

Minor ii-V-i Guide Tone Lines Practice Routine

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On minor ii-V-i's, there are a couple more variables than on major key ii-V-I's.

We need to know how to resolve to 3 different chord qualities on the i chord:

- 1) a Minor 6th chord (this is a real tonic minor sound)
- 2) a Minor 7th chord (for when you have a ii-V into the ii or iii chord in a major key, also used as a softer, more modern tonic minor sound)
- 3) a Minor/Major 7th chord (a more tense tonic minor sound.)

The voice leading for the ii to the V is the same as in a major ii-V. Let's look at each of our 3 i chord options in turn.

- 1) to resolve to a minor 6th chord, the 7th of the V will fall a whole step, to the minor 3rd of the i chord, and the 3rd of the V chord will also fall a whole step, to the 6th of the i chord.

Musical notation for the first resolution. The key signature is one flat (B-flat), and the time signature is 4/4. The notation shows two systems of chords. The first system consists of Dm7b5, G7, and Cm6. The second system consists of Dm7b5, G7, and Cm6. The bass line consists of a single note per chord: B-flat for Dm7b5, G for G7, and C for Cm6. The treble line shows the guide tones for each chord.

- 2) To resolve to a minor 7th chord, the 7th of the V will still fall a whole step, to the minor 3rd of the i chord, but the 3rd of the V will only fall a half step, to the minor 7th of the i.

Musical notation for the second resolution. The key signature is one flat (B-flat), and the time signature is 4/4. The notation shows two systems of chords. The first system consists of Dm7b5, G7, and Cm7. The second system consists of Dm7b5, G7, and Cm7. The bass line consists of a single note per chord: B-flat for Dm7b5, G for G7, and C for Cm7. The treble line shows the guide tones for each chord.

3) To resolve to a minor-major 7th chord, the 7th of the V will still fall a whole step, to the minor 3rd of the i chord, and the 3rd of the V will stay put, becoming the major 7th of the i chord, just like in a major ii-V-I.

Chord progression: Dm7^b5, G7, C-Δ, Dm7^b5, G7, C-Δ

You should also practice resolving that major 7th down to the 6th, like this.

Chord progression: Dm7^b5, G7, C-Δ, Cm6, Dm7^b5, G7, C-Δ, Cm6

As always, we have to practice everything in every key. Let's start by resolving into a minor 6th chord, and then going down chromatically. Notice the voice leading when you go from one key to the next. The 3rd of the i chord will move up a half step to the 3rd of the next ii chord, and the 6th of the i chord will move up a whole step to the 7th of the next ii chord. The bass note will of course move up a half step, just like when we did these in major keys.

Chord progression: Dm7^b5, G7, Cm6, C#m7^b5, F#7, Bm6

Chord progression: Cm7^b5, F7, Bbm6, Bm7^b5, E7, Am6

A#m7b5 D#7 G#m6 Am7b5 D7 Gm6

The first system of music consists of six measures. The top staff (treble clef) contains chord symbols: A#m7b5, D#7, G#m6, Am7b5, D7, and Gm6. The bottom staff (bass clef) contains single notes: A#2, D#2, G#2, A2, D2, and G2. The notes are placed on the second line of the bass staff.

G#m7b5 C#7 F#m6 Gm7b5 C7 Fm6

The second system of music consists of six measures. The top staff (treble clef) contains chord symbols: G#m7b5, C#7, F#m6, Gm7b5, C7, and Fm6. The bottom staff (bass clef) contains single notes: G#2, C#2, F#2, G2, C2, and F2. The notes are placed on the second line of the bass staff.

F#m7b5 B7 Em6 Fm7b5 Bb7 Ebm6

The third system of music consists of six measures. The top staff (treble clef) contains chord symbols: F#m7b5, B7, Em6, Fm7b5, Bb7, and Ebm6. The bottom staff (bass clef) contains single notes: F#2, B2, E2, F2, Bb2, and Eb2. The notes are placed on the second line of the bass staff.

Em7b5 A7 Dm6 D#m7b5 G#7 C#m6

The fourth system of music consists of six measures. The top staff (treble clef) contains chord symbols: Em7b5, A7, Dm6, D#m7b5, G#7, and C#m6. The bottom staff (bass clef) contains single notes: E2, A2, D2, D#2, G#2, and C#2. The notes are placed on the second line of the bass staff.

And the other set

Dm7 \flat 5 G7 Cm6 C \sharp m7 \flat 5 F \sharp 7 Bm6

Cm7 \flat 5 F7 B \flat m6 Bm7 \flat 5 E7 Am6

A \sharp m7 \flat 5 D \sharp 7 G \sharp m6 Am7 \flat 5 D7 Gm6

G \sharp m7 \flat 5 C \sharp 7 F \sharp m6 Gm7 \flat 5 C7 Fm6

F#m7b5 B7 Em6 Fm7b5 Bb7 Ebm6

Em7b5 A7 Dm6 D#m7b5 G#7 C#m6

Now lets do all of that again, this time resolving into minor 7th chords instead. The 3rd of the i chord will still move up a half step to the 3rd of the next ii chord, and the 7th of the i chord will move up a half step to the 7th of the next ii chord.

Dm7b5 G7 Cm7 C#m7b5 F#7 Bm7

Cm7b5 F7 Bbm7 Bm7b5 E7 Am7

A#m7b5 D#7 G#m7 Am7b5 D7 Gm7

G#m7b5 C#7 F#m7 Gm7b5 C7 Fm7

F#m7b5 B7 Em7 Fm7b5 Bb7 Ebm7

Em7b5 A7 Dm7 D#m7b5 G#7 C#m7

And the other set

Dm7b5 G7 Cm7 C#m7b5 F#7 Bm7

Cm7b5 F7 Bbm7 Bm7b5 E7 Am7

A#m7b5 D#7 G#m7 Am7b5 D7 Gm7

G#m7b5 C#7 F#m7 Gm7b5 C7 Fm7

F#m7b5 B7 Em7 Fm7b5 Bb7 Ebm7

Em7b5 A7 Dm7 D#m7b5 G#7 C#m7

This time, let's resolve into minor-major 7th chords. The 3rd of the i chord will still move up a half step to the 3rd of the next ii chord, and the 7th of the i chord will stay put to become the 7th of the next ii chord.

Dm7b5 G7 C-Δ C#m7b5 F#7 B-Δ

Cm7b5 F7 Bb-Δ Bm7b5 E7 A-Δ

A#m7b5 D#7 G#-Δ Am7b5 D7 G-Δ

G#m7b5 C#7 F#-Δ Gm7b5 C7 F-Δ

F#m7b5 B7 E-Δ Fm7b5 Bb7 Eb-Δ

Em7b5 A7 D-Δ D#m7b5 G#7 C#-Δ

And the other set

Dm7b5 G7 C-Δ C#m7b5 F#7 B-Δ

Cm7b5 F7 Bb-Δ Bm7b5 E7 A-Δ

A#m7b5 D#7 G#-Δ Am7b5 D7 G-Δ

G#m7b5 C#7 F#-Δ Gm7b5 C7 F-Δ

F#m7b5 B7 E-Δ Fm7b5 Bb7 Eb-Δ

Em7b5 A7 D-Δ D#m7b5 G#7 C#-Δ

Let's also go ahead and practice resolving those minor-Major 7th chords down into minor 6th chords. The 3rd of the i chord will still move up a half step to the 3rd of the next ii chord, and the 6th of the i chord will move up a whole step to 7th of the next ii chord again.

Dm7b5 G7 C-Δ Cm6 C#m7b5 F#7 B-Δ Bm6

Cm7b5 F7 Bb-Δ Bbm6 Bm7b5 E7 A-Δ Am6

A#m7b5 D#7 G#-Δ G#m6 Am7b5 D7 G-Δ Gm6

The first system of music consists of two staves. The upper staff is in treble clef and contains chord voicings for A#m7b5, D#7, G#-Δ, G#m6, Am7b5, D7, G-Δ, and Gm6. The lower staff is in bass clef and contains single bass notes corresponding to the root of each chord: A#, D#, G#, G#, A, D, G, and G.

G#m7b5 C#7 F#-Δ F#m6 Gm7b5 C7 F-Δ Fm6

The second system of music consists of two staves. The upper staff is in treble clef and contains chord voicings for G#m7b5, C#7, F#-Δ, F#m6, Gm7b5, C7, F-Δ, and Fm6. The lower staff is in bass clef and contains single bass notes corresponding to the root of each chord: G#, C#, F#, F#, G, C, F, and F.

F#m7b5 B7 E-Δ Em6 Fm7b5 Bb7 Eb-Δ Ebm6

The third system of music consists of two staves. The upper staff is in treble clef and contains chord voicings for F#m7b5, B7, E-Δ, Em6, Fm7b5, Bb7, Eb-Δ, and Ebm6. The lower staff is in bass clef and contains single bass notes corresponding to the root of each chord: F#, B, E, E, F, Bb, Eb, and Eb.

Em7b5 A7 D-Δ Dm6 D#m7b5 G#7 C#-Δ C#m6

The fourth system of music consists of two staves. The upper staff is in treble clef and contains chord voicings for Em7b5, A7, D-Δ, Dm6, D#m7b5, G#7, C#-Δ, and C#m6. The lower staff is in bass clef and contains single bass notes corresponding to the root of each chord: E, A, D, D, D#, G#, C#, and C#.

And the other set

Dm7b5 G7 C-Δ Cm6 C#m7b5 F#7 B-Δ Bm6

The first system of music consists of two staves. The upper staff is in treble clef and contains chord symbols above the notes. The lower staff is in bass clef and contains a bass line. The chords are: Dm7b5, G7, C-Δ, Cm6, C#m7b5, F#7, B-Δ, and Bm6. The bass line consists of quarter notes: D, G, C, F, C#, F#, B, and B.

Cm7b5 F7 Bb-Δ Bbm6 Bm7b5 E7 A-Δ Am6

The second system of music consists of two staves. The upper staff is in treble clef and contains chord symbols above the notes. The lower staff is in bass clef and contains a bass line. The chords are: Cm7b5, F7, Bb-Δ, Bbm6, Bm7b5, E7, A-Δ, and Am6. The bass line consists of quarter notes: C, F, Bb, Bb, B, E, A, and A.

A#m7b5 D#7 G#-Δ G#m6 Am7b5 D7 G-Δ Gm6

The third system of music consists of two staves. The upper staff is in treble clef and contains chord symbols above the notes. The lower staff is in bass clef and contains a bass line. The chords are: A#m7b5, D#7, G#-Δ, G#m6, Am7b5, D7, G-Δ, and Gm6. The bass line consists of quarter notes: A#, D#, G#, G#, A, D, G, and G.

G#m7b5 C#7 F#-Δ F#m6 Gm7b5 C7 F-Δ Fm6

The fourth system of music consists of two staves. The upper staff is in treble clef and contains chord symbols above the notes. The lower staff is in bass clef and contains a bass line. The chords are: G#m7b5, C#7, F#-Δ, F#m6, Gm7b5, C7, F-Δ, and Fm6. The bass line consists of quarter notes: G#, C#, F#, F#, G, C, F, and F.

F#m7b5 B7 E-Δ Em6 Fm7b5 Bb7 Eb-Δ Ebm6

Em7b5 A7 D-Δ Dm6 D#m7b5 G#7 C#-Δ C#m6

Now lets practice moving each of those options around the circle, starting with the minor 6th chords. The voice leading this time is going to be that the 3rd of the i chord will move up a whole step, to the 7th of the next ii chord, and the 6th of the i chord will move up a half step, to the 3rd of the next ii.

Dm7b5 G7 Cm6 Gm7b5 C7 Fm6

Cm7b5 F7 Bbm6 Fm7b5 Bb7 Ebm6

A#m7b5 D#7 G#m6 D#m7b5 G#7 C#m6

G#m7b5 C#7 F#m6 C#m7b5 F#7 Bm6

F#m7b5 B7 Em6 Bm7b5 E7 Am6

Em7b5 A7 Dm6 Am7b5 D7 Gm6

And the other set

Dm7 \flat 5 G7 Cm6 Gm7 \flat 5 C7 Fm6

Cm7 \flat 5 F7 B \flat - Δ Fm7 \flat 5 B \flat 7 E \flat m6

A \sharp m7 \flat 5 D \sharp 7 G \sharp m6 D \sharp m7 \flat 5 G \sharp 7 C \sharp m6

G \sharp m7 \flat 5 C \sharp 7 F \sharp m6 C \sharp m7 \flat 5 F \sharp 7 Bm6

F#m7b5 B7 Em6 Bm7b5 E7 Am6

Em7b5 A7 Dm6 Am7b5 D7 Gm6

Now around the circle again, but resolving to minor 7th chords. The 3rd of the i chord will still move up a whole step, to the 7th of the next ii chord, but the 7th of the i chord will now stay put, to become the 3rd of the next ii chord.

Dm7b5 G7 Cm7 Gm7b5 C7 Fm7

Cm7b5 F7 Bbm7 Fm7b5 Bb7 Ebm7

A#m7b5 D#7 G#m7 D#m7b5 G#7 C#m7

G#m7b5 C#7 F#m7 C#m7b5 F#7 Bm7

F#m7b5 B7 Em7 Bm7b5 E7 Am7

Em7b5 A7 Dm7 Am7b5 D7 Gm7

And the other set

Dm7b5 G7 Cm7 Gm7b5 C7 Fm7

Cm7b5 F7 Bbm7 Fm7b5 Bb7 Ebm7

A#m7b5 D#7 G#m7 D#m7b5 G#7 C#m7

G#m7b5 C#7 F#m7 C#m7b5 F#7 Bm7

F#m7b5 B7 Em7 Bm7b5 E7 Am7

Em7b5 A7 Dm7 Am7b5 D7 Gm7

Now around the circle again, but resolving to minor-major 7th chords. The 3rd of the i chord will still move up a whole step, to the 7th of the next ii chord, but the 7th of the i chord will now move down a half step, to the 3rd of the next ii chord.

Dm7 \flat 5 G7 C- Δ Gm7 \flat 5 C7 F- Δ

Cm7 \flat 5 F7 B \flat - Δ Fm7 \flat 5 B \flat 7 E \flat - Δ

A \sharp m7 \flat 5 D \sharp 7 G \sharp - Δ D \sharp m7 \flat 5 G \sharp 7 C \sharp - Δ

G \sharp m7 \flat 5 C \sharp 7 F \sharp - Δ C \sharp m7 \flat 5 F \sharp 7 B- Δ

F#m7b5 B7 E-Δ Bm7b5 E7 A-Δ

Em7b5 A7 D-Δ Am7b5 D7 G-Δ

And the other set.

Dm7b5 G7 C-Δ Gm7b5 C7 F-Δ

Cm7b5 F7 Bb-Δ Fm7b5 Bb7 Eb-Δ

A#m7b5 D#7 G#-Δ D#m7b5 G#7 C#-Δ

G#m7b5 C#7 F#-Δ C#m7b5 F#7 B-Δ

F#m7b5 B7 E-Δ Bm7b5 E7 A-Δ

Em7b5 A7 D-Δ Am7b5 D7 G-Δ

And once more around the circle, but resolving the minor-major 7ths down to minor 6th chords. The 3rd of the i chord will still move up a whole step, to the 7th of the next ii chord, and the 6th of the i chord will once again move up a half step, to the 3rd of the next ii chord.

Dm7b5 G7 C-Δ Cm6 Gm7b5 C7 F-Δ Fm6

Cm7b5 F7 Bb-Δ Bbm6 Fm7b5 Bb7 Eb-Δ Ebm6

A#m7b5 D#7 G#-Δ G#m6 D#m7b5 G#7 C#-Δ C#m6

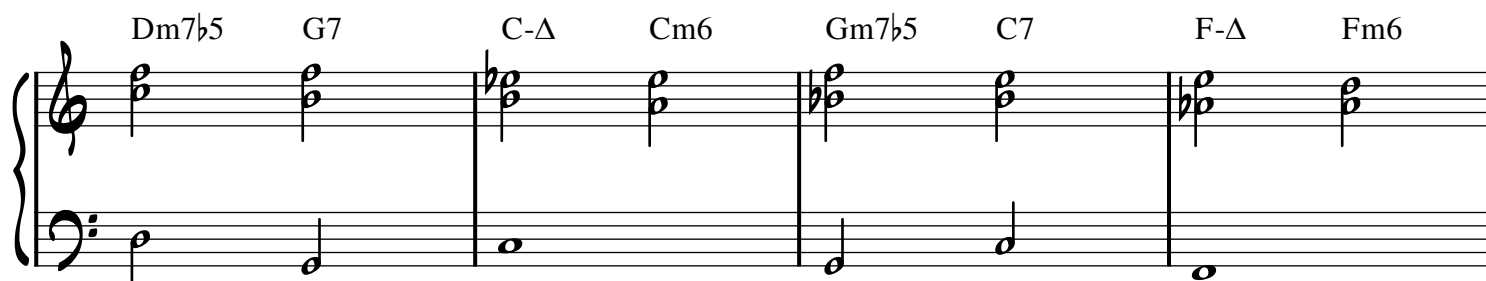
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F#m7b5 B7 E-Δ Em6 Bm7b5 E7 A-Δ Am6

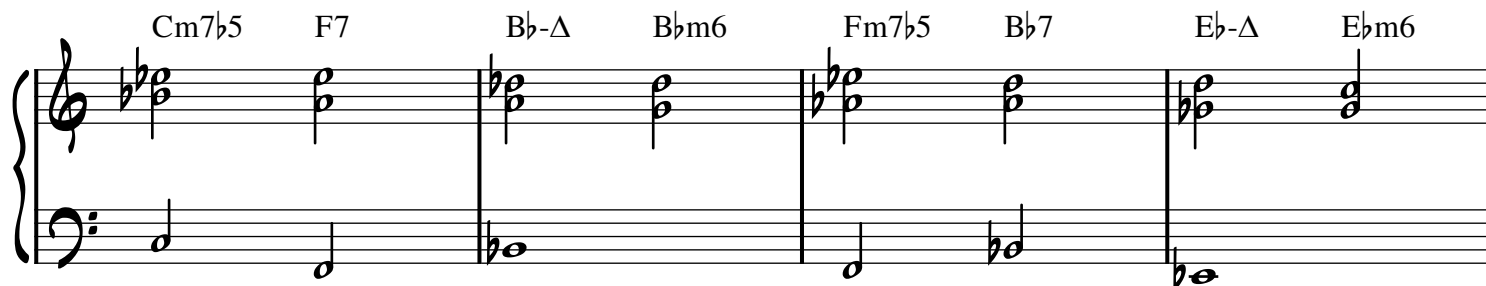
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And the other set.

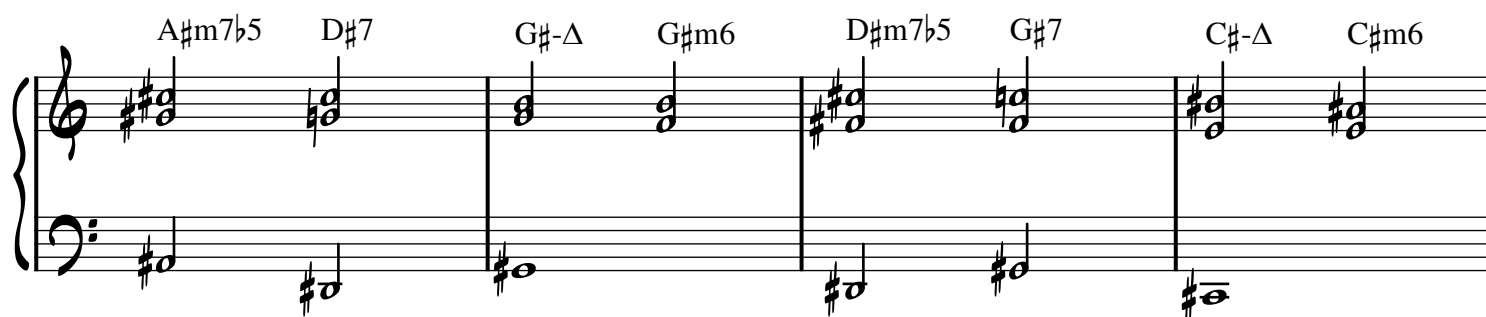
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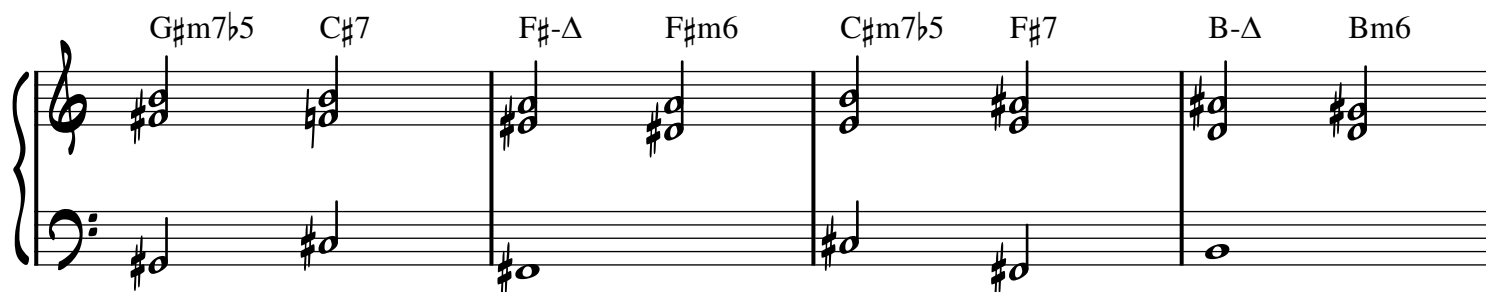
Cm7b5 F7 Bb-Δ Bbm6 Fm7b5 Bb7 Eb-Δ Ebm6



A#m7b5 D#7 G#-Δ G#m6 D#m7b5 G#7 C#-Δ C#m6



G#m7b5 C#7 F#-Δ F#m6 C#m7b5 F#7 B-Δ Bm6



F#m7b5 B7 E-Δ Em6 Bm7b5 E7 A-Δ Am6

Em7b5 A7 D-Δ Dm6 Am7b5 D7 G-Δ Gm6

Now lets practice all of those options, in descending whole steps this time. Remember that since the whole tone scale repeats after 6 notes, we have to start over down a half step after we get through the first 6 keys in order to get through all 12. The 6th of the i chord will move up a half step to the 7th of the next ii chord.

Dm7b5 G7 Cm6 Cm7b5 F7 Bbm6

A#m7b5 D#7 G#m6 G#m7b5 C#7 F#m6

F#m7b5 B7 Em6 Em7b5 A7 Dm6

C#m7b5 F#7 Bm6 Bm7b5 E7 Am6

Am7b5 D7 Gm6 Gm7b5 C7 Fm6

Fm7b5 Bb7 Ebm6 D#m7b5 G#7 C#m6

And the other set

Dm7 \flat 5 G7 Cm Cm7 \flat 5 F7 B \flat m6

The first system of music consists of six measures. The treble clef contains chords: Dm7 \flat 5, G7, Cm, Cm7 \flat 5, F7, and B \flat m6. The bass clef contains a single note in each measure: D, G, C, F, C, and B \flat .

A \sharp m7 \flat 5 D \sharp 7 G \sharp m6 G \sharp m7 \flat 5 C \sharp 7 F \sharp m6

The second system of music consists of six measures. The treble clef contains chords: A \sharp m7 \flat 5, D \sharp 7, G \sharp m6, G \sharp m7 \flat 5, C \sharp 7, and F \sharp m6. The bass clef contains a single note in each measure: A \sharp , D \sharp , G \sharp , G \sharp , C \sharp , and F \sharp .

F \sharp m7 \flat 5 B7 Em6 Em7 \flat 5 A7 Dm6

The third system of music consists of six measures. The treble clef contains chords: F \sharp m7 \flat 5, B7, Em6, Em7 \flat 5, A7, and Dm6. The bass clef contains a single note in each measure: F \sharp , B, E, E, A, and D.

C \sharp m7 \flat 5 F \sharp 7 Bm6 Bm7 \flat 5 E7 Am6

The fourth system of music consists of six measures. The treble clef contains chords: C \sharp m7 \flat 5, F \sharp 7, Bm6, Bm7 \flat 5, E7, and Am6. The bass clef contains a single note in each measure: C \sharp , F \sharp , B, B, E, and A.

Am7 \flat 5 D7 Gm6 Gm7 \flat 5 C7 Fm6

Fm7 \flat 5 B \flat 7 Ebm6 D#m7 \flat 5 G#7 C#m6

Now lets do all of that again, this time resolving into minor 7th chords instead.
All of the voices will stay the same from the i chord to the next ii.

Dm7 \flat 5 G7 Cm7 Cm7 \flat 5 F7 B \flat m7

A#m7 \flat 5 D#7 G#m7 G#m7 \flat 5 C#7 F#m7

F#m7b5 B7 Em7 Em7b5 A7 Dm7

C#m7b5 F#7 Bm7 Bm7b5 E7 Am7

Am7b5 D7 Gm7 Gm7b5 C7 Fm7

Fm7b5 Bb7 Ebm7 D#m7b5 G#7 C#m7

And the other set

Dm7 \flat 5 G7 Cm7 Cm7 \flat 5 F7 B \flat m7

A \sharp m7 \flat 5 D \sharp 7 G \sharp m7 G \sharp m7 \flat 5 C \sharp 7 F \sharp m7

F \sharp m7 \flat 5 B7 Em7 Em7 \flat 5 A7 Dm7

C \sharp m7 \flat 5 F \sharp 7 Bm7 Bm7 \flat 5 E7 Am7

Am7b5 D7 Gm7 Gm7b5 C7 Fm7

Fm7b5 Bb7 Ebm7 D#m7b5 G#7 C#m7

This time, let's resolve into minor-major 7th chords. The 3rd of the i chord will still stay put to become the 3rd of the next ii chord, and the 7th of the i chord will move down a half step to the 7th of the next ii chord.

Dm7b5 G7 C-Δ Cm7b5 F7 Bb-Δ

A#m7b5 D#7 G#-Δ G#m7b5 C#7 F#-Δ

F#m7b5 B7 E-Δ Em7b5 A7 D-Δ

C#m7b5 F#7 B-Δ Bm7b5 E7 A-Δ

Am7b5 D7 G-Δ Gm7b5 C7 F-Δ

Fm7b5 Bb7 Eb-Δ D#m7b5 G#7 C#-Δ

And the other set

Dm7 \flat 5 G7 C- Δ Cm7 \flat 5 F7 B \flat - Δ

A \sharp m7 \flat 5 D \sharp 7 G \sharp - Δ G \sharp m7 \flat 5 C \sharp 7 F \sharp - Δ

F \sharp m7 \flat 5 B7 E- Δ Em7 \flat 5 A7 D- Δ

C \sharp m7 \flat 5 F \sharp 7 B- Δ Bm7 \flat 5 E7 A- Δ

Am7 \flat 5 D7 G- Δ Gm7 \flat 5 C7 F- Δ

Fm7 \flat 5 B \flat 7 E \flat - Δ D \sharp m7 \flat 5 G \sharp 7 C \sharp - Δ

Lastly, lets resolve those minor-major 7ths down to minor 6ths. Now the 6th of the i chord will resolve up a half step to the 7th of the next ii chord.

Dm7 \flat 5 G7 C- Δ Cm6 Cm7 \flat 5 F7 B \flat - Δ B \flat m6

A \sharp m7 \flat 5 D \sharp 7 G \sharp - Δ G \sharp m6 G \sharp m7 \flat 5 C \sharp 7 F \sharp - Δ F \sharp m6

F#m7b5 B7 E-Δ Em6 Em7b5 A7 D-Δ Dm6

C#m7b5 F#7 B-Δ Bm6 Bm7b5 E7 A-Δ Am6

Am7b5 D7 G-Δ Gm6 Gm7b5 C7 F-Δ Fm6

Fm7b5 Bb7 Eb-Δ Ebm6 D#m7b5 G#7 C#-Δ C#m6 Dm7b5 G7

And the other set.

Dm7 \flat 5 G7 C- Δ Cm6 Cm7 \flat 5 F7 B \flat - Δ B \flat m6

A \sharp m7 \flat 5 D \sharp 7 G \sharp - Δ G \sharp m6 G \sharp m7 \flat 5 C \sharp 7 F \sharp - Δ F \sharp m6

F \sharp m7 \flat 5 B7 E- Δ Em6 Em7 \flat 5 A7 D- Δ Dm6

C \sharp m7 \flat 5 F \sharp 7 B- Δ Bm6 Bm7 \flat 5 E7 A- Δ Am6

Am7b5 D7 G-Δ Gm6 Gm7b5 C7 F-Δ Fm6

Fm7b5 Bb7 Eb-Δ Ebm6 D#m7b5 G#7 C#-Δ C#m6 Dm7b5 G7

Part two: Tritone Substitutions

Now that we've gotten through all of those variations, let's play all of that over again, but this time using the tritone substitution on all of the V chords.

Dm7b5 Db7 Cm6 C#m7b5 C7 Bm6

Cm7b5 B7 Bbm6 Bm7b5 Bb7 Am6

A#m7b5 A7 G#m6 Am7b5 Ab7 Gm6

G#m7b5 G7 F#m6 Gm7b5 Gb7 Fm6

F#m7b5 F7 Em6 Fm7b5 E7 Ebm6

Em7b5 Eb7 Dm6 D#m7b5 D7 C#m6

And the other set

Dm7b5 D \flat 7 Cm6 C \sharp m7b5 C7 Bm6

Cm7b5 B7 B \flat m6 Bm7b5 B \flat 7 Am6

A \sharp m7b5 A7 G \sharp m6 Am7b5 A \flat 7 Gm6

G \sharp m7b5 G7 F \sharp m6 Gm7b5 G \flat 7 Fm6

F#m7b5 F7 Em6 Fm7b5 E7 Ebm6

Em7b5 Eb7 Dm6 D#m7b5 D7 C#m6

Now lets do all of that again, this time resolving into minor 7th chords instead.

Dm7b5 Db7 Cm7 C#m7b5 C7 Bm7

Cm7b5 B7 Bbm7 Bm7b5 Bb7 Am7

A#m7b5 A7 G#m7 Am7b5 Ab7 Gm7

G#m7b5 G7 F#m7 Gm7b5 Gb7 Fm7

F#m7b5 F7 Em7 Fm7b5 E7 Ebm7

Em7b5 Eb7 Dm7 D#m7b5 D7 C#m7

And the other set

Dm7 \flat 5 D \flat 7 Cm7 C \sharp m7 \flat 5 C7 Bm7

Cm7 \flat 5 B7 B \flat m7 Bm7 \flat 5 B \flat 7 Am7

A \sharp m7 \flat 5 A7 G \sharp m7 Am7 \flat 5 A \flat 7 Gm7

G \sharp m7 \flat 5 G7 F \sharp m7 Gm7 \flat 5 G \flat 7 Fm7

F#m7b5 F7 Em7 Fm7b5 E7 Ebm7

Em7b5 Eb7 Dm7 D#m7b5 D7 C#m7

Now resolving into minor-major 7ths.

Dm7b5 Db7 C-Δ C#m7b5 C7 B-Δ

Cm7b5 B7 Bb-Δ Bm7b5 Bb7 A-Δ

A#m7b5 A7 G#-Δ Am7b5 Ab7 G-Δ

G#m7b5 G7 F#-Δ Gm7b5 Gb7 F-Δ

F#m7b5 F7 E-Δ Fm7b5 E7 Eb-Δ

Em7b5 Eb7 D-Δ D#m7b5 D7 C#-Δ

And the other set.

Chord progression 1: Dm7 \flat 5, D \flat 7, C- Δ , C \sharp m7 \flat 5, C7, B- Δ

Chord progression 2: Cm7 \flat 5, B7, B \flat - Δ , Bm7 \flat 5, B \flat 7, A- Δ

Chord progression 3: A \sharp m7 \flat 5, A7, G \sharp - Δ , Am7 \flat 5, A \flat 7, G- Δ

Chord progression 4: G \sharp m7 \flat 5, G7, F \sharp - Δ , Gm7 \flat 5, G \flat 7, F- Δ

F#m7b5 F7 E-Δ Fm7b5 E7 Eb-Δ

Em7b5 Eb7 D-Δ D#m7b5 D7 C#-Δ

Now let's go ahead and practice resolving those minor-Major 7th chords down into minor 6th chords.

Dm7b5 Db7 C-Δ Cm6 C#m7b5 C7 B-Δ Bm6

Cm7b5 B7 Bb-Δ Bbm6 Bm7b5 Bb7 A-Δ Am6

A#m7b5 A7 G#-Δ G#m6 Am7b5 Ab7 G-Δ Gm6

G#m7b5 G7 F#-Δ F#m6 Gm7b5 Gb7 F-Δ Fm6

F#m7b5 F7 E-Δ Em6 Fm7b5 E7 Eb-Δ Ebm6

Em7b5 Eb7 D-Δ Dm6 D#m7b5 D7 C#-Δ C#m6

And the other set

Dm7b5 D \flat 7 C- Δ Cm6 C \sharp m7b5 C7 B- Δ Bm6

Cm7b5 B7 B \flat - Δ B \flat m6 Bm7b5 B \flat 7 A- Δ Am6

A \sharp m7b5 A7 G \sharp - Δ G \sharp m6 Am7b5 A \flat 7 G- Δ Gm6

G \sharp m7b5 G7 F \sharp - Δ F \sharp m6 Gm7b5 G \flat 7 F- Δ Fm6

F#m7b5 F7 E-Δ Em6 Fm7b5 E7 Eb-Δ Ebm6

Em7b5 Eb7 D-Δ Dm6 D#m7b5 D7 C#-Δ C#m6

Now lets practice moving each of those options around the circle, starting with the minor 6th chords.

Dm7b5 Db7 Cm6 Gm7b5 Gb7 Fm6

Cm7b5 B7 Bbm6 Fm7b5 E7 Ebm6

A#m7b5 A7 G#m6 D#m7b5 D7 C#m6

G#m7b5 G7 F#m6 C#m7b5 C7 Bm6

F#m7b5 F7 Em6 Bm7b5 Bb7 Am6

Em7b5 Eb7 Dm6 Am7b5 Ab7 Gm6

And the other set.

Dm7 \flat 5 D \flat 7 Cm6 Gm7 \flat 5 G \flat 7 Fm6

Cm7 \flat 5 B7 B \flat m6 Fm7 \flat 5 E7 E \flat m6

A \sharp m7 \flat 5 A7 G \sharp m6 D \sharp m7 \flat 5 D7 C \sharp m6

G \sharp m7 \flat 5 G7 F \sharp m6 C \sharp m7 \flat 5 C7 Bm6

F#m7b5 F7 Em6 Bm7b5 Bb7 Am6

Em7b5 Eb7 Dm6 Am7b5 Ab7 Gm6

Now around the circle again, but resolving to minor 7th chords.

Dm7b5 Db7 Cm7 Gm7b5 Gb7 Fm7

Cm7b5 B7 Bbm7 Fm7b5 E7 Ebm7

A#m7b5 A7 G#m7 D#m7b5 D7 C#m7

G#m7b5 G7 F#m7 C#m7b5 C7 Bm7

F#m7b5 F7 Em7 Bm7b5 Bb7 Am7

Em7b5 Eb7 Dm7 Am7b5 Ab7 Gm7

And the other set.

Dm7 \flat 5 D \flat 7 Cm7 Gm7 \flat 5 G \flat 7 Fm7

Cm7 \flat 5 B7 B \flat m7 Fm7 \flat 5 E7 E \flat m7

A \sharp m7 \flat 5 A7 G \sharp m7 D \sharp m7 \flat 5 D7 C \sharp m7

G \sharp m7 \flat 5 G7 F \sharp m7 C \sharp m7 \flat 5 C7 Bm7

F#m7b5 F7 Em7 Bm7b5 Bb7 Am7

Em7b5 Eb7 Dm7 Am7b5 Ab7 Gm7

Now around the circle again, but resolving to minor-major 7th chords.

Dm7b5 Db7 C-Δ Gm7b5 Gb7 F-Δ

Cm7b5 B7 Bb-Δ Fm7b5 E7 Eb-Δ

A#m7b5 A7 G#-Δ D#m7b5 D7 C#-Δ

G#m7b5 G7 F#-Δ C#m7b5 C7 B-Δ

F#m7b5 F7 E-Δ Bm7b5 Bb7 A-Δ

Em7b5 Eb7 D-Δ Am7b5 Ab7 G-Δ

And the other set

Dm7b5 D \flat 7 C- Δ Gm7b5 G \flat 7 F- Δ

Cm7b5 B7 B \flat - Δ Fm7b5 E7 E \flat - Δ

A#m7b5 A7 G#- Δ D#m7b5 D7 C#- Δ

G#m7b5 G7 F#- Δ C#m7b5 C7 B- Δ

F#m7b5 F7 E-Δ Bm7b5 Bb7 A-Δ

Em7b5 Eb7 D-Δ Am7b5 Ab7 G-Δ

And once more around the circle, but resolving the minor-major 7ths down to minor 6th chords.

Dm7b5 Db7 C-Δ Cm6 Gm7b5 Gb7 F-Δ Fm6

Cm7b5 B7 Bb-Δ Bbm6 Fm7b5 E7 Eb-Δ Ebm6

A#m7b5 A7 G#-Δ G#m6 D#m7b5 D7 C#-Δ C#m6

G#m7b5 G7 F#-Δ F#m6 C#m7b5 C7 B-Δ Bm6

F#m7b5 F7 E-Δ Em6 Bm7b5 Bb7 A-Δ Am6

Em7b5 Eb7 D-Δ Dm6 Am7b5 Ab7 G-Δ Gm6

And the other set

Dm7b5 D \flat 7 C- Δ Cm6 Gm7b5 G \flat 7 F- Δ Fm6

Cm7b5 B7 B \flat - Δ B \flat m6 Fm7b5 E7 E \flat - Δ E \flat m6

A \sharp m7b5 A7 G \sharp - Δ G \sharp m6 D \sharp m7b5 D7 C \sharp - Δ C \sharp m6

G \sharp m7b5 G7 F \sharp - Δ F \sharp m6 C \sharp m7b5 C7 B- Δ Bm6

F#m7b5 F7 E-Δ Em6 Bm7b5 Bb7 A-Δ Am6

Em7b5 Eb7 D-Δ Dm6 Am7b5 Ab7 G-Δ Gm6

Now lets practice all of those options again in descending whole steps

Dm7b5 Db7 Cm6 Cm7b5 B7 Bbm6

A#m7b5 A7 G#m6 G#m7b5 G7 F#m6

F#m7b5 F7 Em6 Em7b5 Eb7 Dm6

C#m7b5 C7 Bm6 Bm7b5 Bb7 Am6

Am7b5 Ab7 Gm6 Gm7b5 Gb7 Fm6

Fm7b5 E7 Ebm6 D#m7b5 D7 C#m6

And the other set.

Dm7 \flat 5 D \flat 7 Cm6 Cm7 \flat 5 B7 B \flat m6

The first system of chords is written on a grand staff with two staves. The treble clef staff contains triads for each chord, and the bass clef staff contains single notes. The chords are: Dm7 \flat 5 (F, A \flat , C), D \flat 7 (F, A \flat , C, E \flat), Cm6 (C, E \flat , G, A \flat), Cm7 \flat 5 (C, E \flat , G, A \flat , B \flat), B7 (F, A, C, E), and B \flat m6 (B \flat , D, F, G).

A \sharp m7 \flat 5 A7 G \sharp m6 G \sharp m7 \flat 5 G7 F \sharp m6

The second system of chords is written on a grand staff with two staves. The treble clef staff contains triads for each chord, and the bass clef staff contains single notes. The chords are: A \sharp m7 \flat 5 (C \sharp , E, G, F \flat), A7 (C \sharp , E, G, F \sharp), G \sharp m6 (G, B, D, C \sharp), G \sharp m7 \flat 5 (G, B, D, C \sharp , E \flat), G7 (G, B, D, F \sharp), and F \sharp m6 (F \sharp , A, C, D).

F \sharp m7 \flat 5 F7 Em6 Em7 \flat 5 E \flat 7 Dm6

The third system of chords is written on a grand staff with two staves. The treble clef staff contains triads for each chord, and the bass clef staff contains single notes. The chords are: F \sharp m7 \flat 5 (A, C, E, D \flat), F7 (A, C, E, D \sharp), Em6 (E, G, B, C \sharp), Em7 \flat 5 (E, G, B, C \sharp , D \flat), E \flat 7 (E \flat , G, B, D), and Dm6 (D, F, A, B).

C \sharp m7 \flat 5 C7 Bm6 Bm7 \flat 5 B \flat 7 Am6

The fourth system of chords is written on a grand staff with two staves. The treble clef staff contains triads for each chord, and the bass clef staff contains single notes. The chords are: C \sharp m7 \flat 5 (E, G, B, A \flat), C7 (E, G, B, A), Bm6 (B, D, F, G), Bm7 \flat 5 (B, D, F, G, A \flat), B \flat 7 (B \flat , D, F, G), and Am6 (A, C, E, F).

Am7b5 Ab7 Gm6 Gm7b5 Gb7 Fm6

Fm7b5 E7 Ebm6 D#m7b5 D7 C#m6

Now lets do all of that again, this time resolving into minor 7th chords instead.
 All of the voices will stay the same from the i chord to the next ii.

Dm7b5 Db7 Cm7 Cm7b5 B7 Bbm7

A#m7b5 A7 G#m7 G#m7b5 G7 F#m7

F#m7b5 F7 Em7 Em7b5 Eb7 Dm7

C#m7b5 C7 Bm7 Bm7b5 Bb7 Am7

Am7b5 Ab7 Gm7 Gm7b5 Gb7 Fm7

Fm7b5 E7 Ebm7 D#m7b5 D7 C#m7

And the other set.

Chord progression: Dm7b5, Db7, Cm7, Cm7b5, B7, Bbm7.

The first system of music shows a sequence of six chords: Dm7b5, Db7, Cm7, Cm7b5, B7, and Bbm7. Each chord is represented by a triad in the treble clef and a single bass note in the bass clef. The bass notes are D, Db, C, Bb, B, and Bb respectively.

Chord progression: A#m7b5, A7, G#m7, G#m7b5, G7, F#m7.

The second system of music shows a sequence of six chords: A#m7b5, A7, G#m7, G#m7b5, G7, and F#m7. Each chord is represented by a triad in the treble clef and a single bass note in the bass clef. The bass notes are A, A, G#, G, G, and F# respectively.

Chord progression: F#m7b5, F7, Em7, Em7b5, Eb7, Dm7.

The third system of music shows a sequence of six chords: F#m7b5, F7, Em7, Em7b5, Eb7, and Dm7. Each chord is represented by a triad in the treble clef and a single bass note in the bass clef. The bass notes are F#, F, E, Eb, Eb, and D respectively.

Chord progression: C#m7b5, C7, Bm7, Bm7b5, Bb7, Am7.

The fourth system of music shows a sequence of six chords: C#m7b5, C7, Bm7, Bm7b5, Bb7, and Am7. Each chord is represented by a triad in the treble clef and a single bass note in the bass clef. The bass notes are C#, C, B, Bb, Bb, and A respectively.

Am7b5 Ab7 Gm7 Gm7b5 Gb7 Fm7

Fm7b5 E7 Ebm7 D#m7b5 D7 C#m7

Resolving into minor-major 7th chords.

Dm7b5 Db7 C-Δ Cm7b5 B7 Bb-Δ

A#m7b5 A7 G#-Δ G#m7b5 G7 F#-Δ

F#m7b5 F7 E-Δ Em7b5 Eb7 D-Δ

C#m7b5 C7 B-Δ Bm7b5 Bb7 A-Δ

Am7b5 Ab7 G-Δ Gm7b5 Gb7 F-Δ

Fm7b5 E7 Eb-Δ D#m7b5 D7 C#-Δ

And the other set.

Dm7b5 D \flat 7 C- Δ Cm7b5 B7 B \flat - Δ

Musical notation for the first system of chords. The treble clef contains triads for Dm7b5, D \flat 7, C- Δ , Cm7b5, B7, and B \flat - Δ . The bass clef contains single notes: D, D \flat , C, C \flat , B, and B \flat .

A \sharp m7b5 A7 G \sharp - Δ G \sharp m7b5 G7 F \sharp - Δ

Musical notation for the second system of chords. The treble clef contains triads for A \sharp m7b5, A7, G \sharp - Δ , G \sharp m7b5, G7, and F \sharp - Δ . The bass clef contains single notes: A, A \sharp , G, G \sharp , F \sharp , and F \sharp .

F \sharp m7b5 F7 E- Δ Em7b5 E \flat 7 D- Δ

Musical notation for the third system of chords. The treble clef contains triads for F \sharp m7b5, F7, E- Δ , Em7b5, E \flat 7, and D- Δ . The bass clef contains single notes: F \sharp , F, E, E \flat , E \flat , and D.

C \sharp m7b5 C7 B- Δ Bm7b5 B \flat 7 A- Δ

Musical notation for the fourth system of chords. The treble clef contains triads for C \sharp m7b5, C7, B- Δ , Bm7b5, B \flat 7, and A- Δ . The bass clef contains single notes: C \sharp , C, B, B \flat , B \flat , and A.

Am7 \flat 5 A \flat 7 G- Δ Gm7 \flat 5 G \flat 7 F- Δ

Fm7 \flat 5 E7 E \flat - Δ D \sharp m7 \flat 5 D7 C \sharp - Δ

Lastly, lets resolve those minor-major 7ths down to minor 6ths. Now the 6th of the i chord will resolve up a half step to the 7th of the next ii chord.

Dm7 \flat 5 D \flat 7 C- Δ Cm6 Cm7 \flat 5 B7 B \flat - Δ B \flat m6

A \sharp m7 \flat 5 A7 G \sharp - Δ G \sharp m6 G \sharp m7 \flat 5 G7 F \sharp - Δ F \sharp m6

F#m7b5 F7 E-Δ Em6 Em7b5 Eb7 D-Δ Dm6

C#m7b5 C7 B-Δ Bm6 Bm7b5 Bb7 A-Δ Am6

Am7b5 Ab7 G-Δ Gm6 Gm7b5 Gb7 F-Δ Fm6

Fm7b5 E7 Eb-Δ Ebm6 D#m7b5 D7 C#-Δ C#m6

And finally, the other set.

Dm7 \flat 5 D \flat 7 C- Δ Cm6 Cm7 \flat 5 B7 B \flat - Δ B \flat m6

A \sharp m7 \flat 5 A7 G \sharp - Δ G \sharp m6 G \sharp m7 \flat 5 G7 F \sharp - Δ F \sharp m6

F \sharp m7 \flat 5 F7 E- Δ Em6 Em7 \flat 5 E \flat 7 D- Δ Dm6

C \sharp m7 \flat 5 C7 B- Δ Bm6 Bm7 \flat 5 B \flat 7 A- Δ Am6

Am7b5 Ab7 G-Δ Gm6 Gm7b5 Gb7 F-Δ Fm6

Fm7b5 E7 Eb-Δ Ebm6 D#m7b5 D7 C#-Δ C#m6

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