Thesaurus of Diatonic Sets

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Contents

About the Sets

The Contents of Each Set Listing:

- **Set Name** -- The elements of the set in order. A chord with the R, 3rd, 9th, and 11th would be read as {R, 2, 3, 4}.
- **Set Description** -- The set type and the degree on which it is built.
- **Diatonic Interval Vector** -- All of the intervals that may be formed by this set, read in order as 2nds/7ths, 3rds/6ths, and 4ths/5ths. 213 means two 2nds, one 3rd, and three 4ths.
- **Subsets** -- Sets which are wholly contained within the original set. {2, 4, 5} is a subset of {R, 2, 3, 4} while {R, 2, 3, 5} is not.
- **Supersets** -- Sets that contain the entire original set. {R, 2, 3, 4, 5} is a superset of {R, 2, 3, 4} but {R, 3, 4, 5, 6} is not.
- **Sets with No Common Tones** -- Sets that do not contain any element of the original set. {5, 6, 7} has no tones in common with {R, 2, 3, 4}.

Order of Sets:

- The sets are ordered first by their number of notes, from 0 to 7.
- Sets of the same number of notes are grouped by intervallic content. Each group is named for a chord which may be built from its intervals.
- The chords are ordered from the most evenly distributed intervals to the least.
- The sets in each group are listed by the root of the chord in order of scale degree, from I through VII.

Sets of 0 Notes

- <u>Silence</u>

Silence on Each Degree

- **On I:** <u>Silence</u>
- **On II:** <u>Silence</u>
- **On III:** <u>Silence</u>
- **On IV:** <u>Silence</u>
- **On V:** <u>Silence</u>
- **On VI:** <u>Silence</u>
- **On VII:** <u>Silence</u>

{}

Silence.

Diatonic Interval Vector:

000

Subsets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Silence:** {}

- **Scale Degrees:** {R}, {2}, {3}, {4}, {5}, {6}, {7}

- **4ths/5ths:** {R, 4}, {2, 5}, {3, 6}, {4, 7}, {R, 5}, {2, 6}, {3, 7}
- **3rds/6ths:** {R, 3}, {2, 4}, {3, 5}, {4, 6}, {5, 7}, {1, 6}, {2, 7}
- **2nds/7ths:** {R, 2}, {2, 3}, {3, 4}, {4, 5}, {5, 6}, {6, 7}, {R, 7}

- **Triads:** {R, 3, 5}, {2, 4, 6}, {3, 5, 7}, {R, 4, 6}, {2, 5, 7}, {R, 3, 6}, {2, 4, 7}
- **Sus2s:** {R, 2, 5}, {2, 3, 6}, {3, 4, 7}, {R, 4, 5}, {2, 5, 6}, {3, 6, 7}, {R, 4, 7}
- **7no5s:** {R, 3, 7}, {R, 2, 4}, {2, 3, 5}, {3, 4, 6}, {4, 5, 7}, {R, 5, 6}, {2, 6, 7}
- **7no3s:** {R, 5, 7}, {R, 2, 6}, {2, 3, 7}, {R, 3, 4}, {2, 4, 5}, {3, 5, 6}, {4, 6, 7}
- **3 Note Clusters:** {R, 2, 3}, {2, 3, 4}, {3, 4, 5}, {4, 5, 6}, {5, 6, 7}, {R, 6, 7}, {R, 2, 7}

- **7s:** {R, 3, 5, 7}, {R, 2, 4, 6}, {2, 3, 5, 7}, {R, 3, 4, 6}, {2, 4, 5, 7}, {R, 3, 5, 6}, {2, 4, 6, 7}
- **Add9s:** {R, 2, 3, 5}, {2, 3, 4, 6}, {3, 4, 5, 7}, {R, 4, 5, 6}, {2, 5, 6, 7}, {R, 3, 6, 7}, {R, 2, 4, 7}
- **7sus4s:** {R, 4, 5, 7}, {R, 2, 5, 6}, {2, 3, 6, 7}, {R, 3, 4, 7}, {R, 2, 4, 5}, {2, 3, 5, 6}, {3, 4, 6, 7}
- **Add4s:** {R, 3, 4, 5}, {2, 4, 5, 6}, {3, 5, 6, 7}, {R, 4, 6, 7}, {R, 2, 5, 7}, {R, 2, 3, 6}, {2, 3, 4, 7}
- **4 Note Clusters:** {R, 2, 3, 4}, {2, 3, 4, 5}, {3, 4, 5, 6}, {4, 5, 6, 7}, {R, 5, 6, 7}, {R, 2, 6, 7}, {R, 2, 3, 7}

- **9ths:** {R, 2, 3, 5, 7}, {R, 2, 3, 4, 6}, {2, 3, 4, 5, 7}, {R, 3, 4, 5, 6}, {2, 4, 5, 6, 7}, {R, 3, 5, 6, 7}, {R, 2, 4, 6, 7}
- **6/9s:** {R, 2, 3, 5, 6}, {2, 3, 4, 6, 7}, {R, 3, 4, 5, 7}, {R, 2, 4, 5, 6}, {2, 3, 5, 6, 7}, {R, 3, 4, 6, 7}, {R, 2, 4, 5, 7}
- **5 Note Clusters:** {R, 2, 3, 4, 5}, {2, 3, 4, 5, 6}, {3, 4, 5, 6, 7}, {R, 4, 5, 6, 7}, {R, 2, 5, 6, 7}, {R, 2, 3, 6, 7}, {R, 2, 3, 4, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 2, 3, 4, 5, 6}, {2, 3, 4, 5, 6, 7}, {R, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Sets of 1 Note

- <u>Scale Degrees</u>

Each Degree of the Scale

- **On I:** {R}
- **On II:** {2}
- **On III:** {3}
- **On IV:** {4}
- **On V:** {5}
- **On VI:** {6}
- **On VII:** {7}

{R}

Single note on I.

Diatonic Interval Vector:

000

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** {R}

- **4ths/5ths:** {R, 4}, {R, 5}
- **3rds/6ths:** {R, 3}, {R, 6}
- **2nds/7ths:** {R, 2}, {R, 7}

- **Triads:** {R, 3, 5}, {R, 4, 6}, {R, 3, 6}
- **Sus2s:** {R, 2, 5}, {R, 4, 5}, {R, 4, 7}
- **7no5s:** {R, 3, 7}, {R, 2, 4}, {R, 5, 6}
- **7no3s:** {R, 5, 7}, {R, 2, 6}, {R, 3, 4}
- **3 Note Clusters:** {R, 2, 3}, {R, 6, 7}, {R, 2, 7}

- **7s:** {R, 3, 5, 7}, {R, 2, 4, 6}, {R, 3, 4, 6}, {R, 3, 5, 6}
- **Add9s:** {R, 2, 3, 5}, {R, 4, 5, 6}, {R, 3, 6, 7}, {R, 2, 4, 7}
- **7sus4s:** {R, 4, 5, 7}, {R, 2, 5, 6}, {R, 3, 4, 7}, {R, 2, 4, 5}
- **Add4s:** {R, 3, 4, 5}, {R, 4, 6, 7}, {R, 2, 5, 7}, {R, 2, 3, 6}
- **4 Note Clusters:** {R, 2, 3, 4}, {R, 5, 6, 7}, {R, 2, 6, 7}, {R, 2, 3, 7}

- **9ths:** {R, 2, 3, 5, 7}, {R, 2, 3, 4, 6}, {R, 3, 4, 5, 6}, {R, 3, 5, 6, 7}, {R, 2, 4, 6, 7}
- **6/9s:** {R, 2, 3, 5, 6}, {R, 3, 4, 5, 7}, {R, 2, 4, 5, 6}, {R, 3, 4, 6, 7}, {R, 2, 4, 5, 7}
- **5 Note Clusters:** {R, 2, 3, 4, 5}, {R, 4, 5, 6, 7}, {R, 2, 5, 6, 7}, {R, 2, 3, 6, 7}, {R, 2, 3, 4, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 2, 3, 4, 5, 6}, {R, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {2}, {3}, {4}, {5}, {6}, {7}

- **4ths/5ths:** {2, 5}, {3, 6}, {4, 7}, {2, 6}, {3, 7}
- **3rds/6ths:** {2, 4}, {3, 5}, {4, 6}, {5, 7}, {2, 7}
- **2nds/7ths:** {2, 3}, {3, 4}, {4, 5}, {5, 6}, {6, 7}

- **Triads:** {2, 4, 6}, {3, 5, 7}, {2, 5, 7}, {2, 4, 7}
- **Sus2s:** {2, 3, 6}, {3, 4, 7}, {2, 5, 6}, {3, 6, 7}
- **7no5s:** {2, 3, 5}, {3, 4, 6}, {4, 5, 7}, {2, 6, 7}
- **7no3s:** {2, 3, 7}, {2, 4, 5}, {3, 5, 6}, {4, 6, 7}
- **3 Note Clusters:** {2, 3, 4}, {3, 4, 5}, {4, 5, 6}, {5, 6, 7}

- **7s:** {2, 3, 5, 7}, {2, 4, 5, 7}, {2, 4, 6, 7}
- **Add9s:** {2, 3, 4, 6}, {3, 4, 5, 7}, {2, 5, 6, 7}
- **7sus4s:** {2, 3, 6, 7}, {2, 3, 5, 6}, {3, 4, 6, 7}
- **Add4s:** {2, 4, 5, 6}, {3, 5, 6, 7}, {2, 3, 4, 7}
- **4 Note Clusters:** {2, 3, 4, 5}, {3, 4, 5, 6}, {4, 5, 6, 7}

- **9ths:** {2, 3, 4, 5, 7}, {2, 4, 5, 6, 7}
- **6/9s:** {2, 3, 4, 6, 7}, {2, 3, 5, 6, 7}
- **5 Note Clusters:** {2, 3, 4, 5, 6}, {3, 4, 5, 6, 7}

- **11ths:** {2, 3, 4, 5, 6, 7}

- **13ths:** None

{2}

Single note on II.

Diatonic Interval Vector:

000

Subsets:

- **Silence:** {}
- **Scale Degrees:** {2}

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** {2}

- **4ths/5ths:** {2, 5}, {2, 6}
- **3rds/6ths:** {2, 4}, {2, 7}
- **2nds/7ths:** {R, 2}, {2, 3}

- **Triads:** {2, 4, 6}, {2, 5, 7}, {2, 4, 7}
- **Sus2s:** {R, 2, 5}, {2, 3, 6}, {2, 5, 6}
- **7no5s:** {R, 2, 4}, {2, 3, 5}, {2, 6, 7}
- **7no3s:** {R, 2, 6}, {2, 3, 7}, {2, 4, 5}
- **3 Note Clusters:** {R, 2, 3}, {2, 3, 4}, {R, 2, 7}

- **7s:** {R, 2, 4, 6}, {2, 3, 5, 7}, {2, 4, 5, 7}, {2, 4, 6, 7}
- **Add9s:** {R, 2, 3, 5}, {2, 3, 4, 6}, {2, 5, 6, 7}, {R, 2, 4, 7}
- **7sus4s:** {R, 2, 5, 6}, {2, 3, 6, 7}, {R, 2, 4, 5}, {2, 3, 5, 6}
- **Add4s:** {2, 4, 5, 6}, {R, 2, 5, 7}, {R, 2, 3, 6}, {2, 3, 4, 7}
- **4 Note Clusters:** {R, 2, 3, 4}, {2, 3, 4, 5}, {R, 2, 6, 7}, {R, 2, 3, 7}

- **9ths:** {R, 2, 3, 5, 7}, {R, 2, 3, 4, 6}, {2, 3, 4, 5, 7}, {2, 4, 5, 6, 7}, {R, 2, 4, 6, 7}
- **6/9s:** {R, 2, 3, 5, 6}, {2, 3, 4, 6, 7}, {R, 2, 4, 5, 6}, {2, 3, 5, 6, 7}, {R, 2, 4, 5, 7}
- **5 Note Clusters:** {R, 2, 3, 4, 5}, {2, 3, 4, 5, 6}, {R, 2, 5, 6, 7}, {R, 2, 3, 6, 7}, {R, 2, 3, 4, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 2, 3, 4, 5, 6}, {2, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {3}, {4}, {5}, {6}, {7}

- **4ths/5ths:** {R, 4}, {3, 6}, {4, 7}, {R, 5}, {3, 7}
- **3rds/6ths:** {R, 3}, {3, 5}, {4, 6}, {5, 7}, {R, 6}
- **2nds/7ths:** {3, 4}, {4, 5}, {5, 6}, {6, 7}, {R, 7}

- **Triads:** {R, 3, 5}, {3, 5, 7}, {R, 4, 6}, {R, 3, 6}
- **Sus2s:** {3, 4, 7}, {R, 4, 5}, {3, 6, 7}, {R, 4, 7}
- **7no5s:** {R, 3, 7}, {3, 4, 6}, {4, 5, 7}, {R, 5, 6}
- **7no3s:** {R, 5, 7}, {R, 3, 4}, {3, 5, 6}, {4, 6, 7}
- **3 Note Clusters:** {3, 4, 5}, {4, 5, 6}, {5, 6, 7}, {R, 6, 7}

- **7s:** {R, 3, 5, 7}, {R, 3, 4, 6}, {R, 3, 5, 6}
- **Add9s:** {3, 4, 5, 7}, {R, 4, 5, 6}, {R, 3, 6, 7}
- **7sus4s:** {R, 4, 5, 7}, {R, 3, 4, 7}, {3, 4, 6, 7}
- **Add4s:** {R, 3, 4, 5}, {3, 5, 6, 7}, {R, 4, 6, 7}
- **4 Note Clusters:** {3, 4, 5, 6}, {4, 5, 6, 7}, {R, 5, 6, 7}

- **9ths:** {R, 3, 4, 5, 6}, {R, 3, 5, 6, 7}
- **6/9s:** {R, 3, 4, 5, 7}, {R, 3, 4, 6, 7}
- **5 Note Clusters:** {3, 4, 5, 6, 7}, {R, 4, 5, 6, 7}

- **11ths:** {R, 3, 4, 5, 6, 7}

- **13ths:** None

{3}

Single note on III.

Diatonic Interval Vector:

000

Subsets:

- **Silence:** {}
- **Scale Degrees:** {3}
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None
- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None
- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None
- **11ths:** None
- **13ths:** None

Supersets:

- **Scale Degrees:** {3}
- **4ths/5ths:** {3, 6}, {3, 7}
- **3rds/6ths:** {R, 3}, {3, 5}
- **2nds/7ths:** {2, 3}, {3, 4}
- **Triads:** {R, 3, 5}, {3, 5, 7}, {R, 3, 6}
- **Sus2s:** {2, 3, 6}, {3, 4, 7}, {3, 6, 7}
- **7no5s:** {R, 3, 7}, {2, 3, 5}, {3, 4, 6}
- **7no3s:** {2, 3, 7}, {R, 3, 4}, {3, 5, 6}
- **3 Note Clusters:** {R, 2, 3}, {2, 3, 4}, {3, 4, 5}

- **7s:** {R, 3, 5, 7}, {2, 3, 5, 7}, {R, 3, 4, 6}, {R, 3, 5, 6}
- **Add9s:** {R, 2, 3, 5}, {2, 3, 4, 6}, {3, 4, 5, 7}, {R, 3, 6, 7}
- **7sus4s:** {2, 3, 6, 7}, {R, 3, 4, 7}, {2, 3, 5, 6}, {3, 4, 6, 7}
- **Add4s:** {R, 3, 4, 5}, {3, 5, 6, 7}, {R, 2, 3, 6}, {2, 3, 4, 7}
- **4 Note Clusters:** {R, 2, 3, 4}, {2, 3, 4, 5}, {3, 4, 5, 6}, {R, 2, 3, 7}

- **9ths:** {R, 2, 3, 5, 7}, {R, 2, 3, 4, 6}, {2, 3, 4, 5, 7}, {R, 3, 4, 5, 6}, {R, 3, 5, 6, 7}
- **6/9s:** {R, 2, 3, 5, 6}, {2, 3, 4, 6, 7}, {R, 3, 4, 5, 7}, {2, 3, 5, 6, 7}, {R, 3, 4, 6, 7}
- **5 Note Clusters:** {R, 2, 3, 4, 5}, {2, 3, 4, 5, 6}, {3, 4, 5, 6, 7}, {R, 2, 3, 6, 7}, {R, 2, 3, 4, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 2, 3, 4, 5, 6}, {2, 3, 4, 5, 6, 7}, {R, 3, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {2}, {4}, {5}, {6}, {7}

- **4ths/5ths:** {R, 4}, {2, 5}, {4, 7}, {R, 5}, {2, 6}
- **3rds/6ths:** {2, 4}, {4, 6}, {5, 7}, {R, 6}, {2, 7}
- **2nds/7ths:** {R, 2}, {4, 5}, {5, 6}, {6, 7}, {R, 7}

- **Triads:** {2, 4, 6}, {R, 4, 6}, {2, 5, 7}, {2, 4, 7}
- **Sus2s:** {R, 2, 5}, {R, 4, 5}, {2, 5, 6}, {R, 4, 7}
- **7no5s:** {R, 2, 4}, {4, 5, 7}, {R, 5, 6}, {2, 6, 7}
- **7no3s:** {R, 5, 7}, {R, 2, 6}, {2, 4, 5}, {4, 6, 7}
- **3 Note Clusters:** {4, 5, 6}, {5, 6, 7}, {R, 6, 7}, {R, 2, 7}

- **7s:** {R, 2, 4, 6}, {2, 4, 5, 7}, {2, 4, 6, 7}
- **Add9s:** {R, 4, 5, 6}, {2, 5, 6, 7}, {R, 2, 4, 7}
- **7sus4s:** {R, 4, 5, 7}, {R, 2, 5, 6}, {R, 2, 4, 5}
- **Add4s:** {2, 4, 5, 6}, {R, 4, 6, 7}, {R, 2, 5, 7}
- **4 Note Clusters:** {4, 5, 6, 7}, {R, 5, 6, 7}, {R, 2, 6, 7}

- **9ths:** {2, 4, 5, 6, 7}, {R, 2, 4, 6, 7}
- **6/9s:** {R, 2, 4, 5, 6}, {R, 2, 4, 5, 7}
- **5 Note Clusters:** {R, 4, 5, 6, 7}, {R, 2, 5, 6, 7}

- **11ths:** {R, 2, 4, 5, 6, 7}

- **13ths:** None

{4}

Single note on IV.

Diatonic Interval Vector:

000

Subsets:

- **Silence:** {}
- **Scale Degrees:** {4}

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** {4}

- **4ths/5ths:** {R, 4}, {4, 7}
- **3rds/6ths:** {2, 4}, {4, 6}
- **2nds/7ths:** {3, 4}, {4, 5}

- **Triads:** {2, 4, 6}, {R, 4, 6}, {2, 4, 7}
- **Sus2s:** {3, 4, 7}, {R, 4, 5}, {R, 4, 7}
- **7no5s:** {R, 2, 4}, {3, 4, 6}, {4, 5, 7}
- **7no3s:** {R, 3, 4}, {2, 4, 5}, {4, 6, 7}
- **3 Note Clusters:** {2, 3, 4}, {3, 4, 5}, {4, 5, 6}

- **7s:** {R, 2, 4, 6}, {R, 3, 4, 6}, {2, 4, 5, 7}, {2, 4, 6, 7}
- **Add9s:** {2, 3, 4, 6}, {3, 4, 5, 7}, {R, 4, 5, 6}, {R, 2, 4, 7}
- **7sus4s:** {R, 4, 5, 7}, {R, 3, 4, 7}, {R, 2, 4, 5}, {3, 4, 6, 7}
- **Add4s:** {R, 3, 4, 5}, {2, 4, 5, 6}, {R, 4, 6, 7}, {2, 3, 4, 7}
- **4 Note Clusters:** {R, 2, 3, 4}, {2, 3, 4, 5}, {3, 4, 5, 6}, {4, 5, 6, 7}

- **9ths:** {R, 2, 3, 4, 6}, {2, 3, 4, 5, 7}, {R, 3, 4, 5, 6}, {2, 4, 5, 6, 7}, {R, 2, 4, 6, 7}
- **6/9s:** {2, 3, 4, 6, 7}, {R, 3, 4, 5, 7}, {R, 2, 4, 5, 6}, {R, 3, 4, 6, 7}, {R, 2, 4, 5, 7}
- **5 Note Clusters:** {R, 2, 3, 4, 5}, {2, 3, 4, 5, 6}, {3, 4, 5, 6, 7}, {R, 4, 5, 6, 7}, {R, 2, 3, 4, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 2, 3, 4, 5, 6}, {2, 3, 4, 5, 6, 7}, {R, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {2}, {3}, {5}, {6}, {7}

- **4ths/5ths:** {2, 5}, {3, 6}, {R, 5}, {2, 6}, {3, 7}
- **3rds/6ths:** {R, 3}, {3, 5}, {5, 7}, {R, 6}, {2, 7}
- **2nds/7ths:** {R, 2}, {2, 3}, {5, 6}, {6, 7}, {R, 7}

- **Triads:** {R, 3, 5}, {3, 5, 7}, {2, 5, 7}, {R, 3, 6}
- **Sus2s:** {R, 2, 5}, {2, 3, 6}, {2, 5, 6}, {3, 6, 7}
- **7no5s:** {R, 3, 7}, {2, 3, 5}, {R, 5, 6}, {2, 6, 7}
- **7no3s:** {R, 5, 7}, {R, 2, 6}, {2, 3, 7}, {3, 5, 6}
- **3 Note Clusters:** {R, 2, 3}, {5, 6, 7}, {R, 6, 7}, {R, 2, 7}

- **7s:** {R, 3, 5, 7}, {2, 3, 5, 7}, {R, 3, 5, 6}
- **Add9s:** {R, 2, 3, 5}, {2, 5, 6, 7}, {R, 3, 6, 7}
- **7sus4s:** {R, 2, 5, 6}, {2, 3, 6, 7}, {2, 3, 5, 6}
- **Add4s:** {3, 5, 6, 7}, {R, 2, 5, 7}, {R, 2, 3, 6}
- **4 Note Clusters:** {R, 5, 6, 7}, {R, 2, 6, 7}, {R, 2, 3, 7}

- **9ths:** {R, 2, 3, 5, 7}, {R, 3, 5, 6, 7}
- **6/9s:** {R, 2, 3, 5, 6}, {2, 3, 5, 6, 7}
- **5 Note Clusters:** {R, 2, 5, 6, 7}, {R, 2, 3, 6, 7}

- **11ths:** {R, 2, 3, 5, 6, 7}

- **13ths:** None

{5}

Single note on V.

Diatonic Interval Vector:

000

Subsets:

- **Silence:** {}
- **Scale Degrees:** {5}
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** {5}

- **4ths/5ths:** {2, 5}, {R, 5}
- **3rds/6ths:** {3, 5}, {5, 7}
- **2nds/7ths:** {4, 5}, {5, 6}

- **Triads:** {R, 3, 5}, {3, 5, 7}, {2, 5, 7}
- **Sus2s:** {R, 2, 5}, {R, 4, 5}, {2, 5, 6}
- **7no5s:** {2, 3, 5}, {4, 5, 7}, {R, 5, 6}
- **7no3s:** {R, 5, 7}, {2, 4, 5}, {3, 5, 6}
- **3 Note Clusters:** {3, 4, 5}, {4, 5, 6}, {5, 6, 7}

- **7s:** {R, 3, 5, 7}, {2, 3, 5, 7}, {2, 4, 5, 7}, {R, 3, 5, 6}
- **Add9s:** {R, 2, 3, 5}, {3, 4, 5, 7}, {R, 4, 5, 6}, {2, 5, 6, 7}
- **7sus4s:** {R, 4, 5, 7}, {R, 2, 5, 6}, {R, 2, 4, 5}, {2, 3, 5, 6}
- **Add4s:** {R, 3, 4, 5}, {2, 4, 5, 6}, {3, 5, 6, 7}, {R, 2, 5, 7}
- **4 Note Clusters:** {2, 3, 4, 5}, {3, 4, 5, 6}, {4, 5, 6, 7}, {R, 5, 6, 7}

- **9ths:** {R, 2, 3, 5, 7}, {2, 3, 4, 5, 7}, {R, 3, 4, 5, 6}, {2, 4, 5, 6, 7}, {R, 3, 5, 6, 7}
- **6/9s:** {R, 2, 3, 5, 6}, {R, 3, 4, 5, 7}, {R, 2, 4, 5, 6}, {2, 3, 5, 6, 7}, {R, 2, 4, 5, 7}
- **5 Note Clusters:** {R, 2, 3, 4, 5}, {2, 3, 4, 5, 6}, {3, 4, 5, 6, 7}, {R, 4, 5, 6, 7}, {R, 2, 5, 6, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 2, 3, 4, 5, 6}, {2, 3, 4, 5, 6, 7}, {R, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {2}, {3}, {4}, {6}, {7}

- **4ths/5ths:** {R, 4}, {3, 6}, {4, 7}, {2, 6}, {3, 7}
- **3rds/6ths:** {R, 3}, {2, 4}, {4, 6}, {R, 6}, {2, 7}
- **2nds/7ths:** {R, 2}, {2, 3}, {3, 4}, {6, 7}, {R, 7}

- **Triads:** {2, 4, 6}, {R, 4, 6}, {R, 3, 6}, {2, 4, 7}
- **Sus2s:** {2, 3, 6}, {3, 4, 7}, {3, 6, 7}, {R, 4, 7}
- **7no5s:** {R, 3, 7}, {R, 2, 4}, {3, 4, 6}, {2, 6, 7}
- **7no3s:** {R, 2, 6}, {2, 3, 7}, {R, 3, 4}, {4, 6, 7}
- **3 Note Clusters:** {R, 2, 3}, {2, 3, 4}, {R, 6, 7}, {R, 2, 7}

- **7s:** {R, 2, 4, 6}, {R, 3, 4, 6}, {2, 4, 6, 7}
- **Add9s:** {2, 3, 4, 6}, {R, 3, 6, 7}, {R, 2, 4, 7}
- **7sus4s:** {2, 3, 6, 7}, {R, 3, 4, 7}, {3, 4, 6, 7}
- **Add4s:** {R, 4, 6, 7}, {R, 2, 3, 6}, {2, 3, 4, 7}
- **4 Note Clusters:** {R, 2, 3, 4}, {R, 2, 6, 7}, {R, 2, 3, 7}

- **9ths:** {R, 2, 3, 4, 6}, {R, 2, 4, 6, 7}
- **6/9s:** {2, 3, 4, 6, 7}, {R, 3, 4, 6, 7}
- **5 Note Clusters:** {R, 2, 3, 6, 7}, {R, 2, 3, 4, 7}

- **11ths:** {R, 2, 3, 4, 6, 7}

- **13ths:** None

{6}
Single note on VI.

Diatonic Interval Vector:
000

Subsets:
- **Silence:** {}
- **Scale Degrees:** {6}

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:
- **Scale Degrees:** {6}

- **4ths/5ths:** {3, 6}, {2, 6}
- **3rds/6ths:** {4, 6}, {R, 6}
- **2nds/7ths:** {5, 6}, {6, 7}

- **Triads:** {2, 4, 6}, {R, 4, 6}, {R, 3, 6}
- **Sus2s:** {2, 3, 6}, {2, 5, 6}, {3, 6, 7}
- **7no5s:** {3, 4, 6}, {R, 5, 6}, {2, 6, 7}
- **7no3s:** {R, 2, 6}, {3, 5, 6}, {4, 6, 7}
- **3 Note Clusters:** {4, 5, 6}, {5, 6, 7}, {R, 6, 7}

- **7s:** {R, 2, 4, 6}, {R, 3, 4, 6}, {R, 3, 5, 6}, {2, 4, 6, 7}
- **Add9s:** {2, 3, 4, 6}, {R, 4, 5, 6}, {2, 5, 6, 7}, {R, 3, 6, 7}
- **7sus4s:** {R, 2, 5, 6}, {2, 3, 6, 7}, {2, 3, 5, 6}, {3, 4, 6, 7}
- **Add4s:** {2, 4, 5, 6}, {3, 5, 6, 7}, {R, 4, 6, 7}, {R, 2, 3, 6}
- **4 Note Clusters:** {3, 4, 5, 6}, {4, 5, 6, 7}, {R, 5, 6, 7}, {R, 2, 6, 7}

- **9ths:** {R, 2, 3, 4, 6}, {R, 3, 4, 5, 6}, {2, 4, 5, 6, 7}, {R, 3, 5, 6, 7}, {R, 2, 4, 6, 7}
- **6/9s:** {R, 2, 3, 5, 6}, {2, 3, 4, 6, 7}, {R, 2, 4, 5, 6}, {2, 3, 5, 6, 7}, {R, 3, 4, 6, 7}
- **5 Note Clusters:** {2, 3, 4, 5, 6}, {3, 4, 5, 6, 7}, {R, 4, 5, 6, 7}, {R, 2, 5, 6, 7}, {R, 2, 3, 6, 7}

- **11ths:** {R, 2, 3, 4, 5, 6}, {2, 3, 4, 5, 6, 7}, {R, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {2}, {3}, {4}, {5}, {7}

- **4ths/5ths:** {R, 4}, {2, 5}, {4, 7}, {R, 5}, {3, 7}
- **3rds/6ths:** {R, 3}, {2, 4}, {3, 5}, {5, 7}, {2, 7}
- **2nds/7ths:** {R, 2}, {2, 3}, {3, 4}, {4, 5}, {R, 7}

- **Triads:** {R, 3, 5}, {3, 5, 7}, {2, 5, 7}, {2, 4, 7}
- **Sus2s:** {R, 2, 5}, {3, 4, 7}, {R, 4, 5}, {R, 4, 7}
- **7no5s:** {R, 3, 7}, {R, 2, 4}, {2, 3, 5}, {4, 5, 7}
- **7no3s:** {R, 5, 7}, {2, 3, 7}, {R, 3, 4}, {2, 4, 5}
- **3 Note Clusters:** {R, 2, 3}, {2, 3, 4}, {3, 4, 5}, {R, 2, 7}

- **7s:** {R, 3, 5, 7}, {2, 3, 5, 7}, {2, 4, 5, 7}
- **Add9s:** {R, 2, 3, 5}, {3, 4, 5, 7}, {R, 2, 4, 7}
- **7sus4s:** {R, 4, 5, 7}, {R, 3, 4, 7}, {R, 2, 4, 5}
- **Add4s:** {R, 3, 4, 5}, {R, 2, 5, 7}, {2, 3, 4, 7}
- **4 Note Clusters:** {R, 2, 3, 4}, {2, 3, 4, 5}, {R, 2, 3, 7}

- **9ths:** {R, 2, 3, 5, 7}, {2, 3, 4, 5, 7}
- **6/9s:** {R, 3, 4, 5, 7}, {R, 2, 4, 5, 7}
- **5 Note Clusters:** {R, 2, 3, 4, 5}, {R, 2, 3, 4, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}

- **13ths:** None

{7}

Single note on VII.

Diatonic Interval Vector:

000

Subsets:

- **Silence:** {}
- **Scale Degrees:** {7}
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** {7}
- **4ths/5ths:** {4, 7}, {3, 7}
- **3rds/6ths:** {5, 7}, {2, 7}
- **2nds/7ths:** {6, 7}, {R, 7}

- **Triads:** {3, 5, 7}, {2, 5, 7}, {2, 4, 7}
- **Sus2s:** {3, 4, 7}, {3, 6, 7}, {R, 4, 7}
- **7no5s:** {R, 3, 7}, {4, 5, 7}, {2, 6, 7}
- **7no3s:** {R, 5, 7}, {2, 3, 7}, {4, 6, 7}
- **3 Note Clusters:** {5, 6, 7}, {R, 6, 7}, {R, 2, 7}

- **7s:** {R, 3, 5, 7}, {2, 3, 5, 7}, {2, 4, 5, 7}, {2, 4, 6, 7}
- **Add9s:** {3, 4, 5, 7}, {2, 5, 6, 7}, {R, 3, 6, 7}, {R, 2, 4, 7}
- **7sus4s:** {R, 4, 5, 7}, {2, 3, 6, 7}, {R, 3, 4, 7}, {3, 4, 6, 7}
- **Add4s:** {3, 5, 6, 7}, {R, 4, 6, 7}, {R, 2, 5, 7}, {2, 3, 4, 7}
- **4 Note Clusters:** {4, 5, 6, 7}, {R, 5, 6, 7}, {R, 2, 6, 7}, {R, 2, 3, 7}

- **9ths:** {R, 2, 3, 5, 7}, {2, 3, 4, 5, 7}, {2, 4, 5, 6, 7}, {R, 3, 5, 6, 7}, {R, 2, 4, 6, 7}
- **6/9s:** {2, 3, 4, 6, 7}, {R, 3, 4, 5, 7}, {2, 3, 5, 6, 7}, {R, 3, 4, 6, 7}, {R, 2, 4, 5, 7}
- **5 Note Clusters:** {3, 4, 5, 6, 7}, {R, 4, 5, 6, 7}, {R, 2, 5, 6, 7}, {R, 2, 3, 6, 7}, {R, 2, 3, 4, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {2, 3, 4, 5, 6, 7}, {R, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {2}, {3}, {4}, {5}, {6}

- **4ths/5ths:** {R, 4}, {2, 5}, {3, 6}, {R, 5}, {2, 6}
- **3rds/6ths:** {R, 3}, {2, 4}, {3, 5}, {4, 6}, {R, 6}
- **2nds/7ths:** {R, 2}, {2, 3}, {3, 4}, {4, 5}, {5, 6}

- **Triads:** {R, 3, 5}, {2, 4, 6}, {R, 4, 6}, {R, 3, 6}
- **Sus2s:** {R, 2, 5}, {2, 3, 6}, {R, 4, 5}, {2, 5, 6}
- **7no5s:** {R, 2, 4}, {2, 3, 5}, {3, 4, 6}, {R, 5, 6}
- **7no3s:** {R, 2, 6}, {R, 3, 4}, {2, 4, 5}, {3, 5, 6}
- **3 Note Clusters:** {R, 2, 3}, {2, 3, 4}, {3, 4, 5}, {4, 5, 6}

- **7s:** {R, 2, 4, 6}, {R, 3, 4, 6}, {R, 3, 5, 6}
- **Add9s:** {R, 2, 3, 5}, {2, 3, 4, 6}, {R, 4, 5, 6}
- **7sus4s:** {R, 2, 5, 6}, {R, 2, 4, 5}, {2, 3, 5, 6}
- **Add4s:** {R, 3, 4, 5}, {2, 4, 5, 6}, {R, 2, 3, 6}
- **4 Note Clusters:** {R, 2, 3, 4}, {2, 3, 4, 5}, {3, 4, 5, 6}

- **9ths:** {R, 2, 3, 4, 6}, {R, 3, 4, 5, 6}
- **6/9s:** {R, 2, 3, 5, 6}, {R, 2, 4, 5, 6}
- **5 Note Clusters:** {R, 2, 3, 4, 5}, {2, 3, 4, 5, 6}

- **11ths:** {R, 2, 3, 4, 5, 6}

- **13ths:** None

Sets of 2 Notes

- 4ths/5ths
- 3rds/6ths
- 2nds/7ths

4ths on Each Degree

- **On I:** {R, 4}
- **On II:** {2, 5}
- **On III:** {3, 6}
- **On IV:** {4, 7}
- **On V:** {R, 5}
- **On VI:** {2, 6}
- **On VII:** {3, 7}

{R, 4}

Fourth built on I.

Diatonic Interval Vector:

001

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {4}
- **4ths/5ths:** {R, 4}
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** {R, 4}
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** {R, 4, 6}
- **Sus2s:** {R, 4, 5}, {R, 4, 7}
- **7no5s:** {R, 2, 4}
- **7no3s:** {R, 3, 4}
- **3 Note Clusters:** None

- **7s:** {R, 2, 4, 6}, {R, 3, 4, 6}
- **Add9s:** {R, 4, 5, 6}, {R, 2, 4, 7}
- **7sus4s:** {R, 4, 5, 7}, {R, 3, 4, 7}, {R, 2, 4, 5}
- **Add4s:** {R, 3, 4, 5}, {R, 4, 6, 7}
- **4 Note Clusters:** {R, 2, 3, 4}

- **9ths:** {R, 2, 3, 4, 6}, {R, 3, 4, 5, 6}, {R, 2, 4, 6, 7}
- **6/9s:** {R, 3, 4, 5, 7}, {R, 2, 4, 5, 6}, {R, 3, 4, 6, 7}, {R, 2, 4, 5, 7}
- **5 Note Clusters:** {R, 2, 3, 4, 5}, {R, 4, 5, 6, 7}, {R, 2, 3, 4, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 2, 3, 4, 5, 6}, {R, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {2}, {3}, {5}, {6}, {7}

- **4ths/5ths:** {2, 5}, {3, 6}, {2, 6}, {3, 7}
- **3rds/6ths:** {3, 5}, {5, 7}, {2, 7}
- **2nds/7ths:** {2, 3}, {5, 6}, {6, 7}

- **Triads:** {3, 5, 7}, {2, 5, 7}
- **Sus2s:** {2, 3, 6}, {2, 5, 6}, {3, 6, 7}
- **7no5s:** {2, 3, 5}, {2, 6, 7}
- **7no3s:** {2, 3, 7}, {3, 5, 6}
- **3 Note Clusters:** {5, 6, 7}

- **7s:** {2, 3, 5, 7}
- **Add9s:** {2, 5, 6, 7}
- **7sus4s:** {2, 3, 6, 7}, {2, 3, 5, 6}
- **Add4s:** {3, 5, 6, 7}
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** {2, 3, 5, 6, 7}
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{2, 5}

Fourth built on II.

Diatonic Interval Vector:

001

Subsets:

- **Silence:** {}
- **Scale Degrees:** {2}, {5}
- **4ths/5ths:** {2, 5}
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** {2, 5}
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** {2, 5, 7}
- **Sus2s:** {R, 2, 5}, {2, 5, 6}
- **7no5s:** {2, 3, 5}
- **7no3s:** {2, 4, 5}
- **3 Note Clusters:** None

- **7s:** {2, 3, 5, 7}, {2, 4, 5, 7}
- **Add9s:** {R, 2, 3, 5}, {2, 5, 6, 7}
- **7sus4s:** {R, 2, 5, 6}, {R, 2, 4, 5}, {2, 3, 5, 6}
- **Add4s:** {2, 4, 5, 6}, {R, 2, 5, 7}
- **4 Note Clusters:** {2, 3, 4, 5}

- **9ths:** {R, 2, 3, 5, 7}, {2, 3, 4, 5, 7}, {2, 4, 5, 6, 7}
- **6/9s:** {R, 2, 3, 5, 6}, {R, 2, 4, 5, 6}, {2, 3, 5, 6, 7}, {R, 2, 4, 5, 7}
- **5 Note Clusters:** {R, 2, 3, 4, 5}, {2, 3, 4, 5, 6}, {R, 2, 5, 6, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 2, 3, 4, 5, 6}, {2, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {3}, {4}, {6}, {7}

- **4ths/5ths:** {R, 4}, {3, 6}, {4, 7}, {3, 7}
- **3rds/6ths:** {R, 3}, {4, 6}, {R, 6}
- **2nds/7ths:** {3, 4}, {6, 7}, {R, 7}

- **Triads:** {R, 4, 6}, {R, 3, 6}
- **Sus2s:** {3, 4, 7}, {3, 6, 7}, {R, 4, 7}
- **7no5s:** {R, 3, 7}, {3, 4, 6}
- **7no3s:** {R, 3, 4}, {4, 6, 7}
- **3 Note Clusters:** {R, 6, 7}

- **7s:** {R, 3, 4, 6}
- **Add9s:** {R, 3, 6, 7}
- **7sus4s:** {R, 3, 4, 7}, {3, 4, 6, 7}
- **Add4s:** {R, 4, 6, 7}
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** {R, 3, 4, 6, 7}
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{3, 6}

Fourth built on III.

Diatonic Interval Vector:

001

Subsets:

- **Silence:** {}
- **Scale Degrees:** {3}, {6}

- **4ths/5ths:** {3, 6}
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** {3, 6}
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** {R, 3, 6}
- **Sus2s:** {2, 3, 6}, {3, 6, 7}
- **7no5s:** {3, 4, 6}
- **7no3s:** {3, 5, 6}
- **3 Note Clusters:** None

- **7s:** {R, 3, 4, 6}, {R, 3, 5, 6}
- **Add9s:** {2, 3, 4, 6}, {R, 3, 6, 7}
- **7sus4s:** {2, 3, 6, 7}, {2, 3, 5, 6}, {3, 4, 6, 7}
- **Add4s:** {3, 5, 6, 7}, {R, 2, 3, 6}
- **4 Note Clusters:** {3, 4, 5, 6}

- **9ths:** {R, 2, 3, 4, 6}, {R, 3, 4, 5, 6}, {R, 3, 5, 6, 7}
- **6/9s:** {R, 2, 3, 5, 6}, {2, 3, 4, 6, 7}, {2, 3, 5, 6, 7}, {R, 3, 4, 6, 7}
- **5 Note Clusters:** {2, 3, 4, 5, 6}, {3, 4, 5, 6, 7}, {R, 2, 3, 6, 7}

- **11ths:** {R, 2, 3, 4, 5, 6}, {2, 3, 4, 5, 6, 7}, {R, 3, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {2}, {4}, {5}, {7}

- **4ths/5ths:** {R, 4}, {2, 5}, {4, 7}, {R, 5}
- **3rds/6ths:** {2, 4}, {5, 7}, {2, 7}
- **2nds/7ths:** {R, 2}, {4, 5}, {R, 7}

- **Triads:** {2, 5, 7}, {2, 4, 7}
- **Sus2s:** {R, 2, 5}, {R, 4, 5}, {R, 4, 7}
- **7no5s:** {R, 2, 4}, {4, 5, 7}
- **7no3s:** {R, 5, 7}, {2, 4, 5}
- **3 Note Clusters:** {R, 2, 7}

- **7s:** {2, 4, 5, 7}
- **Add9s:** {R, 2, 4, 7}
- **7sus4s:** {R, 4, 5, 7}, {R, 2, 4, 5}
- **Add4s:** {R, 2, 5, 7}
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** {R, 2, 4, 5, 7}
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{4, 7}

Fourth built on IV.

Diatonic Interval Vector:

001

Subsets:

- **Silence:** {}
- **Scale Degrees:** {4}, {7}
- **4ths/5ths:** {4, 7}
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** {4, 7}
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** {2, 4, 7}
- **Sus2s:** {3, 4, 7}, {R, 4, 7}
- **7no5s:** {4, 5, 7}
- **7no3s:** {4, 6, 7}
- **3 Note Clusters:** None

- **7s:** {2, 4, 5, 7}, {2, 4, 6, 7}
- **Add9s:** {3, 4, 5, 7}, {R, 2, 4, 7}
- **7sus4s:** {R, 4, 5, 7}, {R, 3, 4, 7}, {3, 4, 6, 7}
- **Add4s:** {R, 4, 6, 7}, {2, 3, 4, 7}
- **4 Note Clusters:** {4, 5, 6, 7}

- **9ths:** {2, 3, 4, 5, 7}, {2, 4, 5, 6, 7}, {R, 2, 4, 6, 7}
- **6/9s:** {2, 3, 4, 6, 7}, {R, 3, 4, 5, 7}, {R, 3, 4, 6, 7}, {R, 2, 4, 5, 7}
- **5 Note Clusters:** {3, 4, 5, 6, 7}, {R, 4, 5, 6, 7}, {R, 2, 3, 4, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {2, 3, 4, 5, 6, 7}, {R, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {2}, {3}, {5}, {6}

- **4ths/5ths:** {2, 5}, {3, 6}, {R, 5}, {2, 6}
- **3rds/6ths:** {R, 3}, {3, 5}, {R, 6}
- **2nds/7ths:** {R, 2}, {2, 3}, {5, 6}

- **Triads:** {R, 3, 5}, {R, 3, 6}
- **Sus2s:** {R, 2, 5}, {2, 3, 6}, {2, 5, 6}
- **7no5s:** {2, 3, 5}, {R, 5, 6}
- **7no3s:** {R, 2, 6}, {3, 5, 6}
- **3 Note Clusters:** {R, 2, 3}

- **7s:** {R, 3, 5, 6}
- **Add9s:** {R, 2, 3, 5}
- **7sus4s:** {R, 2, 5, 6}, {2, 3, 5, 6}
- **Add4s:** {R, 2, 3, 6}
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** {R, 2, 3, 5, 6}
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{R, 5}

Fourth built on V.

Diatonic Interval Vector:

001

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {5}
- **4ths/5ths:** {R, 5}
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** {R, 5}
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** {R, 3, 5}
- **Sus2s:** {R, 2, 5}, {R, 4, 5}
- **7no5s:** {R, 5, 6}
- **7no3s:** {R, 5, 7}
- **3 Note Clusters:** None

- **7s:** {R, 3, 5, 7}, {R, 3, 5, 6}
- **Add9s:** {R, 2, 3, 5}, {R, 4, 5, 6}
- **7sus4s:** {R, 4, 5, 7}, {R, 2, 5, 6}, {R, 2, 4, 5}
- **Add4s:** {R, 3, 4, 5}, {R, 2, 5, 7}
- **4 Note Clusters:** {R, 5, 6, 7}

- **9ths:** {R, 2, 3, 5, 7}, {R, 3, 4, 5, 6}, {R, 3, 5, 6, 7}
- **6/9s:** {R, 2, 3, 5, 6}, {R, 3, 4, 5, 7}, {R, 2, 4, 5, 6}, {R, 2, 4, 5, 7}
- **5 Note Clusters:** {R, 2, 3, 4, 5}, {R, 4, 5, 6, 7}, {R, 2, 5, 6, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 2, 3, 4, 5, 6}, {R, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {2}, {3}, {4}, {6}, {7}

- **4ths/5ths:** {3, 6}, {4, 7}, {2, 6}, {3, 7}
- **3rds/6ths:** {2, 4}, {4, 6}, {2, 7}
- **2nds/7ths:** {2, 3}, {3, 4}, {6, 7}

- **Triads:** {2, 4, 6}, {2, 4, 7}
- **Sus2s:** {2, 3, 6}, {3, 4, 7}, {3, 6, 7}
- **7no5s:** {3, 4, 6}, {2, 6, 7}
- **7no3s:** {2, 3, 7}, {4, 6, 7}
- **3 Note Clusters:** {2, 3, 4}

- **7s:** {2, 4, 6, 7}
- **Add9s:** {2, 3, 4, 6}
- **7sus4s:** {2, 3, 6, 7}, {3, 4, 6, 7}
- **Add4s:** {2, 3, 4, 7}
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** {2, 3, 4, 6, 7}
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{2, 6}

Fourth built on VI.

Diatonic Interval Vector:

001

Subsets:

- **Silence:** {}
- **Scale Degrees:** {2}, {6}
- **4ths/5ths:** {2, 6}
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** {2, 6}
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** {2, 4, 6}
- **Sus2s:** {2, 3, 6}, {2, 5, 6}
- **7no5s:** {2, 6, 7}
- **7no3s:** {R, 2, 6}
- **3 Note Clusters:** None

- **7s:** {R, 2, 4, 6}, {2, 4, 6, 7}
- **Add9s:** {2, 3, 4, 6}, {2, 5, 6, 7}
- **7sus4s:** {R, 2, 5, 6}, {2, 3, 6, 7}, {2, 3, 5, 6}
- **Add4s:** {2, 4, 5, 6}, {R, 2, 3, 6}
- **4 Note Clusters:** {R, 2, 6, 7}

- **9ths:** {R, 2, 3, 4, 6}, {2, 4, 5, 6, 7}, {R, 2, 4, 6, 7}
- **6/9s:** {R, 2, 3, 5, 6}, {2, 3, 4, 6, 7}, {R, 2, 4, 5, 6}, {2, 3, 5, 6, 7}
- **5 Note Clusters:** {2, 3, 4, 5, 6}, {R, 2, 5, 6, 7}, {R, 2, 3, 6, 7}

- **11ths:** {R, 2, 3, 4, 5, 6}, {2, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {3}, {4}, {5}, {7}

- **4ths/5ths:** {R, 4}, {4, 7}, {R, 5}, {3, 7}
- **3rds/6ths:** {R, 3}, {3, 5}, {5, 7}
- **2nds/7ths:** {3, 4}, {4, 5}, {R, 7}

- **Triads:** {R, 3, 5}, {3, 5, 7}
- **Sus2s:** {3, 4, 7}, {R, 4, 5}, {R, 4, 7}
- **7no5s:** {R, 3, 7}, {4, 5, 7}
- **7no3s:** {R, 5, 7}, {R, 3, 4}
- **3 Note Clusters:** {3, 4, 5}

- **7s:** {R, 3, 5, 7}
- **Add9s:** {3, 4, 5, 7}
- **7sus4s:** {R, 4, 5, 7}, {R, 3, 4, 7}
- **Add4s:** {R, 3, 4, 5}
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** {R, 3, 4, 5, 7}
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{3, 7}
Fourth built on VII.

Diatonic Interval Vector:
001

Subsets:

- **Silence:** {}
- **Scale Degrees:** {3}, {7}

- **4ths/5ths:** {3, 7}
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** {3, 7}
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** {3, 5, 7}
- **Sus2s:** {3, 4, 7}, {3, 6, 7}
- **7no5s:** {R, 3, 7}
- **7no3s:** {2, 3, 7}
- **3 Note Clusters:** None

- **7s:** {R, 3, 5, 7}, {2, 3, 5, 7}
- **Add9s:** {3, 4, 5, 7}, {R, 3, 6, 7}
- **7sus4s:** {2, 3, 6, 7}, {R, 3, 4, 7}, {3, 4, 6, 7}
- **Add4s:** {3, 5, 6, 7}, {2, 3, 4, 7}
- **4 Note Clusters:** {R, 2, 3, 7}

- **9ths:** {R, 2, 3, 5, 7}, {2, 3, 4, 5, 7}, {R, 3, 5, 6, 7}
- **6/9s:** {2, 3, 4, 6, 7}, {R, 3, 4, 5, 7}, {2, 3, 5, 6, 7}, {R, 3, 4, 6, 7}
- **5 Note Clusters:** {3, 4, 5, 6, 7}, {R, 2, 3, 6, 7}, {R, 2, 3, 4, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {2, 3, 4, 5, 6, 7}, {R, 3, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {2}, {4}, {5}, {6}

- **4ths/5ths:** {R, 4}, {2, 5}, {R, 5}, {2, 6}
- **3rds/6ths:** {2, 4}, {4, 6}, {R, 6}
- **2nds/7ths:** {R, 2}, {4, 5}, {5, 6}

- **Triads:** {2, 4, 6}, {R, 4, 6}
- **Sus2s:** {R, 2, 5}, {R, 4, 5}, {2, 5, 6}
- **7no5s:** {R, 2, 4}, {R, 5, 6}
- **7no3s:** {R, 2, 6}, {2, 4, 5}
- **3 Note Clusters:** {4, 5, 6}

- **7s:** {R, 2, 4, 6}
- **Add9s:** {R, 4, 5, 6}
- **7sus4s:** {R, 2, 5, 6}, {R, 2, 4, 5}
- **Add4s:** {2, 4, 5, 6}
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** {R, 2, 4, 5, 6}
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

3rds on Each Degree

- **On I:** {R, 3}
- **On II:** {2, 4}
- **On III:** {3, 5}
- **On IV:** {4, 6}
- **On V:** {5, 7}
- **On VI:** {R, 6}
- **On VII:** {2, 7}

{R, 3}

Third built on I.

Diatonic Interval Vector:

010

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {3}
- **4ths/5ths:** None
- **3rds/6ths:** {R, 3}
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** {R, 3}
- **2nds/7ths:** None

- **Triads:** {R, 3, 5}, {R, 3, 6}
- **Sus2s:** None
- **7no5s:** {R, 3, 7}
- **7no3s:** {R, 3, 4}
- **3 Note Clusters:** {R, 2, 3}

- **7s:** {R, 3, 5, 7}, {R, 3, 4, 6}, {R, 3, 5, 6}
- **Add9s:** {R, 2, 3, 5}, {R, 3, 6, 7}
- **7sus4s:** {R, 3, 4, 7}
- **Add4s:** {R, 3, 4, 5}, {R, 2, 3, 6}
- **4 Note Clusters:** {R, 2, 3, 4}, {R, 2, 3, 7}

- **9ths:** {R, 2, 3, 5, 7}, {R, 2, 3, 4, 6}, {R, 3, 4, 5, 6}, {R, 3, 5, 6, 7}
- **6/9s:** {R, 2, 3, 5, 6}, {R, 3, 4, 5, 7}, {R, 3, 4, 6, 7}
- **5 Note Clusters:** {R, 2, 3, 4, 5}, {R, 2, 3, 6, 7}, {R, 2, 3, 4, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 2, 3, 4, 5, 6}, {R, 3, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {2}, {4}, {5}, {6}, {7}

- **4ths/5ths:** {2, 5}, {4, 7}, {2, 6}
- **3rds/6ths:** {2, 4}, {4, 6}, {5, 7}, {2, 7}
- **2nds/7ths:** {4, 5}, {5, 6}, {6, 7}

- **Triads:** {2, 4, 6}, {2, 5, 7}, {2, 4, 7}
- **Sus2s:** {2, 5, 6}
- **7no5s:** {4, 5, 7}, {2, 6, 7}
- **7no3s:** {2, 4, 5}, {4, 6, 7}
- **3 Note Clusters:** {4, 5, 6}, {5, 6, 7}

- **7s:** {2, 4, 5, 7}, {2, 4, 6, 7}
- **Add9s:** {2, 5, 6, 7}
- **7sus4s:** None
- **Add4s:** {2, 4, 5, 6}
- **4 Note Clusters:** {4, 5, 6, 7}

- **9ths:** {2, 4, 5, 6, 7}
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{2, 4}

Third built on II.

Diatonic Interval Vector:

010

Subsets:

- **Silence:** {}
- **Scale Degrees:** {2}, {4}
- **4ths/5ths:** None
- **3rds/6ths:** {2, 4}
- **2nds/7ths:** None
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None
- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None
- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None
- **11ths:** None
- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** {2, 4}
- **2nds/7ths:** None
- **Triads:** {2, 4, 6}, {2, 4, 7}
- **Sus2s:** None
- **7no5s:** {R, 2, 4}
- **7no3s:** {2, 4, 5}
- **3 Note Clusters:** {2, 3, 4}

- **7s:** {R, 2, 4, 6}, {2, 4, 5, 7}, {2, 4, 6, 7}
- **Add9s:** {2, 3, 4, 6}, {R, 2, 4, 7}
- **7sus4s:** {R, 2, 4, 5}
- **Add4s:** {2, 4, 5, 6}, {2, 3, 4, 7}
- **4 Note Clusters:** {R, 2, 3, 4}, {2, 3, 4, 5}

- **9ths:** {R, 2, 3, 4, 6}, {2, 3, 4, 5, 7}, {2, 4, 5, 6, 7}, {R, 2, 4, 6, 7}
- **6/9s:** {2, 3, 4, 6, 7}, {R, 2, 4, 5, 6}, {R, 2, 4, 5, 7}
- **5 Note Clusters:** {R, 2, 3, 4, 5}, {2, 3, 4, 5, 6}, {R, 2, 3, 4, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 2, 3, 4, 5, 6}, {2, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {3}, {5}, {6}, {7}

- **4ths/5ths:** {3, 6}, {R, 5}, {3, 7}
- **3rds/6ths:** {R, 3}, {3, 5}, {5, 7}, {R, 6}
- **2nds/7ths:** {5, 6}, {6, 7}, {R, 7}

- **Triads:** {R, 3, 5}, {3, 5, 7}, {R, 3, 6}
- **Sus2s:** {3, 6, 7}
- **7no5s:** {R, 3, 7}, {R, 5, 6}
- **7no3s:** {R, 5, 7}, {3, 5, 6}
- **3 Note Clusters:** {5, 6, 7}, {R, 6, 7}

- **7s:** {R, 3, 5, 7}, {R, 3, 5, 6}
- **Add9s:** {R, 3, 6, 7}
- **7sus4s:** None
- **Add4s:** {3, 5, 6, 7}
- **4 Note Clusters:** {R, 5, 6, 7}

- **9ths:** {R, 3, 5, 6, 7}
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{3, 5}

Third built on III.

Diatonic Interval Vector:

010

Subsets:

- **Silence:** {}
- **Scale Degrees:** {3}, {5}
- **4ths/5ths:** None
- **3rds/6ths:** {3, 5}
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** {3, 5}
- **2nds/7ths:** None

- **Triads:** {R, 3, 5}, {3, 5, 7}
- **Sus2s:** None
- **7no5s:** {2, 3, 5}
- **7no3s:** {3, 5, 6}
- **3 Note Clusters:** {3, 4, 5}

- **7s:** {R, 3, 5, 7}, {2, 3, 5, 7}, {R, 3, 5, 6}
- **Add9s:** {R, 2, 3, 5}, {3, 4, 5, 7}
- **7sus4s:** {2, 3, 5, 6}
- **Add4s:** {R, 3, 4, 5}, {3, 5, 6, 7}
- **4 Note Clusters:** {2, 3, 4, 5}, {3, 4, 5, 6}

- **9ths:** {R, 2, 3, 5, 7}, {2, 3, 4, 5, 7}, {R, 3, 4, 5, 6}, {R, 3, 5, 6, 7}
- **6/9s:** {R, 2, 3, 5, 6}, {R, 3, 4, 5, 7}, {2, 3, 5, 6, 7}
- **5 Note Clusters:** {R, 2, 3, 4, 5}, {2, 3, 4, 5, 6}, {3, 4, 5, 6, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 2, 3, 4, 5, 6}, {2, 3, 4, 5, 6, 7}, {R, 3, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {2}, {4}, {6}, {7}

- **4ths/5ths:** {R, 4}, {4, 7}, {2, 6}
- **3rds/6ths:** {2, 4}, {4, 6}, {R, 6}, {2, 7}
- **2nds/7ths:** {R, 2}, {6, 7}, {R, 7}

- **Triads:** {2, 4, 6}, {R, 4, 6}, {2, 4, 7}
- **Sus2s:** {R, 4, 7}
- **7no5s:** {R, 2, 4}, {2, 6, 7}
- **7no3s:** {R, 2, 6}, {4, 6, 7}
- **3 Note Clusters:** {R, 6, 7}, {R, 2, 7}

- **7s:** {R, 2, 4, 6}, {2, 4, 6, 7}
- **Add9s:** {R, 2, 4, 7}
- **7sus4s:** None
- **Add4s:** {R, 4, 6, 7}
- **4 Note Clusters:** {R, 2, 6, 7}

- **9ths:** {R, 2, 4, 6, 7}
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{4, 6}

Third built on IV.

Diatonic Interval Vector:

010

Subsets:

- **Silence:** {}
- **Scale Degrees:** {4}, {6}
- **4ths/5ths:** None
- **3rds/6ths:** {4, 6}
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** {4, 6}
- **2nds/7ths:** None

- **Triads:** {2, 4, 6}, {R, 4, 6}
- **Sus2s:** None
- **7no5s:** {3, 4, 6}
- **7no3s:** {4, 6, 7}
- **3 Note Clusters:** {4, 5, 6}

- **7s:** {R, 2, 4, 6}, {R, 3, 4, 6}, {2, 4, 6, 7}
- **Add9s:** {2, 3, 4, 6}, {R, 4, 5, 6}
- **7sus4s:** {3, 4, 6, 7}
- **Add4s:** {2, 4, 5, 6}, {R, 4, 6, 7}
- **4 Note Clusters:** {3, 4, 5, 6}, {4, 5, 6, 7}

- **9ths:** {R, 2, 3, 4, 6}, {R, 3, 4, 5, 6}, {2, 4, 5, 6, 7}, {R, 2, 4, 6, 7}
- **6/9s:** {2, 3, 4, 6, 7}, {R, 2, 4, 5, 6}, {R, 3, 4, 6, 7}
- **5 Note Clusters:** {2, 3, 4, 5, 6}, {3, 4, 5, 6, 7}, {R, 4, 5, 6, 7}

- **11ths:** {R, 2, 3, 4, 5, 6}, {2, 3, 4, 5, 6, 7}, {R, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {2}, {3}, {5}, {7}

- **4ths/5ths:** {2, 5}, {R, 5}, {3, 7}
- **3rds/6ths:** {R, 3}, {3, 5}, {5, 7}, {2, 7}
- **2nds/7ths:** {R, 2}, {2, 3}, {R, 7}

- **Triads:** {R, 3, 5}, {3, 5, 7}, {2, 5, 7}
- **Sus2s:** {R, 2, 5}
- **7no5s:** {R, 3, 7}, {2, 3, 5}
- **7no3s:** {R, 5, 7}, {2, 3, 7}
- **3 Note Clusters:** {R, 2, 3}, {R, 2, 7}

- **7s:** {R, 3, 5, 7}, {2, 3, 5, 7}
- **Add9s:** {R, 2, 3, 5}
- **7sus4s:** None
- **Add4s:** {R, 2, 5, 7}
- **4 Note Clusters:** {R, 2, 3, 7}

- **9ths:** {R, 2, 3, 5, 7}
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{5, 7}

Third built on V.

Diatonic Interval Vector:

010

Subsets:

- **Silence:** {}
- **Scale Degrees:** {5}, {7}
- **4ths/5ths:** None
- **3rds/6ths:** {5, 7}
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** {5, 7}
- **2nds/7ths:** None

- **Triads:** {3, 5, 7}, {2, 5, 7}
- **Sus2s:** None
- **7no5s:** {4, 5, 7}
- **7no3s:** {R, 5, 7}
- **3 Note Clusters:** {5, 6, 7}

- **7s:** {R, 3, 5, 7}, {2, 3, 5, 7}, {2, 4, 5, 7}
- **Add9s:** {3, 4, 5, 7}, {2, 5, 6, 7}
- **7sus4s:** {R, 4, 5, 7}
- **Add4s:** {3, 5, 6, 7}, {R, 2, 5, 7}
- **4 Note Clusters:** {4, 5, 6, 7}, {R, 5, 6, 7}

- **9ths:** {R, 2, 3, 5, 7}, {2, 3, 4, 5, 7}, {2, 4, 5, 6, 7}, {R, 3, 5, 6, 7}
- **6/9s:** {R, 3, 4, 5, 7}, {2, 3, 5, 6, 7}, {R, 2, 4, 5, 7}
- **5 Note Clusters:** {3, 4, 5, 6, 7}, {R, 4, 5, 6, 7}, {R, 2, 5, 6, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {2, 3, 4, 5, 6, 7}, {R, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {2}, {3}, {4}, {6}

- **4ths/5ths:** {R, 4}, {3, 6}, {2, 6}
- **3rds/6ths:** {R, 3}, {2, 4}, {4, 6}, {R, 6}
- **2nds/7ths:** {R, 2}, {2, 3}, {3, 4}

- **Triads:** {2, 4, 6}, {R, 4, 6}, {R, 3, 6}
- **Sus2s:** {2, 3, 6}
- **7no5s:** {R, 2, 4}, {3, 4, 6}
- **7no3s:** {R, 2, 6}, {R, 3, 4}
- **3 Note Clusters:** {R, 2, 3}, {2, 3, 4}

- **7s:** {R, 2, 4, 6}, {R, 3, 4, 6}
- **Add9s:** {2, 3, 4, 6}
- **7sus4s:** None
- **Add4s:** {R, 2, 3, 6}
- **4 Note Clusters:** {R, 2, 3, 4}

- **9ths:** {R, 2, 3, 4, 6}
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{R, 6}

Third built on VI.

Diatonic Interval Vector:

010

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {6}
- **4ths/5ths:** None
- **3rds/6ths:** {R, 6}
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** {R, 6}
- **2nds/7ths:** None

- **Triads:** {R, 4, 6}, {R, 3, 6}
- **Sus2s:** None
- **7no5s:** {R, 5, 6}
- **7no3s:** {R, 2, 6}
- **3 Note Clusters:** {R, 6, 7}

- **7s:** {R, 2, 4, 6}, {R, 3, 4, 6}, {R, 3, 5, 6}
- **Add9s:** {R, 4, 5, 6}, {R, 3, 6, 7}
- **7sus4s:** {R, 2, 5, 6}
- **Add4s:** {R, 4, 6, 7}, {R, 2, 3, 6}
- **4 Note Clusters:** {R, 5, 6, 7}, {R, 2, 6, 7}

- **9ths:** {R, 2, 3, 4, 6}, {R, 3, 4, 5, 6}, {R, 3, 5, 6, 7}, {R, 2, 4, 6, 7}
- **6/9s:** {R, 2, 3, 5, 6}, {R, 2, 4, 5, 6}, {R, 3, 4, 6, 7}
- **5 Note Clusters:** {R, 4, 5, 6, 7}, {R, 2, 5, 6, 7}, {R, 2, 3, 6, 7}

- **11ths:** {R, 2, 3, 4, 5, 6}, {R, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {2}, {3}, {4}, {5}, {7}

- **4ths/5ths:** {2, 5}, {4, 7}, {3, 7}
- **3rds/6ths:** {2, 4}, {3, 5}, {5, 7}, {2, 7}
- **2nds/7ths:** {2, 3}, {3, 4}, {4, 5}

- **Triads:** {3, 5, 7}, {2, 5, 7}, {2, 4, 7}
- **Sus2s:** {3, 4, 7}
- **7no5s:** {2, 3, 5}, {4, 5, 7}
- **7no3s:** {2, 3, 7}, {2, 4, 5}
- **3 Note Clusters:** {2, 3, 4}, {3, 4, 5}

- **7s:** {2, 3, 5, 7}, {2, 4, 5, 7}
- **Add9s:** {3, 4, 5, 7}
- **7sus4s:** None
- **Add4s:** {2, 3, 4, 7}
- **4 Note Clusters:** {2, 3, 4, 5}

- **9ths:** {2, 3, 4, 5, 7}
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{2, 7}

Third built on VII.

Diatonic Interval Vector:

010

Subsets:

- **Silence:** {}
- **Scale Degrees:** {2}, {7}
- **4ths/5ths:** None
- **3rds/6ths:** {2, 7}
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** {2, 7}
- **2nds/7ths:** None

- **Triads:** {2, 5, 7}, {2, 4, 7}
- **Sus2s:** None
- **7no5s:** {2, 6, 7}
- **7no3s:** {2, 3, 7}
- **3 Note Clusters:** {R, 2, 7}

- **7s:** {2, 3, 5, 7}, {2, 4, 5, 7}, {2, 4, 6, 7}
- **Add9s:** {2, 5, 6, 7}, {R, 2, 4, 7}
- **7sus4s:** {2, 3, 6, 7}
- **Add4s:** {R, 2, 5, 7}, {2, 3, 4, 7}
- **4 Note Clusters:** {R, 2, 6, 7}, {R, 2, 3, 7}

- **9ths:** {R, 2, 3, 5, 7}, {2, 3, 4, 5, 7}, {2, 4, 5, 6, 7}, {R, 2, 4, 6, 7}
- **6/9s:** {2, 3, 4, 6, 7}, {2, 3, 5, 6, 7}, {R, 2, 4, 5, 7}
- **5 Note Clusters:** {R, 2, 5, 6, 7}, {R, 2, 3, 6, 7}, {R, 2, 3, 4, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {2, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {3}, {4}, {5}, {6}

- **4ths/5ths:** {R, 4}, {3, 6}, {R, 5}
- **3rds/6ths:** {R, 3}, {3, 5}, {4, 6}, {R, 6}
- **2nds/7ths:** {3, 4}, {4, 5}, {5, 6}

- **Triads:** {R, 3, 5}, {R, 4, 6}, {R, 3, 6}
- **Sus2s:** {R, 4, 5}
- **7no5s:** {3, 4, 6}, {R, 5, 6}
- **7no3s:** {R, 3, 4}, {3, 5, 6}
- **3 Note Clusters:** {3, 4, 5}, {4, 5, 6}

- **7s:** {R, 3, 4, 6}, {R, 3, 5, 6}
- **Add9s:** {R, 4, 5, 6}
- **7sus4s:** None
- **Add4s:** {R, 3, 4, 5}
- **4 Note Clusters:** {3, 4, 5, 6}

- **9ths:** {R, 3, 4, 5, 6}
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

2nds on Each Degree

- **On I:** {R, 2}
- **On II:** {2, 3}
- **On III:** {3, 4}
- **On IV:** {4, 5}
- **On V:** {5, 6}
- **On VI:** {6, 7}
- **On VII:** {R, 7}

{R, 2}

Second built on I.

Diatonic Interval Vector:

100

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {2}
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** {R, 2}
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None
- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None
- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None
- **11ths:** None
- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** {R, 2}
- **Triads:** None
- **Sus2s:** {R, 2, 5}
- **7no5s:** {R, 2, 4}
- **7no3s:** {R, 2, 6}
- **3 Note Clusters:** {R, 2, 3}, {R, 2, 7}

- **7s:** {R, 2, 4, 6}
- **Add9s:** {R, 2, 3, 5}, {R, 2, 4, 7}
- **7sus4s:** {R, 2, 5, 6}, {R, 2, 4, 5}
- **Add4s:** {R, 2, 5, 7}, {R, 2, 3, 6}
- **4 Note Clusters:** {R, 2, 3, 4}, {R, 2, 6, 7}, {R, 2, 3, 7}

- **9ths:** {R, 2, 3, 5, 7}, {R, 2, 3, 4, 6}, {R, 2, 4, 6, 7}
- **6/9s:** {R, 2, 3, 5, 6}, {R, 2, 4, 5, 6}, {R, 2, 4, 5, 7}
- **5 Note Clusters:** {R, 2, 3, 4, 5}, {R, 2, 5, 6, 7}, {R, 2, 3, 6, 7}, {R, 2, 3, 4, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 2, 3, 4, 5, 6}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {3}, {4}, {5}, {6}, {7}

- **4ths/5ths:** {3, 6}, {4, 7}, {3, 7}
- **3rds/6ths:** {3, 5}, {4, 6}, {5, 7}
- **2nds/7ths:** {3, 4}, {4, 5}, {5, 6}, {6, 7}

- **Triads:** {3, 5, 7}
- **Sus2s:** {3, 4, 7}, {3, 6, 7}
- **7no5s:** {3, 4, 6}, {4, 5, 7}
- **7no3s:** {3, 5, 6}, {4, 6, 7}
- **3 Note Clusters:** {3, 4, 5}, {4, 5, 6}, {5, 6, 7}

- **7s:** None
- **Add9s:** {3, 4, 5, 7}
- **7sus4s:** {3, 4, 6, 7}
- **Add4s:** {3, 5, 6, 7}
- **4 Note Clusters:** {3, 4, 5, 6}, {4, 5, 6, 7}

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** {3, 4, 5, 6, 7}

- **11ths:** None

- **13ths:** None

{2, 3}

Second built on II.

Diatonic Interval Vector:

100

Subsets:

- **Silence:** {}
- **Scale Degrees:** {2}, {3}
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** {2, 3}
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None
- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None
- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None
- **11ths:** None
- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** {2, 3}
- **Triads:** None
- **Sus2s:** {2, 3, 6}
- **7no5s:** {2, 3, 5}
- **7no3s:** {2, 3, 7}
- **3 Note Clusters:** {R, 2, 3}, {2, 3, 4}

- **7s:** {2, 3, 5, 7}
- **Add9s:** {R, 2, 3, 5}, {2, 3, 4, 6}
- **7sus4s:** {2, 3, 6, 7}, {2, 3, 5, 6}
- **Add4s:** {R, 2, 3, 6}, {2, 3, 4, 7}
- **4 Note Clusters:** {R, 2, 3, 4}, {2, 3, 4, 5}, {R, 2, 3, 7}

- **9ths:** {R, 2, 3, 5, 7}, {R, 2, 3, 4, 6}, {2, 3, 4, 5, 7}
- **6/9s:** {R, 2, 3, 5, 6}, {2, 3, 4, 6, 7}, {2, 3, 5, 6, 7}
- **5 Note Clusters:** {R, 2, 3, 4, 5}, {2, 3, 4, 5, 6}, {R, 2, 3, 6, 7}, {R, 2, 3, 4, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 2, 3, 4, 5, 6}, {2, 3, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {4}, {5}, {6}, {7}

- **4ths/5ths:** {R, 4}, {4, 7}, {R, 5}
- **3rds/6ths:** {4, 6}, {5, 7}, {R, 6}
- **2nds/7ths:** {4, 5}, {5, 6}, {6, 7}, {R, 7}

- **Triads:** {R, 4, 6}
- **Sus2s:** {R, 4, 5}, {R, 4, 7}
- **7no5s:** {4, 5, 7}, {R, 5, 6}
- **7no3s:** {R, 5, 7}, {4, 6, 7}
- **3 Note Clusters:** {4, 5, 6}, {5, 6, 7}, {R, 6, 7}

- **7s:** None
- **Add9s:** {R, 4, 5, 6}
- **7sus4s:** {R, 4, 5, 7}
- **Add4s:** {R, 4, 6, 7}
- **4 Note Clusters:** {4, 5, 6, 7}, {R, 5, 6, 7}

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** {R, 4, 5, 6, 7}

- **11ths:** None

- **13ths:** None

{3, 4}

Second built on III.

Diatonic Interval Vector:

100

Subsets:

- **Silence:** {}
- **Scale Degrees:** {3}, {4}
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** {3, 4}
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None
- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None
- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None
- **11ths:** None
- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** {3, 4}
- **Triads:** None
- **Sus2s:** {3, 4, 7}
- **7no5s:** {3, 4, 6}
- **7no3s:** {R, 3, 4}
- **3 Note Clusters:** {2, 3, 4}, {3, 4, 5}

- **7s:** {R, 3, 4, 6}
- **Add9s:** {2, 3, 4, 6}, {3, 4, 5, 7}
- **7sus4s:** {R, 3, 4, 7}, {3, 4, 6, 7}
- **Add4s:** {R, 3, 4, 5}, {2, 3, 4, 7}
- **4 Note Clusters:** {R, 2, 3, 4}, {2, 3, 4, 5}, {3, 4, 5, 6}

- **9ths:** {R, 2, 3, 4, 6}, {2, 3, 4, 5, 7}, {R, 3, 4, 5, 6}
- **6/9s:** {2, 3, 4, 6, 7}, {R, 3, 4, 5, 7}, {R, 3, 4, 6, 7}
- **5 Note Clusters:** {R, 2, 3, 4, 5}, {2, 3, 4, 5, 6}, {3, 4, 5, 6, 7}, {R, 2, 3, 4, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 2, 3, 4, 5, 6}, {2, 3, 4, 5, 6, 7}, {R, 3, 4, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {2}, {5}, {6}, {7}

- **4ths/5ths:** {2, 5}, {R, 5}, {2, 6}
- **3rds/6ths:** {5, 7}, {R, 6}, {2, 7}
- **2nds/7ths:** {R, 2}, {5, 6}, {6, 7}, {R, 7}

- **Triads:** {2, 5, 7}
- **Sus2s:** {R, 2, 5}, {2, 5, 6}
- **7no5s:** {R, 5, 6}, {2, 6, 7}
- **7no3s:** {R, 5, 7}, {R, 2, 6}
- **3 Note Clusters:** {5, 6, 7}, {R, 6, 7}, {R, 2, 7}

- **7s:** None
- **Add9s:** {2, 5, 6, 7}
- **7sus4s:** {R, 2, 5, 6}
- **Add4s:** {R, 2, 5, 7}
- **4 Note Clusters:** {R, 5, 6, 7}, {R, 2, 6, 7}

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** {R, 2, 5, 6, 7}

- **11ths:** None

- **13ths:** None

{4, 5}

Second built on IV.

Diatonic Interval Vector:

100

Subsets:

- **Silence:** {}
- **Scale Degrees:** {4}, {5}

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** {4, 5}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** {4, 5}

- **Triads:** None
- **Sus2s:** {R, 4, 5}
- **7no5s:** {4, 5, 7}
- **7no3s:** {2, 4, 5}
- **3 Note Clusters:** {3, 4, 5}, {4, 5, 6}

- **7s:** {2, 4, 5, 7}
- **Add9s:** {3, 4, 5, 7}, {R, 4, 5, 6}
- **7sus4s:** {R, 4, 5, 7}, {R, 2, 4, 5}
- **Add4s:** {R, 3, 4, 5}, {2, 4, 5, 6}
- **4 Note Clusters:** {2, 3, 4, 5}, {3, 4, 5, 6}, {4, 5, 6, 7}

- **9ths:** {2, 3, 4, 5, 7}, {R, 3, 4, 5, 6}, {2, 4, 5, 6, 7}
- **6/9s:** {R, 3, 4, 5, 7}, {R, 2, 4, 5, 6}, {R, 2, 4, 5, 7}
- **5 Note Clusters:** {R, 2, 3, 4, 5}, {2, 3, 4, 5, 6}, {3, 4, 5, 6, 7}, {R, 4, 5, 6, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 2, 3, 4, 5, 6}, {2, 3, 4, 5, 6, 7}, {R, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {2}, {3}, {6}, {7}

- **4ths/5ths:** {3, 6}, {2, 6}, {3, 7}
- **3rds/6ths:** {R, 3}, {R, 6}, {2, 7}
- **2nds/7ths:** {R, 2}, {2, 3}, {6, 7}, {R, 7}

- **Triads:** {R, 3, 6}
- **Sus2s:** {2, 3, 6}, {3, 6, 7}
- **7no5s:** {R, 3, 7}, {2, 6, 7}
- **7no3s:** {R, 2, 6}, {2, 3, 7}
- **3 Note Clusters:** {R, 2, 3}, {R, 6, 7}, {R, 2, 7}

- **7s:** None
- **Add9s:** {R, 3, 6, 7}
- **7sus4s:** {2, 3, 6, 7}
- **Add4s:** {R, 2, 3, 6}
- **4 Note Clusters:** {R, 2, 6, 7}, {R, 2, 3, 7}

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** {R, 2, 3, 6, 7}

- **11ths:** None

- **13ths:** None

{5, 6}

Second built on V.

Diatonic Interval Vector:

100

Subsets:

- **Silence:** {}
- **Scale Degrees:** {5}, {6}
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** {5, 6}
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None
- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None
- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None
- **11ths:** None
- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** {5, 6}
- **Triads:** None
- **Sus2s:** {2, 5, 6}
- **7no5s:** {R, 5, 6}
- **7no3s:** {3, 5, 6}
- **3 Note Clusters:** {4, 5, 6}, {5, 6, 7}

- **7s:** {R, 3, 5, 6}
- **Add9s:** {R, 4, 5, 6}, {2, 5, 6, 7}
- **7sus4s:** {R, 2, 5, 6}, {2, 3, 5, 6}
- **Add4s:** {2, 4, 5, 6}, {3, 5, 6, 7}
- **4 Note Clusters:** {3, 4, 5, 6}, {4, 5, 6, 7}, {R, 5, 6, 7}

- **9ths:** {R, 3, 4, 5, 6}, {2, 4, 5, 6, 7}, {R, 3, 5, 6, 7}
- **6/9s:** {R, 2, 3, 5, 6}, {R, 2, 4, 5, 6}, {2, 3, 5, 6, 7}
- **5 Note Clusters:** {2, 3, 4, 5, 6}, {3, 4, 5, 6, 7}, {R, 4, 5, 6, 7}, {R, 2, 5, 6, 7}

- **11ths:** {R, 2, 3, 4, 5, 6}, {2, 3, 4, 5, 6, 7}, {R, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {2}, {3}, {4}, {7}

- **4ths/5ths:** {R, 4}, {4, 7}, {3, 7}
- **3rds/6ths:** {R, 3}, {2, 4}, {2, 7}
- **2nds/7ths:** {R, 2}, {2, 3}, {3, 4}, {R, 7}

- **Triads:** {2, 4, 7}
- **Sus2s:** {3, 4, 7}, {R, 4, 7}
- **7no5s:** {R, 3, 7}, {R, 2, 4}
- **7no3s:** {2, 3, 7}, {R, 3, 4}
- **3 Note Clusters:** {R, 2, 3}, {2, 3, 4}, {R, 2, 7}

- **7s:** None
- **Add9s:** {R, 2, 4, 7}
- **7sus4s:** {R, 3, 4, 7}
- **Add4s:** {2, 3, 4, 7}
- **4 Note Clusters:** {R, 2, 3, 4}, {R, 2, 3, 7}

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** {R, 2, 3, 4, 7}

- **11ths:** None

- **13ths:** None

{6, 7}
Second built on VI.

Diatonic Interval Vector:
100

Subsets:
- **Silence:** {}
- **Scale Degrees:** {6}, {7}
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** {6, 7}
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None
- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None
- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None
- **11ths:** None
- **13ths:** None

Supersets:
- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** {6, 7}
- **Triads:** None
- **Sus2s:** {3, 6, 7}
- **7no5s:** {2, 6, 7}
- **7no3s:** {4, 6, 7}
- **3 Note Clusters:** {5, 6, 7}, {R, 6, 7}

- **7s:** {2, 4, 6, 7}
- **Add9s:** {2, 5, 6, 7}, {R, 3, 6, 7}
- **7sus4s:** {2, 3, 6, 7}, {3, 4, 6, 7}
- **Add4s:** {3, 5, 6, 7}, {R, 4, 6, 7}
- **4 Note Clusters:** {4, 5, 6, 7}, {R, 5, 6, 7}, {R, 2, 6, 7}

- **9ths:** {2, 4, 5, 6, 7}, {R, 3, 5, 6, 7}, {R, 2, 4, 6, 7}
- **6/9s:** {2, 3, 4, 6, 7}, {2, 3, 5, 6, 7}, {R, 3, 4, 6, 7}
- **5 Note Clusters:** {3, 4, 5, 6, 7}, {R, 4, 5, 6, 7}, {R, 2, 5, 6, 7}, {R, 2, 3, 6, 7}

- **11ths:** {2, 3, 4, 5, 6, 7}, {R, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {2}, {3}, {4}, {5}

- **4ths/5ths:** {R, 4}, {2, 5}, {R, 5}
- **3rds/6ths:** {R, 3}, {2, 4}, {3, 5}
- **2nds/7ths:** {R, 2}, {2, 3}, {3, 4}, {4, 5}

- **Triads:** {R, 3, 5}
- **Sus2s:** {R, 2, 5}, {R, 4, 5}
- **7no5s:** {R, 2, 4}, {2, 3, 5}
- **7no3s:** {R, 3, 4}, {2, 4, 5}
- **3 Note Clusters:** {R, 2, 3}, {2, 3, 4}, {3, 4, 5}

- **7s:** None
- **Add9s:** {R, 2, 3, 5}
- **7sus4s:** {R, 2, 4, 5}
- **Add4s:** {R, 3, 4, 5}
- **4 Note Clusters:** {R, 2, 3, 4}, {2, 3, 4, 5}

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** {R, 2, 3, 4, 5}

- **11ths:** None

- **13ths:** None

{R, 7}
Second built on VII.

Diatonic Interval Vector:
100

Subsets:
- **Silence:** {}
- **Scale Degrees:** {R}, {7}

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** {R, 7}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:
- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** {R, 7}

- **Triads:** None
- **Sus2s:** {R, 4, 7}
- **7no5s:** {R, 3, 7}
- **7no3s:** {R, 5, 7}
- **3 Note Clusters:** {R, 6, 7}, {R, 2, 7}

- **7s:** {R, 3, 5, 7}
- **Add9s:** {R, 3, 6, 7}, {R, 2, 4, 7}
- **7sus4s:** {R, 4, 5, 7}, {R, 3, 4, 7}
- **Add4s:** {R, 4, 6, 7}, {R, 2, 5, 7}
- **4 Note Clusters:** {R, 5, 6, 7}, {R, 2, 6, 7}, {R, 2, 3, 7}

- **9ths:** {R, 2, 3, 5, 7}, {R, 3, 5, 6, 7}, {R, 2, 4, 6, 7}
- **6/9s:** {R, 3, 4, 5, 7}, {R, 3, 4, 6, 7}, {R, 2, 4, 5, 7}
- **5 Note Clusters:** {R, 4, 5, 6, 7}, {R, 2, 5, 6, 7}, {R, 2, 3, 6, 7}, {R, 2, 3, 4, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {2}, {3}, {4}, {5}, {6}

- **4ths/5ths:** {2, 5}, {3, 6}, {2, 6}
- **3rds/6ths:** {2, 4}, {3, 5}, {4, 6}
- **2nds/7ths:** {2, 3}, {3, 4}, {4, 5}, {5, 6}

- **Triads:** {2, 4, 6}
- **Sus2s:** {2, 3, 6}, {2, 5, 6}
- **7no5s:** {2, 3, 5}, {3, 4, 6}
- **7no3s:** {2, 4, 5}, {3, 5, 6}
- **3 Note Clusters:** {2, 3, 4}, {3, 4, 5}, {4, 5, 6}

- **7s:** None
- **Add9s:** {2, 3, 4, 6}
- **7sus4s:** {2, 3, 5, 6}
- **Add4s:** {2, 4, 5, 6}
- **4 Note Clusters:** {2, 3, 4, 5}, {3, 4, 5, 6}

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** {2, 3, 4, 5, 6}

- **11ths:** None

- **13ths:** None

Sets of 3 Notes

- <u>Triads</u>
- <u>Sus2s</u>
- <u>7no5s</u>
- <u>7no3s</u>
- <u>3 Note Clusters</u>

Triads on Each Degree

- **On I:** {R, 3, 5}
- **On II:** {2, 4, 6}
- **On III:** {3, 5, 7}
- **On IV:** {R, 4, 6}
- **On V:** {2, 5, 7}
- **On VI:** {R, 3, 6}
- **On VII:** {2, 4, 7}

{R, 3, 5}

Triad built on I.

Diatonic Interval Vector:

021

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {3}, {5}
- **4ths/5ths:** {R, 5}
- **3rds/6ths:** {R, 3}, {3, 5}
- **2nds/7ths:** None
- **Triads:** {R, 3, 5}
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None
- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None
- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None
- **11ths:** None
- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None
- **Triads:** {R, 3, 5}
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** {R, 3, 5, 7}, {R, 3, 5, 6}
- **Add9s:** {R, 2, 3, 5}
- **7sus4s:** None
- **Add4s:** {R, 3, 4, 5}
- **4 Note Clusters:** None

- **9ths:** {R, 2, 3, 5, 7}, {R, 3, 4, 5, 6}, {R, 3, 5, 6, 7}
- **6/9s:** {R, 2, 3, 5, 6}, {R, 3, 4, 5, 7}
- **5 Note Clusters:** {R, 2, 3, 4, 5}

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 2, 3, 4, 5, 6}, {R, 3, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {2}, {4}, {6}, {7}

- **4ths/5ths:** {4, 7}, {2, 6}
- **3rds/6ths:** {2, 4}, {4, 6}, {2, 7}
- **2nds/7ths:** {6, 7}

- **Triads:** {2, 4, 6}, {2, 4, 7}
- **Sus2s:** None
- **7no5s:** {2, 6, 7}
- **7no3s:** {4, 6, 7}
- **3 Note Clusters:** None

- **7s:** {2, 4, 6, 7}
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{2, 4, 6}
Triad built on II.

Diatonic Interval Vector:
021

Subsets:
- **Silence:** {}
- **Scale Degrees:** {2}, {4}, {6}
- **4ths/5ths:** {2, 6}
- **3rds/6ths:** {2, 4}, {4, 6}
- **2nds/7ths:** None
- **Triads:** {2, 4, 6}
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None
- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None
- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None
- **11ths:** None
- **13ths:** None

Supersets:
- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None
- **Triads:** {2, 4, 6}
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** {R, 2, 4, 6}, {2, 4, 6, 7}
- **Add9s:** {2, 3, 4, 6}
- **7sus4s:** None
- **Add4s:** {2, 4, 5, 6}
- **4 Note Clusters:** None

- **9ths:** {R, 2, 3, 4, 6}, {2, 4, 5, 6, 7}, {R, 2, 4, 6, 7}
- **6/9s:** {2, 3, 4, 6, 7}, {R, 2, 4, 5, 6}
- **5 Note Clusters:** {2, 3, 4, 5, 6}

- **11ths:** {R, 2, 3, 4, 5, 6}, {2, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {3}, {5}, {7}

- **4ths/5ths:** {R, 5}, {3, 7}
- **3rds/6ths:** {R, 3}, {3, 5}, {5, 7}
- **2nds/7ths:** {R, 7}

- **Triads:** {R, 3, 5}, {3, 5, 7}
- **Sus2s:** None
- **7no5s:** {R, 3, 7}
- **7no3s:** {R, 5, 7}
- **3 Note Clusters:** None

- **7s:** {R, 3, 5, 7}
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{3, 5, 7}

Triad built on III.

Diatonic Interval Vector:

021

Subsets:

- **Silence:** {}
- **Scale Degrees:** {3}, {5}, {7}

- **4ths/5ths:** {3, 7}
- **3rds/6ths:** {3, 5}, {5, 7}
- **2nds/7ths:** None

- **Triads:** {3, 5, 7}
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** {3, 5, 7}
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** {R, 3, 5, 7}, {2, 3, 5, 7}
- **Add9s:** {3, 4, 5, 7}
- **7sus4s:** None
- **Add4s:** {3, 5, 6, 7}
- **4 Note Clusters:** None

- **9ths:** {R, 2, 3, 5, 7}, {2, 3, 4, 5, 7}, {R, 3, 5, 6, 7}
- **6/9s:** {R, 3, 4, 5, 7}, {2, 3, 5, 6, 7}
- **5 Note Clusters:** {3, 4, 5, 6, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {2, 3, 4, 5, 6, 7}, {R, 3, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {2}, {4}, {6}

- **4ths/5ths:** {R, 4}, {2, 6}
- **3rds/6ths:** {2, 4}, {4, 6}, {R, 6}
- **2nds/7ths:** {R, 2}

- **Triads:** {2, 4, 6}, {R, 4, 6}
- **Sus2s:** None
- **7no5s:** {R, 2, 4}
- **7no3s:** {R, 2, 6}
- **3 Note Clusters:** None

- **7s:** {R, 2, 4, 6}
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{R, 4, 6}
Triad built on IV.

Diatonic Interval Vector:
021

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {4}, {6}

- **4ths/5ths:** {R, 4}
- **3rds/6ths:** {4, 6}, {R, 6}
- **2nds/7ths:** None

- **Triads:** {R, 4, 6}
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** {R, 4, 6}
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** {R, 2, 4, 6}, {R, 3, 4, 6}
- **Add9s:** {R, 4, 5, 6}
- **7sus4s:** None
- **Add4s:** {R, 4, 6, 7}
- **4 Note Clusters:** None

- **9ths:** {R, 2, 3, 4, 6}, {R, 3, 4, 5, 6}, {R, 2, 4, 6, 7}
- **6/9s:** {R, 2, 4, 5, 6}, {R, 3, 4, 6, 7}
- **5 Note Clusters:** {R, 4, 5, 6, 7}

- **11ths:** {R, 2, 3, 4, 5, 6}, {R, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {2}, {3}, {5}, {7}

- **4ths/5ths:** {2, 5}, {3, 7}
- **3rds/6ths:** {3, 5}, {5, 7}, {2, 7}
- **2nds/7ths:** {2, 3}

- **Triads:** {3, 5, 7}, {2, 5, 7}
- **Sus2s:** None
- **7no5s:** {2, 3, 5}
- **7no3s:** {2, 3, 7}
- **3 Note Clusters:** None

- **7s:** {2, 3, 5, 7}
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{2, 5, 7}

Triad built on V.

Diatonic Interval Vector:

021

Subsets:

- **Silence:** {}
- **Scale Degrees:** {2}, {5}, {7}

- **4ths/5ths:** {2, 5}
- **3rds/6ths:** {5, 7}, {2, 7}
- **2nds/7ths:** None

- **Triads:** {2, 5, 7}
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** {2, 5, 7}
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** {2, 3, 5, 7}, {2, 4, 5, 7}
- **Add9s:** {2, 5, 6, 7}
- **7sus4s:** None
- **Add4s:** {R, 2, 5, 7}
- **4 Note Clusters:** None

- **9ths:** {R, 2, 3, 5, 7}, {2, 3, 4, 5, 7}, {2, 4, 5, 6, 7}
- **6/9s:** {2, 3, 5, 6, 7}, {R, 2, 4, 5, 7}
- **5 Note Clusters:** {R, 2, 5, 6, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {2, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {3}, {4}, {6}

- **4ths/5ths:** {R, 4}, {3, 6}
- **3rds/6ths:** {R, 3}, {4, 6}, {R, 6}
- **2nds/7ths:** {3, 4}

- **Triads:** {R, 4, 6}, {R, 3, 6}
- **Sus2s:** None
- **7no5s:** {3, 4, 6}
- **7no3s:** {R, 3, 4}
- **3 Note Clusters:** None

- **7s:** {R, 3, 4, 6}
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{R, 3, 6}

Triad built on VI.

Diatonic Interval Vector:

021

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {3}, {6}
- **4ths/5ths:** {3, 6}
- **3rds/6ths:** {R, 3}, {R, 6}
- **2nds/7ths:** None
- **Triads:** {R, 3, 6}
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None
- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None
- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None
- **11ths:** None
- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None
- **Triads:** {R, 3, 6}
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** {R, 3, 4, 6}, {R, 3, 5, 6}
- **Add9s:** {R, 3, 6, 7}
- **7sus4s:** None
- **Add4s:** {R, 2, 3, 6}
- **4 Note Clusters:** None

- **9ths:** {R, 2, 3, 4, 6}, {R, 3, 4, 5, 6}, {R, 3, 5, 6, 7}
- **6/9s:** {R, 2, 3, 5, 6}, {R, 3, 4, 6, 7}
- **5 Note Clusters:** {R, 2, 3, 6, 7}

- **11ths:** {R, 2, 3, 4, 5, 6}, {R, 3, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {2}, {4}, {5}, {7}

- **4ths/5ths:** {2, 5}, {4, 7}
- **3rds/6ths:** {2, 4}, {5, 7}, {2, 7}
- **2nds/7ths:** {4, 5}

- **Triads:** {2, 5, 7}, {2, 4, 7}
- **Sus2s:** None
- **7no5s:** {4, 5, 7}
- **7no3s:** {2, 4, 5}
- **3 Note Clusters:** None

- **7s:** {2, 4, 5, 7}
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{2, 4, 7}
Triad built on VII.

Diatonic Interval Vector:
021

Subsets:

- **Silence:** {}
- **Scale Degrees:** {2}, {4}, {7}

- **4ths/5ths:** {4, 7}
- **3rds/6ths:** {2, 4}, {2, 7}
- **2nds/7ths:** None

- **Triads:** {2, 4, 7}
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** {2, 4, 7}
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** {2, 4, 5, 7}, {2, 4, 6, 7}
- **Add9s:** {R, 2, 4, 7}
- **7sus4s:** None
- **Add4s:** {2, 3, 4, 7}
- **4 Note Clusters:** None

- **9ths:** {2, 3, 4, 5, 7}, {2, 4, 5, 6, 7}, {R, 2, 4, 6, 7}
- **6/9s:** {2, 3, 4, 6, 7}, {R, 2, 4, 5, 7}
- **5 Note Clusters:** {R, 2, 3, 4, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {2, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {3}, {5}, {6}

- **4ths/5ths:** {3, 6}, {R, 5}
- **3rds/6ths:** {R, 3}, {3, 5}, {R, 6}
- **2nds/7ths:** {5, 6}

- **Triads:** {R, 3, 5}, {R, 3, 6}
- **Sus2s:** None
- **7no5s:** {R, 5, 6}
- **7no3s:** {3, 5, 6}
- **3 Note Clusters:** None

- **7s:** {R, 3, 5, 6}
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Sus2s on Each Degree

- **On I:** {R, 2, 5}
- **On II:** {2, 3, 6}
- **On III:** {3, 4, 7}
- **On IV:** {R, 4, 5}
- **On V:** {2, 5, 6}
- **On VI:** {3, 6, 7}
- **On VII:** {R, 4, 7}

{R, 2, 5}

Sus2 built on I.

Diatonic Interval Vector:

102

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {2}, {5}
- **4ths/5ths:** {2, 5}, {R, 5}
- **3rds/6ths:** None
- **2nds/7ths:** {R, 2}
- **Triads:** None
- **Sus2s:** {R, 2, 5}
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None
- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None
- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None
- **11ths:** None
- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None
- **Triads:** None
- **Sus2s:** {R, 2, 5}
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** {R, 2, 3, 5}
- **7sus4s:** {R, 2, 5, 6}, {R, 2, 4, 5}
- **Add4s:** {R, 2, 5, 7}
- **4 Note Clusters:** None

- **9ths:** {R, 2, 3, 5, 7}
- **6/9s:** {R, 2, 3, 5, 6}, {R, 2, 4, 5, 6}, {R, 2, 4, 5, 7}
- **5 Note Clusters:** {R, 2, 3, 4, 5}, {R, 2, 5, 6, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 2, 3, 4, 5, 6}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {3}, {4}, {6}, {7}

- **4ths/5ths:** {3, 6}, {4, 7}, {3, 7}
- **3rds/6ths:** {4, 6}
- **2nds/7ths:** {3, 4}, {6, 7}

- **Triads:** None
- **Sus2s:** {3, 4, 7}, {3, 6, 7}
- **7no5s:** {3, 4, 6}
- **7no3s:** {4, 6, 7}
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** {3, 4, 6, 7}
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{2, 3, 6}

Sus2 built on II.

Diatonic Interval Vector:

102

Subsets:

- **Silence:** {}
- **Scale Degrees:** {2}, {3}, {6}

- **4ths/5ths:** {3, 6}, {2, 6}
- **3rds/6ths:** None
- **2nds/7ths:** {2, 3}

- **Triads:** None
- **Sus2s:** {2, 3, 6}
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** {2, 3, 6}
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** {2, 3, 4, 6}
- **7sus4s:** {2, 3, 6, 7}, {2, 3, 5, 6}
- **Add4s:** {R, 2, 3, 6}
- **4 Note Clusters:** None

- **9ths:** {R, 2, 3, 4, 6}
- **6/9s:** {R, 2, 3, 5, 6}, {2, 3, 4, 6, 7}, {2, 3, 5, 6, 7}
- **5 Note Clusters:** {2, 3, 4, 5, 6}, {R, 2, 3, 6, 7}

- **11ths:** {R, 2, 3, 4, 5, 6}, {2, 3, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {4}, {5}, {7}

- **4ths/5ths:** {R, 4}, {4, 7}, {R, 5}
- **3rds/6ths:** {5, 7}
- **2nds/7ths:** {4, 5}, {R, 7}

- **Triads:** None
- **Sus2s:** {R, 4, 5}, {R, 4, 7}
- **7no5s:** {4, 5, 7}
- **7no3s:** {R, 5, 7}
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** {R, 4, 5, 7}
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{3, 4, 7}

Sus2 built on III.

Diatonic Interval Vector:

102

Subsets:

- **Silence:** {}
- **Scale Degrees:** {3}, {4}, {7}

- **4ths/5ths:** {4, 7}, {3, 7}
- **3rds/6ths:** None
- **2nds/7ths:** {3, 4}

- **Triads:** None
- **Sus2s:** {3, 4, 7}
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** {3, 4, 7}
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** {3, 4, 5, 7}
- **7sus4s:** {R, 3, 4, 7}, {3, 4, 6, 7}
- **Add4s:** {2, 3, 4, 7}
- **4 Note Clusters:** None

- **9ths:** {2, 3, 4, 5, 7}
- **6/9s:** {2, 3, 4, 6, 7}, {R, 3, 4, 5, 7}, {R, 3, 4, 6, 7}
- **5 Note Clusters:** {3, 4, 5, 6, 7}, {R, 2, 3, 4, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {2, 3, 4, 5, 6, 7}, {R, 3, 4, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {2}, {5}, {6}

- **4ths/5ths:** {2, 5}, {R, 5}, {2, 6}
- **3rds/6ths:** {R, 6}
- **2nds/7ths:** {R, 2}, {5, 6}

- **Triads:** None
- **Sus2s:** {R, 2, 5}, {2, 5, 6}
- **7no5s:** {R, 5, 6}
- **7no3s:** {R, 2, 6}
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** {R, 2, 5, 6}
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{R, 4, 5}

Sus2 built on IV.

Diatonic Interval Vector:

102

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {4}, {5}

- **4ths/5ths:** {R, 4}, {R, 5}
- **3rds/6ths:** None
- **2nds/7ths:** {4, 5}

- **Triads:** None
- **Sus2s:** {R, 4, 5}
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** {R, 4, 5}
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** {R, 4, 5, 6}
- **7sus4s:** {R, 4, 5, 7}, {R, 2, 4, 5}
- **Add4s:** {R, 3, 4, 5}
- **4 Note Clusters:** None

- **9ths:** {R, 3, 4, 5, 6}
- **6/9s:** {R, 3, 4, 5, 7}, {R, 2, 4, 5, 6}, {R, 2, 4, 5, 7}
- **5 Note Clusters:** {R, 2, 3, 4, 5}, {R, 4, 5, 6, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 2, 3, 4, 5, 6}, {R, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {2}, {3}, {6}, {7}

- **4ths/5ths:** {3, 6}, {2, 6}, {3, 7}
- **3rds/6ths:** {2, 7}
- **2nds/7ths:** {2, 3}, {6, 7}

- **Triads:** None
- **Sus2s:** {2, 3, 6}, {3, 6, 7}
- **7no5s:** {2, 6, 7}
- **7no3s:** {2, 3, 7}
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** {2, 3, 6, 7}
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{2, 5, 6}

Sus2 built on V.

Diatonic Interval Vector:

102

Subsets:

- **Silence:** {}
- **Scale Degrees:** {2}, {5}, {6}

- **4ths/5ths:** {2, 5}, {2, 6}
- **3rds/6ths:** None
- **2nds/7ths:** {5, 6}

- **Triads:** None
- **Sus2s:** {2, 5, 6}
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** {2, 5, 6}
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** {2, 5, 6, 7}
- **7sus4s:** {R, 2, 5, 6}, {2, 3, 5, 6}
- **Add4s:** {2, 4, 5, 6}
- **4 Note Clusters:** None

- **9ths:** {2, 4, 5, 6, 7}
- **6/9s:** {R, 2, 3, 5, 6}, {R, 2, 4, 5, 6}, {2, 3, 5, 6, 7}
- **5 Note Clusters:** {2, 3, 4, 5, 6}, {R, 2, 5, 6, 7}

- **11ths:** {R, 2, 3, 4, 5, 6}, {2, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {3}, {4}, {7}

- **4ths/5ths:** {R, 4}, {4, 7}, {3, 7}
- **3rds/6ths:** {R, 3}
- **2nds/7ths:** {3, 4}, {R, 7}

- **Triads:** None
- **Sus2s:** {3, 4, 7}, {R, 4, 7}
- **7no5s:** {R, 3, 7}
- **7no3s:** {R, 3, 4}
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** {R, 3, 4, 7}
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{3, 6, 7}

Sus2 built on VI.

Diatonic Interval Vector:

102

Subsets:

- **Silence:** {}
- **Scale Degrees:** {3}, {6}, {7}

- **4ths/5ths:** {3, 6}, {3, 7}
- **3rds/6ths:** None
- **2nds/7ths:** {6, 7}

- **Triads:** None
- **Sus2s:** {3, 6, 7}
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** {3, 6, 7}
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** {R, 3, 6, 7}
- **7sus4s:** {2, 3, 6, 7}, {3, 4, 6, 7}
- **Add4s:** {3, 5, 6, 7}
- **4 Note Clusters:** None

- **9ths:** {R, 3, 5, 6, 7}
- **6/9s:** {2, 3, 4, 6, 7}, {2, 3, 5, 6, 7}, {R, 3, 4, 6, 7}
- **5 Note Clusters:** {3, 4, 5, 6, 7}, {R, 2, 3, 6, 7}

- **11ths:** {2, 3, 4, 5, 6, 7}, {R, 3, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {2}, {4}, {5}

- **4ths/5ths:** {R, 4}, {2, 5}, {R, 5}
- **3rds/6ths:** {2, 4}
- **2nds/7ths:** {R, 2}, {4, 5}

- **Triads:** None
- **Sus2s:** {R, 2, 5}, {R, 4, 5}
- **7no5s:** {R, 2, 4}
- **7no3s:** {2, 4, 5}
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** {R, 2, 4, 5}
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{R, 4, 7}

Sus2 built on VII.

Diatonic Interval Vector:

102

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {4}, {7}
- **4ths/5ths:** {R, 4}, {4, 7}
- **3rds/6ths:** None
- **2nds/7ths:** {R, 7}

- **Triads:** None
- **Sus2s:** {R, 4, 7}
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** {R, 4, 7}
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** {R, 2, 4, 7}
- **7sus4s:** {R, 4, 5, 7}, {R, 3, 4, 7}
- **Add4s:** {R, 4, 6, 7}
- **4 Note Clusters:** None

- **9ths:** {R, 2, 4, 6, 7}
- **6/9s:** {R, 3, 4, 5, 7}, {R, 3, 4, 6, 7}, {R, 2, 4, 5, 7}
- **5 Note Clusters:** {R, 4, 5, 6, 7}, {R, 2, 3, 4, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {2}, {3}, {5}, {6}

- **4ths/5ths:** {2, 5}, {3, 6}, {2, 6}
- **3rds/6ths:** {3, 5}
- **2nds/7ths:** {2, 3}, {5, 6}

- **Triads:** None
- **Sus2s:** {2, 3, 6}, {2, 5, 6}
- **7no5s:** {2, 3, 5}
- **7no3s:** {3, 5, 6}
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** {2, 3, 5, 6}
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

-

-

7no5s on Each Degree

- **On I:** {R, 3, 7}
- **On II:** {R, 2, 4}
- **On III:** {2, 3, 5}
- **On IV:** {3, 4, 6}
- **On V:** {4, 5, 7}
- **On VI:** {R, 5, 6}
- **On VII:** {2, 6, 7}

{R, 3, 7}

7no5 built on I.

Diatonic Interval Vector:

111

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {3}, {7}
- **4ths/5ths:** {3, 7}
- **3rds/6ths:** {R, 3}
- **2nds/7ths:** {R, 7}
- **Triads:** None
- **Sus2s:** None
- **7no5s:** {R, 3, 7}
- **7no3s:** None
- **3 Note Clusters:** None
- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None
- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None
- **11ths:** None
- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None
- **Triads:** None
- **Sus2s:** None
- **7no5s:** {R, 3, 7}
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** {R, 3, 5, 7}
- **Add9s:** {R, 3, 6, 7}
- **7sus4s:** {R, 3, 4, 7}
- **Add4s:** None
- **4 Note Clusters:** {R, 2, 3, 7}

- **9ths:** {R, 2, 3, 5, 7}, {R, 3, 5, 6, 7}
- **6/9s:** {R, 3, 4, 5, 7}, {R, 3, 4, 6, 7}
- **5 Note Clusters:** {R, 2, 3, 6, 7}, {R, 2, 3, 4, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 3, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {2}, {4}, {5}, {6}

- **4ths/5ths:** {2, 5}, {2, 6}
- **3rds/6ths:** {2, 4}, {4, 6}
- **2nds/7ths:** {4, 5}, {5, 6}

- **Triads:** {2, 4, 6}
- **Sus2s:** {2, 5, 6}
- **7no5s:** None
- **7no3s:** {2, 4, 5}
- **3 Note Clusters:** {4, 5, 6}

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** {2, 4, 5, 6}
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{R, 2, 4}

7no5 built on II.

Diatonic Interval Vector:

111

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {2}, {4}
- **4ths/5ths:** {R, 4}
- **3rds/6ths:** {2, 4}
- **2nds/7ths:** {R, 2}
- **Triads:** None
- **Sus2s:** None
- **7no5s:** {R, 2, 4}
- **7no3s:** None
- **3 Note Clusters:** None
- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None
- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None
- **11ths:** None
- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None
- **Triads:** None
- **Sus2s:** None
- **7no5s:** {R, 2, 4}
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** {R, 2, 4, 6}
- **Add9s:** {R, 2, 4, 7}
- **7sus4s:** {R, 2, 4, 5}
- **Add4s:** None
- **4 Note Clusters:** {R, 2, 3, 4}

- **9ths:** {R, 2, 3, 4, 6}, {R, 2, 4, 6, 7}
- **6/9s:** {R, 2, 4, 5, 6}, {R, 2, 4, 5, 7}
- **5 Note Clusters:** {R, 2, 3, 4, 5}, {R, 2, 3, 4, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 2, 3, 4, 5, 6}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {3}, {5}, {6}, {7}

- **4ths/5ths:** {3, 6}, {3, 7}
- **3rds/6ths:** {3, 5}, {5, 7}
- **2nds/7ths:** {5, 6}, {6, 7}

- **Triads:** {3, 5, 7}
- **Sus2s:** {3, 6, 7}
- **7no5s:** None
- **7no3s:** {3, 5, 6}
- **3 Note Clusters:** {5, 6, 7}

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** {3, 5, 6, 7}
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{2, 3, 5}

7no5 built on III.

Diatonic Interval Vector:

111

Subsets:

- **Silence:** {}
- **Scale Degrees:** {2}, {3}, {5}

- **4ths/5ths:** {2, 5}
- **3rds/6ths:** {3, 5}
- **2nds/7ths:** {2, 3}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** {2, 3, 5}
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** {2, 3, 5}
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** {2, 3, 5, 7}
- **Add9s:** {R, 2, 3, 5}
- **7sus4s:** {2, 3, 5, 6}
- **Add4s:** None
- **4 Note Clusters:** {2, 3, 4, 5}

- **9ths:** {R, 2, 3, 5, 7}, {2, 3, 4, 5, 7}
- **6/9s:** {R, 2, 3, 5, 6}, {2, 3, 5, 6, 7}
- **5 Note Clusters:** {R, 2, 3, 4, 5}, {2, 3, 4, 5, 6}

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 2, 3, 4, 5, 6}, {2, 3, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {4}, {6}, {7}

- **4ths/5ths:** {R, 4}, {4, 7}
- **3rds/6ths:** {4, 6}, {R, 6}
- **2nds/7ths:** {6, 7}, {R, 7}

- **Triads:** {R, 4, 6}
- **Sus2s:** {R, 4, 7}
- **7no5s:** None
- **7no3s:** {4, 6, 7}
- **3 Note Clusters:** {R, 6, 7}

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** {R, 4, 6, 7}
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{3, 4, 6}

7no5 built on IV.

Diatonic Interval Vector:

111

Subsets:

- **Silence:** {}
- **Scale Degrees:** {3}, {4}, {6}
- **4ths/5ths:** {3, 6}
- **3rds/6ths:** {4, 6}
- **2nds/7ths:** {3, 4}
- **Triads:** None
- **Sus2s:** None
- **7no5s:** {3, 4, 6}
- **7no3s:** None
- **3 Note Clusters:** None
- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None
- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None
- **11ths:** None
- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None
- **Triads:** None
- **Sus2s:** None
- **7no5s:** {3, 4, 6}
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** {R, 3, 4, 6}
- **Add9s:** {2, 3, 4, 6}
- **7sus4s:** {3, 4, 6, 7}
- **Add4s:** None
- **4 Note Clusters:** {3, 4, 5, 6}

- **9ths:** {R, 2, 3, 4, 6}, {R, 3, 4, 5, 6}
- **6/9s:** {2, 3, 4, 6, 7}, {R, 3, 4, 6, 7}
- **5 Note Clusters:** {2, 3, 4, 5, 6}, {3, 4, 5, 6, 7}

- **11ths:** {R, 2, 3, 4, 5, 6}, {2, 3, 4, 5, 6, 7}, {R, 3, 4, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {2}, {5}, {7}

- **4ths/5ths:** {2, 5}, {R, 5}
- **3rds/6ths:** {5, 7}, {2, 7}
- **2nds/7ths:** {R, 2}, {R, 7}

- **Triads:** {2, 5, 7}
- **Sus2s:** {R, 2, 5}
- **7no5s:** None
- **7no3s:** {R, 5, 7}
- **3 Note Clusters:** {R, 2, 7}

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** {R, 2, 5, 7}
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{4, 5, 7}

7no5 built on V.

Diatonic Interval Vector:

111

Subsets:

- **Silence:** {}
- **Scale Degrees:** {4}, {5}, {7}
- **4ths/5ths:** {4, 7}
- **3rds/6ths:** {5, 7}
- **2nds/7ths:** {4, 5}
- **Triads:** None
- **Sus2s:** None
- **7no5s:** {4, 5, 7}
- **7no3s:** None
- **3 Note Clusters:** None
- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None
- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None
- **11ths:** None
- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None
- **Triads:** None
- **Sus2s:** None
- **7no5s:** {4, 5, 7}
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** {2, 4, 5, 7}
- **Add9s:** {3, 4, 5, 7}
- **7sus4s:** {R, 4, 5, 7}
- **Add4s:** None
- **4 Note Clusters:** {4, 5, 6, 7}

- **9ths:** {2, 3, 4, 5, 7}, {2, 4, 5, 6, 7}
- **6/9s:** {R, 3, 4, 5, 7}, {R, 2, 4, 5, 7}
- **5 Note Clusters:** {3, 4, 5, 6, 7}, {R, 4, 5, 6, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {2, 3, 4, 5, 6, 7}, {R, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {2}, {3}, {6}

- **4ths/5ths:** {3, 6}, {2, 6}
- **3rds/6ths:** {R, 3}, {R, 6}
- **2nds/7ths:** {R, 2}, {2, 3}

- **Triads:** {R, 3, 6}
- **Sus2s:** {2, 3, 6}
- **7no5s:** None
- **7no3s:** {R, 2, 6}
- **3 Note Clusters:** {R, 2, 3}

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** {R, 2, 3, 6}
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{R, 5, 6}

7no5 built on VI.

Diatonic Interval Vector:

111

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {5}, {6}

- **4ths/5ths:** {R, 5}
- **3rds/6ths:** {R, 6}
- **2nds/7ths:** {5, 6}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** {R, 5, 6}
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** {R, 5, 6}
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** {R, 3, 5, 6}
- **Add9s:** {R, 4, 5, 6}
- **7sus4s:** {R, 2, 5, 6}
- **Add4s:** None
- **4 Note Clusters:** {R, 5, 6, 7}

- **9ths:** {R, 3, 4, 5, 6}, {R, 3, 5, 6, 7}
- **6/9s:** {R, 2, 3, 5, 6}, {R, 2, 4, 5, 6}
- **5 Note Clusters:** {R, 4, 5, 6, 7}, {R, 2, 5, 6, 7}

- **11ths:** {R, 2, 3, 4, 5, 6}, {R, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {2}, {3}, {4}, {7}

- **4ths/5ths:** {4, 7}, {3, 7}
- **3rds/6ths:** {2, 4}, {2, 7}
- **2nds/7ths:** {2, 3}, {3, 4}

- **Triads:** {2, 4, 7}
- **Sus2s:** {3, 4, 7}
- **7no5s:** None
- **7no3s:** {2, 3, 7}
- **3 Note Clusters:** {2, 3, 4}

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** {2, 3, 4, 7}
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{2, 6, 7}

7no5 built on VII.

Diatonic Interval Vector:

111

Subsets:

- **Silence:** {}
- **Scale Degrees:** {2}, {6}, {7}
- **4ths/5ths:** {2, 6}
- **3rds/6ths:** {2, 7}
- **2nds/7ths:** {6, 7}
- **Triads:** None
- **Sus2s:** None
- **7no5s:** {2, 6, 7}
- **7no3s:** None
- **3 Note Clusters:** None
- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None
- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None
- **11ths:** None
- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None
- **Triads:** None
- **Sus2s:** None
- **7no5s:** {2, 6, 7}
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** {2, 4, 6, 7}
- **Add9s:** {2, 5, 6, 7}
- **7sus4s:** {2, 3, 6, 7}
- **Add4s:** None
- **4 Note Clusters:** {R, 2, 6, 7}

- **9ths:** {2, 4, 5, 6, 7}, {R, 2, 4, 6, 7}
- **6/9s:** {2, 3, 4, 6, 7}, {2, 3, 5, 6, 7}
- **5 Note Clusters:** {R, 2, 5, 6, 7}, {R, 2, 3, 6, 7}

- **11ths:** {2, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {3}, {4}, {5}

- **4ths/5ths:** {R, 4}, {R, 5}
- **3rds/6ths:** {R, 3}, {3, 5}
- **2nds/7ths:** {3, 4}, {4, 5}

- **Triads:** {R, 3, 5}
- **Sus2s:** {R, 4, 5}
- **7no5s:** None
- **7no3s:** {R, 3, 4}
- **3 Note Clusters:** {3, 4, 5}

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** {R, 3, 4, 5}
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

7no3s on Each Degree

- **On I:** {R, 5, 7}
- **On II:** {R, 2, 6}
- **On III:** {2, 3, 7}
- **On IV:** {R, 3, 4}
- **On V:** {2, 4, 5}
- **On VI:** {3, 5, 6}
- **On VII:** {4, 6, 7}

{R, 5, 7}

7no3 built on I.

Diatonic Interval Vector:

111

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {5}, {7}
- **4ths/5ths:** {R, 5}
- **3rds/6ths:** {5, 7}
- **2nds/7ths:** {R, 7}
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** {R, 5, 7}
- **3 Note Clusters:** None
- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None
- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None
- **11ths:** None
- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** {R, 5, 7}
- **3 Note Clusters:** None

- **7s:** {R, 3, 5, 7}
- **Add9s:** None
- **7sus4s:** {R, 4, 5, 7}
- **Add4s:** {R, 2, 5, 7}
- **4 Note Clusters:** {R, 5, 6, 7}

- **9ths:** {R, 2, 3, 5, 7}, {R, 3, 5, 6, 7}
- **6/9s:** {R, 3, 4, 5, 7}, {R, 2, 4, 5, 7}
- **5 Note Clusters:** {R, 4, 5, 6, 7}, {R, 2, 5, 6, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {2}, {3}, {4}, {6}

- **4ths/5ths:** {3, 6}, {2, 6}
- **3rds/6ths:** {2, 4}, {4, 6}
- **2nds/7ths:** {2, 3}, {3, 4}

- **Triads:** {2, 4, 6}
- **Sus2s:** {2, 3, 6}
- **7no5s:** {3, 4, 6}
- **7no3s:** None
- **3 Note Clusters:** {2, 3, 4}

- **7s:** None
- **Add9s:** {2, 3, 4, 6}
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{R, 2, 6}

7no3 built on II.

Diatonic Interval Vector:

111

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {2}, {6}
- **4ths/5ths:** {2, 6}
- **3rds/6ths:** {R, 6}
- **2nds/7ths:** {R, 2}
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** {R, 2, 6}
- **3 Note Clusters:** None
- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None
- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None
- **11ths:** None
- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** {R, 2, 6}
- **3 Note Clusters:** None

- **7s:** {R, 2, 4, 6}
- **Add9s:** None
- **7sus4s:** {R, 2, 5, 6}
- **Add4s:** {R, 2, 3, 6}
- **4 Note Clusters:** {R, 2, 6, 7}

- **9ths:** {R, 2, 3, 4, 6}, {R, 2, 4, 6, 7}
- **6/9s:** {R, 2, 3, 5, 6}, {R, 2, 4, 5, 6}
- **5 Note Clusters:** {R, 2, 5, 6, 7}, {R, 2, 3, 6, 7}

- **11ths:** {R, 2, 3, 4, 5, 6}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {3}, {4}, {5}, {7}

- **4ths/5ths:** {4, 7}, {3, 7}
- **3rds/6ths:** {3, 5}, {5, 7}
- **2nds/7ths:** {3, 4}, {4, 5}

- **Triads:** {3, 5, 7}
- **Sus2s:** {3, 4, 7}
- **7no5s:** {4, 5, 7}
- **7no3s:** None
- **3 Note Clusters:** {3, 4, 5}

- **7s:** None
- **Add9s:** {3, 4, 5, 7}
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{2, 3, 7}

7no3 built on III.

Diatonic Interval Vector:

111

Subsets:

- **Silence:** {}
- **Scale Degrees:** {2}, {3}, {7}
- **4ths/5ths:** {3, 7}
- **3rds/6ths:** {2, 7}
- **2nds/7ths:** {2, 3}
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** {2, 3, 7}
- **3 Note Clusters:** None
- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None
- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None
- **11ths:** None
- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** {2, 3, 7}
- **3 Note Clusters:** None

- **7s:** {2, 3, 5, 7}
- **Add9s:** None
- **7sus4s:** {2, 3, 6, 7}
- **Add4s:** {2, 3, 4, 7}
- **4 Note Clusters:** {R, 2, 3, 7}

- **9ths:** {R, 2, 3, 5, 7}, {2, 3, 4, 5, 7}
- **6/9s:** {2, 3, 4, 6, 7}, {2, 3, 5, 6, 7}
- **5 Note Clusters:** {R, 2, 3, 6, 7}, {R, 2, 3, 4, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {2, 3, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {4}, {5}, {6}

- **4ths/5ths:** {R, 4}, {R, 5}
- **3rds/6ths:** {4, 6}, {R, 6}
- **2nds/7ths:** {4, 5}, {5, 6}

- **Triads:** {R, 4, 6}
- **Sus2s:** {R, 4, 5}
- **7no5s:** {R, 5, 6}
- **7no3s:** None
- **3 Note Clusters:** {4, 5, 6}

- **7s:** None
- **Add9s:** {R, 4, 5, 6}
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{R, 3, 4}

7no3 built on IV.

Diatonic Interval Vector:

111

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {3}, {4}
- **4ths/5ths:** {R, 4}
- **3rds/6ths:** {R, 3}
- **2nds/7ths:** {3, 4}
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** {R, 3, 4}
- **3 Note Clusters:** None
- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None
- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None
- **11ths:** None
- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** {R, 3, 4}
- **3 Note Clusters:** None

- **7s:** {R, 3, 4, 6}
- **Add9s:** None
- **7sus4s:** {R, 3, 4, 7}
- **Add4s:** {R, 3, 4, 5}
- **4 Note Clusters:** {R, 2, 3, 4}

- **9ths:** {R, 2, 3, 4, 6}, {R, 3, 4, 5, 6}
- **6/9s:** {R, 3, 4, 5, 7}, {R, 3, 4, 6, 7}
- **5 Note Clusters:** {R, 2, 3, 4, 5}, {R, 2, 3, 4, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 2, 3, 4, 5, 6}, {R, 3, 4, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {2}, {5}, {6}, {7}

- **4ths/5ths:** {2, 5}, {2, 6}
- **3rds/6ths:** {5, 7}, {2, 7}
- **2nds/7ths:** {5, 6}, {6, 7}

- **Triads:** {2, 5, 7}
- **Sus2s:** {2, 5, 6}
- **7no5s:** {2, 6, 7}
- **7no3s:** None
- **3 Note Clusters:** {5, 6, 7}

- **7s:** None
- **Add9s:** {2, 5, 6, 7}
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{2, 4, 5}

7no3 built on V.

Diatonic Interval Vector:

111

Subsets:

- **Silence:** {}
- **Scale Degrees:** {2}, {4}, {5}

- **4ths/5ths:** {2, 5}
- **3rds/6ths:** {2, 4}
- **2nds/7ths:** {4, 5}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** {2, 4, 5}
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** {2, 4, 5}
- **3 Note Clusters:** None

- **7s:** {2, 4, 5, 7}
- **Add9s:** None
- **7sus4s:** {R, 2, 4, 5}
- **Add4s:** {2, 4, 5, 6}
- **4 Note Clusters:** {2, 3, 4, 5}

- **9ths:** {2, 3, 4, 5, 7}, {2, 4, 5, 6, 7}
- **6/9s:** {R, 2, 4, 5, 6}, {R, 2, 4, 5, 7}
- **5 Note Clusters:** {R, 2, 3, 4, 5}, {2, 3, 4, 5, 6}

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 2, 3, 4, 5, 6}, {2, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {3}, {6}, {7}

- **4ths/5ths:** {3, 6}, {3, 7}
- **3rds/6ths:** {R, 3}, {R, 6}
- **2nds/7ths:** {6, 7}, {R, 7}

- **Triads:** {R, 3, 6}
- **Sus2s:** {3, 6, 7}
- **7no5s:** {R, 3, 7}
- **7no3s:** None
- **3 Note Clusters:** {R, 6, 7}

- **7s:** None
- **Add9s:** {R, 3, 6, 7}
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{3, 5, 6}

7no3 built on VI.

Diatonic Interval Vector:

111

Subsets:

- **Silence:** {}
- **Scale Degrees:** {3}, {5}, {6}

- **4ths/5ths:** {3, 6}
- **3rds/6ths:** {3, 5}
- **2nds/7ths:** {5, 6}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** {3, 5, 6}
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** {3, 5, 6}
- **3 Note Clusters:** None

- **7s:** {R, 3, 5, 6}
- **Add9s:** None
- **7sus4s:** {2, 3, 5, 6}
- **Add4s:** {3, 5, 6, 7}
- **4 Note Clusters:** {3, 4, 5, 6}

- **9ths:** {R, 3, 4, 5, 6}, {R, 3, 5, 6, 7}
- **6/9s:** {R, 2, 3, 5, 6}, {2, 3, 5, 6, 7}
- **5 Note Clusters:** {2, 3, 4, 5, 6}, {3, 4, 5, 6, 7}

- **11ths:** {R, 2, 3, 4, 5, 6}, {2, 3, 4, 5, 6, 7}, {R, 3, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {2}, {4}, {7}

- **4ths/5ths:** {R, 4}, {4, 7}
- **3rds/6ths:** {2, 4}, {2, 7}
- **2nds/7ths:** {R, 2}, {R, 7}

- **Triads:** {2, 4, 7}
- **Sus2s:** {R, 4, 7}
- **7no5s:** {R, 2, 4}
- **7no3s:** None
- **3 Note Clusters:** {R, 2, 7}

- **7s:** None
- **Add9s:** {R, 2, 4, 7}
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{4, 6, 7}

7no3 built on VII.

Diatonic Interval Vector:

111

Subsets:

- **Silence:** {}
- **Scale Degrees:** {4}, {6}, {7}
- **4ths/5ths:** {4, 7}
- **3rds/6ths:** {4, 6}
- **2nds/7ths:** {6, 7}
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** {4, 6, 7}
- **3 Note Clusters:** None
- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None
- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None
- **11ths:** None
- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** {4, 6, 7}
- **3 Note Clusters:** None

- **7s:** {2, 4, 6, 7}
- **Add9s:** None
- **7sus4s:** {3, 4, 6, 7}
- **Add4s:** {R, 4, 6, 7}
- **4 Note Clusters:** {4, 5, 6, 7}

- **9ths:** {2, 4, 5, 6, 7}, {R, 2, 4, 6, 7}
- **6/9s:** {2, 3, 4, 6, 7}, {R, 3, 4, 6, 7}
- **5 Note Clusters:** {3, 4, 5, 6, 7}, {R, 4, 5, 6, 7}

- **11ths:** {2, 3, 4, 5, 6, 7}, {R, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {2}, {3}, {5}

- **4ths/5ths:** {2, 5}, {R, 5}
- **3rds/6ths:** {R, 3}, {3, 5}
- **2nds/7ths:** {R, 2}, {2, 3}

- **Triads:** {R, 3, 5}
- **Sus2s:** {R, 2, 5}
- **7no5s:** {2, 3, 5}
- **7no3s:** None
- **3 Note Clusters:** {R, 2, 3}

- **7s:** None
- **Add9s:** {R, 2, 3, 5}
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

3 Note Clusters on Each Degree

- **On I:** {R, 2, 3}
- **On II:** {2, 3, 4}
- **On III:** {3, 4, 5}
- **On IV:** {4, 5, 6}
- **On V:** {5, 6, 7}
- **On VI:** {R, 6, 7}
- **On VII:** {R, 2, 7}

{R, 2, 3}

3 note cluster built on I.

Diatonic Interval Vector:

210

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {2}, {3}
- **4ths/5ths:** None
- **3rds/6ths:** {R, 3}
- **2nds/7ths:** {R, 2}, {2, 3}
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** {R, 2, 3}
- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None
- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None
- **11ths:** None
- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** {R, 2, 3}

- **7s:** None
- **Add9s:** {R, 2, 3, 5}
- **7sus4s:** None
- **Add4s:** {R, 2, 3, 6}
- **4 Note Clusters:** {R, 2, 3, 4}, {R, 2, 3, 7}

- **9ths:** {R, 2, 3, 5, 7}, {R, 2, 3, 4, 6}
- **6/9s:** {R, 2, 3, 5, 6}
- **5 Note Clusters:** {R, 2, 3, 4, 5}, {R, 2, 3, 6, 7}, {R, 2, 3, 4, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 2, 3, 4, 5, 6}, {R, 2, 3, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {4}, {5}, {6}, {7}

- **4ths/5ths:** {4, 7}
- **3rds/6ths:** {4, 6}, {5, 7}
- **2nds/7ths:** {4, 5}, {5, 6}, {6, 7}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** {4, 5, 7}
- **7no3s:** {4, 6, 7}
- **3 Note Clusters:** {4, 5, 6}, {5, 6, 7}

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** {4, 5, 6, 7}

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{2, 3, 4}

3 note cluster built on II.

Diatonic Interval Vector:

210

Subsets:

- **Silence:** {}
- **Scale Degrees:** {2}, {3}, {4}

- **4ths/5ths:** None
- **3rds/6ths:** {2, 4}
- **2nds/7ths:** {2, 3}, {3, 4}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** {2, 3, 4}

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** {2, 3, 4}

- **7s:** None
- **Add9s:** {2, 3, 4, 6}
- **7sus4s:** None
- **Add4s:** {2, 3, 4, 7}
- **4 Note Clusters:** {R, 2, 3, 4}, {2, 3, 4, 5}

- **9ths:** {R, 2, 3, 4, 6}, {2, 3, 4, 5, 7}
- **6/9s:** {2, 3, 4, 6, 7}
- **5 Note Clusters:** {R, 2, 3, 4, 5}, {2, 3, 4, 5, 6}, {R, 2, 3, 4, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 2, 3, 4, 5, 6}, {2, 3, 4, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {5}, {6}, {7}

- **4ths/5ths:** {R, 5}
- **3rds/6ths:** {5, 7}, {R, 6}
- **2nds/7ths:** {5, 6}, {6, 7}, {R, 7}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** {R, 5, 6}
- **7no3s:** {R, 5, 7}
- **3 Note Clusters:** {5, 6, 7}, {R, 6, 7}

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** {R, 5, 6, 7}

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{3, 4, 5}

3 note cluster built on III.

Diatonic Interval Vector:

210

Subsets:

- **Silence:** {}
- **Scale Degrees:** {3}, {4}, {5}
- **4ths/5ths:** None
- **3rds/6ths:** {3, 5}
- **2nds/7ths:** {3, 4}, {4, 5}
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** {3, 4, 5}
- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None
- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None
- **11ths:** None
- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** {3, 4, 5}

- **7s:** None
- **Add9s:** {3, 4, 5, 7}
- **7sus4s:** None
- **Add4s:** {R, 3, 4, 5}
- **4 Note Clusters:** {2, 3, 4, 5}, {3, 4, 5, 6}

- **9ths:** {2, 3, 4, 5, 7}, {R, 3, 4, 5, 6}
- **6/9s:** {R, 3, 4, 5, 7}
- **5 Note Clusters:** {R, 2, 3, 4, 5}, {2, 3, 4, 5, 6}, {3, 4, 5, 6, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 2, 3, 4, 5, 6}, {2, 3, 4, 5, 6, 7}, {R, 3, 4, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {2}, {6}, {7}

- **4ths/5ths:** {2, 6}
- **3rds/6ths:** {R, 6}, {2, 7}
- **2nds/7ths:** {R, 2}, {6, 7}, {R, 7}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** {2, 6, 7}
- **7no3s:** {R, 2, 6}
- **3 Note Clusters:** {R, 6, 7}, {R, 2, 7}

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** {R, 2, 6, 7}

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{4, 5, 6}

3 note cluster built on IV.

Diatonic Interval Vector:

210

Subsets:

- **Silence:** {}
- **Scale Degrees:** {4}, {5}, {6}
- **4ths/5ths:** None
- **3rds/6ths:** {4, 6}
- **2nds/7ths:** {4, 5}, {5, 6}
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** {4, 5, 6}
- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None
- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None
- **11ths:** None
- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** {4, 5, 6}

- **7s:** None
- **Add9s:** {R, 4, 5, 6}
- **7sus4s:** None
- **Add4s:** {2, 4, 5, 6}
- **4 Note Clusters:** {3, 4, 5, 6}, {4, 5, 6, 7}

- **9ths:** {R, 3, 4, 5, 6}, {2, 4, 5, 6, 7}
- **6/9s:** {R, 2, 4, 5, 6}
- **5 Note Clusters:** {2, 3, 4, 5, 6}, {3, 4, 5, 6, 7}, {R, 4, 5, 6, 7}

- **11ths:** {R, 2, 3, 4, 5, 6}, {2, 3, 4, 5, 6, 7}, {R, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {2}, {3}, {7}

- **4ths/5ths:** {3, 7}
- **3rds/6ths:** {R, 3}, {2, 7}
- **2nds/7ths:** {R, 2}, {2, 3}, {R, 7}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** {R, 3, 7}
- **7no3s:** {2, 3, 7}
- **3 Note Clusters:** {R, 2, 3}, {R, 2, 7}

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** {R, 2, 3, 7}

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{5, 6, 7}

3 note cluster built on V.

Diatonic Interval Vector:

210

Subsets:

- **Silence:** {}
- **Scale Degrees:** {5}, {6}, {7}
- **4ths/5ths:** None
- **3rds/6ths:** {5, 7}
- **2nds/7ths:** {5, 6}, {6, 7}
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** {5, 6, 7}
- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None
- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None
- **11ths:** None
- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** {5, 6, 7}

- **7s:** None
- **Add9s:** {2, 5, 6, 7}
- **7sus4s:** None
- **Add4s:** {3, 5, 6, 7}
- **4 Note Clusters:** {4, 5, 6, 7}, {R, 5, 6, 7}

- **9ths:** {2, 4, 5, 6, 7}, {R, 3, 5, 6, 7}
- **6/9s:** {2, 3, 5, 6, 7}
- **5 Note Clusters:** {3, 4, 5, 6, 7}, {R, 4, 5, 6, 7}, {R, 2, 5, 6, 7}

- **11ths:** {2, 3, 4, 5, 6, 7}, {R, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {2}, {3}, {4}

- **4ths/5ths:** {R, 4}
- **3rds/6ths:** {R, 3}, {2, 4}
- **2nds/7ths:** {R, 2}, {2, 3}, {3, 4}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** {R, 2, 4}
- **7no3s:** {R, 3, 4}
- **3 Note Clusters:** {R, 2, 3}, {2, 3, 4}

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** {R, 2, 3, 4}

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{R, 6, 7}

3 note cluster built on VI.

Diatonic Interval Vector:

210

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {6}, {7}

- **4ths/5ths:** None
- **3rds/6ths:** {R, 6}
- **2nds/7ths:** {6, 7}, {R, 7}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** {R, 6, 7}

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** {R, 6, 7}

- **7s:** None
- **Add9s:** {R, 3, 6, 7}
- **7sus4s:** None
- **Add4s:** {R, 4, 6, 7}
- **4 Note Clusters:** {R, 5, 6, 7}, {R, 2, 6, 7}

- **9ths:** {R, 3, 5, 6, 7}, {R, 2, 4, 6, 7}
- **6/9s:** {R, 3, 4, 6, 7}
- **5 Note Clusters:** {R, 4, 5, 6, 7}, {R, 2, 5, 6, 7}, {R, 2, 3, 6, 7}

- **11ths:** {R, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {2}, {3}, {4}, {5}

- **4ths/5ths:** {2, 5}
- **3rds/6ths:** {2, 4}, {3, 5}
- **2nds/7ths:** {2, 3}, {3, 4}, {4, 5}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** {2, 3, 5}
- **7no3s:** {2, 4, 5}
- **3 Note Clusters:** {2, 3, 4}, {3, 4, 5}

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** {2, 3, 4, 5}

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{R, 2, 7}

3 note cluster built on VII.

Diatonic Interval Vector:

210

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {2}, {7}
- **4ths/5ths:** None
- **3rds/6ths:** {2, 7}
- **2nds/7ths:** {R, 2}, {R, 7}
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** {R, 2, 7}
- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None
- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None
- **11ths:** None
- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** {R, 2, 7}

- **7s:** None
- **Add9s:** {R, 2, 4, 7}
- **7sus4s:** None
- **Add4s:** {R, 2, 5, 7}
- **4 Note Clusters:** {R, 2, 6, 7}, {R, 2, 3, 7}

- **9ths:** {R, 2, 3, 5, 7}, {R, 2, 4, 6, 7}
- **6/9s:** {R, 2, 4, 5, 7}
- **5 Note Clusters:** {R, 2, 5, 6, 7}, {R, 2, 3, 6, 7}, {R, 2, 3, 4, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {3}, {4}, {5}, {6}

- **4ths/5ths:** {3, 6}
- **3rds/6ths:** {3, 5}, {4, 6}
- **2nds/7ths:** {3, 4}, {4, 5}, {5, 6}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** {3, 4, 6}
- **7no3s:** {3, 5, 6}
- **3 Note Clusters:** {3, 4, 5}, {4, 5, 6}

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** {3, 4, 5, 6}

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Sets of 4 Notes

- <u>7ths</u>
- <u>Add9s</u>
- <u>7sus4s</u>
- <u>Add4s</u>
- <u>4 Note Clusters</u>

7ths on Each Degree

- **On I:** {R, 3, 5, 7}
- **On II:** {R, 2, 4, 6}
- **On III:** {2, 3, 5, 7}
- **On IV:** {R, 3, 4, 6}
- **On V:** {2, 4, 5, 7}
- **On VI:** {R, 3, 5, 6}
- **On VII:** {2, 4, 6, 7}

{R, 3, 5, 7}

7th built on I.

Diatonic Interval Vector:

132

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {3}, {5}, {7}

- **4ths/5ths:** {R, 5}, {3, 7}
- **3rds/6ths:** {R, 3}, {3, 5}, {5, 7}
- **2nds/7ths:** {R, 7}

- **Triads:** {R, 3, 5}, {3, 5, 7}
- **Sus2s:** None
- **7no5s:** {R, 3, 7}
- **7no3s:** {R, 5, 7}
- **3 Note Clusters:** None

- **7s:** {R, 3, 5, 7}
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** {R, 3, 5, 7}
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** {R, 2, 3, 5, 7}, {R, 3, 5, 6, 7}
- **6/9s:** {R, 3, 4, 5, 7}
- **5 Note Clusters:** None

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 3, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {2}, {4}, {6}

- **4ths/5ths:** {2, 6}
- **3rds/6ths:** {2, 4}, {4, 6}
- **2nds/7ths:** None

- **Triads:** {2, 4, 6}
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{R, 2, 4, 6}

7th built on II.

Diatonic Interval Vector:

132

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {2}, {4}, {6}

- **4ths/5ths:** {R, 4}, {2, 6}
- **3rds/6ths:** {2, 4}, {4, 6}, {R, 6}
- **2nds/7ths:** {R, 2}

- **Triads:** {2, 4, 6}, {R, 4, 6}
- **Sus2s:** None
- **7no5s:** {R, 2, 4}
- **7no3s:** {R, 2, 6}
- **3 Note Clusters:** None

- **7s:** {R, 2, 4, 6}
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** {R, 2, 4, 6}
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** {R, 2, 3, 4, 6}, {R, 2, 4, 6, 7}
- **6/9s:** {R, 2, 4, 5, 6}
- **5 Note Clusters:** None

- **11ths:** {R, 2, 3, 4, 5, 6}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {3}, {5}, {7}

- **4ths/5ths:** {3, 7}
- **3rds/6ths:** {3, 5}, {5, 7}
- **2nds/7ths:** None

- **Triads:** {3, 5, 7}
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{2, 3, 5, 7}

7th built on III.

Diatonic Interval Vector:

132

Subsets:

- **Silence:** {}
- **Scale Degrees:** {2}, {3}, {5}, {7}
- **4ths/5ths:** {2, 5}, {3, 7}
- **3rds/6ths:** {3, 5}, {5, 7}, {2, 7}
- **2nds/7ths:** {2, 3}
- **Triads:** {3, 5, 7}, {2, 5, 7}
- **Sus2s:** None
- **7no5s:** {2, 3, 5}
- **7no3s:** {2, 3, 7}
- **3 Note Clusters:** None
- **7s:** {2, 3, 5, 7}
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None
- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None
- **11ths:** None
- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** {2, 3, 5, 7}
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** {R, 2, 3, 5, 7}, {2, 3, 4, 5, 7}
- **6/9s:** {2, 3, 5, 6, 7}
- **5 Note Clusters:** None

- **11ths:** {R, 2, 3, 4, 5, 7}, {2, 3, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {4}, {6}

- **4ths/5ths:** {R, 4}
- **3rds/6ths:** {4, 6}, {R, 6}
- **2nds/7ths:** None

- **Triads:** {R, 4, 6}
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{R, 3, 4, 6}

7th built on IV.

Diatonic Interval Vector:

132

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {3}, {4}, {6}

- **4ths/5ths:** {R, 4}, {3, 6}
- **3rds/6ths:** {R, 3}, {4, 6}, {R, 6}
- **2nds/7ths:** {3, 4}

- **Triads:** {R, 4, 6}, {R, 3, 6}
- **Sus2s:** None
- **7no5s:** {3, 4, 6}
- **7no3s:** {R, 3, 4}
- **3 Note Clusters:** None

- **7s:** {R, 3, 4, 6}
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** {R, 3, 4, 6}
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** {R, 2, 3, 4, 6}, {R, 3, 4, 5, 6}
- **6/9s:** {R, 3, 4, 6, 7}
- **5 Note Clusters:** None

- **11ths:** {R, 2, 3, 4, 5, 6}, {R, 3, 4, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {2}, {5}, {7}

- **4ths/5ths:** {2, 5}
- **3rds/6ths:** {5, 7}, {2, 7}
- **2nds/7ths:** None

- **Triads:** {2, 5, 7}
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{2, 4, 5, 7}

7th built on V.

Diatonic Interval Vector:

132

Subsets:

- **Silence:** {}
- **Scale Degrees:** {2}, {4}, {5}, {7}
- **4ths/5ths:** {2, 5}, {4, 7}
- **3rds/6ths:** {2, 4}, {5, 7}, {2, 7}
- **2nds/7ths:** {4, 5}
- **Triads:** {2, 5, 7}, {2, 4, 7}
- **Sus2s:** None
- **7no5s:** {4, 5, 7}
- **7no3s:** {2, 4, 5}
- **3 Note Clusters:** None

- **7s:** {2, 4, 5, 7}
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** {2, 4, 5, 7}
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** {2, 3, 4, 5, 7}, {2, 4, 5, 6, 7}
- **6/9s:** {R, 2, 4, 5, 7}
- **5 Note Clusters:** None

- **11ths:** {R, 2, 3, 4, 5, 7}, {2, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {3}, {6}

- **4ths/5ths:** {3, 6}
- **3rds/6ths:** {R, 3}, {R, 6}
- **2nds/7ths:** None

- **Triads:** {R, 3, 6}
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{R, 3, 5, 6}

7th built on VI.

Diatonic Interval Vector:

132

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {3}, {5}, {6}
- **4ths/5ths:** {3, 6}, {R, 5}
- **3rds/6ths:** {R, 3}, {3, 5}, {R, 6}
- **2nds/7ths:** {5, 6}
- **Triads:** {R, 3, 5}, {R, 3, 6}
- **Sus2s:** None
- **7no5s:** {R, 5, 6}
- **7no3s:** {3, 5, 6}
- **3 Note Clusters:** None

- **7s:** {R, 3, 5, 6}
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** {R, 3, 5, 6}
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** {R, 3, 4, 5, 6}, {R, 3, 5, 6, 7}
- **6/9s:** {R, 2, 3, 5, 6}
- **5 Note Clusters:** None

- **11ths:** {R, 2, 3, 4, 5, 6}, {R, 3, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {2}, {4}, {7}

- **4ths/5ths:** {4, 7}
- **3rds/6ths:** {2, 4}, {2, 7}
- **2nds/7ths:** None

- **Triads:** {2, 4, 7}
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{2, 4, 6, 7}

7th built on VII.

Diatonic Interval Vector:

132

Subsets:

- **Silence:** {}
- **Scale Degrees:** {2}, {4}, {6}, {7}

- **4ths/5ths:** {4, 7}, {2, 6}
- **3rds/6ths:** {2, 4}, {4, 6}, {2, 7}
- **2nds/7ths:** {6, 7}

- **Triads:** {2, 4, 6}, {2, 4, 7}
- **Sus2s:** None
- **7no5s:** {2, 6, 7}
- **7no3s:** {4, 6, 7}
- **3 Note Clusters:** None

- **7s:** {2, 4, 6, 7}
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** {2, 4, 6, 7}
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** {2, 4, 5, 6, 7}, {R, 2, 4, 6, 7}
- **6/9s:** {2, 3, 4, 6, 7}
- **5 Note Clusters:** None

- **11ths:** {2, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {3}, {5}

- **4ths/5ths:** {R, 5}
- **3rds/6ths:** {R, 3}, {3, 5}
- **2nds/7ths:** None

- **Triads:** {R, 3, 5}
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Add9s on Each Degree

- **On I:** {R, 2, 3, 5}
- **On II:** {2, 3, 4, 6}
- **On III:** {3, 4, 5, 7}
- **On IV:** {R, 4, 5, 6}
- **On V:** {2, 5, 6, 7}
- **On VI:** {R, 3, 6, 7}
- **On VII:** {R, 2, 4, 7}

{R, 2, 3, 5}

Add9 built on I.

Diatonic Interval Vector:

222

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {2}, {3}, {5}

- **4ths/5ths:** {2, 5}, {R, 5}
- **3rds/6ths:** {R, 3}, {3, 5}
- **2nds/7ths:** {R, 2}, {2, 3}

- **Triads:** {R, 3, 5}
- **Sus2s:** {R, 2, 5}
- **7no5s:** {2, 3, 5}
- **7no3s:** None
- **3 Note Clusters:** {R, 2, 3}

- **7s:** None
- **Add9s:** {R, 2, 3, 5}
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** {R, 2, 3, 5}
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** {R, 2, 3, 5, 7}
- **6/9s:** {R, 2, 3, 5, 6}
- **5 Note Clusters:** {R, 2, 3, 4, 5}

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 2, 3, 4, 5, 6}, {R, 2, 3, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {4}, {6}, {7}

- **4ths/5ths:** {4, 7}
- **3rds/6ths:** {4, 6}
- **2nds/7ths:** {6, 7}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** {4, 6, 7}
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{2, 3, 4, 6}

Add9 built on II.

Diatonic Interval Vector:

222

Subsets:

- **Silence:** {}
- **Scale Degrees:** {2}, {3}, {4}, {6}
- **4ths/5ths:** {3, 6}, {2, 6}
- **3rds/6ths:** {2, 4}, {4, 6}
- **2nds/7ths:** {2, 3}, {3, 4}
- **Triads:** {2, 4, 6}
- **Sus2s:** {2, 3, 6}
- **7no5s:** {3, 4, 6}
- **7no3s:** None
- **3 Note Clusters:** {2, 3, 4}
- **7s:** None
- **Add9s:** {2, 3, 4, 6}
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None
- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None
- **11ths:** None
- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** {2, 3, 4, 6}
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** {R, 2, 3, 4, 6}
- **6/9s:** {2, 3, 4, 6, 7}
- **5 Note Clusters:** {2, 3, 4, 5, 6}

- **11ths:** {R, 2, 3, 4, 5, 6}, {2, 3, 4, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {5}, {7}

- **4ths/5ths:** {R, 5}
- **3rds/6ths:** {5, 7}
- **2nds/7ths:** {R, 7}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** {R, 5, 7}
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{3, 4, 5, 7}

Add9 built on III.

Diatonic Interval Vector:

222

Subsets:

- **Silence:** {}
- **Scale Degrees:** {3}, {4}, {5}, {7}
- **4ths/5ths:** {4, 7}, {3, 7}
- **3rds/6ths:** {3, 5}, {5, 7}
- **2nds/7ths:** {3, 4}, {4, 5}
- **Triads:** {3, 5, 7}
- **Sus2s:** {3, 4, 7}
- **7no5s:** {4, 5, 7}
- **7no3s:** None
- **3 Note Clusters:** {3, 4, 5}
- **7s:** None
- **Add9s:** {3, 4, 5, 7}
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None
- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None
- **11ths:** None
- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** {3, 4, 5, 7}
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** {2, 3, 4, 5, 7}
- **6/9s:** {R, 3, 4, 5, 7}
- **5 Note Clusters:** {3, 4, 5, 6, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {2, 3, 4, 5, 6, 7}, {R, 3, 4, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {2}, {6}

- **4ths/5ths:** {2, 6}
- **3rds/6ths:** {R, 6}
- **2nds/7ths:** {R, 2}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** {R, 2, 6}
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{R, 4, 5, 6}

Add9 built on IV.

Diatonic Interval Vector:

222

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {4}, {5}, {6}

- **4ths/5ths:** {R, 4}, {R, 5}
- **3rds/6ths:** {4, 6}, {R, 6}
- **2nds/7ths:** {4, 5}, {5, 6}

- **Triads:** {R, 4, 6}
- **Sus2s:** {R, 4, 5}
- **7no5s:** {R, 5, 6}
- **7no3s:** None
- **3 Note Clusters:** {4, 5, 6}

- **7s:** None
- **Add9s:** {R, 4, 5, 6}
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** {R, 4, 5, 6}
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** {R, 3, 4, 5, 6}
- **6/9s:** {R, 2, 4, 5, 6}
- **5 Note Clusters:** {R, 4, 5, 6, 7}

- **11ths:** {R, 2, 3, 4, 5, 6}, {R, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {2}, {3}, {7}

- **4ths/5ths:** {3, 7}
- **3rds/6ths:** {2, 7}
- **2nds/7ths:** {2, 3}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** {2, 3, 7}
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{2, 5, 6, 7}

Add9 built on V.

Diatonic Interval Vector:

222

Subsets:

- **Silence:** {}
- **Scale Degrees:** {2}, {5}, {6}, {7}

- **4ths/5ths:** {2, 5}, {2, 6}
- **3rds/6ths:** {5, 7}, {2, 7}
- **2nds/7ths:** {5, 6}, {6, 7}

- **Triads:** {2, 5, 7}
- **Sus2s:** {2, 5, 6}
- **7no5s:** {2, 6, 7}
- **7no3s:** None
- **3 Note Clusters:** {5, 6, 7}

- **7s:** None
- **Add9s:** {2, 5, 6, 7}
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** {2, 5, 6, 7}
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** {2, 4, 5, 6, 7}
- **6/9s:** {2, 3, 5, 6, 7}
- **5 Note Clusters:** {R, 2, 5, 6, 7}

- **11ths:** {2, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {3}, {4}

- **4ths/5ths:** {R, 4}
- **3rds/6ths:** {R, 3}
- **2nds/7ths:** {3, 4}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** {R, 3, 4}
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{R, 3, 6, 7}

Add9 built on VI.

Diatonic Interval Vector:

222

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {3}, {6}, {7}

- **4ths/5ths:** {3, 6}, {3, 7}
- **3rds/6ths:** {R, 3}, {R, 6}
- **2nds/7ths:** {6, 7}, {R, 7}

- **Triads:** {R, 3, 6}
- **Sus2s:** {3, 6, 7}
- **7no5s:** {R, 3, 7}
- **7no3s:** None
- **3 Note Clusters:** {R, 6, 7}

- **7s:** None
- **Add9s:** {R, 3, 6, 7}
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** {R, 3, 6, 7}
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** {R, 3, 5, 6, 7}
- **6/9s:** {R, 3, 4, 6, 7}
- **5 Note Clusters:** {R, 2, 3, 6, 7}

- **11ths:** {R, 3, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {2}, {4}, {5}

- **4ths/5ths:** {2, 5}
- **3rds/6ths:** {2, 4}
- **2nds/7ths:** {4, 5}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** {2, 4, 5}
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{R, 2, 4, 7}

Add9 built on VII.

Diatonic Interval Vector:

222

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {2}, {4}, {7}

- **4ths/5ths:** {R, 4}, {4, 7}
- **3rds/6ths:** {2, 4}, {2, 7}
- **2nds/7ths:** {R, 2}, {R, 7}

- **Triads:** {2, 4, 7}
- **Sus2s:** {R, 4, 7}
- **7no5s:** {R, 2, 4}
- **7no3s:** None
- **3 Note Clusters:** {R, 2, 7}

- **7s:** None
- **Add9s:** {R, 2, 4, 7}
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** {R, 2, 4, 7}
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** {R, 2, 4, 6, 7}
- **6/9s:** {R, 2, 4, 5, 7}
- **5 Note Clusters:** {R, 2, 3, 4, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {3}, {5}, {6}

- **4ths/5ths:** {3, 6}
- **3rds/6ths:** {3, 5}
- **2nds/7ths:** {5, 6}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** {3, 5, 6}
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

7sus4s on Each Degree

- **On I:** {R, 4, 5, 7}
- **On II:** {R, 2, 5, 6}
- **On III:** {2, 3, 6, 7}
- **On IV:** {R, 3, 4, 7}
- **On V:** {R, 2, 4, 5}
- **On VI:** {2, 3, 5, 6}
- **On VII:** {3, 4, 6, 7}

{R, 4, 5, 7}

7sus4 built on I.

Diatonic Interval Vector:

213

Subsets:

- **Silence:** {}

- **Scale Degrees:** {R}, {4}, {5}, {7}

- **4ths/5ths:** {R, 4}, {4, 7}, {R, 5}
- **3rds/6ths:** {5, 7}
- **2nds/7ths:** {4, 5}, {R, 7}

- **Triads:** None
- **Sus2s:** {R, 4, 5}, {R, 4, 7}
- **7no5s:** {4, 5, 7}
- **7no3s:** {R, 5, 7}
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** {R, 4, 5, 7}
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** {R, 4, 5, 7}
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** {R, 3, 4, 5, 7}, {R, 2, 4, 5, 7}
- **5 Note Clusters:** {R, 4, 5, 6, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {2}, {3}, {6}

- **4ths/5ths:** {3, 6}, {2, 6}
- **3rds/6ths:** None
- **2nds/7ths:** {2, 3}

- **Triads:** None
- **Sus2s:** {2, 3, 6}
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{R, 2, 5, 6}

7sus4 built on II.

Diatonic Interval Vector:

213

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {2}, {5}, {6}

- **4ths/5ths:** {2, 5}, {R, 5}, {2, 6}
- **3rds/6ths:** {R, 6}
- **2nds/7ths:** {R, 2}, {5, 6}

- **Triads:** None
- **Sus2s:** {R, 2, 5}, {2, 5, 6}
- **7no5s:** {R, 5, 6}
- **7no3s:** {R, 2, 6}
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** {R, 2, 5, 6}
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** {R, 2, 5, 6}
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** {R, 2, 3, 5, 6}, {R, 2, 4, 5, 6}
- **5 Note Clusters:** {R, 2, 5, 6, 7}

- **11ths:** {R, 2, 3, 4, 5, 6}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {3}, {4}, {7}

- **4ths/5ths:** {4, 7}, {3, 7}
- **3rds/6ths:** None
- **2nds/7ths:** {3, 4}

- **Triads:** None
- **Sus2s:** {3, 4, 7}
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{2, 3, 6, 7}

7sus4 built on III.

Diatonic Interval Vector:

213

Subsets:

- **Silence:** {}

- **Scale Degrees:** {2}, {3}, {6}, {7}

- **4ths/5ths:** {3, 6}, {2, 6}, {3, 7}
- **3rds/6ths:** {2, 7}
- **2nds/7ths:** {2, 3}, {6, 7}

- **Triads:** None
- **Sus2s:** {2, 3, 6}, {3, 6, 7}
- **7no5s:** {2, 6, 7}
- **7no3s:** {2, 3, 7}
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** {2, 3, 6, 7}
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** {2, 3, 6, 7}
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** {2, 3, 4, 6, 7}, {2, 3, 5, 6, 7}
- **5 Note Clusters:** {R, 2, 3, 6, 7}

- **11ths:** {2, 3, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {4}, {5}

- **4ths/5ths:** {R, 4}, {R, 5}
- **3rds/6ths:** None
- **2nds/7ths:** {4, 5}

- **Triads:** None
- **Sus2s:** {R, 4, 5}
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{R, 3, 4, 7}

7sus4 built on IV.

Diatonic Interval Vector:

213

Subsets:

- **Silence:** {}

- **Scale Degrees:** {R}, {3}, {4}, {7}

- **4ths/5ths:** {R, 4}, {4, 7}, {3, 7}
- **3rds/6ths:** {R, 3}
- **2nds/7ths:** {3, 4}, {R, 7}

- **Triads:** None
- **Sus2s:** {3, 4, 7}, {R, 4, 7}
- **7no5s:** {R, 3, 7}
- **7no3s:** {R, 3, 4}
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** {R, 3, 4, 7}
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** {R, 3, 4, 7}
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** {R, 3, 4, 5, 7}, {R, 3, 4, 6, 7}
- **5 Note Clusters:** {R, 2, 3, 4, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 3, 4, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {2}, {5}, {6}

- **4ths/5ths:** {2, 5}, {2, 6}
- **3rds/6ths:** None
- **2nds/7ths:** {5, 6}

- **Triads:** None
- **Sus2s:** {2, 5, 6}
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{R, 2, 4, 5}

7sus4 built on V.

Diatonic Interval Vector:

213

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {2}, {4}, {5}
- **4ths/5ths:** {R, 4}, {2, 5}, {R, 5}
- **3rds/6ths:** {2, 4}
- **2nds/7ths:** {R, 2}, {4, 5}
- **Triads:** None
- **Sus2s:** {R, 2, 5}, {R, 4, 5}
- **7no5s:** {R, 2, 4}
- **7no3s:** {2, 4, 5}
- **3 Note Clusters:** None
- **7s:** None
- **Add9s:** None
- **7sus4s:** {R, 2, 4, 5}
- **Add4s:** None
- **4 Note Clusters:** None
- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None
- **11ths:** None
- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** {R, 2, 4, 5}
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** {R, 2, 4, 5, 6}, {R, 2, 4, 5, 7}
- **5 Note Clusters:** {R, 2, 3, 4, 5}

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 2, 3, 4, 5, 6}, {R, 2, 4, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {3}, {6}, {7}

- **4ths/5ths:** {3, 6}, {3, 7}
- **3rds/6ths:** None
- **2nds/7ths:** {6, 7}

- **Triads:** None
- **Sus2s:** {3, 6, 7}
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{2, 3, 5, 6}

7sus4 built on VI.

Diatonic Interval Vector:

213

Subsets:

- **Silence:** {}
- **Scale Degrees:** {2}, {3}, {5}, {6}
- **4ths/5ths:** {2, 5}, {3, 6}, {2, 6}
- **3rds/6ths:** {3, 5}
- **2nds/7ths:** {2, 3}, {5, 6}
- **Triads:** None
- **Sus2s:** {2, 3, 6}, {2, 5, 6}
- **7no5s:** {2, 3, 5}
- **7no3s:** {3, 5, 6}
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** {2, 3, 5, 6}
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** {2, 3, 5, 6}
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** {R, 2, 3, 5, 6}, {2, 3, 5, 6, 7}
- **5 Note Clusters:** {2, 3, 4, 5, 6}

- **11ths:** {R, 2, 3, 4, 5, 6}, {2, 3, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {4}, {7}

- **4ths/5ths:** {R, 4}, {4, 7}
- **3rds/6ths:** None
- **2nds/7ths:** {R, 7}

- **Triads:** None
- **Sus2s:** {R, 4, 7}
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{3, 4, 6, 7}

7sus4 built on VII.

Diatonic Interval Vector:

213

Subsets:

- **Silence:** {}
- **Scale Degrees:** {3}, {4}, {6}, {7}

- **4ths/5ths:** {3, 6}, {4, 7}, {3, 7}
- **3rds/6ths:** {4, 6}
- **2nds/7ths:** {3, 4}, {6, 7}

- **Triads:** None
- **Sus2s:** {3, 4, 7}, {3, 6, 7}
- **7no5s:** {3, 4, 6}
- **7no3s:** {4, 6, 7}
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** {3, 4, 6, 7}
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** {3, 4, 6, 7}
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** {2, 3, 4, 6, 7}, {R, 3, 4, 6, 7}
- **5 Note Clusters:** {3, 4, 5, 6, 7}

- **11ths:** {2, 3, 4, 5, 6, 7}, {R, 3, 4, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {2}, {5}

- **4ths/5ths:** {2, 5}, {R, 5}
- **3rds/6ths:** None
- **2nds/7ths:** {R, 2}

- **Triads:** None
- **Sus2s:** {R, 2, 5}
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Add4s on Each Degree

- **On I:** {R, 3, 4, 5}
- **On II:** {2, 4, 5, 6}
- **On III:** {3, 5, 6, 7}
- **On IV:** {R, 4, 6, 7}
- **On V:** {R, 2, 5, 7}
- **On VI:** {R, 2, 3, 6}
- **On VII:** {2, 3, 4, 7}

{R, 3, 4, 5}

Add4 built on I.

Diatonic Interval Vector:

222

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {3}, {4}, {5}

- **4ths/5ths:** {R, 4}, {R, 5}
- **3rds/6ths:** {R, 3}, {3, 5}
- **2nds/7ths:** {3, 4}, {4, 5}

- **Triads:** {R, 3, 5}
- **Sus2s:** {R, 4, 5}
- **7no5s:** None
- **7no3s:** {R, 3, 4}
- **3 Note Clusters:** {3, 4, 5}

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** {R, 3, 4, 5}
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** {R, 3, 4, 5}
- **4 Note Clusters:** None

- **9ths:** {R, 3, 4, 5, 6}
- **6/9s:** {R, 3, 4, 5, 7}
- **5 Note Clusters:** {R, 2, 3, 4, 5}

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 2, 3, 4, 5, 6}, {R, 3, 4, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {2}, {6}, {7}

- **4ths/5ths:** {2, 6}
- **3rds/6ths:** {2, 7}
- **2nds/7ths:** {6, 7}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** {2, 6, 7}
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{2, 4, 5, 6}

Add4 built on II.

Diatonic Interval Vector:

222

Subsets:

- **Silence:** {}
- **Scale Degrees:** {2}, {4}, {5}, {6}
- **4ths/5ths:** {2, 5}, {2, 6}
- **3rds/6ths:** {2, 4}, {4, 6}
- **2nds/7ths:** {4, 5}, {5, 6}
- **Triads:** {2, 4, 6}
- **Sus2s:** {2, 5, 6}
- **7no5s:** None
- **7no3s:** {2, 4, 5}
- **3 Note Clusters:** {4, 5, 6}
- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** {2, 4, 5, 6}
- **4 Note Clusters:** None
- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None
- **11ths:** None
- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** {2, 4, 5, 6}
- **4 Note Clusters:** None

- **9ths:** {2, 4, 5, 6, 7}
- **6/9s:** {R, 2, 4, 5, 6}
- **5 Note Clusters:** {2, 3, 4, 5, 6}

- **11ths:** {R, 2, 3, 4, 5, 6}, {2, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {3}, {7}

- **4ths/5ths:** {3, 7}
- **3rds/6ths:** {R, 3}
- **2nds/7ths:** {R, 7}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** {R, 3, 7}
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{3, 5, 6, 7}
Add4 built on III.

Diatonic Interval Vector:

222

Subsets:

- **Silence:** {}
- **Scale Degrees:** {3}, {5}, {6}, {7}
- **4ths/5ths:** {3, 6}, {3, 7}
- **3rds/6ths:** {3, 5}, {5, 7}
- **2nds/7ths:** {5, 6}, {6, 7}
- **Triads:** {3, 5, 7}
- **Sus2s:** {3, 6, 7}
- **7no5s:** None
- **7no3s:** {3, 5, 6}
- **3 Note Clusters:** {5, 6, 7}
- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** {3, 5, 6, 7}
- **4 Note Clusters:** None
- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None
- **11ths:** None
- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** {3, 5, 6, 7}
- **4 Note Clusters:** None

- **9ths:** {R, 3, 5, 6, 7}
- **6/9s:** {2, 3, 5, 6, 7}
- **5 Note Clusters:** {3, 4, 5, 6, 7}

- **11ths:** {2, 3, 4, 5, 6, 7}, {R, 3, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {2}, {4}

- **4ths/5ths:** {R, 4}
- **3rds/6ths:** {2, 4}
- **2nds/7ths:** {R, 2}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** {R, 2, 4}
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{R, 4, 6, 7}
Add4 built on IV.

Diatonic Interval Vector:

222

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {4}, {6}, {7}

- **4ths/5ths:** {R, 4}, {4, 7}
- **3rds/6ths:** {4, 6}, {R, 6}
- **2nds/7ths:** {6, 7}, {R, 7}

- **Triads:** {R, 4, 6}
- **Sus2s:** {R, 4, 7}
- **7no5s:** None
- **7no3s:** {4, 6, 7}
- **3 Note Clusters:** {R, 6, 7}

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** {R, 4, 6, 7}
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** {R, 4, 6, 7}
- **4 Note Clusters:** None

- **9ths:** {R, 2, 4, 6, 7}
- **6/9s:** {R, 3, 4, 6, 7}
- **5 Note Clusters:** {R, 4, 5, 6, 7}

- **11ths:** {R, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {2}, {3}, {5}

- **4ths/5ths:** {2, 5}
- **3rds/6ths:** {3, 5}
- **2nds/7ths:** {2, 3}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** {2, 3, 5}
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{R, 2, 5, 7}

Add4 built on V.

Diatonic Interval Vector:

222

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {2}, {5}, {7}
- **4ths/5ths:** {2, 5}, {R, 5}
- **3rds/6ths:** {5, 7}, {2, 7}
- **2nds/7ths:** {R, 2}, {R, 7}
- **Triads:** {2, 5, 7}
- **Sus2s:** {R, 2, 5}
- **7no5s:** None
- **7no3s:** {R, 5, 7}
- **3 Note Clusters:** {R, 2, 7}
- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** {R, 2, 5, 7}
- **4 Note Clusters:** None
- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None
- **11ths:** None
- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** {R, 2, 5, 7}
- **4 Note Clusters:** None

- **9ths:** {R, 2, 3, 5, 7}
- **6/9s:** {R, 2, 4, 5, 7}
- **5 Note Clusters:** {R, 2, 5, 6, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {3}, {4}, {6}

- **4ths/5ths:** {3, 6}
- **3rds/6ths:** {4, 6}
- **2nds/7ths:** {3, 4}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** {3, 4, 6}
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{R, 2, 3, 6}

Add4 built on VI.

Diatonic Interval Vector:

222

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {2}, {3}, {6}
- **4ths/5ths:** {3, 6}, {2, 6}
- **3rds/6ths:** {R, 3}, {R, 6}
- **2nds/7ths:** {R, 2}, {2, 3}
- **Triads:** {R, 3, 6}
- **Sus2s:** {2, 3, 6}
- **7no5s:** None
- **7no3s:** {R, 2, 6}
- **3 Note Clusters:** {R, 2, 3}
- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** {R, 2, 3, 6}
- **4 Note Clusters:** None
- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None
- **11ths:** None
- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** {R, 2, 3, 6}
- **4 Note Clusters:** None

- **9ths:** {R, 2, 3, 4, 6}
- **6/9s:** {R, 2, 3, 5, 6}
- **5 Note Clusters:** {R, 2, 3, 6, 7}

- **11ths:** {R, 2, 3, 4, 5, 6}, {R, 2, 3, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {4}, {5}, {7}

- **4ths/5ths:** {4, 7}
- **3rds/6ths:** {5, 7}
- **2nds/7ths:** {4, 5}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** {4, 5, 7}
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{2, 3, 4, 7}
Add4 built on VII.

Diatonic Interval Vector:
222

Subsets:

- **Silence:** {}
- **Scale Degrees:** {2}, {3}, {4}, {7}

- **4ths/5ths:** {4, 7}, {3, 7}
- **3rds/6ths:** {2, 4}, {2, 7}
- **2nds/7ths:** {2, 3}, {3, 4}

- **Triads:** {2, 4, 7}
- **Sus2s:** {3, 4, 7}
- **7no5s:** None
- **7no3s:** {2, 3, 7}
- **3 Note Clusters:** {2, 3, 4}

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** {2, 3, 4, 7}
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** {2, 3, 4, 7}
- **4 Note Clusters:** None

- **9ths:** {2, 3, 4, 5, 7}
- **6/9s:** {2, 3, 4, 6, 7}
- **5 Note Clusters:** {R, 2, 3, 4, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {2, 3, 4, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {5}, {6}

- **4ths/5ths:** {R, 5}
- **3rds/6ths:** {R, 6}
- **2nds/7ths:** {5, 6}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** {R, 5, 6}
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

4 Note Clusters on Each Degree

- **On I:** {R, 2, 3, 4}
- **On II:** {2, 3, 4, 5}
- **On III:** {3, 4, 5, 6}
- **On IV:** {4, 5, 6, 7}
- **On V:** {R, 5, 6, 7}
- **On VI:** {R, 2, 6, 7}
- **On VII:** {R, 2, 3, 7}

{R, 2, 3, 4}

4 note cluster built on I.

Diatonic Interval Vector:

321

Subsets:

- **Silence:** {}

- **Scale Degrees:** {R}, {2}, {3}, {4}

- **4ths/5ths:** {R, 4}
- **3rds/6ths:** {R, 3}, {2, 4}
- **2nds/7ths:** {R, 2}, {2, 3}, {3, 4}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** {R, 2, 4}
- **7no3s:** {R, 3, 4}
- **3 Note Clusters:** {R, 2, 3}, {2, 3, 4}

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** {R, 2, 3, 4}

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** {R, 2, 3, 4}

- **9ths:** {R, 2, 3, 4, 6}
- **6/9s:** None
- **5 Note Clusters:** {R, 2, 3, 4, 5}, {R, 2, 3, 4, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 2, 3, 4, 5, 6}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {5}, {6}, {7}

- **4ths/5ths:** None
- **3rds/6ths:** {5, 7}
- **2nds/7ths:** {5, 6}, {6, 7}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** {5, 6, 7}

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{2, 3, 4, 5}

4 note cluster built on II.

Diatonic Interval Vector:

321

Subsets:

- **Silence:** {}
- **Scale Degrees:** {2}, {3}, {4}, {5}
- **4ths/5ths:** {2, 5}
- **3rds/6ths:** {2, 4}, {3, 5}
- **2nds/7ths:** {2, 3}, {3, 4}, {4, 5}
- **Triads:** None
- **Sus2s:** None
- **7no5s:** {2, 3, 5}
- **7no3s:** {2, 4, 5}
- **3 Note Clusters:** {2, 3, 4}, {3, 4, 5}
- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** {2, 3, 4, 5}
- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None
- **11ths:** None
- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** {2, 3, 4, 5}

- **9ths:** {2, 3, 4, 5, 7}
- **6/9s:** None
- **5 Note Clusters:** {R, 2, 3, 4, 5}, {2, 3, 4, 5, 6}

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 2, 3, 4, 5, 6}, {2, 3, 4, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {6}, {7}

- **4ths/5ths:** None
- **3rds/6ths:** {R, 6}
- **2nds/7ths:** {6, 7}, {R, 7}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** {R, 6, 7}

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{3, 4, 5, 6}

4 note cluster built on III.

Diatonic Interval Vector:

321

Subsets:

- **Silence:** {}
- **Scale Degrees:** {3}, {4}, {5}, {6}
- **4ths/5ths:** {3, 6}
- **3rds/6ths:** {3, 5}, {4, 6}
- **2nds/7ths:** {3, 4}, {4, 5}, {5, 6}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** {3, 4, 6}
- **7no3s:** {3, 5, 6}
- **3 Note Clusters:** {3, 4, 5}, {4, 5, 6}

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** {3, 4, 5, 6}

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** {3, 4, 5, 6}

- **9ths:** {R, 3, 4, 5, 6}
- **6/9s:** None
- **5 Note Clusters:** {2, 3, 4, 5, 6}, {3, 4, 5, 6, 7}

- **11ths:** {R, 2, 3, 4, 5, 6}, {2, 3, 4, 5, 6, 7}, {R, 3, 4, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {2}, {7}

- **4ths/5ths:** None
- **3rds/6ths:** {2, 7}
- **2nds/7ths:** {R, 2}, {R, 7}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** {R, 2, 7}

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{4, 5, 6, 7}

4 note cluster built on IV.

Diatonic Interval Vector:

321

Subsets:

- **Silence:** {}
- **Scale Degrees:** {4}, {5}, {6}, {7}

- **4ths/5ths:** {4, 7}
- **3rds/6ths:** {4, 6}, {5, 7}
- **2nds/7ths:** {4, 5}, {5, 6}, {6, 7}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** {4, 5, 7}
- **7no3s:** {4, 6, 7}
- **3 Note Clusters:** {4, 5, 6}, {5, 6, 7}

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** {4, 5, 6, 7}

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** {4, 5, 6, 7}

- **9ths:** {2, 4, 5, 6, 7}
- **6/9s:** None
- **5 Note Clusters:** {3, 4, 5, 6, 7}, {R, 4, 5, 6, 7}

- **11ths:** {2, 3, 4, 5, 6, 7}, {R, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {2}, {3}

- **4ths/5ths:** None
- **3rds/6ths:** {R, 3}
- **2nds/7ths:** {R, 2}, {2, 3}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** {R, 2, 3}

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{R, 5, 6, 7}

4 note cluster built on V.

Diatonic Interval Vector:

321

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {5}, {6}, {7}
- **4ths/5ths:** {R, 5}
- **3rds/6ths:** {5, 7}, {R, 6}
- **2nds/7ths:** {5, 6}, {6, 7}, {R, 7}
- **Triads:** None
- **Sus2s:** None
- **7no5s:** {R, 5, 6}
- **7no3s:** {R, 5, 7}
- **3 Note Clusters:** {5, 6, 7}, {R, 6, 7}
- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** {R, 5, 6, 7}
- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None
- **11ths:** None
- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** {R, 5, 6, 7}

- **9ths:** {R, 3, 5, 6, 7}
- **6/9s:** None
- **5 Note Clusters:** {R, 4, 5, 6, 7}, {R, 2, 5, 6, 7}

- **11ths:** {R, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {2}, {3}, {4}

- **4ths/5ths:** None
- **3rds/6ths:** {2, 4}
- **2nds/7ths:** {2, 3}, {3, 4}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** {2, 3, 4}

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{R, 2, 6, 7}

4 note cluster built on VI.

Diatonic Interval Vector:

321

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {2}, {6}, {7}
- **4ths/5ths:** {2, 6}
- **3rds/6ths:** {R, 6}, {2, 7}
- **2nds/7ths:** {R, 2}, {6, 7}, {R, 7}
- **Triads:** None
- **Sus2s:** None
- **7no5s:** {2, 6, 7}
- **7no3s:** {R, 2, 6}
- **3 Note Clusters:** {R, 6, 7}, {R, 2, 7}
- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** {R, 2, 6, 7}
- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None
- **11ths:** None
- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** {R, 2, 6, 7}

- **9ths:** {R, 2, 4, 6, 7}
- **6/9s:** None
- **5 Note Clusters:** {R, 2, 5, 6, 7}, {R, 2, 3, 6, 7}

- **11ths:** {R, 2, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {3}, {4}, {5}

- **4ths/5ths:** None
- **3rds/6ths:** {3, 5}
- **2nds/7ths:** {3, 4}, {4, 5}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** {3, 4, 5}

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{R, 2, 3, 7}

4 note cluster built on VII.

Diatonic Interval Vector:

321

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {2}, {3}, {7}
- **4ths/5ths:** {3, 7}
- **3rds/6ths:** {R, 3}, {2, 7}
- **2nds/7ths:** {R, 2}, {2, 3}, {R, 7}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** {R, 3, 7}
- **7no3s:** {2, 3, 7}
- **3 Note Clusters:** {R, 2, 3}, {R, 2, 7}

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** {R, 2, 3, 7}

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** {R, 2, 3, 7}

- **9ths:** {R, 2, 3, 5, 7}
- **6/9s:** None
- **5 Note Clusters:** {R, 2, 3, 6, 7}, {R, 2, 3, 4, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 2, 3, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {4}, {5}, {6}

- **4ths/5ths:** None
- **3rds/6ths:** {4, 6}
- **2nds/7ths:** {4, 5}, {5, 6}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** {4, 5, 6}

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Sets of 5 Notes

- 9ths
- 6/9s
- 5 Note Clusters

9ths on Each Degree

- **On I:** {R, 2, 3, 5, 7}
- **On II:** {R, 2, 3, 4, 6}
- **On III:** {2, 3, 4, 5, 7}
- **On IV:** {R, 3, 4, 5, 6}
- **On V:** {2, 4, 5, 6, 7}
- **On VI:** {R, 3, 5, 6, 7}
- **On VII:** {R, 2, 4, 6, 7}

{R, 2, 3, 5, 7}

9th built on I.

Diatonic Interval Vector:

343

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {2}, {3}, {5}, {7}

- **4ths/5ths:** {2, 5}, {R, 5}, {3, 7}
- **3rds/6ths:** {R, 3}, {3, 5}, {5, 7}, {2, 7}
- **2nds/7ths:** {R, 2}, {2, 3}, {R, 7}

- **Triads:** {R, 3, 5}, {3, 5, 7}, {2, 5, 7}
- **Sus2s:** {R, 2, 5}
- **7no5s:** {R, 3, 7}, {2, 3, 5}
- **7no3s:** {R, 5, 7}, {2, 3, 7}
- **3 Note Clusters:** {R, 2, 3}, {R, 2, 7}

- **7s:** {R, 3, 5, 7}, {2, 3, 5, 7}
- **Add9s:** {R, 2, 3, 5}
- **7sus4s:** None
- **Add4s:** {R, 2, 5, 7}
- **4 Note Clusters:** {R, 2, 3, 7}

- **9ths:** {R, 2, 3, 5, 7}
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** {R, 2, 3, 5, 7}
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 2, 3, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {4}, {6}

- **4ths/5ths:** None
- **3rds/6ths:** {4, 6}
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{R, 2, 3, 4, 6}

9th built on II.

Diatonic Interval Vector:

343

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {2}, {3}, {4}, {6}

- **4ths/5ths:** {R, 4}, {3, 6}, {2, 6}
- **3rds/6ths:** {R, 3}, {2, 4}, {4, 6}, {R, 6}
- **2nds/7ths:** {R, 2}, {2, 3}, {3, 4}

- **Triads:** {2, 4, 6}, {R, 4, 6}, {R, 3, 6}
- **Sus2s:** {2, 3, 6}
- **7no5s:** {R, 2, 4}, {3, 4, 6}
- **7no3s:** {R, 2, 6}, {R, 3, 4}
- **3 Note Clusters:** {R, 2, 3}, {2, 3, 4}

- **7s:** {R, 2, 4, 6}, {R, 3, 4, 6}
- **Add9s:** {2, 3, 4, 6}
- **7sus4s:** None
- **Add4s:** {R, 2, 3, 6}
- **4 Note Clusters:** {R, 2, 3, 4}

- **9ths:** {R, 2, 3, 4, 6}
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** {R, 2, 3, 4, 6}
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** {R, 2, 3, 4, 5, 6}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {5}, {7}

- **4ths/5ths:** None
- **3rds/6ths:** {5, 7}
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{2, 3, 4, 5, 7}

9th built on III.

Diatonic Interval Vector:

343

Subsets:

- **Silence:** {}
- **Scale Degrees:** {2}, {3}, {4}, {5}, {7}
- **4ths/5ths:** {2, 5}, {4, 7}, {3, 7}
- **3rds/6ths:** {2, 4}, {3, 5}, {5, 7}, {2, 7}
- **2nds/7ths:** {2, 3}, {3, 4}, {4, 5}
- **Triads:** {3, 5, 7}, {2, 5, 7}, {2, 4, 7}
- **Sus2s:** {3, 4, 7}
- **7no5s:** {2, 3, 5}, {4, 5, 7}
- **7no3s:** {2, 3, 7}, {2, 4, 5}
- **3 Note Clusters:** {2, 3, 4}, {3, 4, 5}
- **7s:** {2, 3, 5, 7}, {2, 4, 5, 7}
- **Add9s:** {3, 4, 5, 7}
- **7sus4s:** None
- **Add4s:** {2, 3, 4, 7}
- **4 Note Clusters:** {2, 3, 4, 5}
- **9ths:** {2, 3, 4, 5, 7}
- **6/9s:** None
- **5 Note Clusters:** None
- **11ths:** None
- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** {2, 3, 4, 5, 7}
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** {R, 2, 3, 4, 5, 7}, {2, 3, 4, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {6}

- **4ths/5ths:** None
- **3rds/6ths:** {R, 6}
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{R, 3, 4, 5, 6}

9th built on IV.

Diatonic Interval Vector:

343

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {3}, {4}, {5}, {6}
- **4ths/5ths:** {R, 4}, {3, 6}, {R, 5}
- **3rds/6ths:** {R, 3}, {3, 5}, {4, 6}, {R, 6}
- **2nds/7ths:** {3, 4}, {4, 5}, {5, 6}
- **Triads:** {R, 3, 5}, {R, 4, 6}, {R, 3, 6}
- **Sus2s:** {R, 4, 5}
- **7no5s:** {3, 4, 6}, {R, 5, 6}
- **7no3s:** {R, 3, 4}, {3, 5, 6}
- **3 Note Clusters:** {3, 4, 5}, {4, 5, 6}
- **7s:** {R, 3, 4, 6}, {R, 3, 5, 6}
- **Add9s:** {R, 4, 5, 6}
- **7sus4s:** None
- **Add4s:** {R, 3, 4, 5}
- **4 Note Clusters:** {3, 4, 5, 6}
- **9ths:** {R, 3, 4, 5, 6}
- **6/9s:** None
- **5 Note Clusters:** None
- **11ths:** None
- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** {R, 3, 4, 5, 6}
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** {R, 2, 3, 4, 5, 6}, {R, 3, 4, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {2}, {7}

- **4ths/5ths:** None
- **3rds/6ths:** {2, 7}
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{2, 4, 5, 6, 7}

9th built on V.

Diatonic Interval Vector:

343

Subsets:

- **Silence:** {}
- **Scale Degrees:** {2}, {4}, {5}, {6}, {7}

- **4ths/5ths:** {2, 5}, {4, 7}, {2, 6}
- **3rds/6ths:** {2, 4}, {4, 6}, {5, 7}, {2, 7}
- **2nds/7ths:** {4, 5}, {5, 6}, {6, 7}

- **Triads:** {2, 4, 6}, {2, 5, 7}, {2, 4, 7}
- **Sus2s:** {2, 5, 6}
- **7no5s:** {4, 5, 7}, {2, 6, 7}
- **7no3s:** {2, 4, 5}, {4, 6, 7}
- **3 Note Clusters:** {4, 5, 6}, {5, 6, 7}

- **7s:** {2, 4, 5, 7}, {2, 4, 6, 7}
- **Add9s:** {2, 5, 6, 7}
- **7sus4s:** None
- **Add4s:** {2, 4, 5, 6}
- **4 Note Clusters:** {4, 5, 6, 7}

- **9ths:** {2, 4, 5, 6, 7}
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** {2, 4, 5, 6, 7}
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** {2, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {3}

- **4ths/5ths:** None
- **3rds/6ths:** {R, 3}
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{R, 3, 5, 6, 7}

9th built on VI.

Diatonic Interval Vector:

343

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {3}, {5}, {6}, {7}
- **4ths/5ths:** {3, 6}, {R, 5}, {3, 7}
- **3rds/6ths:** {R, 3}, {3, 5}, {5, 7}, {R, 6}
- **2nds/7ths:** {5, 6}, {6, 7}, {R, 7}
- **Triads:** {R, 3, 5}, {3, 5, 7}, {R, 3, 6}
- **Sus2s:** {3, 6, 7}
- **7no5s:** {R, 3, 7}, {R, 5, 6}
- **7no3s:** {R, 5, 7}, {3, 5, 6}
- **3 Note Clusters:** {5, 6, 7}, {R, 6, 7}
- **7s:** {R, 3, 5, 7}, {R, 3, 5, 6}
- **Add9s:** {R, 3, 6, 7}
- **7sus4s:** None
- **Add4s:** {3, 5, 6, 7}
- **4 Note Clusters:** {R, 5, 6, 7}
- **9ths:** {R, 3, 5, 6, 7}
- **6/9s:** None
- **5 Note Clusters:** None
- **11ths:** None
- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** {R, 3, 5, 6, 7}
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** {R, 3, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {2}, {4}

- **4ths/5ths:** None
- **3rds/6ths:** {2, 4}
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{R, 2, 4, 6, 7}
9th built on VII.

Diatonic Interval Vector:

343

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {2}, {4}, {6}, {7}
- **4ths/5ths:** {R, 4}, {4, 7}, {2, 6}
- **3rds/6ths:** {2, 4}, {4, 6}, {R, 6}, {2, 7}
- **2nds/7ths:** {R, 2}, {6, 7}, {R, 7}
- **Triads:** {2, 4, 6}, {R, 4, 6}, {2, 4, 7}
- **Sus2s:** {R, 4, 7}
- **7no5s:** {R, 2, 4}, {2, 6, 7}
- **7no3s:** {R, 2, 6}, {4, 6, 7}
- **3 Note Clusters:** {R, 6, 7}, {R, 2, 7}
- **7s:** {R, 2, 4, 6}, {2, 4, 6, 7}
- **Add9s:** {R, 2, 4, 7}
- **7sus4s:** None
- **Add4s:** {R, 4, 6, 7}
- **4 Note Clusters:** {R, 2, 6, 7}
- **9ths:** {R, 2, 4, 6, 7}
- **6/9s:** None
- **5 Note Clusters:** None
- **11ths:** None
- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** {R, 2, 4, 6, 7}
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** {R, 2, 4, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {3}, {5}

- **4ths/5ths:** None
- **3rds/6ths:** {3, 5}
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

6/9s on Each Degree

- **On I:** {R, 2, 3, 5, 6}
- **On II:** {2, 3, 4, 6, 7}
- **On III:** {R, 3, 4, 5, 7}
- **On IV:** {R, 2, 4, 5, 6}
- **On V:** {2, 3, 5, 6, 7}
- **On VI:** {R, 3, 4, 6, 7}
- **On VII:** {R, 2, 4, 5, 7}

{R, 2, 3, 5, 6}

6/9 built on I.

Diatonic Interval Vector:

334

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {2}, {3}, {5}, {6}

- **4ths/5ths:** {2, 5}, {3, 6}, {R, 5}, {2, 6}
- **3rds/6ths:** {R, 3}, {3, 5}, {R, 6}
- **2nds/7ths:** {R, 2}, {2, 3}, {5, 6}

- **Triads:** {R, 3, 5}, {R, 3, 6}
- **Sus2s:** {R, 2, 5}, {2, 3, 6}, {2, 5, 6}
- **7no5s:** {2, 3, 5}, {R, 5, 6}
- **7no3s:** {R, 2, 6}, {3, 5, 6}
- **3 Note Clusters:** {R, 2, 3}

- **7s:** {R, 3, 5, 6}
- **Add9s:** {R, 2, 3, 5}
- **7sus4s:** {R, 2, 5, 6}, {2, 3, 5, 6}
- **Add4s:** {R, 2, 3, 6}
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** {R, 2, 3, 5, 6}
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** {R, 2, 3, 5, 6}
- **5 Note Clusters:** None

- **11ths:** {R, 2, 3, 4, 5, 6}, {R, 2, 3, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {4}, {7}

- **4ths/5ths:** {4, 7}
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{2, 3, 4, 6, 7}

6/9 built on II.

Diatonic Interval Vector:

334

Subsets:

- **Silence:** {}

- **Scale Degrees:** {2}, {3}, {4}, {6}, {7}

- **4ths/5ths:** {3, 6}, {4, 7}, {2, 6}, {3, 7}
- **3rds/6ths:** {2, 4}, {4, 6}, {2, 7}
- **2nds/7ths:** {2, 3}, {3, 4}, {6, 7}

- **Triads:** {2, 4, 6}, {2, 4, 7}
- **Sus2s:** {2, 3, 6}, {3, 4, 7}, {3, 6, 7}
- **7no5s:** {3, 4, 6}, {2, 6, 7}
- **7no3s:** {2, 3, 7}, {4, 6, 7}
- **3 Note Clusters:** {2, 3, 4}

- **7s:** {2, 4, 6, 7}
- **Add9s:** {2, 3, 4, 6}
- **7sus4s:** {2, 3, 6, 7}, {3, 4, 6, 7}
- **Add4s:** {2, 3, 4, 7}
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** {2, 3, 4, 6, 7}
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** {2, 3, 4, 6, 7}
- **5 Note Clusters:** None

- **11ths:** {2, 3, 4, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {5}

- **4ths/5ths:** {R, 5}
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{R, 3, 4, 5, 7}

6/9 built on III.

Diatonic Interval Vector:

334

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {3}, {4}, {5}, {7}
- **4ths/5ths:** {R, 4}, {4, 7}, {R, 5}, {3, 7}
- **3rds/6ths:** {R, 3}, {3, 5}, {5, 7}
- **2nds/7ths:** {3, 4}, {4, 5}, {R, 7}
- **Triads:** {R, 3, 5}, {3, 5, 7}
- **Sus2s:** {3, 4, 7}, {R, 4, 5}, {R, 4, 7}
- **7no5s:** {R, 3, 7}, {4, 5, 7}
- **7no3s:** {R, 5, 7}, {R, 3, 4}
- **3 Note Clusters:** {3, 4, 5}
- **7s:** {R, 3, 5, 7}
- **Add9s:** {3, 4, 5, 7}
- **7sus4s:** {R, 4, 5, 7}, {R, 3, 4, 7}
- **Add4s:** {R, 3, 4, 5}
- **4 Note Clusters:** None
- **9ths:** None
- **6/9s:** {R, 3, 4, 5, 7}
- **5 Note Clusters:** None
- **11ths:** None
- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** {R, 3, 4, 5, 7}
- **5 Note Clusters:** None

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 3, 4, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {2}, {6}

- **4ths/5ths:** {2, 6}
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{R, 2, 4, 5, 6}

6/9 built on IV.

Diatonic Interval Vector:

334

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {2}, {4}, {5}, {6}
- **4ths/5ths:** {R, 4}, {2, 5}, {R, 5}, {2, 6}
- **3rds/6ths:** {2, 4}, {4, 6}, {R, 6}
- **2nds/7ths:** {R, 2}, {4, 5}, {5, 6}

- **Triads:** {2, 4, 6}, {R, 4, 6}
- **Sus2s:** {R, 2, 5}, {R, 4, 5}, {2, 5, 6}
- **7no5s:** {R, 2, 4}, {R, 5, 6}
- **7no3s:** {R, 2, 6}, {2, 4, 5}
- **3 Note Clusters:** {4, 5, 6}

- **7s:** {R, 2, 4, 6}
- **Add9s:** {R, 4, 5, 6}
- **7sus4s:** {R, 2, 5, 6}, {R, 2, 4, 5}
- **Add4s:** {2, 4, 5, 6}
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** {R, 2, 4, 5, 6}
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** {R, 2, 4, 5, 6}
- **5 Note Clusters:** None

- **11ths:** {R, 2, 3, 4, 5, 6}, {R, 2, 4, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {3}, {7}

- **4ths/5ths:** {3, 7}
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{2, 3, 5, 6, 7}

6/9 built on V.

Diatonic Interval Vector:

334

Subsets:

- **Silence:** {}

- **Scale Degrees:** {2}, {3}, {5}, {6}, {7}

- **4ths/5ths:** {2, 5}, {3, 6}, {2, 6}, {3, 7}
- **3rds/6ths:** {3, 5}, {5, 7}, {2, 7}
- **2nds/7ths:** {2, 3}, {5, 6}, {6, 7}

- **Triads:** {3, 5, 7}, {2, 5, 7}
- **Sus2s:** {2, 3, 6}, {2, 5, 6}, {3, 6, 7}
- **7no5s:** {2, 3, 5}, {2, 6, 7}
- **7no3s:** {2, 3, 7}, {3, 5, 6}
- **3 Note Clusters:** {5, 6, 7}

- **7s:** {2, 3, 5, 7}
- **Add9s:** {2, 5, 6, 7}
- **7sus4s:** {2, 3, 6, 7}, {2, 3, 5, 6}
- **Add4s:** {3, 5, 6, 7}
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** {2, 3, 5, 6, 7}
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** {2, 3, 5, 6, 7}
- **5 Note Clusters:** None

- **11ths:** {2, 3, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {4}

- **4ths/5ths:** {R, 4}
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{R, 3, 4, 6, 7}

6/9 built on VI.

Diatonic Interval Vector:

334

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {3}, {4}, {6}, {7}
- **4ths/5ths:** {R, 4}, {3, 6}, {4, 7}, {3, 7}
- **3rds/6ths:** {R, 3}, {4, 6}, {R, 6}
- **2nds/7ths:** {3, 4}, {6, 7}, {R, 7}

- **Triads:** {R, 4, 6}, {R, 3, 6}
- **Sus2s:** {3, 4, 7}, {3, 6, 7}, {R, 4, 7}
- **7no5s:** {R, 3, 7}, {3, 4, 6}
- **7no3s:** {R, 3, 4}, {4, 6, 7}
- **3 Note Clusters:** {R, 6, 7}

- **7s:** {R, 3, 4, 6}
- **Add9s:** {R, 3, 6, 7}
- **7sus4s:** {R, 3, 4, 7}, {3, 4, 6, 7}
- **Add4s:** {R, 4, 6, 7}
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** {R, 3, 4, 6, 7}
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** {R, 3, 4, 6, 7}
- **5 Note Clusters:** None

- **11ths:** {R, 3, 4, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {2}, {5}

- **4ths/5ths:** {2, 5}
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{R, 2, 4, 5, 7}

6/9 built on VII.

Diatonic Interval Vector:

334

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {2}, {4}, {5}, {7}
- **4ths/5ths:** {R, 4}, {2, 5}, {4, 7}, {R, 5}
- **3rds/6ths:** {2, 4}, {5, 7}, {2, 7}
- **2nds/7ths:** {R, 2}, {4, 5}, {R, 7}
- **Triads:** {2, 5, 7}, {2, 4, 7}
- **Sus2s:** {R, 2, 5}, {R, 4, 5}, {R, 4, 7}
- **7no5s:** {R, 2, 4}, {4, 5, 7}
- **7no3s:** {R, 5, 7}, {2, 4, 5}
- **3 Note Clusters:** {R, 2, 7}
- **7s:** {2, 4, 5, 7}
- **Add9s:** {R, 2, 4, 7}
- **7sus4s:** {R, 4, 5, 7}, {R, 2, 4, 5}
- **Add4s:** {R, 2, 5, 7}
- **4 Note Clusters:** None
- **9ths:** None
- **6/9s:** {R, 2, 4, 5, 7}
- **5 Note Clusters:** None
- **11ths:** None
- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** {R, 2, 4, 5, 7}
- **5 Note Clusters:** None

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 2, 4, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {3}, {6}

- **4ths/5ths:** {3, 6}
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

5 Note Clusters on Each Degree

- **On I:** {R, 2, 3, 4, 5}
- **On II:** {2, 3, 4, 5, 6}
- **On III:** {3, 4, 5, 6, 7}
- **On IV:** {R, 4, 5, 6, 7}
- **On V:** {R, 2, 5, 6, 7}
- **On VI:** {R, 2, 3, 6, 7}
- **On VII:** {R, 2, 3, 4, 7}

{R, 2, 3, 4, 5}

5 note cluster built on I.

Diatonic Interval Vector:

433

Subsets:

- **Silence:** {}

- **Scale Degrees:** {R}, {2}, {3}, {4}, {5}

- **4ths/5ths:** {R, 4}, {2, 5}, {R, 5}
- **3rds/6ths:** {R, 3}, {2, 4}, {3, 5}
- **2nds/7ths:** {R, 2}, {2, 3}, {3, 4}, {4, 5}

- **Triads:** {R, 3, 5}
- **Sus2s:** {R, 2, 5}, {R, 4, 5}
- **7no5s:** {R, 2, 4}, {2, 3, 5}
- **7no3s:** {R, 3, 4}, {2, 4, 5}
- **3 Note Clusters:** {R, 2, 3}, {2, 3, 4}, {3, 4, 5}

- **7s:** None
- **Add9s:** {R, 2, 3, 5}
- **7sus4s:** {R, 2, 4, 5}
- **Add4s:** {R, 3, 4, 5}
- **4 Note Clusters:** {R, 2, 3, 4}, {2, 3, 4, 5}

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** {R, 2, 3, 4, 5}

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** {R, 2, 3, 4, 5}

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 2, 3, 4, 5, 6}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {6}, {7}

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** {6, 7}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{2, 3, 4, 5, 6}

5 note cluster built on II.

Diatonic Interval Vector:

433

Subsets:

- **Silence:** {}
- **Scale Degrees:** {2}, {3}, {4}, {5}, {6}
- **4ths/5ths:** {2, 5}, {3, 6}, {2, 6}
- **3rds/6ths:** {2, 4}, {3, 5}, {4, 6}
- **2nds/7ths:** {2, 3}, {3, 4}, {4, 5}, {5, 6}
- **Triads:** {2, 4, 6}
- **Sus2s:** {2, 3, 6}, {2, 5, 6}
- **7no5s:** {2, 3, 5}, {3, 4, 6}
- **7no3s:** {2, 4, 5}, {3, 5, 6}
- **3 Note Clusters:** {2, 3, 4}, {3, 4, 5}, {4, 5, 6}
- **7s:** None
- **Add9s:** {2, 3, 4, 6}
- **7sus4s:** {2, 3, 5, 6}
- **Add4s:** {2, 4, 5, 6}
- **4 Note Clusters:** {2, 3, 4, 5}, {3, 4, 5, 6}
- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** {2, 3, 4, 5, 6}
- **11ths:** None
- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** {2, 3, 4, 5, 6}

- **11ths:** {R, 2, 3, 4, 5, 6}, {2, 3, 4, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {7}

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** {R, 7}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{3, 4, 5, 6, 7}

5 note cluster built on III.

Diatonic Interval Vector:

433

Subsets:

- **Silence:** {}

- **Scale Degrees:** {3}, {4}, {5}, {6}, {7}

- **4ths/5ths:** {3, 6}, {4, 7}, {3, 7}
- **3rds/6ths:** {3, 5}, {4, 6}, {5, 7}
- **2nds/7ths:** {3, 4}, {4, 5}, {5, 6}, {6, 7}

- **Triads:** {3, 5, 7}
- **Sus2s:** {3, 4, 7}, {3, 6, 7}
- **7no5s:** {3, 4, 6}, {4, 5, 7}
- **7no3s:** {3, 5, 6}, {4, 6, 7}
- **3 Note Clusters:** {3, 4, 5}, {4, 5, 6}, {5, 6, 7}

- **7s:** None
- **Add9s:** {3, 4, 5, 7}
- **7sus4s:** {3, 4, 6, 7}
- **Add4s:** {3, 5, 6, 7}
- **4 Note Clusters:** {3, 4, 5, 6}, {4, 5, 6, 7}

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** {3, 4, 5, 6, 7}

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** {3, 4, 5, 6, 7}

- **11ths:** {2, 3, 4, 5, 6, 7}, {R, 3, 4, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}, {2}

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** {R, 2}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{R, 4, 5, 6, 7}

5 note cluster built on IV.

Diatonic Interval Vector:

433

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {4}, {5}, {6}, {7}
- **4ths/5ths:** {R, 4}, {4, 7}, {R, 5}
- **3rds/6ths:** {4, 6}, {5, 7}, {R, 6}
- **2nds/7ths:** {4, 5}, {5, 6}, {6, 7}, {R, 7}
- **Triads:** {R, 4, 6}
- **Sus2s:** {R, 4, 5}, {R, 4, 7}
- **7no5s:** {4, 5, 7}, {R, 5, 6}
- **7no3s:** {R, 5, 7}, {4, 6, 7}
- **3 Note Clusters:** {4, 5, 6}, {5, 6, 7}, {R, 6, 7}
- **7s:** None
- **Add9s:** {R, 4, 5, 6}
- **7sus4s:** {R, 4, 5, 7}
- **Add4s:** {R, 4, 6, 7}
- **4 Note Clusters:** {4, 5, 6, 7}, {R, 5, 6, 7}
- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** {R, 4, 5, 6, 7}
- **11ths:** None
- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** {R, 4, 5, 6, 7}

- **11ths:** {R, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {2}, {3}

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** {2, 3}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{R, 2, 5, 6, 7}

5 note cluster built on V.

Diatonic Interval Vector:

433

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {2}, {5}, {6}, {7}
- **4ths/5ths:** {2, 5}, {R, 5}, {2, 6}
- **3rds/6ths:** {5, 7}, {R, 6}, {2, 7}
- **2nds/7ths:** {R, 2}, {5, 6}, {6, 7}, {R, 7}

- **Triads:** {2, 5, 7}
- **Sus2s:** {R, 2, 5}, {2, 5, 6}
- **7no5s:** {R, 5, 6}, {2, 6, 7}
- **7no3s:** {R, 5, 7}, {R, 2, 6}
- **3 Note Clusters:** {5, 6, 7}, {R, 6, 7}, {R, 2, 7}

- **7s:** None
- **Add9s:** {2, 5, 6, 7}
- **7sus4s:** {R, 2, 5, 6}
- **Add4s:** {R, 2, 5, 7}
- **4 Note Clusters:** {R, 5, 6, 7}, {R, 2, 6, 7}

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** {R, 2, 5, 6, 7}

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** {R, 2, 5, 6, 7}

- **11ths:** {R, 2, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {3}, {4}

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** {3, 4}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{R, 2, 3, 6, 7}

5 note cluster built on VI.

Diatonic Interval Vector:

433

Subsets:

- **Silence:** {}

- **Scale Degrees:** {R}, {2}, {3}, {6}, {7}

- **4ths/5ths:** {3, 6}, {2, 6}, {3, 7}
- **3rds/6ths:** {R, 3}, {R, 6}, {2, 7}
- **2nds/7ths:** {R, 2}, {2, 3}, {6, 7}, {R, 7}

- **Triads:** {R, 3, 6}
- **Sus2s:** {2, 3, 6}, {3, 6, 7}
- **7no5s:** {R, 3, 7}, {2, 6, 7}
- **7no3s:** {R, 2, 6}, {2, 3, 7}
- **3 Note Clusters:** {R, 2, 3}, {R, 6, 7}, {R, 2, 7}

- **7s:** None
- **Add9s:** {R, 3, 6, 7}
- **7sus4s:** {2, 3, 6, 7}
- **Add4s:** {R, 2, 3, 6}
- **4 Note Clusters:** {R, 2, 6, 7}, {R, 2, 3, 7}

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** {R, 2, 3, 6, 7}

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** {R, 2, 3, 6, 7}

- **11ths:** {R, 2, 3, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {4}, {5}

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** {4, 5}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{R, 2, 3, 4, 7}

5 note cluster built on VII.

Diatonic Interval Vector:

433

Subsets:

- **Silence:** {}

- **Scale Degrees:** {R}, {2}, {3}, {4}, {7}

- **4ths/5ths:** {R, 4}, {4, 7}, {3, 7}
- **3rds/6ths:** {R, 3}, {2, 4}, {2, 7}
- **2nds/7ths:** {R, 2}, {2, 3}, {3, 4}, {R, 7}

- **Triads:** {2, 4, 7}
- **Sus2s:** {3, 4, 7}, {R, 4, 7}
- **7no5s:** {R, 3, 7}, {R, 2, 4}
- **7no3s:** {2, 3, 7}, {R, 3, 4}
- **3 Note Clusters:** {R, 2, 3}, {2, 3, 4}, {R, 2, 7}

- **7s:** None
- **Add9s:** {R, 2, 4, 7}
- **7sus4s:** {R, 3, 4, 7}
- **Add4s:** {2, 3, 4, 7}
- **4 Note Clusters:** {R, 2, 3, 4}, {R, 2, 3, 7}

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** {R, 2, 3, 4, 7}

- **11ths:** None

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** {R, 2, 3, 4, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {5}, {6}

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** {5, 6}

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Sets of 6 Notes

- 11ths

11ths on Each Degree

- **On I:** {R, 2, 3, 4, 5, 7}
- **On II:** {R, 2, 3, 4, 5, 6}
- **On III:** {2, 3, 4, 5, 6, 7}
- **On IV:** {R, 3, 4, 5, 6, 7}
- **On V:** {R, 2, 4, 5, 6, 7}
- **On VI:** {R, 2, 3, 5, 6, 7}
- **On VII:** {R, 2, 3, 4, 6, 7}

{R, 2, 3, 4, 5, 7}

11th built on I.

Diatonic Interval Vector:

555

Subsets:

- **Silence:** {}

- **Scale Degrees:** {R}, {2}, {3}, {4}, {5}, {7}

- **4ths/5ths:** {R, 4}, {2, 5}, {4, 7}, {R, 5}, {3, 7}
- **3rds/6ths:** {R, 3}, {2, 4}, {3, 5}, {5, 7}, {2, 7}
- **2nds/7ths:** {R, 2}, {2, 3}, {3, 4}, {4, 5}, {R, 7}

- **Triads:** {R, 3, 5}, {3, 5, 7}, {2, 5, 7}, {2, 4, 7}
- **Sus2s:** {R, 2, 5}, {3, 4, 7}, {R, 4, 5}, {R, 4, 7}
- **7no5s:** {R, 3, 7}, {R, 2, 4}, {2, 3, 5}, {4, 5, 7}
- **7no3s:** {R, 5, 7}, {2, 3, 7}, {R, 3, 4}, {2, 4, 5}
- **3 Note Clusters:** {R, 2, 3}, {2, 3, 4}, {3, 4, 5}, {R, 2, 7}

- **7s:** {R, 3, 5, 7}, {2, 3, 5, 7}, {2, 4, 5, 7}
- **Add9s:** {R, 2, 3, 5}, {3, 4, 5, 7}, {R, 2, 4, 7}
- **7sus4s:** {R, 4, 5, 7}, {R, 3, 4, 7}, {R, 2, 4, 5}
- **Add4s:** {R, 3, 4, 5}, {R, 2, 5, 7}, {2, 3, 4, 7}
- **4 Note Clusters:** {R, 2, 3, 4}, {2, 3, 4, 5}, {R, 2, 3, 7}

- **9ths:** {R, 2, 3, 5, 7}, {2, 3, 4, 5, 7}
- **6/9s:** {R, 3, 4, 5, 7}, {R, 2, 4, 5, 7}
- **5 Note Clusters:** {R, 2, 3, 4, 5}, {R, 2, 3, 4, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** {R, 2, 3, 4, 5, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {6}

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{R, 2, 3, 4, 5, 6}

11th built on II.

Diatonic Interval Vector:

555

Subsets:

- **Silence:** {}

- **Scale Degrees:** {R}, {2}, {3}, {4}, {5}, {6}

- **4ths/5ths:** {R, 4}, {2, 5}, {3, 6}, {R, 5}, {2, 6}
- **3rds/6ths:** {R, 3}, {2, 4}, {3, 5}, {4, 6}, {R, 6}
- **2nds/7ths:** {R, 2}, {2, 3}, {3, 4}, {4, 5}, {5, 6}

- **Triads:** {R, 3, 5}, {2, 4, 6}, {R, 4, 6}, {R, 3, 6}
- **Sus2s:** {R, 2, 5}, {2, 3, 6}, {R, 4, 5}, {2, 5, 6}
- **7no5s:** {R, 2, 4}, {2, 3, 5}, {3, 4, 6}, {R, 5, 6}
- **7no3s:** {R, 2, 6}, {R, 3, 4}, {2, 4, 5}, {3, 5, 6}
- **3 Note Clusters:** {R, 2, 3}, {2, 3, 4}, {3, 4, 5}, {4, 5, 6}

- **7s:** {R, 2, 4, 6}, {R, 3, 4, 6}, {R, 3, 5, 6}
- **Add9s:** {R, 2, 3, 5}, {2, 3, 4, 6}, {R, 4, 5, 6}
- **7sus4s:** {R, 2, 5, 6}, {R, 2, 4, 5}, {2, 3, 5, 6}
- **Add4s:** {R, 3, 4, 5}, {2, 4, 5, 6}, {R, 2, 3, 6}
- **4 Note Clusters:** {R, 2, 3, 4}, {2, 3, 4, 5}, {3, 4, 5, 6}

- **9ths:** {R, 2, 3, 4, 6}, {R, 3, 4, 5, 6}
- **6/9s:** {R, 2, 3, 5, 6}, {R, 2, 4, 5, 6}
- **5 Note Clusters:** {R, 2, 3, 4, 5}, {2, 3, 4, 5, 6}

- **11ths:** {R, 2, 3, 4, 5, 6}

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** {R, 2, 3, 4, 5, 6}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {7}

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{2, 3, 4, 5, 6, 7}

11th built on III.

Diatonic Interval Vector:

555

Subsets:

- **Silence:** {}

- **Scale Degrees:** {2}, {3}, {4}, {5}, {6}, {7}

- **4ths/5ths:** {2, 5}, {3, 6}, {4, 7}, {2, 6}, {3, 7}
- **3rds/6ths:** {2, 4}, {3, 5}, {4, 6}, {5, 7}, {2, 7}
- **2nds/7ths:** {2, 3}, {3, 4}, {4, 5}, {5, 6}, {6, 7}

- **Triads:** {2, 4, 6}, {3, 5, 7}, {2, 5, 7}, {2, 4, 7}
- **Sus2s:** {2, 3, 6}, {3, 4, 7}, {2, 5, 6}, {3, 6, 7}
- **7no5s:** {2, 3, 5}, {3, 4, 6}, {4, 5, 7}, {2, 6, 7}
- **7no3s:** {2, 3, 7}, {2, 4, 5}, {3, 5, 6}, {4, 6, 7}
- **3 Note Clusters:** {2, 3, 4}, {3, 4, 5}, {4, 5, 6}, {5, 6, 7}

- **7s:** {2, 3, 5, 7}, {2, 4, 5, 7}, {2, 4, 6, 7}
- **Add9s:** {2, 3, 4, 6}, {3, 4, 5, 7}, {2, 5, 6, 7}
- **7sus4s:** {2, 3, 6, 7}, {2, 3, 5, 6}, {3, 4, 6, 7}
- **Add4s:** {2, 4, 5, 6}, {3, 5, 6, 7}, {2, 3, 4, 7}
- **4 Note Clusters:** {2, 3, 4, 5}, {3, 4, 5, 6}, {4, 5, 6, 7}

- **9ths:** {2, 3, 4, 5, 7}, {2, 4, 5, 6, 7}
- **6/9s:** {2, 3, 4, 6, 7}, {2, 3, 5, 6, 7}
- **5 Note Clusters:** {2, 3, 4, 5, 6}, {3, 4, 5, 6, 7}

- **11ths:** {2, 3, 4, 5, 6, 7}

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** {2, 3, 4, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {R}

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

From VicDillahay.com

{R, 3, 4, 5, 6, 7}
11th built on IV.

Diatonic Interval Vector:

555

Subsets:

- **Silence:** {}

- **Scale Degrees:** {R}, {3}, {4}, {5}, {6}, {7}

- **4ths/5ths:** {R, 4}, {3, 6}, {4, 7}, {R, 5}, {3, 7}
- **3rds/6ths:** {R, 3}, {3, 5}, {4, 6}, {5, 7}, {R, 6}
- **2nds/7ths:** {3, 4}, {4, 5}, {5, 6}, {6, 7}, {R, 7}

- **Triads:** {R, 3, 5}, {3, 5, 7}, {R, 4, 6}, {R, 3, 6}
- **Sus2s:** {3, 4, 7}, {R, 4, 5}, {3, 6, 7}, {R, 4, 7}
- **7no5s:** {R, 3, 7}, {3, 4, 6}, {4, 5, 7}, {R, 5, 6}
- **7no3s:** {R, 5, 7}, {R, 3, 4}, {3, 5, 6}, {4, 6, 7}
- **3 Note Clusters:** {3, 4, 5}, {4, 5, 6}, {5, 6, 7}, {R, 6, 7}

- **7s:** {R, 3, 5, 7}, {R, 3, 4, 6}, {R, 3, 5, 6}
- **Add9s:** {3, 4, 5, 7}, {R, 4, 5, 6}, {R, 3, 6, 7}
- **7sus4s:** {R, 4, 5, 7}, {R, 3, 4, 7}, {3, 4, 6, 7}
- **Add4s:** {R, 3, 4, 5}, {3, 5, 6, 7}, {R, 4, 6, 7}
- **4 Note Clusters:** {3, 4, 5, 6}, {4, 5, 6, 7}, {R, 5, 6, 7}

- **9ths:** {R, 3, 4, 5, 6}, {R, 3, 5, 6, 7}
- **6/9s:** {R, 3, 4, 5, 7}, {R, 3, 4, 6, 7}
- **5 Note Clusters:** {3, 4, 5, 6, 7}, {R, 4, 5, 6, 7}

- **11ths:** {R, 3, 4, 5, 6, 7}

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** {R, 3, 4, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {2}

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{R, 2, 4, 5, 6, 7}

11th built on V.

Diatonic Interval Vector:

555

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {2}, {4}, {5}, {6}, {7}

- **4ths/5ths:** {R, 4}, {2, 5}, {4, 7}, {R, 5}, {2, 6}
- **3rds/6ths:** {2, 4}, {4, 6}, {5, 7}, {R, 6}, {2, 7}
- **2nds/7ths:** {R, 2}, {4, 5}, {5, 6}, {6, 7}, {R, 7}

- **Triads:** {2, 4, 6}, {R, 4, 6}, {2, 5, 7}, {2, 4, 7}
- **Sus2s:** {R, 2, 5}, {R, 4, 5}, {2, 5, 6}, {R, 4, 7}
- **7no5s:** {R, 2, 4}, {4, 5, 7}, {R, 5, 6}, {2, 6, 7}
- **7no3s:** {R, 5, 7}, {R, 2, 6}, {2, 4, 5}, {4, 6, 7}
- **3 Note Clusters:** {4, 5, 6}, {5, 6, 7}, {R, 6, 7}, {R, 2, 7}

- **7s:** {R, 2, 4, 6}, {2, 4, 5, 7}, {2, 4, 6, 7}
- **Add9s:** {R, 4, 5, 6}, {2, 5, 6, 7}, {R, 2, 4, 7}
- **7sus4s:** {R, 4, 5, 7}, {R, 2, 5, 6}, {R, 2, 4, 5}
- **Add4s:** {2, 4, 5, 6}, {R, 4, 6, 7}, {R, 2, 5, 7}
- **4 Note Clusters:** {4, 5, 6, 7}, {R, 5, 6, 7}, {R, 2, 6, 7}

- **9ths:** {2, 4, 5, 6, 7}, {R, 2, 4, 6, 7}
- **6/9s:** {R, 2, 4, 5, 6}, {R, 2, 4, 5, 7}
- **5 Note Clusters:** {R, 4, 5, 6, 7}, {R, 2, 5, 6, 7}

- **11ths:** {R, 2, 4, 5, 6, 7}

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** {R, 2, 4, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {3}

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{R, 2, 3, 5, 6, 7}

11th built on VI.

Diatonic Interval Vector:

555

Subsets:

- **Silence:** {}
- **Scale Degrees:** {R}, {2}, {3}, {5}, {6}, {7}
- **4ths/5ths:** {2, 5}, {3, 6}, {R, 5}, {2, 6}, {3, 7}
- **3rds/6ths:** {R, 3}, {3, 5}, {5, 7}, {R, 6}, {2, 7}
- **2nds/7ths:** {R, 2}, {2, 3}, {5, 6}, {6, 7}, {R, 7}
- **Triads:** {R, 3, 5}, {3, 5, 7}, {2, 5, 7}, {R, 3, 6}
- **Sus2s:** {R, 2, 5}, {2, 3, 6}, {2, 5, 6}, {3, 6, 7}
- **7no5s:** {R, 3, 7}, {2, 3, 5}, {R, 5, 6}, {2, 6, 7}
- **7no3s:** {R, 5, 7}, {R, 2, 6}, {2, 3, 7}, {3, 5, 6}
- **3 Note Clusters:** {R, 2, 3}, {5, 6, 7}, {R, 6, 7}, {R, 2, 7}
- **7s:** {R, 3, 5, 7}, {2, 3, 5, 7}, {R, 3, 5, 6}
- **Add9s:** {R, 2, 3, 5}, {2, 5, 6, 7}, {R, 3, 6, 7}
- **7sus4s:** {R, 2, 5, 6}, {2, 3, 6, 7}, {2, 3, 5, 6}
- **Add4s:** {3, 5, 6, 7}, {R, 2, 5, 7}, {R, 2, 3, 6}
- **4 Note Clusters:** {R, 5, 6, 7}, {R, 2, 6, 7}, {R, 2, 3, 7}
- **9ths:** {R, 2, 3, 5, 7}, {R, 3, 5, 6, 7}
- **6/9s:** {R, 2, 3, 5, 6}, {2, 3, 5, 6, 7}
- **5 Note Clusters:** {R, 2, 5, 6, 7}, {R, 2, 3, 6, 7}
- **11ths:** {R, 2, 3, 5, 6, 7}
- **13ths:** None

Supersets:

- **Scale Degrees:** None
- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None
- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** {R, 2, 3, 5, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {4}

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

{R, 2, 3, 4, 6, 7}

11th built on VII.

Diatonic Interval Vector:

555

Subsets:

- **Silence:** {}

- **Scale Degrees:** {R}, {2}, {3}, {4}, {6}, {7}

- **4ths/5ths:** {R, 4}, {3, 6}, {4, 7}, {2, 6}, {3, 7}
- **3rds/6ths:** {R, 3}, {2, 4}, {4, 6}, {R, 6}, {2, 7}
- **2nds/7ths:** {R, 2}, {2, 3}, {3, 4}, {6, 7}, {R, 7}

- **Triads:** {2, 4, 6}, {R, 4, 6}, {R, 3, 6}, {2, 4, 7}
- **Sus2s:** {2, 3, 6}, {3, 4, 7}, {3, 6, 7}, {R, 4, 7}
- **7no5s:** {R, 3, 7}, {R, 2, 4}, {3, 4, 6}, {2, 6, 7}
- **7no3s:** {R, 2, 6}, {2, 3, 7}, {R, 3, 4}, {4, 6, 7}
- **3 Note Clusters:** {R, 2, 3}, {2, 3, 4}, {R, 6, 7}, {R, 2, 7}

- **7s:** {R, 2, 4, 6}, {R, 3, 4, 6}, {2, 4, 6, 7}
- **Add9s:** {2, 3, 4, 6}, {R, 3, 6, 7}, {R, 2, 4, 7}
- **7sus4s:** {2, 3, 6, 7}, {R, 3, 4, 7}, {3, 4, 6, 7}
- **Add4s:** {R, 4, 6, 7}, {R, 2, 3, 6}, {2, 3, 4, 7}
- **4 Note Clusters:** {R, 2, 3, 4}, {R, 2, 6, 7}, {R, 2, 3, 7}

- **9ths:** {R, 2, 3, 4, 6}, {R, 2, 4, 6, 7}
- **6/9s:** {2, 3, 4, 6, 7}, {R, 3, 4, 6, 7}
- **5 Note Clusters:** {R, 2, 3, 6, 7}, {R, 2, 3, 4, 7}

- **11ths:** {R, 2, 3, 4, 6, 7}

- **13ths:** None

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** {5}

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Set of 7 Notes

- <u>13ths</u>

13ths on Each Degree

- **On I:** {R, 2, 3, 4, 5, 6, 7}
- **On II:** {R, 2, 3, 4, 5, 6, 7}
- **On III:** {R, 2, 3, 4, 5, 6, 7}
- **On IV:** {R, 2, 3, 4, 5, 6, 7}
- **On V:** {R, 2, 3, 4, 5, 6, 7}
- **On VI:** {R, 2, 3, 4, 5, 6, 7}
- **On VII:** {R, 2, 3, 4, 5, 6, 7}

{R, 2, 3, 4, 5, 6, 7}

13th built on I.

Diatonic Interval Vector:

777

Subsets:

- **Silence:** {}

- **Scale Degrees:** {R}, {2}, {3}, {4}, {5}, {6}, {7}

- **4ths/5ths:** {R, 4}, {2, 5}, {3, 6}, {4, 7}, {R, 5}, {2, 6}, {3, 7}
- **3rds/6ths:** {R, 3}, {2, 4}, {3, 5}, {4, 6}, {5, 7}, {R, 6}, {2, 7}
- **2nds/7ths:** {R, 2}, {2, 3}, {3, 4}, {4, 5}, {5, 6}, {6, 7}, {R, 7}

- **Triads:** {R, 3, 5}, {2, 4, 6}, {3, 5, 7}, {R, 4, 6}, {2, 5, 7}, {R, 3, 6}, {2, 4, 7}
- **Sus2s:** {R, 2, 5}, {2, 3, 6}, {3, 4, 7}, {R, 4, 5}, {2, 5, 6}, {3, 6, 7}, {R, 4, 7}
- **7no5s:** {R, 3, 7}, {R, 2, 4}, {2, 3, 5}, {3, 4, 6}, {4, 5, 7}, {R, 5, 6}, {2, 6, 7}
- **7no3s:** {R, 5, 7}, {R, 2, 6}, {2, 3, 7}, {R, 3, 4}, {2, 4, 5}, {3, 5, 6}, {4, 6, 7}
- **3 Note Clusters:** {R, 2, 3}, {2, 3, 4}, {3, 4, 5}, {4, 5, 6}, {5, 6, 7}, {R, 6, 7}, {R, 2, 7}

- **7s:** {R, 3, 5, 7}, {R, 2, 4, 6}, {2, 3, 5, 7}, {R, 3, 4, 6}, {2, 4, 5, 7}, {R, 3, 5, 6}, {2, 4, 6, 7}
- **Add9s:** {R, 2, 3, 5}, {2, 3, 4, 6}, {3, 4, 5, 7}, {R, 4, 5, 6}, {2, 5, 6, 7}, {R, 3, 6, 7}, {R, 2, 4, 7}
- **7sus4s:** {R, 4, 5, 7}, {R, 2, 5, 6}, {2, 3, 6, 7}, {R, 3, 4, 7}, {R, 2, 4, 5}, {2, 3, 5, 6}, {3, 4, 6, 7}
- **Add4s:** {R, 3, 4, 5}, {2, 4, 5, 6}, {3, 5, 6, 7}, {R, 4, 6, 7}, {R, 2, 5, 7}, {R, 2, 3, 6}, {2, 3, 4, 7}
- **4 Note Clusters:** {R, 2, 3, 4}, {2, 3, 4, 5}, {3, 4, 5, 6}, {4, 5, 6, 7}, {R, 5, 6, 7}, {R, 2, 6, 7}, {R, 2, 3, 7}

- **9ths:** {R, 2, 3, 5, 7}, {R, 2, 3, 4, 6}, {2, 3, 4, 5, 7}, {R, 3, 4, 5, 6}, {2, 4, 5, 6, 7}, {R, 3, 5, 6, 7}, {R, 2, 4, 6, 7}
- **6/9s:** {R, 2, 3, 5, 6}, {2, 3, 4, 6, 7}, {R, 3, 4, 5, 7}, {R, 2, 4, 5, 6}, {2, 3, 5, 6, 7}, {R, 3, 4, 6, 7}, {R, 2, 4, 5, 7}
- **5 Note Clusters:** {R, 2, 3, 4, 5}, {2, 3, 4, 5, 6}, {3, 4, 5, 6, 7}, {R, 4, 5, 6, 7}, {R, 2, 5, 6, 7}, {R, 2, 3, 6, 7}, {R, 2, 3, 4, 7}

- **11ths:** {R, 2, 3, 4, 5, 7}, {R, 2, 3, 4, 5, 6}, {2, 3, 4, 5, 6, 7}, {R, 3, 4, 5, 6, 7}, {R, 2, 4, 5, 6, 7}, {R, 2, 3, 5, 6, 7}, {R, 2, 3, 4, 6, 7}

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Supersets:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** {R, 2, 3, 4, 5, 6, 7}

Sets Without Common Tones:

- **Scale Degrees:** None

- **4ths/5ths:** None
- **3rds/6ths:** None
- **2nds/7ths:** None

- **Triads:** None
- **Sus2s:** None
- **7no5s:** None
- **7no3s:** None
- **3 Note Clusters:** None

- **7s:** None
- **Add9s:** None
- **7sus4s:** None
- **Add4s:** None
- **4 Note Clusters:** None

- **9ths:** None
- **6/9s:** None
- **5 Note Clusters:** None

- **11ths:** None

- **13ths:** None

Diatonic Interval Vectors for Each Set Type

- **Scale Degrees:** 000
- **4ths/5ths:** 001
- **3rds/6ths:** 010
- **2nds/7ths:** 100
- **Triads:** 021
- **Sus2s:** 102
- **7no5s:** 111
- **7no3s:** 111
- **3 Note Clusters:** 210
- **7ths:** 132
- **Add9s:** 222
- **7sus4s:** 213
- **Add4s:** 222
- **4 Note Clusters:** 321
- **9ths:** 343
- **6/9s:** 334
- **5 Note Clusters:** 433
- **11ths:** 555
- **13ths:** 777

Diatonic Steps in Each Set Type

The are the number of 2nds between each note, listed in order. A7 is {R, 3, 5, 7} and has two steps from R to 3, two steps from 3 to 5, two steps from 5 to 7, and one step from 7 to R so it is listed here as {2, 2, 2, 1}.

A few sets have inverted to form a more common chord. The most compact form for each of these cases is written in parenthesis.

- **Scale Degrees:** 7
- **4ths/5ths:** 3, 4
- **3rds/6ths:** 2, 5
- **2nds/7ths:** 1, 6
- **Triads:** 2, 2, 3
- **Sus2s:** 1, 3, 3
- **7no5s:** 2, 4, 1 (Most compact form is 1, 2, 4)
- **7no3s:** 4, 2, 1 (Most compact form is 2, 1, 4)
- **3 Note Clusters:** 1, 1, 5
- **7ths:** 2, 2, 2, 1
- **Add9s:** 1, 1, 2, 3
- **7sus4s:** 3, 1, 2, 1 (most compact form is 1, 2, 1, 3)
- **Add4s:** 2, 1, 1, 3
- **4 Note Clusters:** 1, 1, 1, 4
- **9ths:** 1, 1, 2, 2, 1 (most compact form is 1, 1, 1, 2, 2)
- **6/9s:** 1, 1, 2, 1, 2
- **5 Note Clusters:** 1, 1, 1, 1, 3
- **11ths:** 1, 1, 1, 1, 2, 1
- **13ths:** 1, 1, 1, 1, 1, 1, 1

Ideas for Using This Book in Jazz

Reharmonizing Standards with 4 note chords:

- Select a mode for each chord and decide how many substitute chords will be based on it.
- For the first chord from each mode, look up any 4 note subset of {R, 2, 3, 4, 5, 6, 7}.
- For the next chord, find the 3 note set under "No Common Tones" and turn to its page. Select any of its 4 note supersets for the 2nd chord.
- Continue this process for each additional substitute chord.

Using this system, Gmaj7 / Gmaj7 / Gmin7 / C7 with 2 chords per measure becomes Gmaj7 A(add9) / D(add4) F7sus4 / Gm(add9) Bm7 / D7sus4 Bbmaj7sus4.

Modal Comping:

- Select any set from the mode.
- Look up the set with no common tones and use any of its subsets or superesets.

A possible modal vamp on D Dorian is Dm9 G7no5 / Am(add11) Cmaj7sus4.

Generic Modality Compression

If you would like to quickly find sets for use in Generic Modality Compression (outlined in *Creative Chordal Harmony for Guitar* by Mick Goodrick and Tim Miller, Berklee Press 2012), look up the mode minus the root. Goodrick and Miller use only the 3 note subsets, but any other subsets may be used.