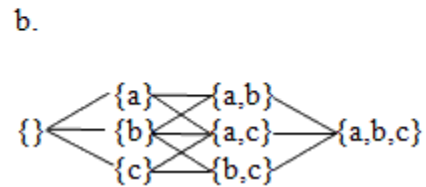
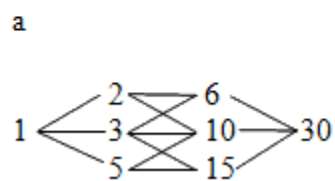


MTO 13.3 Examples: Losada, K-nets and Hierarchical Structural Recursion: Further Considerations

(Note: audio, video, and other interactive examples are only available online)
<http://www.mtosmt.org/issues/mto.07.13.3/mto.07.13.3.losada.php>

Example 1. Networks that involve fundamentally different elements, but share a common structure

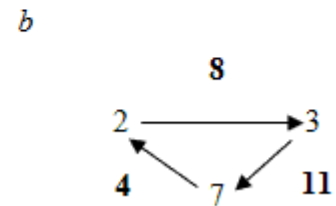
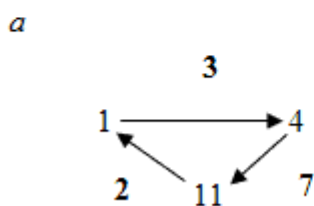
a: {1,2,3,5,6,10,15,30} f: be a divisor of
 b: {} {a} {b} {c} {a,b} {a,c} {b,c} {abc} f: be a subset of



Example 2. Networks that can be related to one another by a functional isomorphism

a: Integers mod twelve under addition
 b: Integers mod 13 – {0} under multiplication

$f(a) = b$
 Let x be a member of a
 $f(x) = 2^x$



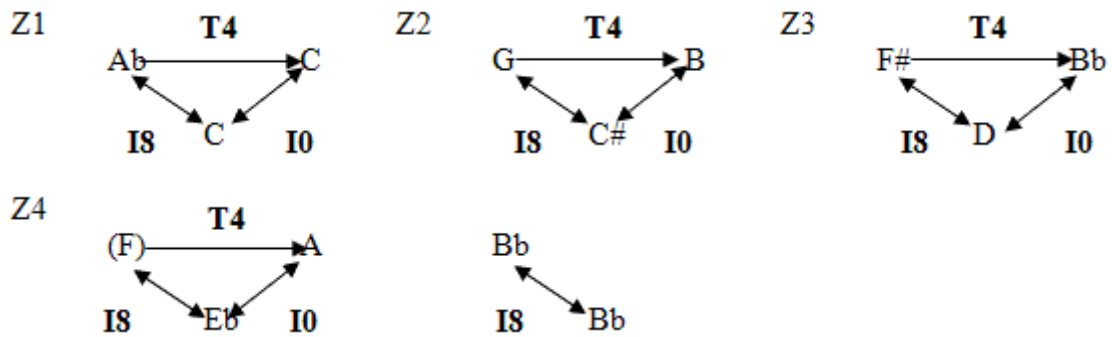
Example 3. Schoenberg *Das Buch der hängenden Gärten*, Op. 15, No. 7 (measures 14–15)

Sehr langsam

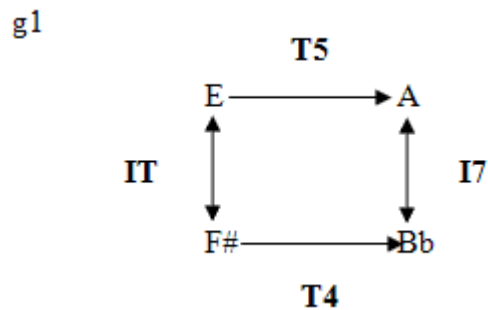
14

daß ich kei - nes Freun - des Trost be - geh - re

Example 4. K-nets that interpret the chords in Example 3



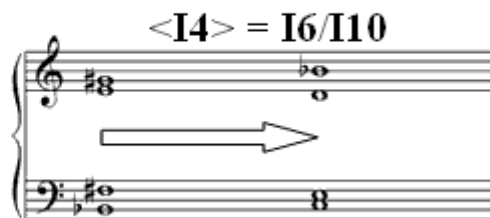
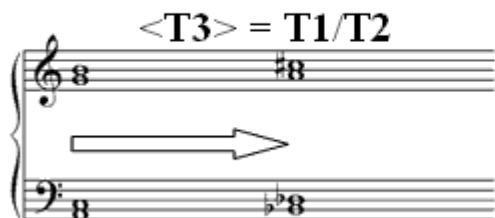
Example 5. K-net that Lewin uses to interpret the first chord of Schoenberg's Opus 11, No. 2, measures 9–13



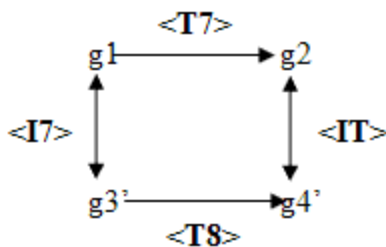
Example 6.

a. $\langle T_j \rangle$ as total transpositional distance

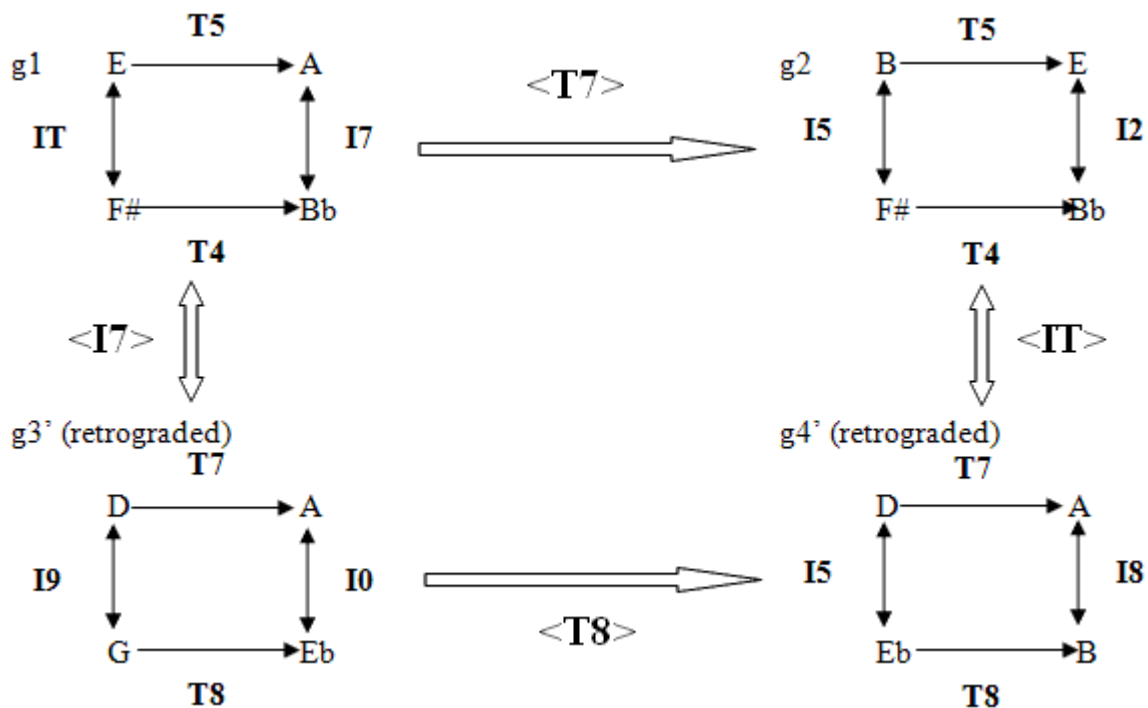
b. $\langle I_j \rangle$ as a sum of inversions



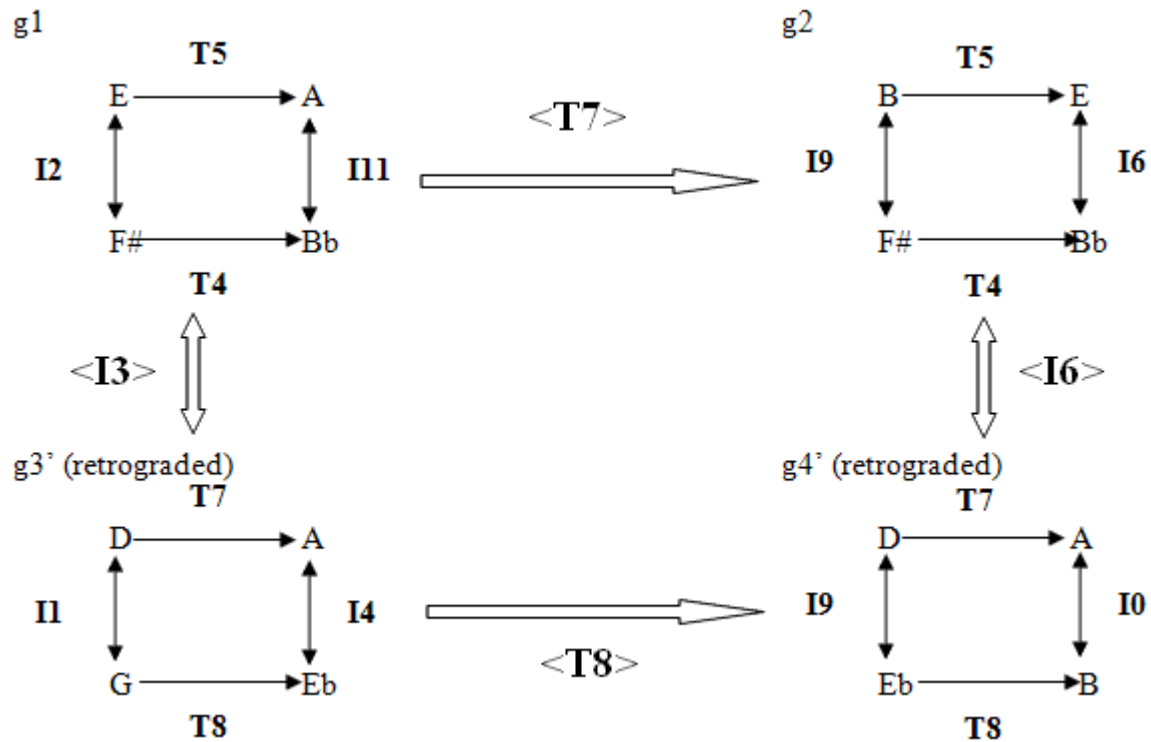
Example 7. Lewin's supernetwork interprets the first four chords in Schoenberg's Op. 11, No. 2



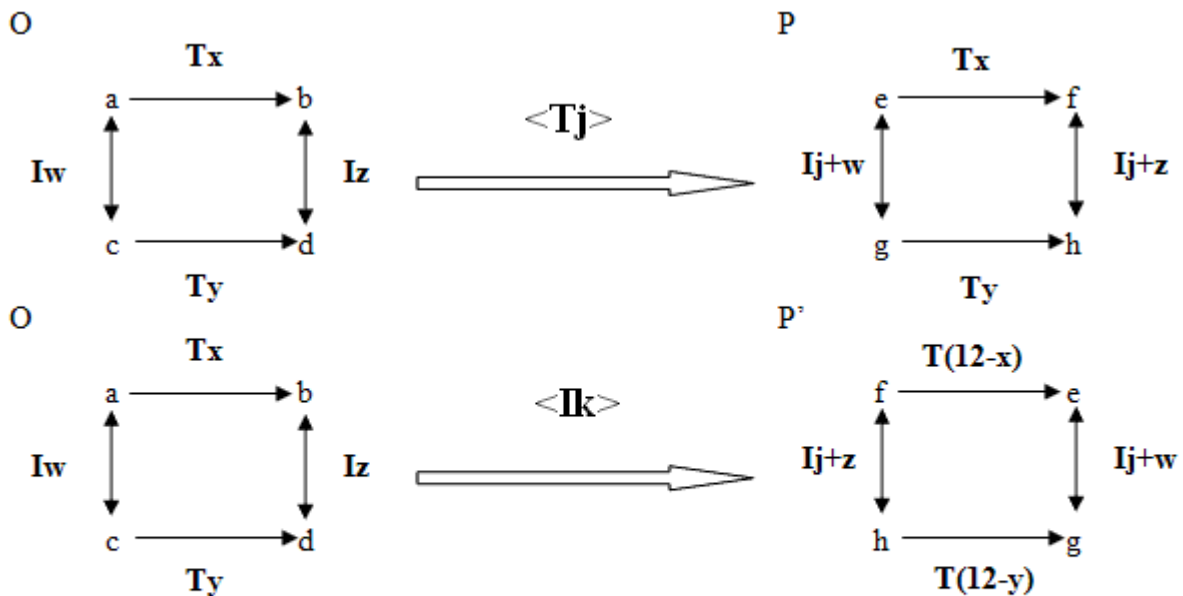
Example 8. Presents the networks that are represented as nodes in Example 8



Example 9. The network presented in Example 9 with the pitch-class labeling changed to E=0

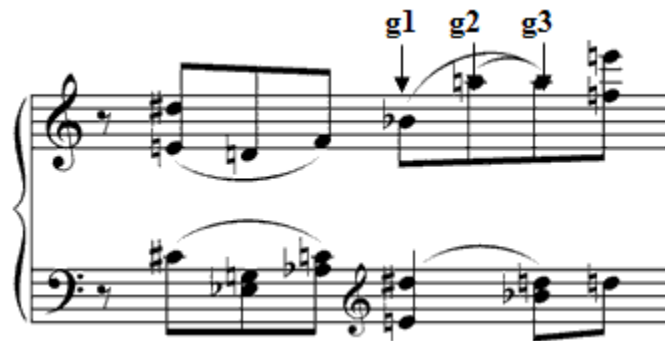


Example 10. Demonstrates that certain graphs that are related by $\langle T_j \rangle$ are also related by $\langle I_k \rangle$ when one of the graphs is retrograded



$P = \langle T_j \rangle O$
 $w + j + z = z + j + w = k$
 $P' = \langle I_k \rangle O'$

Example 11. Schoenberg, *Pierrot Lunaire* No. 4 (*Eine blasse Wäscherin*), measures 13–14



Example 12. K-nets that interpret chords g1, g2 and g3 from Example 12

