HOMEWORK EXERCISES

Assignment 65—Twelve Tone 2: Constructing a Matrix

Section 1. Construct a 12 by 12 matrix for the prime form of a twelve-tone row given in pitch integers. Include labels for all row forms including all transposition levels (P₀, R₃, I₈, RI₆, etc.). Use note names in the matrix, not integers.

P₆: 6 4 11 10 3 9 7 8 5 2 0 1

(continued on next page)
Section 2. For the following excerpt, determine $P_5$ and identify each row form and statement.

Section 3. Given the prime form of a twelve-tone row in pitch integers, write the specified row forms in the staves below.

$P_9$: 9 11 5 2 6 0 1 7 3 4 10 8

$I_2$

$RI_1$

(scratch paper)
Section 4. Referring to the row in Section 3 (P₉: 9 11 5 2 6 0 1 7 3 4 10 8), label the row forms on the staves below.

Row form: _______

Row form: _______

Section 5. Set Theory Review. Referring to the row in Section 3 (P₉: 9 11 5 2 6 0 1 7 3 4 10 8), put each set into normal form, prime form, and provide the interval vector.

<table>
<thead>
<tr>
<th>Set 1</th>
<th>Set 2</th>
<th>Set 3</th>
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<tbody>
<tr>
<td>P₉: [9 11 5 2 6 0 1 7 3 4 10 8]</td>
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Set 1. Normal form: ____________ Prime form: ____________ Interval vector: ____________

(cratch paper)