

SHIFTING IN PASSAGES

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SHIFTING IN PASSAGES

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APART from any consideration of the bow, shifting is the chief disturbing factor in passage work on the violin, as the necessary and usually quick movement of the hand and arm is likely to disarrange the position of the fingers in relation to the strings.

The position of the hand in shifting is usually treated in a haphazard manner, the intonation of the note being the main concern. Granted the violinist possesses a "good ear," most important for good intonation and clean passage work is the accurate and systematic placing of the hand in positions that bring the notes comfortably under the fingers.

If, in the following exercises, the physical aspect of shifting be kept uppermost, using intonation merely as a proof of the correctness or otherwise of the hand position, it should become habitual for the student to sense these positions so correctly that the hand will be placed with comfort and certainty, leaving the mind free for other things.

*) Before making a shift, have the objective position clearly in mind. As clearness of thought in this matter is often taken for granted without its being present, it is suggested that in the following exercises, before the note preceding the shift is played, the oncoming note and its position be named *aloud*.

Get to know exactly where the hand should be placed for each position, and in shifting ignore the intervening distance. Think only of the position of the hand for the objective note and insist on taking up definitely the same position whether approaching from above or below. *This is the essence of this study.*

Insist on the three unused fingers being kept above and equidistant from the string in use.

Keep the shifting finger barely in contact with the string—not pressed down while shifting.

Do not grip with the thumb.

Keep the bow moving during shifts.

Do not allow the violin to move either to right or left.

Frequently practise placing the hand silently in any chosen position without preparation, testing the position by sounding a note.

Do not use vibrato.

For clear articulation: first play the passage slowly and loudly, using the whole bow. Treat each note as an individual note, with a quick and complete pressing of the string to the fingerboard and a quick release of the fingers. Make each note "click."

Give the dotted notes their full value with full tone.

As certainty increases, increase the speed, playing more softly and using less bow.

In Variation 4 of each exercise see that the 5th and 6th notes of the first group, and the 1st and 2nd notes of the second group are played evenly and firmly — especially do not wait on the first note of the 2nd group.

*) *Read this frequently.*

First Finger Shifts

Lento

Play the above also from memory, naming the notes and positions.

VARIATION I

During the rests, quickly place the hand back in the original position, retaining in mind however, the exact position of the hand for the objective note, so that the ensuing quick shift may be done confidently.

VARIATION II: The shift at the end of a passage

VARIATION III: The shift at the beginning of a passage

* Watch the Ab & D \sharp in this bar.

VARIATION IV: The shift in the middle of a passage

Second Finger

Continue this figure to the VIII Position, then return.

Third Finger

Fourth Finger

Var. 1

Var. 2

Var. 3

First and Second Fingers

Var. 1

Var. 2

Var. 3

Var. 4

Var. 5

First and Third Fingers

Main musical staff in G major, 4/4 time. The melody consists of eighth notes. Fingerings are indicated by numbers 1, 2, 3. Roman numerals II, III, IV, V, VI, VII, VI, V, IV, III, II, I are placed above the notes.

Var. 1 musical staff in G major, 4/4 time. The melody consists of eighth notes. Fingerings are indicated by numbers 1, 2, 3. Roman numerals II, I, II are placed above the notes.

Second musical staff in G major, 4/4 time. The melody consists of eighth notes. Fingerings are indicated by numbers 3, 1. Roman numerals VI, VII, VI, VII, VI, V, VI, V are placed above the notes.

Var. 2 musical staff in G major, 6/8 time. The melody consists of eighth notes. Fingerings are indicated by numbers 1, 2, 3. Roman numeral II is placed above the notes.

Third musical staff in G major, 6/8 time. The melody consists of eighth notes. Fingerings are indicated by numbers 3, 1. Roman numerals VI, VII, VI, V are placed above the notes.

Var. 3 musical staff in G major, 9/8 time. The melody consists of eighth notes. Fingerings are indicated by numbers 1, 2, 3. Roman numeral II is placed above the notes.

Fourth musical staff in G major, 9/8 time. The melody consists of eighth notes. Fingerings are indicated by numbers 3, 1. Roman numerals VI, VII, VI, V are placed above the notes.

Var. 4 musical staff in G major, 9/8 time. The melody consists of eighth notes. Fingerings are indicated by numbers 1, 2, 3. Roman numeral II is placed above the notes.

Fifth musical staff in G major, 9/8 time. The melody consists of eighth notes. Fingerings are indicated by numbers 3, 1. Roman numerals VI, VII, VI, V are placed above the notes.

First and Fourth Fingers

Main musical staff in G major, 4/4 time. The melody consists of eighth notes. Fingerings are indicated above the notes: I, 2, 1, 3, 1, 4, 1, 4, II, III, IV, V, VII, V, VI, V, IV, III, II, I. The notes are G4, A4, B4, C5, B4, A4, G4, F4, E4, D4, C4, B3, A3, G3, F3, E3, D3, C3, B2, A2, G2, F2, E2, D2, C2, B1, A1, G1.

Var. 1 musical staff in G major, 4/4 time. The melody consists of eighth notes. Fingerings are indicated above the notes: II, I, II. The notes are G4, A4, B4, C5, B4, A4, G4, F4, E4, D4, C4, B3, A3, G3, F3, E3, D3, C3, B2, A2, G2, F2, E2, D2, C2, B1, A1, G1.

Second musical staff in G major, 4/4 time. The melody consists of eighth notes. Fingerings are indicated above the notes: V, VII, V, VII, V, VI, V, VI, V, IV. The notes are G4, A4, B4, C5, B4, A4, G4, F4, E4, D4, C4, B3, A3, G3, F3, E3, D3, C3, B2, A2, G2, F2, E2, D2, C2, B1, A1, G1.

Var. 2 musical staff in G major, 6/8 time. The melody consists of eighth notes. Fingerings are indicated below the notes: 1, 2, 1, 3, 1, 4, 1, 4. The notes are G4, A4, B4, C5, B4, A4, G4, F4, E4, D4, C4, B3, A3, G3, F3, E3, D3, C3, B2, A2, G2, F2, E2, D2, C2, B1, A1, G1.

Third musical staff in G major, 6/8 time. The melody consists of eighth notes. Fingerings are indicated above the notes: V, VII, V, VI, V, IV. The notes are G4, A4, B4, C5, B4, A4, G4, F4, E4, D4, C4, B3, A3, G3, F3, E3, D3, C3, B2, A2, G2, F2, E2, D2, C2, B1, A1, G1.

Var. 3 musical staff in G major, 9/8 time. The melody consists of eighth notes. Fingerings are indicated below the notes: 1, 2, 1, 3, 1, 4, 1, 4. The notes are G4, A4, B4, C5, B4, A4, G4, F4, E4, D4, C4, B3, A3, G3, F3, E3, D3, C3, B2, A2, G2, F2, E2, D2, C2, B1, A1, G1.

Fourth musical staff in G major, 9/8 time. The melody consists of eighth notes. Fingerings are indicated above the notes: V, VII, V, VI, V, IV. The notes are G4, A4, B4, C5, B4, A4, G4, F4, E4, D4, C4, B3, A3, G3, F3, E3, D3, C3, B2, A2, G2, F2, E2, D2, C2, B1, A1, G1.

Var. 4 musical staff in G major, 9/8 time. The melody consists of eighth notes. Fingerings are indicated below the notes: 1, 2, 1, 3. The notes are G4, A4, B4, C5, B4, A4, G4, F4, E4, D4, C4, B3, A3, G3, F3, E3, D3, C3, B2, A2, G2, F2, E2, D2, C2, B1, A1, G1.

Fifth musical staff in G major, 9/8 time. The melody consists of eighth notes. Fingerings are indicated above the notes: II, V, VII. The notes are G4, A4, B4, C5, B4, A4, G4, F4, E4, D4, C4, B3, A3, G3, F3, E3, D3, C3, B2, A2, G2, F2, E2, D2, C2, B1, A1, G1.

Sixth musical staff in G major, 9/8 time. The melody consists of eighth notes. Fingerings are indicated above the notes: V, VI, V, IV. The notes are G4, A4, B4, C5, B4, A4, G4, F4, E4, D4, C4, B3, A3, G3, F3, E3, D3, C3, B2, A2, G2, F2, E2, D2, C2, B1, A1, G1.

Second and Fourth Fingers

Main musical staff with fingerings: II, III, IV, V, VI, VII, VI, V, IV, III, II, I.

Var. 1

First variation musical staff with fingerings: 2, 3, 2, 4, 2, 4, 2, 4, 2, 4, 2, 4, 2, 4, 2, 4, 2, 4, 2, 4, 2, 4.

Second variation musical staff with fingerings: VI, VII, VI, VII, VI, V, VI, V.

Var. 2

Third variation musical staff with fingerings: 2, 3, 2, 4, 2, 4, 2, 4.

Fourth variation musical staff with fingerings: VI, VII, VI, V.

Var. 3

Fifth variation musical staff with fingerings: 2, 3, 2, 4, 2, 4, 2, 4.

Sixth variation musical staff with fingerings: VI, VII, VI, V.

Var. 4

Seventh variation musical staff with fingerings: 2, 3, 2, 4, 2, 4, 2, 4.

Eighth variation musical staff with fingerings: VI, VII, VI, V.

Third and First Fingers

Main musical staff for 'Third and First Fingers'. The melody consists of ten eighth notes ascending from G4 to G5, followed by ten eighth notes descending from G5 to G4. Fingerings are indicated above the notes: 3, 1, 3, 1, 3, 1, 3, 1, 3, 1 for the ascent; 1, 3, 1, 3, 1, 3, 1, 3, 1, 3 for the descent.

Var. 1: Musical staff in 4/4 time. It features a sequence of eighth notes with fingerings 3, 1, 3, 1, 3, 1, 3, 1, 3, 1. The notes are grouped into pairs with slurs.

Var. 2: Musical staff in 6/8 time. It features a sequence of eighth notes with fingerings 3, 1, 1, 3. The notes are grouped into pairs with slurs.

Var. 3: Musical staff in 9/8 time. It features a sequence of eighth notes with fingerings 3, 1, 3. The notes are grouped into pairs with slurs.

Var. 4: Musical staff in 9/8 time. It features a sequence of eighth notes with fingerings 3, 1, 3. The notes are grouped into pairs with slurs.

Third and Second Fingers

Main musical staff for 'Third and Second Fingers'. The melody consists of ten eighth notes ascending from G4 to G5, followed by ten eighth notes descending from G5 to G4. Fingerings are indicated above the notes: 3, 2, 3, 2, 3, 2, 3, 2, 3, 2 for the ascent; 2, 3, 2, 3, 2, 3, 2, 3, 2, 3 for the descent.

Var. 1: Musical staff in 4/4 time. It features a sequence of eighth notes with fingerings 3, 2, 3, 2, 3, 2, 3, 2, 3, 2. The notes are grouped into pairs with slurs.

Var. 2: Musical staff in 6/8 time. It features a sequence of eighth notes with fingerings 3, 2, 2, 3. The notes are grouped into pairs with slurs.

Var. 3: Musical staff in 9/8 time. It features a sequence of eighth notes with fingerings 3, 2, 3. The notes are grouped into pairs with slurs.

Var. 4: Musical staff in 9/8 time. It features a sequence of eighth notes with fingerings 3, 2, 3. The notes are grouped into pairs with slurs.

Third and Fourth Fingers

Main musical staff for Third and Fourth Fingers. The melody consists of eighth notes with slurs. Fingerings are indicated by Roman numerals II, III, IV, V, VI, VII above the notes. Below the staff, the fingerings are grouped as 3 4 3 4 and 4 3 4 3.

Var. 1. Musical staff with a treble clef and a key signature of one sharp (F#). The melody features slurs and fingerings II, I, II, VII, VI, VII, VI. Below the staff, the fingerings are 3 4 3 4 3 4 4 3 4 3 4 3 4 3.

Var. 2. Musical staff with a treble clef and a key signature of one sharp (F#). The melody features slurs and fingerings II, VII, VI. Below the staff, the fingerings are 3 4 3 4 4 4 3 4 3 4 3.

Var. 3. Musical staff with a treble clef and a key signature of one sharp (F#). The melody features slurs and fingerings II, VII, VI. Below the staff, the fingerings are 3 4 3 4 4 3 4 3.

Var. 4. Musical staff with a treble clef and a key signature of one sharp (F#). The melody features slurs and fingerings II. Below the staff, the fingerings are 3 4 3 4.

Continuation of Variation 4. The melody features slurs and fingerings VII, VI. Below the staff, the fingerings are 4 3 4 3.

Fourth and First Fingers

Main musical staff for Fourth and First Fingers. The melody consists of eighth notes with slurs. Fingerings are indicated by Roman numerals V, VI, VII, VIII, IX, X, XI above the notes. Below the staff, the fingerings are grouped as 4 1 4 1 and 1 4 1 4.

Var. 1. Musical staff with a treble clef and a key signature of two sharps (F#, C#). The melody features slurs and fingerings V, I, V, XI, VII, XI, VII. Below the staff, the fingerings are 4 1 4 1 1 4 1 4.

Var. 2. Musical staff with a treble clef and a key signature of two sharps (F#, C#). The melody features slurs and fingerings XI, VII. Below the staff, the fingerings are 4 1 1 4.

Var. 3. Musical staff with a treble clef and a key signature of two sharps (F#, C#). The melody features slurs and fingerings V, XI, VII. Below the staff, the fingerings are 4 1 1 4.

Var. 4. Musical staff with a treble clef and a key signature of two sharps (F#, C#). The melody features slurs and fingerings V, XI, VII. Below the staff, the fingerings are 4 1 1 4.

Fourth and Second Fingers

IV V VI VII VIII IX X VII VI V IV III II I

4 2 2 4

Var. 1 IV I IV X VII X VII
4 2 4 2 2 4 2 4

Var. 2 IV X VII
4 2 2

Var. 3 IV X VII
4 2

Var. 4 IV X VII
4 2

Fourth and Third Fingers

III IV V VI VII VIII IX VII VI V IV III II I

4 3 3 4

Var. 1 III I III IX VII IX VII
4 3 4 3 3 4 3 4

Var. 2 III IX VII
4 3 3

Var. 3 III IX VII
4 3

Var. 4 III IX VII
4 3

These exercises have been placed purposely on the D String to shape the hand and arm to the more awkward part of the instrument, but they should be worked out on the other three especially on the E String, as much of the passage work in the higher positions is written for this string.

Shifting Exercises in Thirds

★ Place the fingers on both notes, but sound only the black notes.

Lento

Var. 1

Var. 2

Var. 3

Var. 4

★

★

Var. 1

Var. 2

Var. 3

Var. 4

★

★

 This system contains the first two staves of the main piece. The first staff has measures 1-8 with labels II through VIII. The second staff has measures 9-16 with labels VII through I. Both staves have a 2/4 time signature.

Var. 1
 Var. 2
 This system contains two variations. Variation 1 (left) has measures 1-8 with labels II, I, II, VIII, VII, VIII, VII. Variation 2 (right) has measures 1-6 with labels II, VIII, VII. Both are in 2/4 time.

★ Var. 3
 This system contains Variation 3, measures 1-6. It has labels II, VIII, VII. The time signature is 2/4.

★ Var. 4
 This system contains Variation 4, measures 1-6. It has labels II, VIII, VII. The time signature is 2/4.

★

 This system contains the third and fourth staves of the main piece. The third staff has measures 1-8 with labels III through IX. The fourth staff has measures 9-16 with labels VII through I. Both staves have a 2/4 time signature.

Var. 1
 Var. 2
 This system contains two variations. Variation 1 (left) has measures 1-8 with labels III, I, III, IX, VII, IX, VII. Variation 2 (right) has measures 1-6 with labels III, IX, VII. Both are in 2/4 time.

★ Var. 3
 This system contains Variation 3, measures 1-6. It has labels III, IX, VII. The time signature is 2/4.

★ Var. 4
 This system contains Variation 4, measures 1-6. It has labels IX, VII. The time signature is 2/4.

Sixths

Both fingers to be placed simultaneously.

1 2 3 2 1 2 4 3 1 2 4 3 II III IV V VI

3 4 2 1 3 4 2 1 3 4 2 1 IV III II I

Var. 1

2 3 2 3 2 4 2 1 3 4 2 1 2 4 3 2 1 3 4 2 1 II I II

VI VII VI VII VI V VI V

Var. 2

2 3 2 1 3 2 2 1 4 3 2 1 4 3 2 1 II

VI VII VI V

Var. 3

2 3 4 4 2 1 4 3 2 1 4 3 2 1 II

VI VII VI V

Var. 4

2 3 4 4 2 1 4 3 2 1 4 3 2 1 II

VI VII VI V

II III IV V VI VII VIII
2 3 3 2

VII VI V IV III II I
2 3 3 2

Var. 1 II I II
3 2 3 2

Var. 2 II VIII VII
3 2 4 3 2

Var. 3 II VIII VII
3 2 3 2

Var. 4 II III IV V VI VII
2 3 4 3

VI V IV III II I
3 4 3 2

Var. 1 II I II VII VI VII VI
3 2 4 3 3 2 4 3

Var. 2 II VII VI
3 2 4 3 3 2

Var. 3 II VII VI
3 2 4 3 3 2

Var. 4 II
3 2 4 3

VI
4 3 3 2

III IV V VI VII VIII IX
2 3 2 1

VII VI V IV III II I
1 2 3 2 1 2 3 2

Var. 1
III I III IX VII IX VII
3 2 2 1 3 2 1 2 3 2 1 2 3 2

Var. 2
III IX VII
3 2 2 1 3 2

Var. 3
III IX VII
3 2 2 1 3 2

Var. 4
III IX VII
3 2 4 2 1 3 2

II III IV V VI VII VIII
3 4 4 3

VII VI V IV III II I
3 4 4 3

Var. 1
II I II VIII VII VIII VII
4 3 4 3 4 3 4 3 4 3 4 3

Var. 2
VIII VII
4 3 4 3 4 3

Var. 3
II VIII VII
4 3 4 3 4 3

Var. 4
II VIII VII
4 3 4 3 4 3

Musical notation for the first system, featuring a sequence of notes with fingerings and slurs. The notes are labeled with Roman numerals III, IV, V, VI, VII, VIII, and IX. Fingerings include 3 4 3 2, 3 2, and 2 3 4 3.

Musical notation for the second system, continuing the sequence of notes with Roman numerals VII, VI, V, IV, III, II, and I. Fingerings include 2 3 4 3.

Var. 1 and Var. 2 musical notation. Var. 1 includes notes labeled III, I, III, IX, VII, IX, VII with fingerings 3 2, 4 3, 3 2, 3 2, 4 3, 3 2, 4 3. Var. 2 includes notes III, IX, VII with fingerings 4 3, 3 2, 3 2, 4 3.

Var. 3 and Var. 4 musical notation. Var. 3 includes notes III, IX, VII with fingerings 4 3, 3 2, 3 2, 4 3. Var. 4 includes notes III, IX, VII with fingerings 4 3, 3 2, 4 3.

Musical notation for the third system, featuring a sequence of notes with Roman numerals IV, V, VI, VII, VIII, IX, and X. Fingering includes 3 4 2 1.

Musical notation for the fourth system, continuing the sequence of notes with Roman numerals VII, VI, V, IV, III, II, and I. Fingerings include 1 2 4 3, 1 2 4 3.

Var. 1 and Var. 2 musical notation. Var. 1 includes notes IV, I, IV, X, VII, X, VII with fingerings 4 3, 2 1, 4 3, 2 1, 2 1, 4 3, 2 1, 4 3. Var. 2 includes notes IV, X, VII with fingerings 4 3, 2 1, 2 1, 4 3.

Var. 3 and Var. 4 musical notation. Var. 3 includes notes -IV, X, VII with fingerings 4 3, 2 1, 2 1, 4 3. Var. 4 includes notes X, VII with fingerings 2 1, 4 3.

Var. 4 musical notation. Includes notes IV, X, VII with fingerings 4 3, 2 1, 4 3.

Fourths

Main musical staff for 'Fourths' in G major, 2/4 time. It features a sequence of eighth-note chords labeled II through I. Fingerings are indicated as 1 2 and 2 1.

Var. 1 (4/4 time) and Var. 2 (6/8 time) of 'Fourths'. Both variations show different rhythmic patterns and fingerings for the chords.

Var. 3 (9/8 time) of 'Fourths'. This variation features a slower tempo and different chord voicings.

Var. 4 (9/8 time) of 'Fourths'. This variation features a slower tempo and different chord voicings.

Main musical staff for 'Fourths' in D major, 2/4 time. It features a sequence of eighth-note chords labeled II through I. Fingerings are indicated as 1 2 3 and 3 2.

Var. 1 (4/4 time) and Var. 2 (6/8 time) of 'Fourths' in D major. Both variations show different rhythmic patterns and fingerings for the chords.

Var. 3 (9/8 time) of 'Fourths' in D major. This variation features a slower tempo and different chord voicings.

Var. 4 (9/8 time) of 'Fourths' in D major. This variation features a slower tempo and different chord voicings.

Var. 5 (9/8 time) of 'Fourths' in D major. This variation features a slower tempo and different chord voicings.

Var. 6 (9/8 time) of 'Fourths' in D major. This variation features a slower tempo and different chord voicings.

Musical staff with notes and fingerings: II, III, IV, V, VI, VII, VIII, VII, VI, V, IV, III, II, I

Var. 1 and Var. 2 musical staves with notes and fingerings: II, I, II, VIII, VII, VIII, VII

Var. 3 and Var. 4 musical staves with notes and fingerings: VIII, VII

Musical staff with notes and fingerings: II, III, IV, V, VI, VII, VI, V, IV, III, II, I

Var. 1 musical staff with notes and fingerings: II, I, II, VII, VI, VII, VI

Var. 2 musical staff with notes and fingerings: II, VII, VI

Var. 3 musical staff with notes and fingerings: II, VII, VI

Var. 4 musical staff with notes and fingerings: II, VII, VI

Musical staff with notes and fingerings: VII, VI

Musical staff with notes and fingerings: III, IV, V, VI, VII, VIII, IX, VII, VI, V, IV, III, II, I

Var. 1 and Var. 2 musical staves with notes and fingerings: III, I, III, IX, VII, IX, VII

Var. 3 and Var. 4 musical staves with notes and fingerings: III, IX, VII

II III IV V VI VII VIII VII VI V IV III II I
 3/4 3/4 3/4 3/4 3/4 3/4 3/4 3/4 3/4 3/4 3/4 3/4 3/4 3/4 3/4 3/4 3/4 3/4

II I II VIII VII VIII VII
 3/4 3/4 3/4 3/4 3/4 3/4 3/4 3/4

II VIII VII
 3/4 3/4 3/4 3/4

II VIII VII
 3/4 3/4 3/4 3/4

II VIII VII
 3/4 3/4 3/4 3/4

III IV V VI VII VIII IX VII VI V IV III II I
 3/4 2/3 3/4 3/4 3/4 3/4 3/4 3/4 3/4 3/4 3/4 3/4 3/4 3/4 3/4 3/4 3/4 3/4

III I III IX VII IX VII
 3/4 2/3 3/4 2/3 2/3 3/4 2/3 3/4

III IX VII
 3/4 2/3 3/4 3/4

III IX VII
 3/4 2/3 3/4 2/3 3/4

III IX VII
 3/4 2/3 3/4 3/4

IV V VI VII VIII IX X VII VI V IV III II I
 3/4 1/2 3/4 3/4 3/4 3/4 3/4 3/4 3/4 3/4 3/4 3/4 3/4 3/4 3/4 3/4 3/4 3/4

IV I IV X VII X VII
 3/4 1/2 3/4 1/2 1/2 3/4 1/2 3/4

IV X VII
 3/4 1/2 1/2 3/4

IV X VII
 3/4 1/2 3/4 1/2 3/4

IV X VII
 3/4 1/2 3/4 3/4

Shifts in Octaves

II III IV V VI VII VIII VII VI V IV III II I

Var. 1

Var. 2

Var. 3

Var. 4

For most violinists the playing of "fingered octaves" entails a stretching back of the first and second fingers. Therefore the positions in the following exercises are determined by the upper note, and are marked accordingly.

II III IV V VI VII VIII IX VIII VII VI V IV III II

Var. 1

Var. 2

Var. 3

Var. 4

II III IV V VI VII VIII IX VIII VII VI V IV III II
 4/2 4/2 4/2 4/2

Var. 1 II III IX VIII IX VIII
 4/2 4/2 4/2 4/2 4/2 4/2

Var. 2 II III IX VIII
 4/2 4/2 4/2 4/2

Var. 3 II III IX VIII
 4/2 4/2 4/2 4/2

Var. 4 II III IX VIII
 4/2 4/2 4/2 4/2

II IV V VI VII VIII IX X VIII VII VI V IV III II
 4/2 3/1 3/1 4/2

Var. 1 II IV X VIII X VIII
 4/2 3/1 3/1 4/2 3/1 4/2

Var. 2 II IV X VIII
 4/2 3/1 3/1 4/2

Var. 3 II IV X VIII
 4/2 3/1 4/2 3/1

Var. 4 II IV X VIII
 4/2 3/1 4/2 3/1