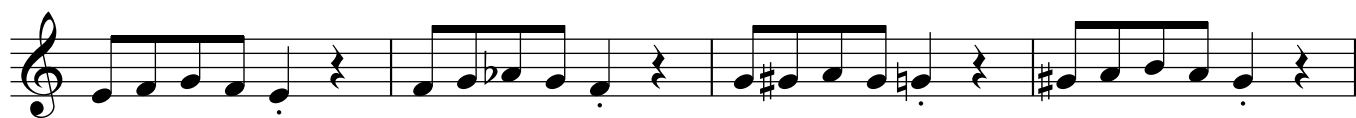
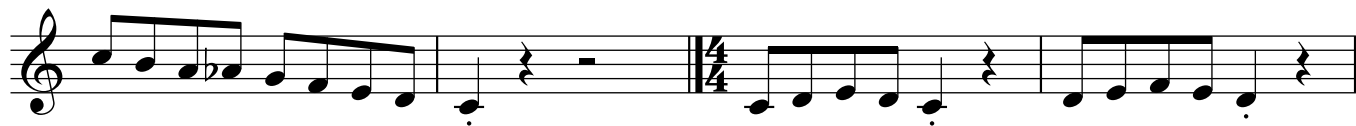
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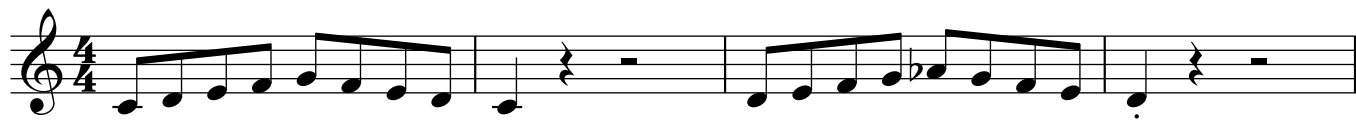


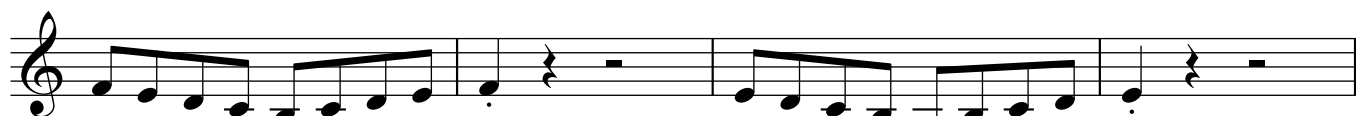


⑥



⑦





⑧

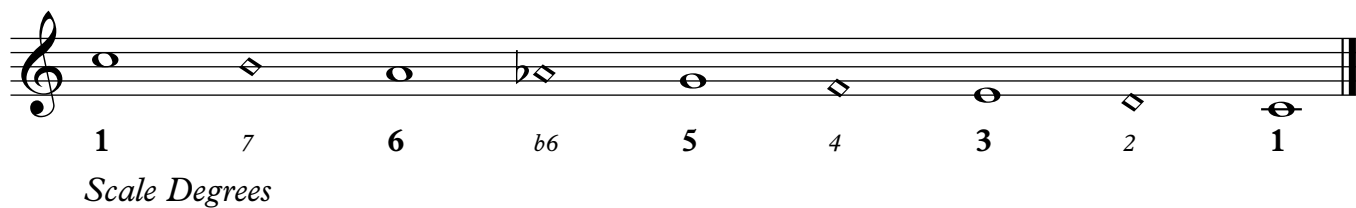




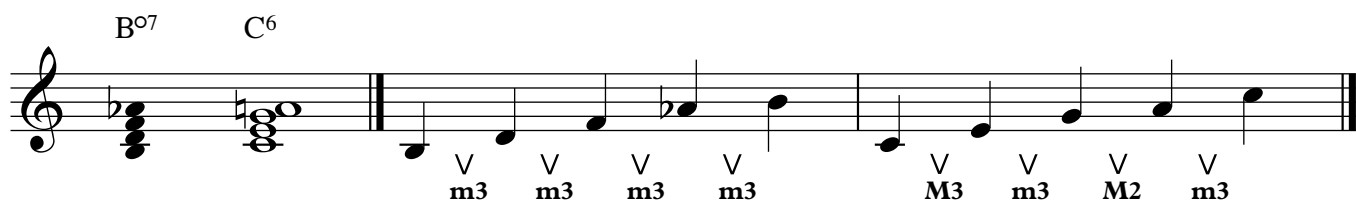
The Fundamental Theme of Tonal Resolution: Tonic - Dominant - Tonic



C6 Diminished Scale

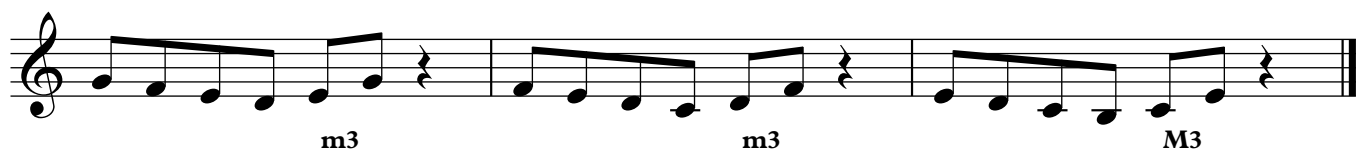
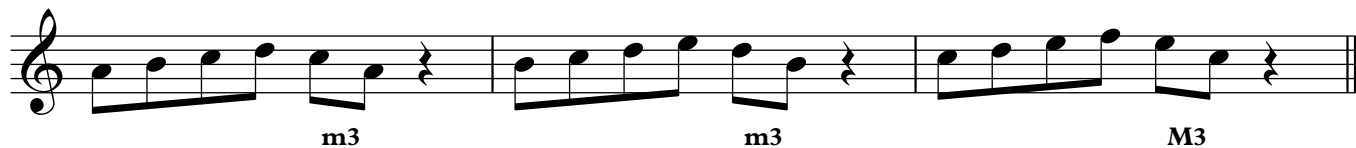
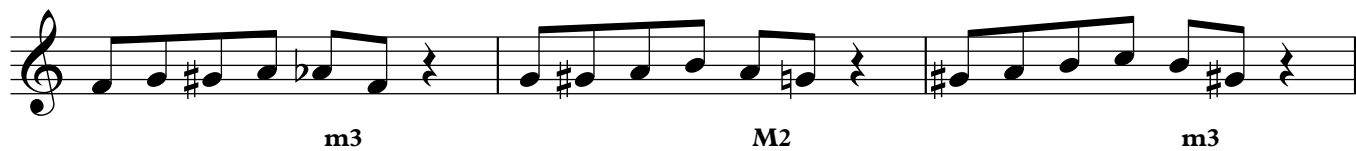


Harmonies on Every Other Scale Degree and Intervallic Analysis

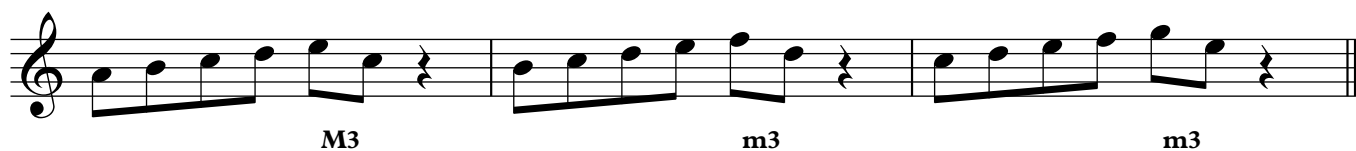
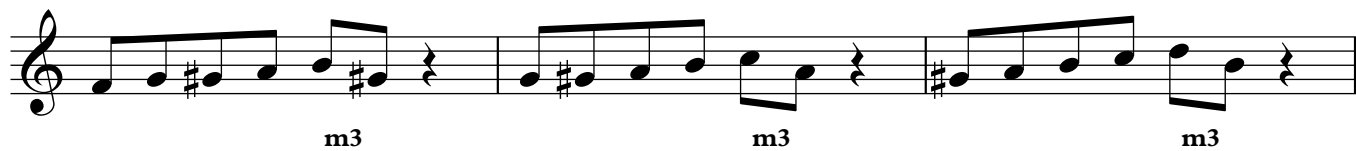


At Piano: Parallel & Contrary Motions - 2 Note, 3 Note, 4 Note Voicings

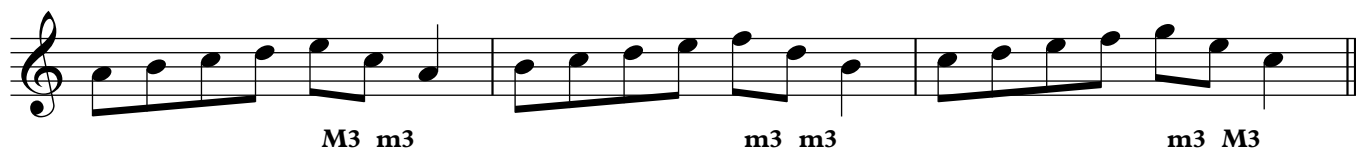
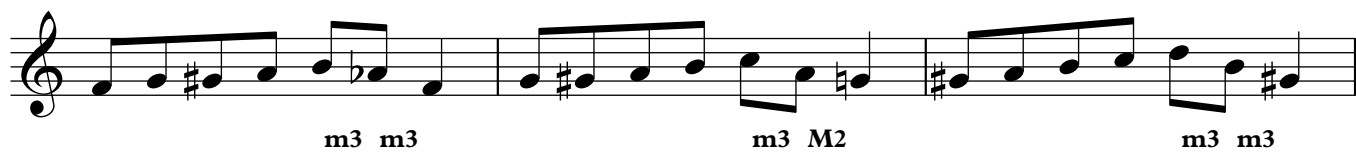
① - 3rds, 5ths, 6ths, 10ths - Left & Right Hands



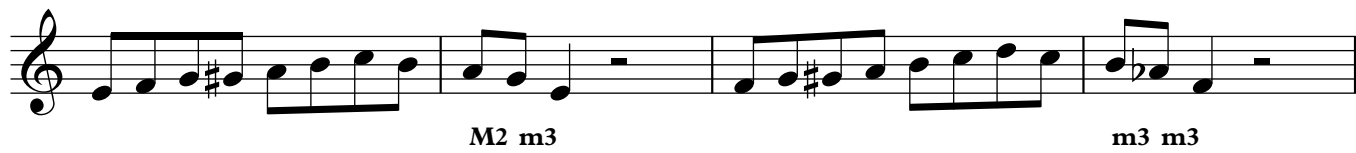
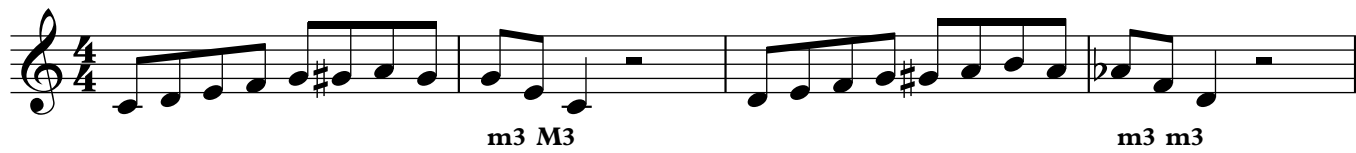
②

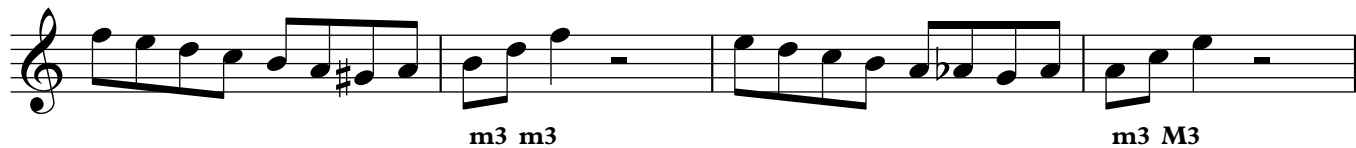
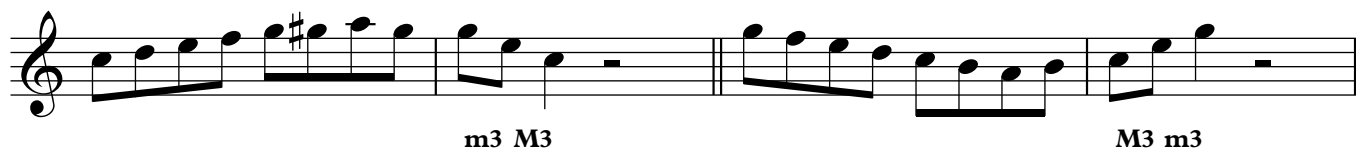
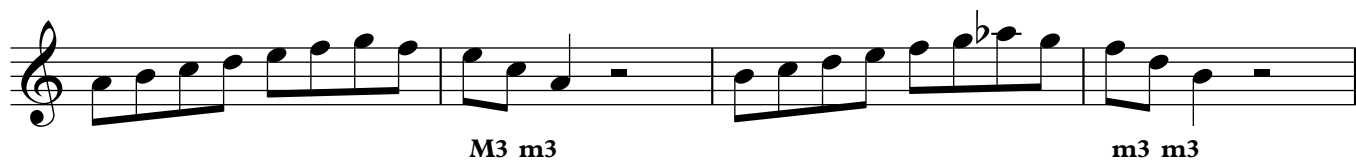


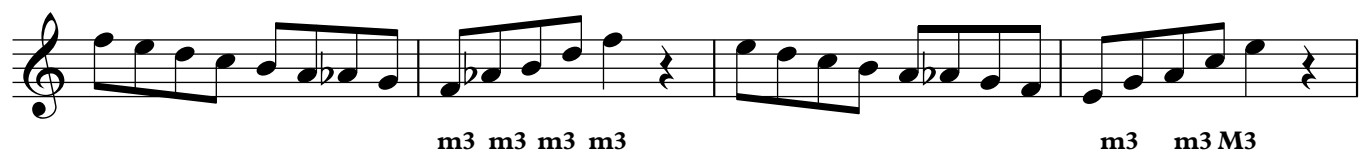
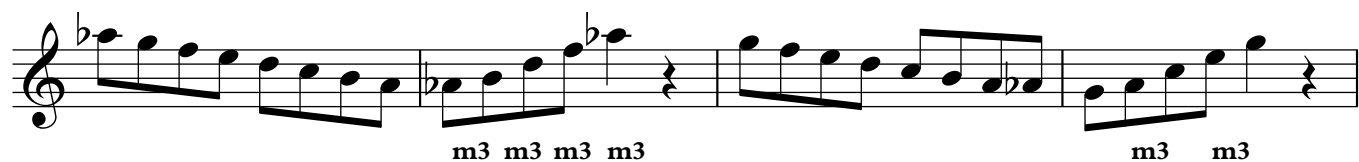
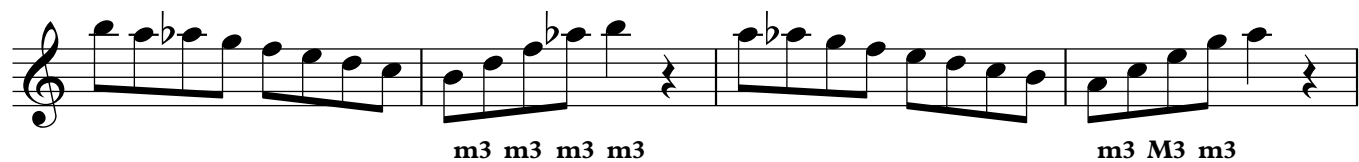
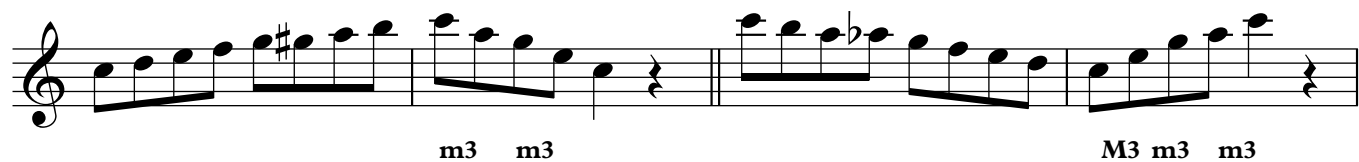
③



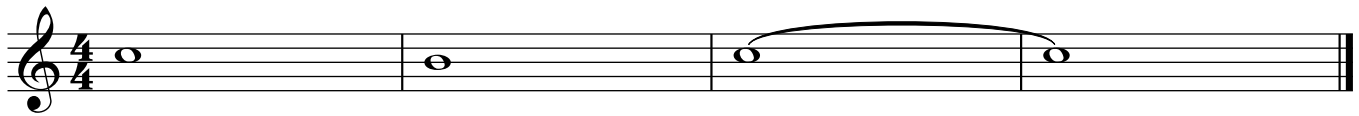
④



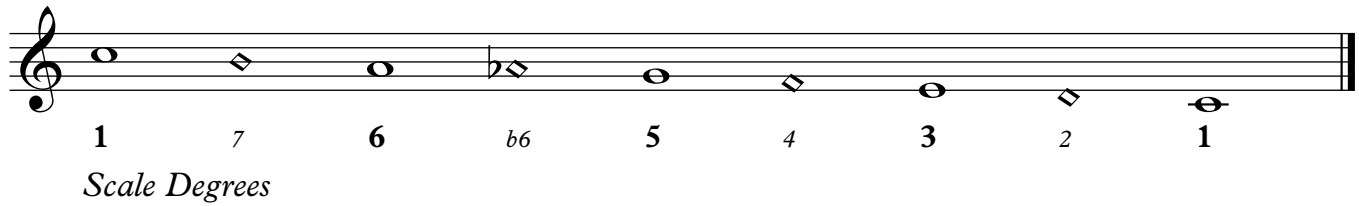




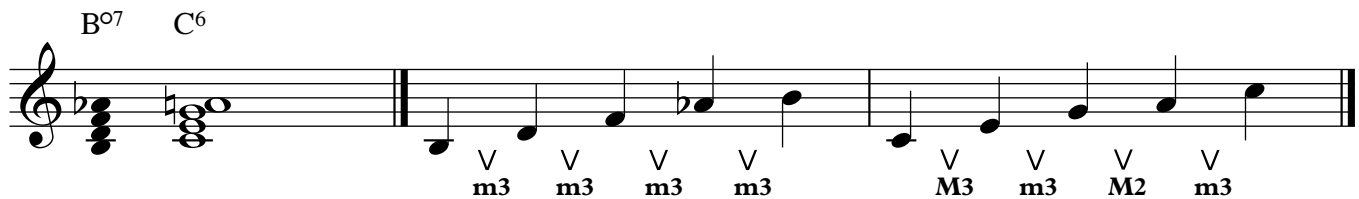
The Fundamental Theme of Tonal Resolution: Tonic - Dominant - Tonic



C6 Diminished Scale



Harmonies on Every Other Scale Degree and Intervallic Analysis



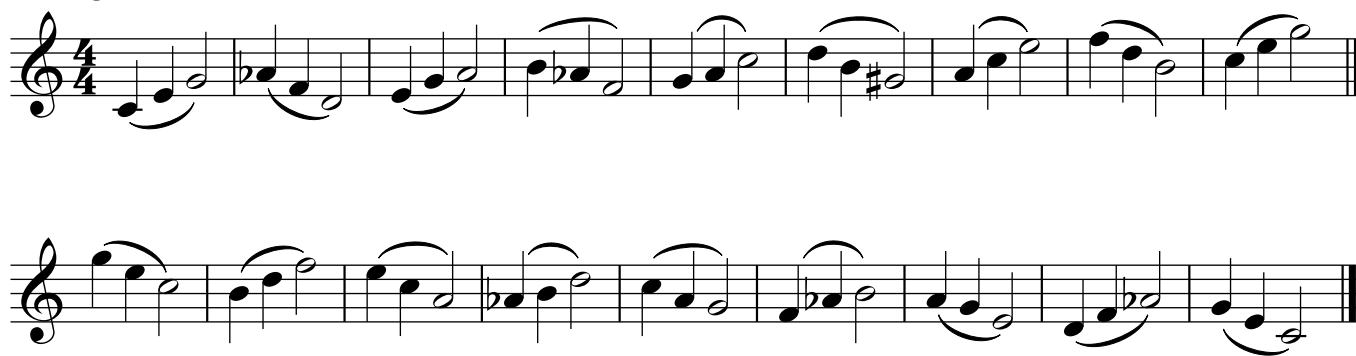
Harmonic Movements through C6 Diminished Scale



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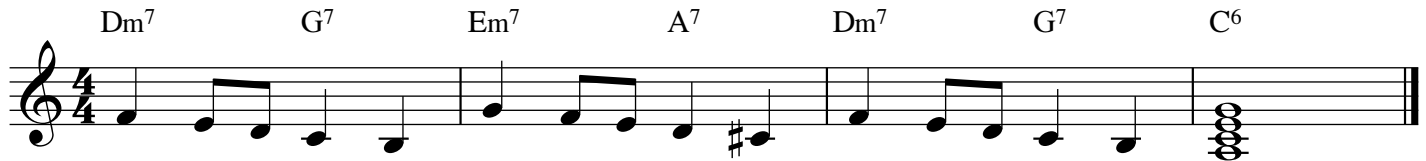
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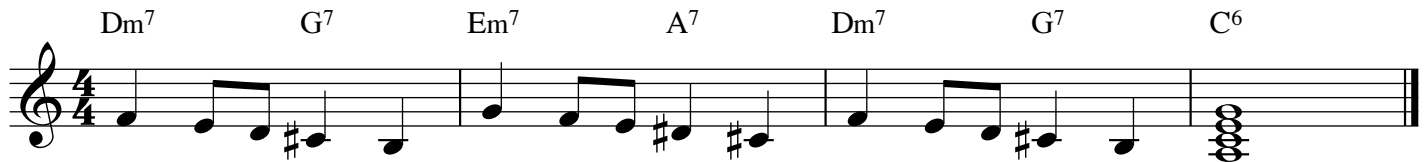
Jazz Melodic Movements Descending

JC Heisler

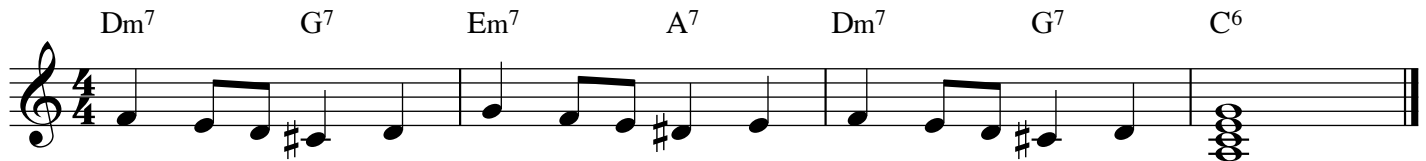
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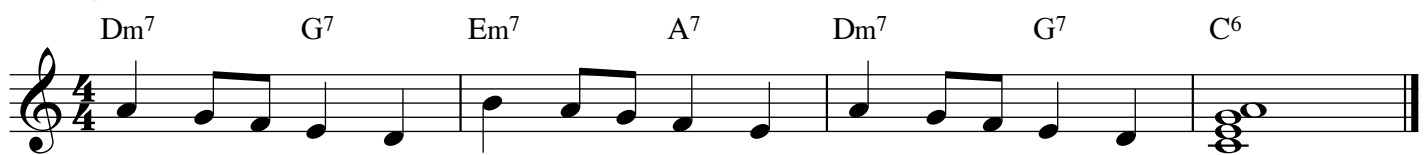
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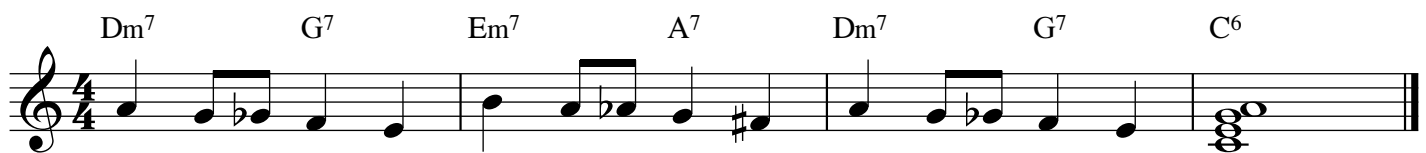
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9

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11

[illegible]

12

13

14

15

Chord progression for exercise 15: Dm⁷ G⁷ Em⁷ A⁷ Dm⁷ G⁷ C⁶

Musical notation for exercise 15 in 4/4 time. The melody consists of eighth and quarter notes. The final measure contains a whole note chord.

16

Chord progression for exercise 16: Dm⁷ G⁷ Em⁷ A⁷ Dm⁷ G⁷ C⁶

Musical notation for exercise 16 in 4/4 time. The melody consists of eighth and quarter notes. The final measure contains a whole note chord.

17

Chord progression for exercise 17: Dm⁷ G⁷ Em⁷ A⁷ Dm⁷ G⁷ C⁶

Musical notation for exercise 17 in 4/4 time. The melody consists of eighth and quarter notes. The final measure contains a whole note chord.

Jazz Melodic Movements Ascending

JC Heisler

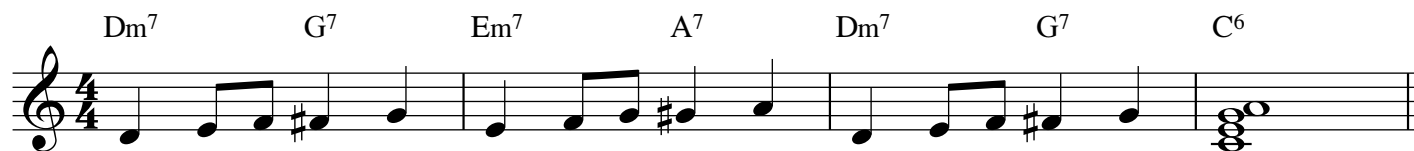
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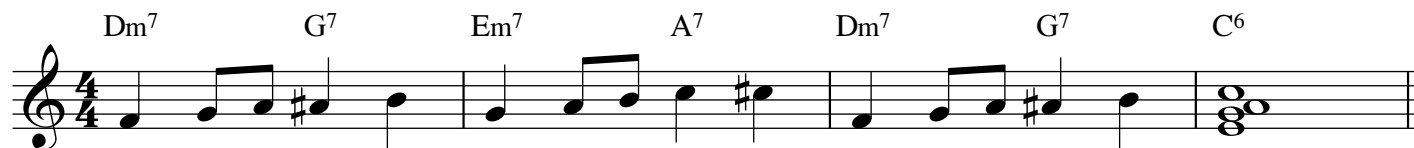
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Dm⁷ G⁷ Em⁷ A⁷ Dm⁷ G⁷ C⁶

⑨

Dm⁷ G⁷ Em⁷ A⁷ Dm⁷ G⁷ C⁶

⑩

Dm⁷ G⁷ Em⁷ A⁷ Dm⁷ G⁷ C⁶

⑪

Dm⁷ G⁷ Em⁷ A⁷ Dm⁷ G⁷ C⁶

⑫

Dm⁷ G⁷ Em⁷ A⁷ Dm⁷ G⁷ C⁶

⑬

Dm⁷ G⁷ Em⁷ A⁷ Dm⁷ G⁷ C⁶

⑭

Dm⁷ G⁷ Em⁷ A⁷ Dm⁷ G⁷ C⁶

⑮

Dm⁷ G⁷ Em⁷ A⁷ Dm⁷ G⁷ C⁶

Jazz Melodic Movements Descending

JC Heisler

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15

Dm⁷ G⁷ Em⁷ A⁷ Dm⁷ G⁷ C⁶



16

Dm⁷ G⁷ Em⁷ A⁷ Dm⁷ G⁷ C⁶



Jazz Melodic Movements Ascending

JC Heisler

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⑧

Dm⁷ G⁷ Em⁷ A⁷ Dm⁷ G⁷ C⁶

⑨

Dm⁷ G⁷ Em⁷ A⁷ Dm⁷ G⁷ C⁶

⑩

Dm⁷ G⁷ Em⁷ A⁷ Dm⁷ G⁷ C⁶

⑪

Dm⁷ G⁷ Em⁷ A⁷ Dm⁷ G⁷ C⁶

⑫

Dm⁷ G⁷ Em⁷ A⁷ Dm⁷ G⁷ C⁶

⑬

Dm⁷ G⁷ Em⁷ A⁷ Dm⁷ G⁷ C⁶

⑭

Dm⁷ G⁷ Em⁷ A⁷ Dm⁷ G⁷ C⁶

15

Dm⁷ G⁷ Em⁷ A⁷ Dm⁷ G⁷ C⁶

16

Dm⁷ G⁷ Em⁷ A⁷ Dm⁷ G⁷ C⁶

17

Dm⁷ G⁷ Em⁷ A⁷ Dm⁷ G⁷ C⁶

Jazz Melodic Movements Descending

JC Heisler

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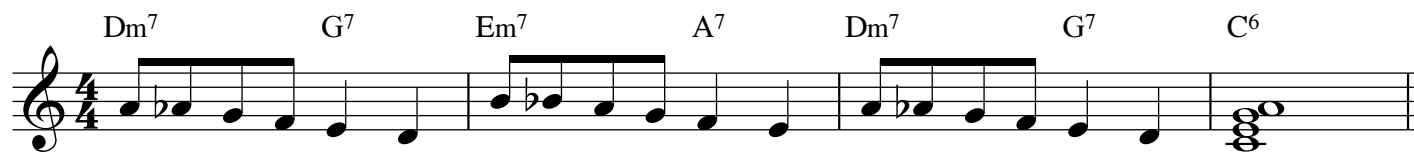
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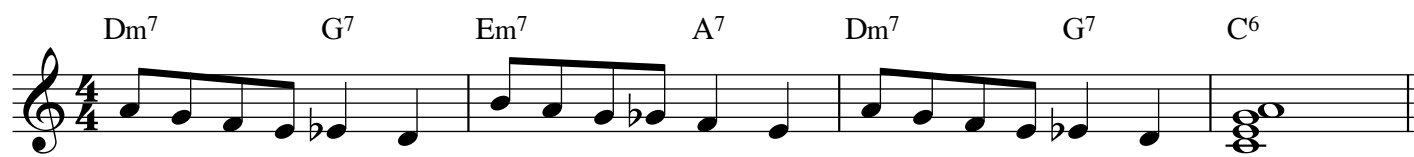
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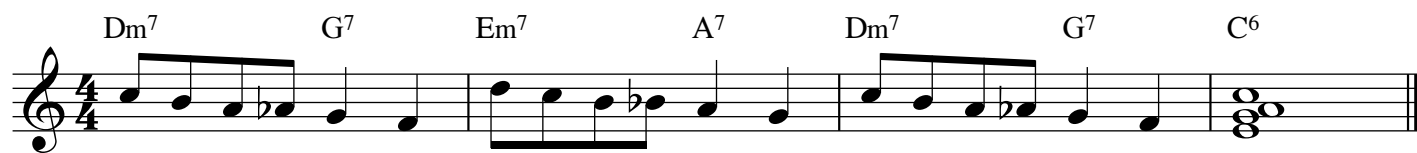
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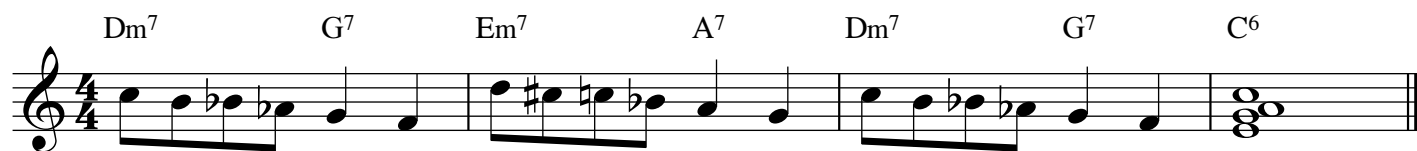
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15

Chord progression for measure 15: Dm⁷ G⁷ Em⁷ A⁷ Dm⁷ G⁷ C⁶



16

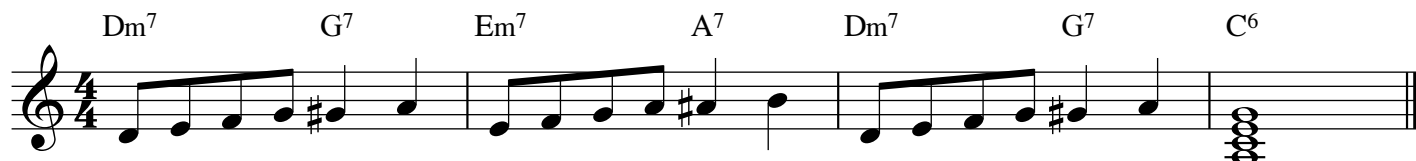
Chord progression for measure 16: Dm⁷ G⁷ Em⁷ A⁷ Dm⁷ G⁷ C⁶



Jazz Melodic Movements Ascending

JC Heisler

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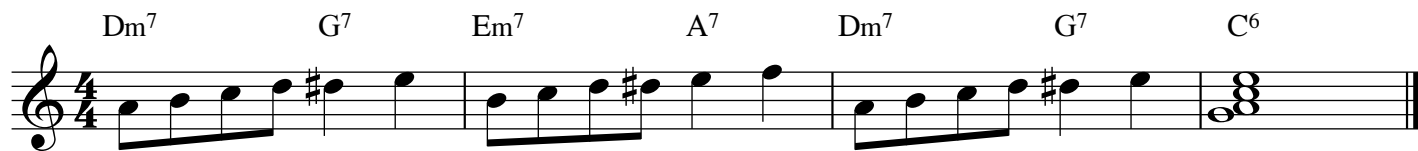
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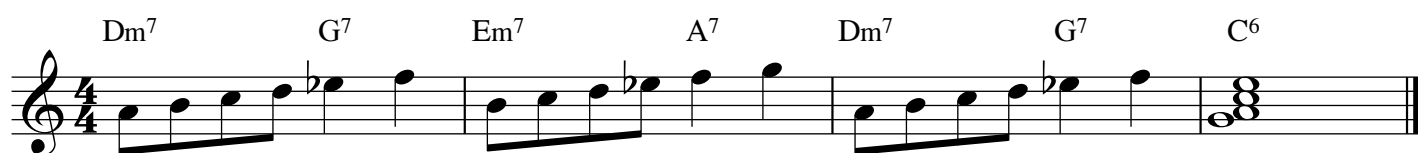
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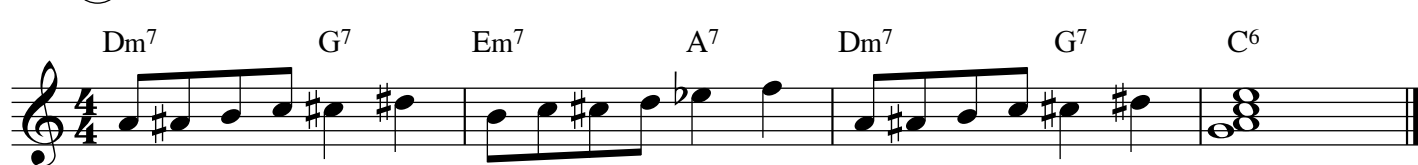
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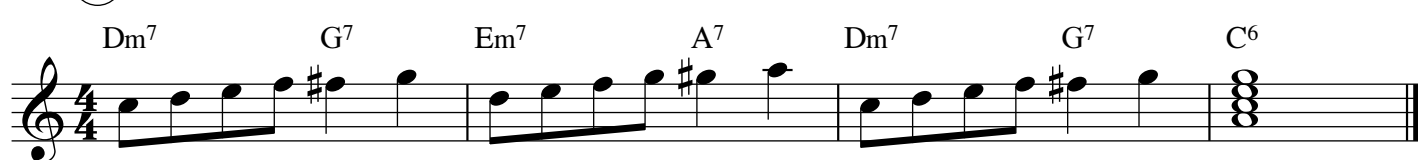
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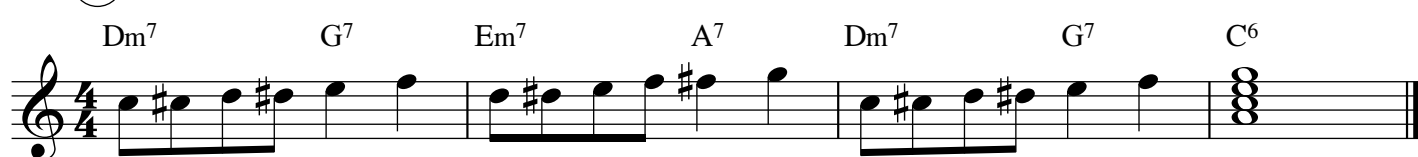
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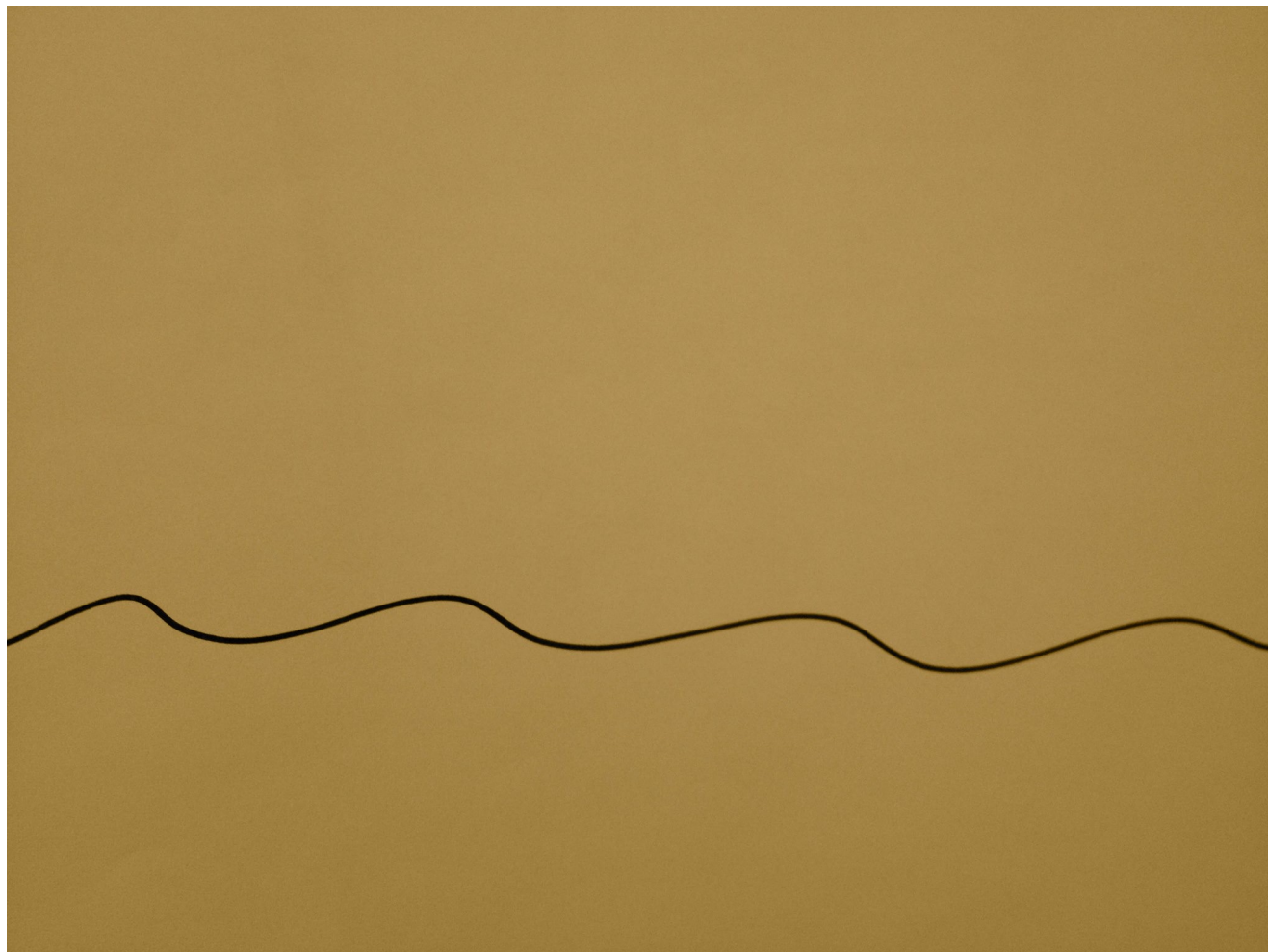
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TRUMPET DIATONICS



JC HEISLER