### A) One-Color Latin Square

<table>
<thead>
<tr>
<th>Arrays</th>
<th>G1</th>
<th>G2</th>
<th>G3</th>
<th>G4</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1</td>
<td>L1</td>
<td>L2</td>
<td>L3</td>
<td>L4</td>
</tr>
<tr>
<td>A2</td>
<td>L2</td>
<td>L1</td>
<td>L4</td>
<td>L3</td>
</tr>
<tr>
<td>A3</td>
<td>L3</td>
<td>L4</td>
<td>L1</td>
<td>L2</td>
</tr>
<tr>
<td>A4</td>
<td>L4</td>
<td>L3</td>
<td>L2</td>
<td>L1</td>
</tr>
</tbody>
</table>

### B) Two-Color Graeco-Latin Square

<table>
<thead>
<tr>
<th>Arrays</th>
<th>G1</th>
<th>G2</th>
<th>G3</th>
<th>G4</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1</td>
<td>gl1</td>
<td>gl2</td>
<td>gl3</td>
<td>gl4</td>
</tr>
<tr>
<td>A2</td>
<td>rl1</td>
<td>rl2</td>
<td>rl3</td>
<td>rl4</td>
</tr>
<tr>
<td>A3</td>
<td>gl3</td>
<td>rl4</td>
<td>gl1</td>
<td>rl2</td>
</tr>
<tr>
<td>A4</td>
<td>rl3</td>
<td>rl4</td>
<td>gl2</td>
<td>rl1</td>
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</table>

### C) Pools of Genes

<table>
<thead>
<tr>
<th>Pools</th>
<th>Genes</th>
<th>G1</th>
<th>G2</th>
<th>G3</th>
<th>G4</th>
</tr>
</thead>
<tbody>
<tr>
<td>W</td>
<td>L1</td>
<td>L2</td>
<td>L3</td>
<td>L4</td>
<td></td>
</tr>
<tr>
<td>X</td>
<td>L2</td>
<td>L1</td>
<td>L4</td>
<td>L3</td>
<td></td>
</tr>
<tr>
<td>Y</td>
<td>L3</td>
<td>L4</td>
<td>L1</td>
<td>L2</td>
<td></td>
</tr>
<tr>
<td>Z</td>
<td>L4</td>
<td>L3</td>
<td>L2</td>
<td>L1</td>
<td></td>
</tr>
</tbody>
</table>

### D) One-Color Latin Square

<table>
<thead>
<tr>
<th>Pools</th>
<th>Arrays</th>
</tr>
</thead>
<tbody>
<tr>
<td>W</td>
<td>A1</td>
</tr>
<tr>
<td>X</td>
<td>A2</td>
</tr>
<tr>
<td>Y</td>
<td>A3</td>
</tr>
<tr>
<td>Z</td>
<td>A4</td>
</tr>
</tbody>
</table>

### E) Two-Color Graeco-Latin Square

<table>
<thead>
<tr>
<th>Pools</th>
<th>Arrays</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1</td>
<td>gw, rw</td>
</tr>
<tr>
<td>A2</td>
<td>gx, rz</td>
</tr>
<tr>
<td>A3</td>
<td>gy, rx</td>
</tr>
<tr>
<td>A4</td>
<td>gz, ry</td>
</tr>
</tbody>
</table>