

Catalog of Worlds

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Printed by Small Editions, New York City
Limited release

Reeder, Bryan
Catalog of Worlds
Archival ink on National Brand Analysis Pad
24 sheets of 11 x 16 $\frac{3}{8}$ inches paper

Printed in the United States of America

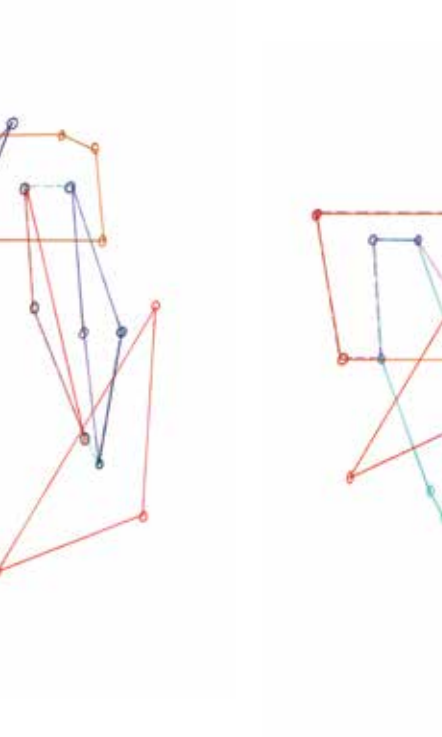
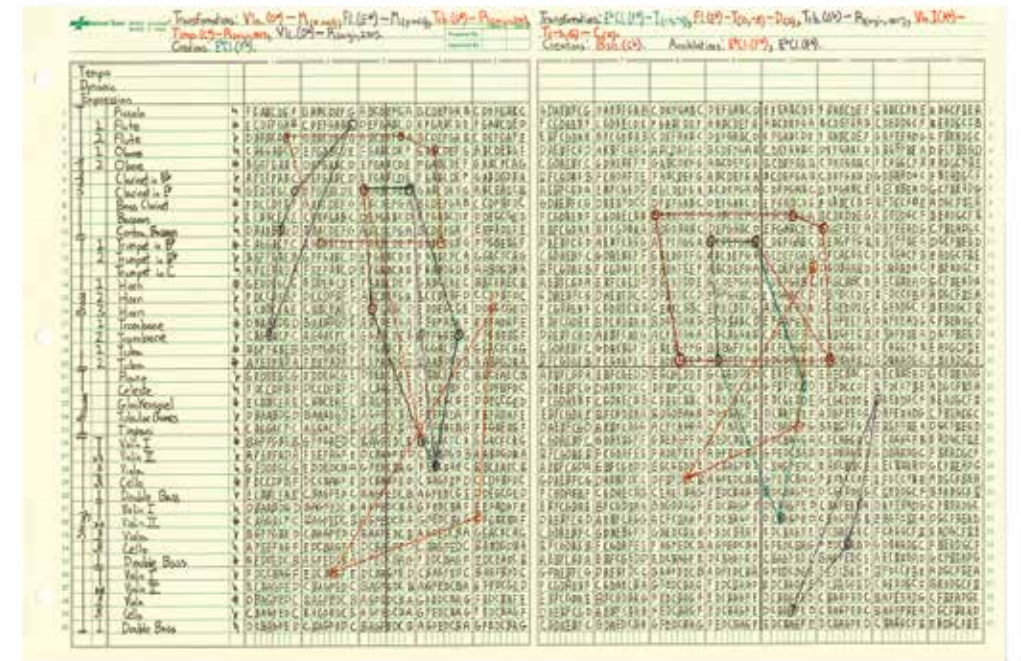
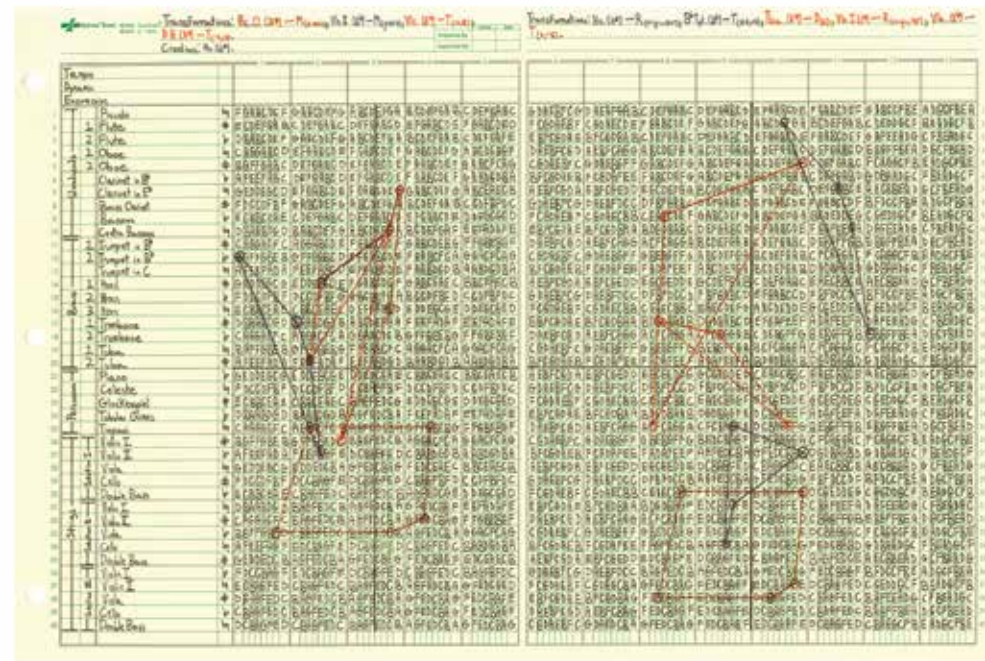
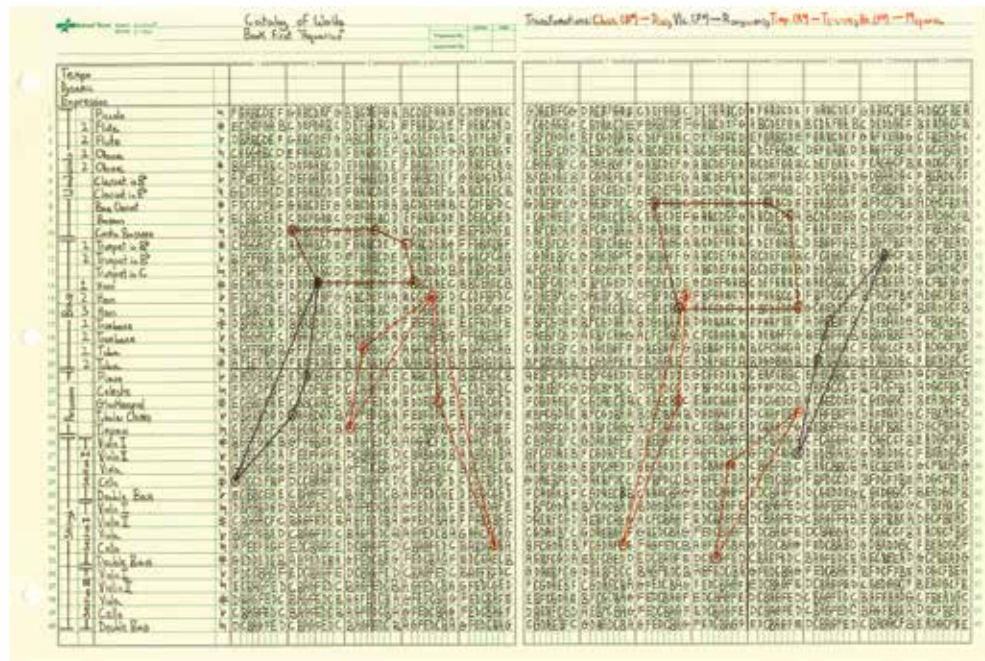
INTRODUCTION

Catalog of Worlds was composed over the course of a year, finally being completed in early 2015. It consists of four books, each having six pages with two systems to a page. The work belongs to a series of compositions that employ an original form of music notation. Different geometric shapes overlay a pitch matrix that fills each box of a graph with a spiral sequence of pitches. The vertices of each shape determine the pitch class that will sound at the moment of its linear position as time scales left to right across the page. The shapes that begin each book are figuratively based on selected constellations. Every shape undergoes a sequence of geometric transformations (e.g., rotation, translation, dilation) as the book progresses. At times, a shape may be annihilated or created, but the pitch development is determined by the transformations in graphic space. The space itself is in constant flux as the grid stretches and shrinks back to size on each consecutive page. Each row is assigned to a different musical instrument, providing an orchestration of the pitch and rhythmic material.

The work is not intended for performance, but is conceived as an artistic illustration of a musical ontology. As a method of musical composition it warrants little attention. It is an application of mathematical thought to the aural domain, not a real development in musical thought. But as a conceptual piece, straddling the border between the visual and musical arts, it reveals itself as the creation of a universe complete with particles and elements, their organization, laws of transformation, and even the occasional mistake or act of randomness. For the author, Catalog of Worlds has taken the form of a list, a map, an esoteric code, a musical outline, and a drawing. But none of these meanings competes with the significance of the process of its creation. The repetitive aspect of its construction becomes a type of practice, much like a musician's rehearsal and refinement of a piece. The persistence and time required for its creation are intentionally visible in its obsessive appearance. The process, in demanding of the creator a prolonged engagement with and commitment to the work's unfolding, becomes a meditative piece itself. With the advent of new technologies and shifts in culture, as well as changing attitudes concerning the separation of one's artwork and labor, time intensive forms of practice are becoming lost in the arts.

Catalog of Worlds has been influenced and inspired by a number of artists and writers, but perhaps most of all by Hanne Darboven, whose work seems to somehow capture and contain the infinite. Further inspiration has come from Walter Benjamin, Umberto Eco and Peter Greenaway, who have in their own ways expressed the desire for possessing a complete description of nature. It is this idea that is often the driving force behind scientists, philosophers, detectives, photographers, and this author. Yet every book must be bound and so it must include within itself the rules and potential to continue amending itself because, as the world inevitably changes, so must it.

Book First "Aquarius"



Catalog of Worlds Book First "Aquarius"

Prepared By: _____ Date: _____ Approved By: _____

Transformations: Cbsn. (B^b) - D₍₂₎, Vlc. (F[#]) - R_(origin, 120°), Timp. (A[#]) - T_(-1, -10), Hn. (F[#]) - M_(y axis).

		1	2	3	4	5
Tempo						
Dynamic						
Expression						
1	Piccolo	h	FGABCDEF	G ABCDEF	G ABCDEF	GA BCDEF
2	1 Flute	#	ECDEFGA	BC DEFGA	BC DEFGA	BC DEFGA
3	2 Flute	b	DBACDEF	F G ABCDEF	F G ABCDEF	F G ABCDEF
4	1 Oboe	h	CAGGABC	D EFGABC	D EFGABC	D EFGABC
5	2 Oboe	#	BGFFGAB	C DEFGAB	C DEFGAB	C DEFGAB
6	Clarinet in B ^b	b	A FEEFABC	D EFGABC	D EFGABC	D EFGABC
7	Clarinet in E ^b	h	G EDDEG	C D EFGABC	C D EFGABC	C D EFGABC
8	Bass Clarinet	#	F DCCDFB	F G ABCDEF	F G ABCDEF	F G ABCDEF
9	Bassoon	b	ECBBCEA	E C DEFGA	E C DEFGA	E C DEFGA
10	Contra Bassoon	h	DBAABDG	D B A B D G B A	D B A B D G B A	D B A B D G B A
11	1 Trumpet in B ^b	#	CAGGACF	C A G G A C F	C A G G A C F	C A G G A C F
12	2 Trumpet in B ^b	b	BGFFGAB	B G F F G A B	B G F F G A B	B G F F G A B
13	Trumpet in C	h	A FEEFAD	A F E E F A D	A F E E F A D	A F E E F A D
14	1 Horn	#	G EDDEG	C D EFGABC	C D EFGABC	C D EFGABC
15	2 Horn	b	F DCCDFB	F G ABCDEF	F G ABCDEF	F G ABCDEF
16	3 Horn	h	ECBBCEA	E C DEFGA	E C DEFGA	E C DEFGA
17	1 Trombone	#	DBAABDG	D B A B D G B A	D B A B D G B A	D B A B D G B A
18	2 Trombone	b	CAGGACF	C A G G A C F	C A G G A C F	C A G G A C F
19	1 Tuba	h	BGFFGAB	B G F F G A B	B G F F G A B	B G F F G A B
20	2 Tuba	#	A FEEFAD	A F E E F A D	A F E E F A D	A F E E F A D
21	Piano	b	G EDDEG	C D EFGABC	C D EFGABC	C D EFGABC
22	Celeste	h	F DCCDFB	F G ABCDEF	F G ABCDEF	F G ABCDEF
23	Gluckenspiel	#	ECBBCEA	E C DEFGA	E C DEFGA	E C DEFGA
24	Tubular Chimes	b	DBAABDG	D B A B D G B A	D B A B D G B A	D B A B D G B A
25	Timpani	h	CAGGACF	C A G G A C F	C A G G A C F	C A G G A C F
26	Violin I	#	BGFFGAB	B G F F G A B	B G F F G A B	B G F F G A B
27	Violin II	b	A FEEFAD	A F E E F A D	A F E E F A D	A F E E F A D
28	Viola	h	G EDDEG	C D EFGABC	C D EFGABC	C D EFGABC
29	Cello	#	F DCCDFB	F G ABCDEF	F G ABCDEF	F G ABCDEF
30	Double Bass	b	ECBBCEA	E C DEFGA	E C DEFGA	E C DEFGA
31	Violin I	h	DBAABDG	D B A B D G B A	D B A B D G B A	D B A B D G B A
32	Violin II	#	CAGGACF	C A G G A C F	C A G G A C F	C A G G A C F
33	Viola	b	BGFFGAB	B G F F G A B	B G F F G A B	B G F F G A B
34	Cello	h	A FEEFAG	A F E E F A G	A F E E F A G	A F E E F A G
35	Double Bass	#	G EDDEG	C D EFGABC	C D EFGABC	C D EFGABC
36	Violin I	b	F DCCBAG	F D C C B A G	F D C C B A G	F D C C B A G
37	Violin II	h	ECBAGFE	E C B A G F E	E C B A G F E	E C B A G F E
38	Viola	#	DBAGFED	D B A G F E D	D B A G F E D	D B A G F E D
39	Cello	b	CBAGFED	C B A G F E D	C B A G F E D	C B A G F E D
40	Double Bass	h	DCBAGFE	D C B A G F E	D C B A G F E	D C B A G F E

	6	7	8	9	10	11	12	13
1	GDAEBFCG	D AEBFCG	C DEFGABC	D EFGABC	E FGABCDE	F G ABCDEF	G ABCDEF	A D G C F B E A
2	FCGDAEBF	C GDAEBF	F G ABCDEF	F G ABCDEF	A BCDEFGA	B C DEFGBA	C DEFGABC	B E A D G C F B
3	E BFCGDAE	B F C G D A E	C DEFGABC	D EFGABC	E FGABCDE	F G ABCDEF	G A F E E A D G	C F B E A D G C
4	DAEBFCGD	A E B F C G D	A BCDEFGA	B C DEFGBA	C DEFGABC	D EFGABC	E B G F F B E A	D G C F B E A D
5	CGDAEBFC	G D A E B F C	F G ABCDEF	F G ABCDEF	A BCDEFGA	B C DEFGBA	C DEFGABC	F A D G C F B E
6	BFCGDAEB	B F C G D A E	F G ABCDEF	F G ABCDEF	A BCDEFGA	B C DEFGBA	C DEFGABC	G D B A A D G C
7	AEBFCGDA	A E B F C G D	A BCDEFGA	B C DEFGBA	C DEFGABC	D EFGABC	E A E C B B E A D	G C F B E A D G
8	GDAEBFCG	D A E B F C G	C DEFGABC	D EFGABC	E FGABCDE	F G ABCDEF	G A B C C F B E	A D G C F B E A
9	FCGDAEBF	C G D A E B F	F G ABCDEF	F G ABCDEF	A BCDEFGA	B C DEFGBA	C DEFGABC	C E D D G C F B
10	E BFCGDAE	B F C G D A E	C DEFGABC	D EFGABC	E FGABCDE	F G ABCDEF	G A F E E F A D	A F E E A D G C
11	DAEBFCGD	A E B F C G D	A BCDEFGA	B C DEFGBA	C DEFGABC	D EFGABC	E B G F F B E A	D G C F B E A D
12	CGDAEBFC	G D A E B F C	F G ABCDEF	F G ABCDEF	A BCDEFGA	B C DEFGBA	C DEFGABC	F C A G G C F B E
13	BFCGDAEB	B F C G D A E	F G ABCDEF	F G ABCDEF	A BCDEFGA	B C DEFGBA	C DEFGABC	G D B A A D G C
14	AEBFCGDA	A E B F C G D	A BCDEFGA	B C DEFGBA	C DEFGABC	D EFGABC	E A E C B B E A D	G C F B E A D G
15	GDAEBFCG	D A E B F C G	C DEFGABC	D EFGABC	E FGABCDE	F G ABCDEF	G A B C C F B E	A D G C F B E A
16	FCGDAEBF	C G D A E B F	F G ABCDEF	F G ABCDEF	A BCDEFGA	B C DEFGBA	C DEFGABC	C E D D G C F B
17	E BFCGDAE	B F C G D A E	C DEFGABC	D EFGABC	E FGABCDE	F G ABCDEF	G A F E E F A D	A F E E A D G C
18	DAEBFCGD	A E B F C G D	A BCDEFGA	B C DEFGBA	C DEFGABC	D EFGABC	E B G F F B E A	D G C F B E A D
19	CGDAEBFC	G D A E B F C	F G ABCDEF	F G ABCDEF	A BCDEFGA	B C DEFGBA	C DEFGABC	F C A G G C F B E
20	BFCGDAEB	B F C G D A E	F G ABCDEF	F G ABCDEF	A BCDEFGA	B C DEFGBA	C DEFGABC	G D B A A D G C
21	AEBFCGDA	A E B F C G D	A BCDEFGA	B C DEFGBA	C DEFGABC	D EFGABC	E A E C B B E A D	G C F B E A D G
22	GDAEBFCG	D A E B F C G	C DEFGABC	D EFGABC	E FGABCDE	F G ABCDEF	G A B C C F B E	A D G C F B E A
23	FCGDAEBF	C G D A E B F	F G ABCDEF	F G ABCDEF	A BCDEFGA	B C DEFGBA	C DEFGABC	C E D D G C F B
24	E BFCGDAE	B F C G D A E	C DEFGABC	D EFGABC	E FGABCDE	F G ABCDEF	G A F E E F A D	A F E E A D G C
25	DAEBFCGD	A E B F C G D	A BCDEFGA	B C DEFGBA	C DEFGABC	D EFGABC	E B G F F B E A	D G C F B E A D
26	CGDAEBFC	G D A E B F C	F G ABCDEF	F G ABCDEF	A BCDEFGA	B C DEFGBA	C DEFGABC	F C A G G C F B E
27	BFCGDAEB	B F C G D A E	F G ABCDEF	F G ABCDEF	A BCDEFGA	B C DEFGBA	C DEFGABC	G D B A A D G C
28	AEBFCGDA	A E B F C G D	A BCDEFGA	B C DEFGBA	C DEFGABC	D EFGABC	E A E C B B E A D	G C F B E A D G
29	GDAEBFCG	D A E B F C G	C DEFGABC	D EFGABC	E FGABCDE	F G ABCDEF	G A B C C F B E	A D G C F B E A
30	FCGDAEBF	C G D A E B F	F G ABCDEF	F G ABCDEF	A BCDEFGA	B C DEFGBA	C DEFGABC	C E D D G C F B
31	E BFCGDAE	B F C G D A E	C DEFGABC	D EFGABC	E FGABCDE	F G ABCDEF	G A F E E F A D	A F E E A D G C
32	DAEBFCGD	A E B F C G D	A BCDEFGA	B C DEFGBA	C DEFGABC	D EFGABC	E B G F F B E A	D G C F B E A D
33	CGDAEBFC	G D A E B F C	F G ABCDEF	F G ABCDEF	A BCDEFGA	B C DEFGBA	C DEFGABC	F C A G G C F B E
34	BFCGDAEB	B F C G D A E	F G ABCDEF	F G ABCDEF	A BCDEFGA	B C DEFGBA	C DEFGABC	G D B A A D G C
35	AEBFCGDA	A E B F C G D	A BCDEFGA	B C DEFGBA	C DEFGABC	D EFGABC	E A E C B B E A D	G C F B E A D G
36	GDAEBFCG	D A E B F C G	C DEFGABC	D EFGABC	E FGABCDE	F G ABCDEF	G A B C C F B E	A D G C F B E A
37	FCGDAEBF	C G D A E B F	F G ABCDEF	F G ABCDEF	A BCDEFGA	B C DEFGBA	C DEFGABC	C E D D G C F B
38	E BFCGDAE	B F C G D A E	C DEFGABC	D EFGABC	E FGABCDE	F G ABCDEF	G A F E E F A D	A F E E A D G C
39	DAEBFCGD	A E B F C G D	A BCDEFGA	B C DEFGBA	C DEFGABC	D EFGABC	E B G F F B E A	D G C F B E A D
40	CGDAEBFC	G D A E B F C	F G ABCDEF	F G ABCDEF	A BCDEFGA	B C DEFGBA	C DEFGABC	F C A G G C F B E

Transformations: $B_s.C_l.(B^*) - M_{(x,axi)} Vln.I.(B^*) - M_{(y,axi)} Vlc.(E^*) - T_{(1,2,5)}$
 $D.B.(A^*) - T_{(-5,10)}$
 Creations: $Hn.(G^*)$

Prepared By	Initials	Date
Approved By		

Tempo	Dynamic	Expression	1	2	3	4	5	
1		Piccolo	4	FGAB CDEF	G ABCDEF G	A BCDEF GA	B CDEF GA B	C DEF GA BC
2	1	Flute	#	ECDEF GAB	C DEF GABC	DEF G ABCD	EFG ABCDE	F G ABCDE D
3	2	Flute	b	DBAR CDEF	G ABCDEF G	A BCDEF GA	B CDEF GA B	C DEF GA FE
4	1	Oboe	4	CAGG ABC	D EFG ABCD	E F G ABCDE	F G ABCDEF	G ABCDEF G
5	2	Oboe	#	BGFFG ABC	DEF G ABCD	E F G ABCDE	F G ABCDEF	G ABCFCAG
6		Clarinet in B ^b	b	A FEEF ABC	DEF G ABCD	E F G ABCDE	F G ABCDEF	G A B D G D B A
7		Clarinet in E ^b	4	GEDDEGC	D EFG ABCD	E F G ABCDE	F G ABCDEF	G A B C E A E C B
8		Bass Clarinet	#	F DCCDF B	F G ABCDEF G	A BCDEF GA	B CDEF GA B	C D F B F D C
9		Bassoon	b	E C B B C E A E	C DEF G ABC	D EFG ABCD	E F G ABCDE	D E D E G C G E D
10		Contra Bassoon	4	D B A A B D G	D B A B C D E F G	A B C D E F G A	B C D E F G A	F E E F A D A F E
11	1	Trumpet in B ^b	#	CAGG A C F	A G G A B C D	E F G A B C D E	F G A B C D E G	F F G B E B G F
12	2	Trumpet in B ^b	b	G F F G B E B	G F F G A B C	D E F G A B C D	E F G A B C F C A	G G A C F C A G
13		Trumpet in C	4	A FEEF A D A	FEEF A B C D	E F G A B C D E	F G A B D G D B	A A B D G D B A
14	1	Horn	#	GEDDEGC	G E D D E G C	D E F G A B C	D E F G A B C	E A E C E A E C B
15	2	Horn	b	F D C C D F B	F D C C D F B G	A B C D E F G A	B C C D F B E D	C D F B F D C
16	3	Horn	4	E C B B C E A E	C B B C E A E C	D E F G A B C	D E D E G C G E D	D E D E G C G E D
17	1	Trombone	#	D B A A B D G	D B A A B D G B	A B C D E F G A	F E E F A D A F	E E F A D A F E
18	2	Trombone	b	CAGG A C F	A G G A C F C A	G G A B C D E B	G F F G B E B G	F F G B E B G F
19	1	Tuba	4	B G F F G B B	G F F G B E B G	F F G A B C F C	A G G A C F C A	G G A C F C A G
20	2	Tuba	#	A FEEF A D A	FEEF A D A F	E E F A B D G D	B A A B D G D B	A A B D G D B A
21		Piano	b	GEDDEGC	G E D D E G C G	E D D E G C E A E	C B B C E A E C	B B C E A E C B
22		Celeste	4	F D C C D F B	F D C C D F B D	C C B A G F B F	D C C D F B F D	C D F B F D C
23		Glockenspiel	#	E C B B C E A E	C B B C E A E C	B A G F E D C G	E D D E G C G E D	D E D E G C G E D
24		Tubular Chimes	b	D B A A B D G	D B A A B D G B	A B C D E F G A	F E E F A D A F	E E F A D A F E
25		Timpani	4	CAGG A C F	A G G A C F C A	G G A B C D E B A	G F F G B E B G	F F G B E B G F
26		Violin I	#	B G F F G B E B	G F F G B E B G	F F G A B C D E B	A G G A C F C A	G G A C F C A G
27		Violin II	b	A FEEF A D A	FEEF A D A F	E D C B A G F E D	C B A B D G D B	A A B D G D B A
28		Viola	4	GEDDEGC	G E D D E G C G	A G F E D C B A G	F E D C E A E C	B B C E A E C B
29		Cello	#	F D C C D F B	F D C C B A G F E	D C B A G F E D	C B A G F B F D	C D F B F D C
30		Double Bass	b	E C B B C E A E	C B A G F E D C	B A G F E D C B	A G F E D C G E D	D E D E G C G E D
31		Violin I	4	D B A A B D G	D B A G F E D C B	A G F E D C B A	G F E D C B A F	E E F A D A F E
32		Violin II	#	CAGG A C F	B A G F E D C B	A G F E D C B A	G F E D C B A G	F F G B E B G F
33		Viola	b	B G F F G B B	C B A G F E D C	B A G F E D C B	A G F E D C B A	G G A C F C A G
34		Cello	4	A FEEF A G F	E D C B A G F E	D C B A G F E D	C B A G F E D C	B A B D G D B A
35		Double Bass	#	G E D D E D C	B A G F E D C B A	G F E D C B A G	F E D C B A G F	E D C E A E C B
36		Violin I	b	F D C C B A G	F E D C B A G F	E D C B A G F E	D C B A G F E D	C B A G F B F D C
37		Violin II	4	E C B A G F E	D C B A G F E D	C B A G F E D C	B A G F E D C B A	G F E D C G E D
38		Viola	#	D B A G F E D	C B A G F E D C	B A G F E D C B A	G F E D C B A G	F E D C B A F E
39		Cello	b	C B A G F E D	C B A G F E D C	B A G F E D C B A	G F E D C B A G	F E D C B A G F
40		Double Bass	4	D C B A G F E	D C B A G F E D	C B A G F E D C	B A G F E D C B A	G F E D C B A G

Transformations: $Hn.(G^*) - R_{(origin, 120^\circ)} B^* T_{pt.}(B^*) - T_{(2,5,10)}$, $Tba.(E^*) - D_{(5)}$, $Vln.I.(C^*) - R_{(origin, 90^\circ)}$, $Vln.II.(E^*) - T_{(0,-5)}$

6	7	8	9	10	11	12	13
G D A E B F C G	D A E B F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C C F B E	A D G C F B E A
F C G D A E B F	C G D A E C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E D D G C F	B E A D G C F B
E B F C G D A E	B F C G D B A B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A F E E A D G	C F B E A D G C
D A E B F C G D	A E B F C A G G	A B C D E F G A	B C D E F G A B	C D E F G A B C	D E F G A B C D	E B G F F B E A	D G C F B E A D
C G D A E B F C	G D A E B G F F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C	D E F G A B C	F C A G G C F B
B F C G D A E B	F C G D A F E E	F A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C	D E F G A B C	G D B A A D G C
A E B F C G D A	E B F C G E D D	E G C D E F G A	B C D E F G A B	C D E F G A B C	D E F G A B C	D E F G A B C	A E C B B E A D
G D A E B F C G	D A E B F D C C	D F B F D C C D	F B F G A B C D	E F G A B C C D	F B F D C C D F	B F D C C F B E	A D G C F B E A
F C G D A E B F	C G D A E C B B	C E A E C B B C	E A E C D E F G	A B C D E D D E	G C G E D D E G	C G E D D G C F	B E A D G C F B
E B F C G D A E	B F C G D B A A	B D G D B A B C	D E F G A B C D	E F G A F E E F	A D A F E E F A	D A F E E A D G	C F B E A D G C
D A E B F C G D	A E B F C A G G	A C F C A G G A	B C D E F G A B	C D E F G A B C	D E B G F F G B	E B G F F B E A	D G C F B E A D
C G D A E B F C	G D A E B G F F	G B E B G F F G	A B C D E F G A	B C D E F G A B	C F C A G G A C	F C A G G C F B	E A D G C F B E
B F C G D A E B	F C G D A F E E	F A D A F E E F	A B C D E F G A	B C D E F G A B	D G D B A A B D	G D B A A D G C	F B E A D G C F
A E B F C G D A	E B F C G E D D	E G C G E D D E	G C D E F G A B	C D E F G A B C	E A E C B B C E	A E C B B E A D	G C F B E A D G
G D A E B F C G	D A E B F D C C	D F B F D C C D	F B F G A B C D	E F G A B C C D	F B F D C C D F	B F D C C F B E	A D G C F B E A
F C G D A E B F	C G D A E C B B	C E A E C B B C	E A E C B A G F	E D C G E D D E	G C G E D D E G	C G E D D G C F	B E A D G C F B
E B F C G D A E	B F C G D B A A	B D G D B A B C	D G D B A B C D	E F G A F E E F	A D A F E E F A	D A F E E A D G	C F B E A D G C
D A E B F C G D	A E B F C A G G	A C F C A G G A	C F C B A G F E	D C B A G F E G	B E B G F F G B	E B G F F B E A	D G C F B E A D
C G D A E B F C	G D A E B G F F	G B E B G F F G	B E D C B A G F	E D C B A G G A	C F C A G G A C	F C A G G C F B	E A D G C F B E
B F C G D A E B	F C G D A F E E	F A D A F E E F	A G F E D C B A	G F E D C B A G	D G D B A A B D	G D B A A D G C	F B E A D G C F
A E B F C G D A	E B F C G E D D	E G C G E D D E	D C B A G F E D	C B A G F E D C	E A E C B B C E	A E C B B E A D	G C F B E A D G
G D A E B F C G	D A E B F D C C	D F B F D C C B	A G F E D C B A	G F E D C B A G	F B F D C C D F	B F D C C F B E	A D G C F B E A
F C G D A E B F	C G D A E C B B	C E A E C B B C	F E D C B A G F	E D C B A G F E	D C B A G F E D	C G E D D G C F	B E A D G C F B
E B F C G D A E	B F C G D B A A	B D G D B A B C	F E D C B A G F	E D C B A G F E	D C B A G F E D	C B A F E E F A	D A F E E A D G
D A E B F C G D	A E B F C A G G	A C F C A G G A	F E D C B A G F	E D C B A G F E	D C B A G F E D	C B A G F F G B	E B G F F B E A
C G D A E B F C	G D A E B G F F	G B E B G F F G	F E D C B A G F	E D C B A G F E	D C B A G G A C	F C A G G C F B	E A D G C F B E
B F C G D A E B	F C G D A F E E	F A G F E D C B	A G F E D C B A	G F E D C B A G	F E D C B A B D	G D B A A D G C	F B E A D G C F
A E B F C G D A	E B F C G E D D	E D C B A G F E	D C B A G F E D	C B A G F E D C	B A G F E D C E	A E C B B E A D	G C F B E A D G
G D A E B F C G	D A E B F D C C	B A G F E D C B	A G F E D C B A	G F E D C B A G	F E D C B A G F	B F D C C F B E	A D G C F B E A
F C G D A E B F	C G D A E C B A	G F E D C B A G	F E D C B A G F	E D C B A G F E	D C B A G F E D	C G E D D G C F	B E A D G C F B
E B F C G D A E	B F C G D B A G	F E D C B A G F	E D C B A G F E	D C B A G F E D	C B A G F E D C	B A F E E A D G	C F B E A D G C
D A E B F C G D	A E B F C B A G	F E D C B A G F	E D C B A G F E	D C B A G F E D	C B A G F E D C	B A G F F B E A	D G C F B E A D
C G D A E B F C	G D A E D C B A	G F E D C B A G	F E D C B A G F	E D C B A G F E	D C B A G F E D	C B A G F E D C	B A G G C F B E
B F C G D A E B	F C G D A B A G	F E D C B A G F	E D C B A G F E	D C B A G F E D	C B A G F E D C	B A G F F B E A	D G C F B E A D
A E B F C G D A	E B F C G A G F	E D C B A G F E	D C B A G F E D	C B A G F E D C	B A G F E D C E	A E C B B E A D	G C F B E A D G
G D A E B F C G	D A E B F D C C	B A G F E D C B	A G F E D C B A	G F E D C B A G	F E D C B A G F	B F D C C F B E	A D G C F B E A
F C G D A E B F	C G D A E C B A	G F E D C B A G	F E D C B A G F	E D C B A G F E	D C B A G F E D	C G E D D G C F	B E A D G C F B
E B F C G D A E	B F C G D B A G	F E D C B A G F	E D C B A G F E	D C B A G F E D	C B A G F E D C	B A F E E A D G	C F B E A D G C
D A E B F C G D	A E B F C B A G	F E D C B A G F	E D C B A G F E	D C B A G F E D	C B A G F E D C	B A G F F B E A	D G C F B E A D
C G D A E B F C	G D A E D C B A	G F E D C B A G	F E D C B A G F	E D C B A G F E	D C B A G F E D	C B A G G C F B	E A D G C F B E



Transformations: Vla. (D^h) - M_(x axis), Fl. (E^h) - M_(y axis), Trb. (G^h) - R_(origin, 270°)
 Timp. (C^h) - R_(origin, 180°), Vlc. (D^h) - R_(origin, 270°)
 Creations: E^bCl. (F^h)

Prepared By
 Approved By

Tempo	Dynamic	Expression	1	2	3	4	5
1		Piccolo	h	F	G	A	B
2	1	Flute	#	E	F	G	A
3	2	Flute	b	D	B	A	C
4	1	Oboe	h	C	A	G	G
5	2	Oboe	#	B	G	F	F
6		Clarinet in Bb	b	A	F	E	F
7		Clarinet in Eb	h	G	E	D	E
8		Bass Clarinet	#	F	D	C	C
9		Bassoon	b	E	C	B	C
10		Contra Bassoon	h	D	B	A	B
11	1	Trumpet in Bb	#	C	A	G	G
12	2	Trumpet in Bb	b	B	G	F	F
13		Trumpet in C	h	A	F	E	F
14	1	Horn	#	G	E	D	E
15	2	Horn	b	F	D	C	C
16	3	Horn	h	E	C	B	C
17	1	Trombone	#	D	B	A	B
18	2	Trombone	b	C	A	G	G
19	1	Tuba	#	B	G	F	F
20	2	Tuba	#	A	F	E	F
21		Piano	b	G	E	D	E
22		Celeste	h	F	D	C	C
23		Glockenspiel	#	E	C	B	C
24		Tubular Chimes	b	D	B	A	B
25		Timpani	h	C	A	G	G
26		Violin I	#	B	G	F	F
27		Violin II	b	A	F	E	F
28		Viola	h	G	E	D	E
29		Cello	#	F	D	C	C
30		Double Bass	b	E	C	B	C
31		Violin I	h	D	B	A	B
32		Violin II	#	C	A	G	G
33		Viola	b	B	G	F	F
34		Cello	h	A	F	E	F
35		Double Bass	#	G	E	D	E
36		Violin I	b	F	D	C	C
37		Violin II	h	E	C	B	C
38		Viola	#	D	B	A	B
39		Cello	b	C	A	G	G
40		Double Bass	h	D	C	B	A

Transformations: E^bCl. (F^h) - T_(-4, -4), Fl. (E^h) - T_(0, -8) - D₍₂₎, Trb. (G^h) - R_(origin, 180°), Vln. I (A^b) - T_(-5, 5) - C₍₂₎
 Creations: Bsn. (C^b). Annihilations: E^bCl. (F^h), E^bCl. (F^h).

6	7	8	9	10	11	12	13
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A

Transformations: Cel. (C⁴) - M(x-axis), Pno. (C⁴) - T(5,9), Tba. (F⁴) - R(origin, 120°)
 B^bpt. (D⁴) - M(x-axis), Bs. Cl. (E⁴) - M(y-axis)
 Annihilations: Vln. II (D⁴)

Prepared By _____ Date _____
 Approved By _____

Tempo	Dynamic	Expression	1	2	3	4	5	
1		Piccolo	h	F	G	A	B	C
2	1	Flute	#	E	C	D	E	F
3	2	Flute	b	D	B	A	B	C
4	1	Oboe	h	C	A	G	A	B
5	2	Oboe	#	B	G	F	F	G
6		Clarinet in B ^b	b	A	F	E	E	F
7		Clarinet in E ^b	h	G	E	D	E	G
8		Bass Clarinet	#	F	D	C	D	E
9		Bassoon	b	E	C	B	C	E
10		Contra Bassoon	h	D	B	A	B	D
11	1	Trumpet in B ^b	#	C	A	G	A	C
12	2	Trumpet in B ^b	b	B	G	F	F	G
13		Trumpet in C	h	A	F	E	E	F
14	1	Horn	#	G	E	D	E	G
15	2	Horn	b	F	D	C	D	E
16	3	Horn	h	E	C	B	C	E
17	1	Trombone	#	D	B	A	B	D
18	2	Trombone	b	C	A	G	A	C
19	1	Tuba	h	B	G	F	F	G
20	2	Tuba	#	A	F	E	E	F
21		Piano	b	G	E	D	E	G
22		Celeste	h	F	D	C	D	E
23		Glockenspiel	#	E	C	B	C	E
24		Tubular Chimes	b	D	B	A	B	D
25		Timpani	h	C	A	G	A	C
26		Violin I	#	B	G	F	F	G
27	Section I	Violin II	b	A	F	E	E	F
28		Viola	h	G	E	D	E	G
29	Section I	Cello	#	F	D	C	D	E
30		Double Bass	b	E	C	B	C	E
31	Section II	Violin I	h	D	B	A	B	D
32		Violin II	#	C	A	G	A	C
33	Section II	Viola	b	B	G	F	F	G
34		Cello	h	A	F	E	E	F
35		Double Bass	#	G	E	D	E	G
36	Section III	Violin I	b	F	D	C	D	E
37		Violin II	h	E	C	B	C	E
38	Section III	Viola	#	D	B	A	B	D
39		Cello	b	C	A	G	A	C
40		Double Bass	h	D	C	B	A	B

Transformations: Tba. (F⁴) - C(1), Cel. (D⁴) - R(origin, 270°), Vln. I (C⁴) - D(2) - T(-4,0), Ob. (D⁴) - R(origin, 90°)
 Annihilations: Pno. (F⁴)

6	7	8	9	10	11	12	13
1	G	D	A	E	B	F	C
2	F	C	G	D	A	E	B
3	E	B	F	C	G	D	A
4	D	A	E	B	F	C	G
5	C	G	D	A	E	B	F
6	B	F	C	G	D	A	E
7	A	E	B	F	C	G	D
8	G	D	A	E	B	F	C
9	F	C	G	D	A	E	B
10	E	B	F	C	G	D	A
11	D	A	E	B	F	C	G
12	C	G	D	A	E	B	F
13	B	F	C	G	D	A	E
14	A	E	B	F	C	G	D
15	G	D	A	E	B	F	C
16	F	C	G	D	A	E	B
17	E	B	F	C	G	D	A
18	D	A	E	B	F	C	G
19	C	G	D	A	E	B	F
20	B	F	C	G	D	A	E
21	A	E	B	F	C	G	D
22	G	D	A	E	B	F	C
23	F	C	G	D	A	E	B
24	E	B	F	C	G	D	A
25	D	A	E	B	F	C	G
26	C	G	D	A	E	B	F
27	B	F	C	G	D	A	E
28	A	E	B	F	C	G	D
29	G	D	A	E	B	F	C
30	F	C	G	D	A	E	B
31	E	B	F	C	G	D	A
32	D	A	E	B	F	C	G
33	C	G	D	A	E	B	F
34	B	F	C	G	D	A	E
35	A	E	B	F	C	G	D
36	G	D	A	E	B	F	C
37	F	C	G	D	A	E	B
38	E	B	F	C	G	D	A
39	D	A	E	B	F	C	G
40	C	G	D	A	E	B	F

Transformations: Trb. (G^b) - M(y axis), Vln. II (A[#]) - T(0,7),
 Vln. I (A[#]) - R (orig, 90°), Hn. (B^b) - T(-3,-2).

Prepared By _____ Initials _____ Date _____
 Approved By _____

Tempo	Dynamic	Expression	1	2	3	4	5
1	T	Piccolo	4	F G A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B
2	1	Flute	#	E C D E F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E
3	2	Flute	b	D B A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B
4	1	Oboe	4	C A G G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
5	2	Oboe	#	B G F F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F
6		Clarinet in B ^b	b	A F E E F A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F
7		Clarinet in E ^b	4	G E D D E G C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
8		Bass Clarinet	#	F D C C D F B F	G A B C D E F G	A B C D E F G A	B C D E F G A B
9		Bassoon	b	E C B B C E A E	C D E F G A B C	D E F G A B C D	E F G A B C D E
10		Contra Bassoon	4	D B A A B D G D	B A B D G D B	A B C D E F G A	B C D E F G A B
11	1	Trumpet in B ^b	#	C A G G A C F C	A G G A B C D E	F G A B C D E F	G A B C D E F G
12	2	Trumpet in B ^b	b	B G F F G B E B	G F F G B E B G	F G A B C D E F	G A B C D E F G
13		Trumpet in C	4	A F E E F A D A	F E E F A D A F	E F G A B C D E	F G A B C D E F
14	1	Horn	#	G E D D E G C D	E D D E G C D E	F G A B C D E F	G A B C D E F G
15	2	Horn	b	F D C C D F B F	D C C D F B F G	A B C D E F G A	B C D E F G A B
16	3	Horn	4	E C B B C E A E	C B B C E A E C	D E F G A B C D	E D E G G E D D
17	1	Trombone	#	D B A A B D G D	B A A B D G D B	A B C D E F G A	F E E F A D A F
18	2	Trombone	b	C A G G A C F C	A G G A C F C A	G A B C D E F G	C F C B E B G F
19	1	Tuba	4	B G F F G B E B	G F F G B E B G	F G A B C D E F	G A G A C F C A G
20	2	Tuba	#	A F E E F A D A	F E E F A D A F	E F A B D G D B	A A B D G D B A
21		Piano	b	G E D D E G C G	E D D E G C G E	D D E D C E A E	C B B C E A E C
22		Celeste	4	F D C C D F B F	D C C D F B F D	C B A G F B F D	C C D F B E D C
23		Gluckenspiel	#	E C B B C E A E	C B B C E A E C	B A G E D C G E	D D E G C G E D
24		Tubular Chimes	b	D B A A B D G D	B A A B D G D B	A G F E D C B A	F E E F A D A F
25		Timpani	4	C A G G A C F C	A G G A C F C B	A G F E D C B A	C F F G B E B G F
26		Violin I	#	B G F F G B E B	G F F G B E B C	B A G F E D C B	A G G A C F C A G
27		Violin II	b	A F E E F A D A	F E E F A D A F	D C B A G F E D	C B A B D G D B A
28		Viola	4	G E D D E G C G	E D D E G C B A	G F E D C B A G	F E D C E A E C
29		Cello	#	F D C C D F B F	D C C D F B F E	D C B A G F E D	C B A G F B F D
30		Double Bass	b	E C B B C E A E	C B A G F E D C	B A G F E D C B	A F F E D C A E
31		Violin I	4	D B A A B D G D	B A G F E D C B	A G F E D C B A	F E F A D A F E
32		Violin II	#	C A G G A C F C	B A G F E D C B	A G F E D C B A	F F G B E B G F
33		Viola	b	B G F F G B E D	C B A G F E D C	B A G F E D C B	A G G A C F C A G
34		Cello	4	A F E E F A G F	E D C B A G F E	D C B A G F E D	C B A B D G D B A
35		Double Bass	#	G E D D E D C B	A G F E D C B A	G F E D C B A G	F E D C E A E C B
36		Violin I	b	F D C C B A G F	E D C B A G F E	D C B A G F E D	C B A G F B F D C
37		Violin II	4	E C B A G F E D	C B A G F E D C	B A G F E D C B	A G F E D C G E D
38		Viola	#	D B A G F E D C	B A G F E D C B	A G F E D C B A	G F E D C B A F E
39		Cello	b	C B A G F E D C	B A G F E D C B	A G F E D C B A	G F E D C B A G F
40		Double Bass	4	D C B A G F E D	C B A G F E D C	B A G F E D C B	A G F E D C B A G

Transformations: Timp (A[#]) - D(5), Trb. (G^b) - R (orig, 270°),
 Annihilations: Hn. (G^b), Fl. (E^b).

6	7	8	9	10	11	12	13
1	G D A E B F C G	D A E B F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
2	F C G D A E B F	C G D A E B F G	A B C D E F G A	B C D E F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E
3	E B F C G D A E	B F C G D A E F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C	D E F G A B C D
4	D A E B F C G D	A E B F C G D E	F G A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C
5	C G D A E B F C	G D A E B F C G	A B C D E F G A	B C D E F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E
6	B F C G D A E B	F C G D A E B F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C	D E F G A B C D
7	A E B F C G D A	E B F C G D A E	F G A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C
8	G D A E B F C G	D A E B F C G D	F G A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C
9	F C G D A E B F	C G D A E B F G	A B C D E F G A	B C D E F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E
10	E B F C G D A E	B F C G D A E F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C	D E F G A B C D
11	D A E B F C G D	A E B F C G D E	F G A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C
12	C G D A E B F C	G D A E B F C G	A B C D E F G A	B C D E F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E
13	B F C G D A E B	F C G D A E B F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C	D E F G A B C D
14	A E B F C G D A	E B F C G D A E	F G A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C
15	G D A E B F C G	D A E B F C G D	F G A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C
16	F C G D A E B F	C G D A E B F G	A B C D E F G A	B C D E F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E
17	E B F C G D A E	B F C G D A E F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C	D E F G A B C D
18	D A E B F C G D	A E B F C G D E	F G A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C
19	C G D A E B F C	G D A E B F C G	A B C D E F G A	B C D E F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E
20	B F C G D A E B	F C G D A E B F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C	D E F G A B C D
21	A E B F C G D A	E B F C G D A E	F G A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C
22	G D A E B F C G	D A E B F C G D	F G A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C
23	F C G D A E B F	C G D A E B F G	A B C D E F G A	B C D E F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E
24	E B F C G D A E	B F C G D A E F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C	D E F G A B C D
25	D A E B F C G D	A E B F C G D E	F G A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C
26	C G D A E B F C	G D A E B F C G	A B C D E F G A	B C D E F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E
27	B F C G D A E B	F C G D A E B F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C	D E F G A B C D
28	A E B F C G D A	E B F C G D A E	F G A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C
29	G D A E B F C G	D A E B F C G D	F G A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C
30	F C G D A E B F	C G D A E B F G	A B C D E F G A	B C D E F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E
31	E B F C G D A E	B F C G D A E F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C	D E F G A B C D
32	D A E B F C G D	A E B F C G D E	F G A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C
33	C G D A E B F C	G D A E B F C G	A B C D E F G A	B C D E F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E
34	B F C G D A E B	F C G D A E B F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C	D E F G A B C D
35	A E B F C G D A	E B F C G D A E	F G A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C
36	G D A E B F C G	D A E B F C G D	F G A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C
37	F C G D A E B F	C G D A E B F G	A B C D E F G A	B C D E F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E
38	E B F C G D A E	B F C G D A E F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C	D E F G A B C D
39	D A E B F C G D	A E B F C G D E	F G A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C
40	C G D A E B F C	G D A E B F C G	A B C D E F G A	B C D E F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E

Book Second "Orion"

Calculus of Skills
Book 5-Gold "Orion"

Transformations: No. 019 - No. 020, 021 - 022, 023 - 024, 025 - 026, 027 - 028, 029 - 030, 031 - 032, 033 - 034, 035 - 036, 037 - 038, 039 - 040, 041 - 042, 043 - 044, 045 - 046, 047 - 048, 049 - 050, 051 - 052, 053 - 054, 055 - 056, 057 - 058, 059 - 060, 061 - 062, 063 - 064, 065 - 066, 067 - 068, 069 - 070, 071 - 072, 073 - 074, 075 - 076, 077 - 078, 079 - 080, 081 - 082, 083 - 084, 085 - 086, 087 - 088, 089 - 090, 091 - 092, 093 - 094, 095 - 096, 097 - 098, 099 - 100, 101 - 102, 103 - 104, 105 - 106, 107 - 108, 109 - 110, 111 - 112, 113 - 114, 115 - 116, 117 - 118, 119 - 120, 121 - 122, 123 - 124, 125 - 126, 127 - 128, 129 - 130, 131 - 132, 133 - 134, 135 - 136, 137 - 138, 139 - 140, 141 - 142, 143 - 144, 145 - 146, 147 - 148, 149 - 150, 151 - 152, 153 - 154, 155 - 156, 157 - 158, 159 - 160, 161 - 162, 163 - 164, 165 - 166, 167 - 168, 169 - 170, 171 - 172, 173 - 174, 175 - 176, 177 - 178, 179 - 180, 181 - 182, 183 - 184, 185 - 186, 187 - 188, 189 - 190, 191 - 192, 193 - 194, 195 - 196, 197 - 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Transformations: Cel. (F#) - R(0, 180) - D(2), D.B. (D#) - M(y-axis), Vla. (E#) - T(2, 0), Cbsn. (D#) - R(0, 180), Hn. (A#) - T(0, 2)

Prepared By: _____ Date: _____
Approved By: _____

Transformations: Chm. (D#) - T(-4, 7) - R(0, 180), Vla. (E#) - T(-2, -4) - R(0, 180), Vla. (E#) - R(0, 220), Vla. (G#) - M(y-axis) - T(-5, 7)

Tempo	Dynamic	Expression	1	2	3	4	5	
1		Piccolo	h	F G A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C
2		1 Flute	#	E C D E F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F
3		2 Flute	b	D B A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C
4		1 Oboe	h	C A G G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A
5		2 Oboe	#	B G F F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
6		Clarinet in B ^b	b	A F E E F A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
7		Clarinet in E ^b	h	G E D D E G C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A
8		Bass Clarinet	#	F D C C D F B F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C
9		Bassoon	b	E C B B C E A E	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F
10		Contra Bassoon	h	D B A A B D G D	B A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C
11		1 Trumpet in B ^b	#	C A G G A C F C	A G G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A
12		2 Trumpet in B ^b	b	B G F F G B E B	G F F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
13		Trumpet in C	h	A F E E F A D A	F E E F A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
14		1 Horn	#	G E D D E G C G	E D D E G C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A
15		2 Horn	b	F D C C D F B F	D C C D F B F G	A B C D E F G A	B C D E F G A B	C D E F G A B C
16		3 Horn	h	E C B B C E A E	C B B C E A E C	D E F G A B C D	E D E G C G E	D E G C G E D
17		1 Trombone	#	D B A A B D G D	B A A B D G D B	A B C D E F G A	F E E F A D A F	E E F A D A F E
18		2 Trombone	b	C A G G A C F C	A G G A C F C A	G A B C D E F G	G F F G B E B G	F F G B E B G F
19		1 Tuba	h	B G F F G B E B	G F F G B E B G	F F G A B C F C	A G G A C F C A	G A C F C A G
20		2 Tuba	#	A F E E F A D A	F E E F A D A F	E E F A B D G D	B A A B D G D B	A A B D G D B A
21		Piano	b	G E D D E G C G	E D D E G C G E	D D E D C E A E	C B B C E A E C	B B C E A E C B
22		Celeste	h	F D C C D F B F	D C C D F B F D	C B A G F B F	D C C D F B F D	C D F B F D C
23		Glockenspiel	#	E C B B C E A E	C B B C E A E C	D A G F E D C G	E D D E G C G E	D E G C G E D
24		Tubular Chimes	b	D B A A B D G D	B A A B D G D B	A G F E D C B A	F E E F A D A F	E E F A D A F E
25		Timpani	h	C A G G A C F C	A G G A C F C B	A G F E D C B A	G B E G B E B G	F F G B E B G F
26		Violin I	#	B G F F G B E B	G F F G B E B C	A G F E D C B A	A G G A C F C A	G A C F C A G
27		Violin II	b	A F E E F A D A	F E E F A G F E	D C B A G F E D	C B A B D G D B	A A B D G D B A
28		Viola	h	G E D D E G C G	E D D E D C B A	G F E D C B A G	F E D C E A E C	B B C E A E C B
29		Cello	#	F D C C D F B F	D C C B A G F E	D C B A G F E D	C B A G F B F D	C C D F B F D C
30		Double Bass	b	E C B B C E A E	C B A G F E D C	B A G F E D C B	A G F E D G G E	D E G C G E D
31		Violin I	h	D B A A B D G D	B A G F E D C B	A G F E D C B A	G F E D C B A F	E E F A D A F E
32		Violin II	#	C A G G A C F C	B A G F E D C B	A G F E D C B A	G F E D C B A G	F F G B E B G F
33		Viola	b	B G F F G B E B	C B A G F E D C	B A G F E D C B	A G F E D C B A	G A C F C A G
34		Cello	h	A F E E F A G F	E D C B A G F E	D C B A G F E D	C B A B D G D B	A A B D G D B A
35		Double Bass	#	G E D D E D C B	A G F E D C B A	G F E D C B A G	F E D C E A E C	B B C E A E C B
36		Violin I	b	F D C C B A G F	E D C B A G F E	D C B A G F E D	C B A G F E D C	B A G F B F D C
37		Violin II	h	E C B A G F E D	C B A G F E D C	B A G F E D C B	A G F E D C B A	G F E D C G E D
38		Viola	#	D B A G F E D C	B A G F E D C B	A G F E D C B A	G F E D C B A G	F E D C B A F E
39		Cello	b	C B A G F E D C	B A G F E D C B	A G F E D C B A	G F E D C B A G	F E D C B A G F
40		Double Bass	h	D C B A G F E D	C B A G F E D C	B A G F E D C B	A G F E D C B A	G F E D C B A G

6	7	8	9	10	11	12	13
G D A E B F C G	D A E B F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C C F B E	A D G C F B E A
F C G D A E B F	C G D A E C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E D D G C F	B E A D G C F B
E B F C G D A E	B F C G D B A B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A F E E A D G	C F B E A D G C
D A E B F C G D	A E B F C A G G	A B C D E F G A	B C D E F G A B	C D E F G A B C	D E F G A B C D	E B G F F B E A	D G C F B E A D
C G D A E B F C	G D A B G F F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C	F C A G G C F B	E A D G C F B E
B F C G D A E B	F C G D A F E E	F A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C	D B A A D G C F	B E A D G C F B
A E B F C G D A	E B F C G E D D	E G C G E D D E	G C D E F G A B	C D E F G A B C	D E F G A B C D	E A E C B B E A	D G C F B E A D
G D A E B F C G	D A E B F D C C	D F B F D C C D	F B G A B C D E	F G A B C D E F	G A B C C D F B	F D C C F B E A	D G C F B E A D
F C G D A E B F	C G D A E C B B	C E A E C B B C	E A E C D E F G	A B C D E D D E	G C G E D D E G	C G E D D G C F	B E A D G C F B
E B F C G D A E	B F C G D B A A	B D G D B A A B	D G D B A B C D	E F G A F E E F	A D A F E E F A	D A F E E A D G	C F B E A D G C
D A E B F C G D	A E B F C A G G	A C F C A G G A	C F C A G G A B	C D E B G F F G	B E B G F F G B	E B G F F B E A	D G C F B E A D
C G D A E B F C	G D A E B G F F	G B E B G F F G	A B C D E F G A	B C D E F G A B	C F C A G G A C	F C A G G C F B	E A D G C F B E
B F C G D A E B	F C G D A F E E	F A D A F E E F	A B C D E F G A	B C D E F G A B	D G D B A A B D	G D B A A D G C	F B E A D G C F
A E B F C G D A	E B F C G E D D	E G C G E D D E	G C D E F G A B	C D E F G A B C	E A E C B B C E	A E C B B E A D	G C F B E A D G
G D A E B F C G	D A E B F D C C	D F B F D C C D	F B F D C C B A	G F B F D C C D	F B F D C C D F	B F D C C F B E	A D G C F B E A
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B F C G D A E B	F C G D A F E E	F A D A F E E F	A G F E D C B A	G F E D C B A B	D G D B A A B D	G D B A A D G C	F B E A D G C F
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D A E B F C G D	A E B F C A G G	A C F C B A G F	E D C B A G F E	D C B A G F E D	C B A G F F G B	E B G F F B E A	D G C F B E A D
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A E B F C G D A	E B F C G E D D	E D C B A G F E	D C B A G F E D	C B A G F E D C	E A E C B B C E	A E C B B E A D	G C F B E A D G
G D A E B F C G	D A E B F D C C	D F B F D C C B	A G F E D C B A	G F E D C B A G	F B F D C C D F	B F D C C F B E	A D G C F B E A
F C G D A E B F	C G D A E C B B	C E A E C B A G	F E D C B A G F	E D C B A G F E	D C G E D D E G	C G E D D G C F	B E A D G C F B
E B F C G D A E	B F C G D B A A	B D G D B A B F	E D C B A G F E	D C B A G F E D	C B A F E E F A	D A F E E A D G	C F B E A D G C
D A E B F C G D	A E B F C A G G	A C F C B A G F	E D C B A G F E	D C B A G F E D	C B A G F F G B	E B G F F B E A	D G C F B E A D
C G D A E B F C	G D A E B G F F	G B E D C B A G	F E D C B A G F	E D C B A G F E	D C B A G G A C	F C A G G C F B	E A D G C F B E
B F C G D A E B	F C G D A F E E	F A G F E D C B	A G F E D C B A	G F E D C B A G	F E D C B A B D	G D B A A D G C	F B E A D G C F
A E B F C G D A	E B F C G E D D	E D C B A G F E	D C B A G F E D	C B A G F E D C	E A E C B B C E	A E C B B E A D	G C F B E A D G
G D A E B F C G	D A E B F D C C	D F B F D C C B	A G F E D C B A	G F E D C B A G	F B F D C C F B	B F D C C F B E	A D G C F B E A
F C G D A E B F	C G D A E C B A	G F E D C B A G	F E D C B A G F	E D C B A G F E	D C B A G F E D	C G E D D G C F	B E A D G C F B
E B F C G D A E	B F C G D B A G	F E D C B A G F	E D C B A G F E	D C B A G F E D	C B A F E E A D	G C F B E A D G	C F B E A D G C
D A E B F C G D	A E B F C B A G	F E D C B A G F	E D C B A G F E	D C B A G F E D	C B A G F F B E	A D G C F B E A	D G C F B E A D
C G D A E B F C	G D A E D C B A	G F E D C B A G	F E D C B A G F	E D C B A G F E	D C B A G F E D	C B A G F F B E	E A D G C F B E

Transformations: $V_{10}(A^*) - M_{(x, axis)}$, $F_{10}(C^*) - T_{(0, -2)}$, $B^*T_{pt}(E^*) - M_{(y, axis)}$, $V_{10}(E^*) - T_{(12, 6)} - D_{(2)}$.
Creations: Pno. (E⁺), B^bCl. (B^b). Annihilations: Ob. (E⁺), Pno. (E⁺). →

Prepared By: _____ Date: _____
Approved By: _____

Tempo	Dynamic	Expression	1	2	3	4	5	
1		Piccolo	\flat	F G A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C
2	1	Flute	\sharp	E C D E F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F
3	2	Flute	\flat	D B A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C
4	1	Oboe	\flat	C A G G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A
5	2	Oboe	\sharp	B G F F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
6		Clarinet in B ^b	\flat	A F E E F A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
7		Clarinet in E ^b	\flat	G E D D E G C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A
8		Bass Clarinet	\sharp	F D C C D F B F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C
9		Bassoon	\flat	E C B B C E A E	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F
10		Contra Bassoon	\flat	D B A A B D G D	B A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C
11	1	Trumpet in B ^b	\sharp	C A G G A C F C	A G G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A
12	2	Trumpet in B ^b	\flat	B G F F G B E B	G F F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
13		Trumpet in C	\flat	A F E E F A D A	F E E F A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
14	1	Horn	\sharp	G E D D E G C G	E D D E G C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A
15	2	Horn	\flat	F D C C D F B F	D C C D F B F G	A B C D E F G A	B C D E F G A B	C D E F G A B C
16	3	Horn	\flat	E C B B C E A E	C B B C E A E C	D E F G A B C D	E D D E G C G E	D D E G C G E D
17	1	Trombone	\sharp	D B A A B D G D	B A A B D G D B	A B C D E F G A	F E E A D A F E	E E F A D A F E
18	2	Trombone	\flat	C A G G A C F C	A G G A C F C A	G A B C D E F G	G F F G B E B G	F F G B E B G F
19	1	Tuba	\flat	B G F F G B E B	G F F G B E B G	F F G A B C D E	F G A B C D E F	G A B C D E F G
20	2	Tuba	\sharp	A F E E F A D A	F E E F A D A F	E E F A B C D E	B A A B D G D B	A A B D G D B A
21		Piano	\flat	G E D D E G C G	E D D E G C G E	D D E G C G E D	E C B B C E A E	C B B C E A E C
22		Celeste	\flat	F D C C D F B F	D C C D F B F D	C C B A G F B F	D C C D F B F D	C D F B F D C
23		Glockenspiel	\sharp	E C B B C E A E	C B B C E A E C	B A G F E D C G	E D D E G C G E	D D E G C G E D
24		Tubular Chimes	\flat	D B A A B D G D	B A A B D G D B	A G F E D C B A	F E E F A D A F	E E F A D A F E
25		Timpani	\flat	C A G G A C F C	A G G A C F C B	A G F E D C B A	G F F G B E B G	F F G B E B G F
26		Violin I	\sharp	B G F F G B E B	G F F G B E B C	B A G F E D C B	A G G A C F C A	G A G C C A G
27		Violin II	\flat	A F E E F A D A	F E E F A G F E	D C B A G F E D	C B A B D G D B	A A B D G D B A
28		Viola	\flat	G E D D E G C G	E D D E D C B A	G F E D C B A G	F E D C E A E C	B B C E A E C B
29		Cello	\sharp	F D C C D F B F	D C C B A G F E	D C B A G F E D	C B A G F B F D	C D F B F D C
30		Double Bass	\flat	E C B B C E A E	C B A G F E D G	B A G F E D C B	A G F E D C G E	D D E G C G E D
31		Violin I	\flat	D B A A B D G D	B A G F E D C B	A G F E D C B A	G F E D C B A F	E E F A D A F E
32		Violin II	\sharp	C A G G A C F C	B A G F E D C B	A G F E D C B A	G F E D C B A G	F F G B E B G F
33		Viola	\flat	B G F F G B E B	C B A G F E D C	B A G F E D C B	A G F E D C B A	G A G C C A G
34		Cello	\flat	A F E E F A G F	E D C B A G F E	D C B A G F E D	C B A G F E D C	B A B D G D B A
35		Double Bass	\sharp	G E D D E D C B	A G F E D C B A	G F E D C B A G	F E D C B A G F	E D C E A E C B
36		Violin I	\flat	F D C C B A G F	E D C B A G F E	D C B A G F E D	C B A G F E D C	B A G F B F D C
37		Violin II	\flat	E C B A G F E D	C B A G F E D C	B A G F E D C B	A G F E D C B A	G F E D C G E D
38		Viola	\sharp	D B A G F E D C	B A G F E D C B	A G F E D C B A	G F E D C B A G	F E D C B A F E
39		Cello	\flat	C B A G F E D C	B A G F E D C B	A G F E D C B A	G F E D C B A G	F E D C B A G F
40		Double Bass	\flat	D C B A G F E D	C B A G F E D C	B A G F E D C B	A G F E D C B A	G F E D C B A G

Transformations: Pno. (E⁺) - M_(y, axis), B^bCl. (B^b) - M_(x, axis), Ho. (B^b) - R_(axis, 120°), Pno. (B^b) - R_(axis, 120°), D.B. (B^b) - R_(axis, 220°).

6	7	8	9	10	11	12	13	
1	G D A E B F C G	D A E B F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C C F B E	A D G C F B E A
2	F C G D A E B F	C G D A E C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E D D G C F	B E A D G C F B
3	E B F C G D A E	B F C G D B A B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A F E E A D G	C F B E A D G C
4	D A E B F C G D	A E B F C A G G	A B C D E F G A	B C D E F G A B	C D E F G A B C	D E F G A B C D	E B G F F B E A	D G C F B E A D
5	C G D A E B F C	G D A E B G F F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C	D E F G A B C F	E A D G C F B E
6	B F C G D A E B	F C G D A F E E	F A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C	D E F G A B C D	G D B A A D G C
7	A E B F C G D A	E B F C G E D D	E G C D E F G A	B C D E F G A B	C D E F G A B C	D E F G A B C D	E A C C B B E A	D G C F B E A D
8	G D A E B F C G	D A E B F D C C	D F B F D C C D	F B F G A B C D	E F G A B C C D	F B F D C C D F	B F D C C F B E	A D G C F B E A
9	F C G D A E B F	C G D A E C B B	C E A E C B B C	E A E C D E F G	A B C D E F G A	B C D E D E G C	G E D D G C F B	E A D G C F B E
10	E B F C G D A E	B F C G D B A A	B D G D B A A B	D G D B A B C D	E F A F E E F A	D A F E E F A D	A F E E A D G C	F B E A D G C F
11	D A E B F C G D	A E B F C A G G	A C F C A G G A	B C D E F G A B	C D E F G A B C	D E B G F F G B	E B G F F B E A	D G C F B E A D
12	C G D A E B F C	G D A E B G F F	G B E B G F F G	A B C D E F G A	B C D E F G A B	C F C A G G A C	F C A G G C F B	E A D G C F B E
13	B F C G D A E B	F C G D A F E E	F A D A F E E F	A B C D E F G A	B C D E F G A B	D G D B A A B D	D B A A D G C F	B E A D G C F B
14	A E B F C G D A	E B F C G E D D	E G C G E D D E	G C D E F G A B	C D E F G A B C	E A E C B B C E	A E C C B B E A	D G C F B E A D
15	G D A E B F C G	D A E B F D C C	D F B F D C C D	F B F G A B C D	E F G A B C C D	F B F D C C D F	B F D C C F B E	A D G C F B E A
16	F C G D A E B F	C G D A E C B B	C E A E C B B C	E A E C D E F G	A B C D E D D E	G C G E D D E G	C G E D D G C F	B E A D G C F B
17	E B F C G D A E	B F C G D B A A	B D G D B A A B	D G D B A B C D	E F A F E E F A	D A F E E F A D	A F E E A D G C	F B E A D G C F
18	D A E B F C G D	A E B F C A G G	A C F C A G G A	C F C A G G A B	C D E B G F F G	B E B G F F G B	E B G F F B E A	D G C F B E A D
19	C G D A E B F C	G D A E B G F F	G B E B G F F G	B E B G F F G A	B C F C A G G A	C F C A G G A C	F C A G G C F B	E A D G C F B E
20	B F C G D A E B	F C G D A F E E	F A D A F E E F	A D A F E E F A	B D G D B A A B	D G D B A A B D	D B A A D G C F	B E A D G C F B
21	A E B F C G D A	E B F C G E D D	E G C G E D D E	G C G E D D D C	E A E C B B C E	E A E C B B C E	A E C C B B E A	D G C F B E A D
22	G D A E B F C G	D A E B F D C C	D F B F D C C D	F B F D C C B A	G F B F D C C D	F B F D C C D F	B F D C C F B E	A D G C F B E A
23	F C G D A E B F	C G D A E C B B	C E A E C B B C	E A E C B A G F	E D C G E D D E	G C G E D D E G	C G E D D G C F	B E A D G C F B
24	E B F C G D A E	B F C G D B A A	B D G D B A A B	D G D B A B C D	E F A F E E F A	D A F E E F A D	A F E E A D G C	F B E A D G C F
25	D A E B F C G D	A E B F C A G G	A C F C A G G A	C F C A G G A B	C D E B G F F G	B E B G F F G B	E B G F F B E A	D G C F B E A D
26	C G D A E B F C	G D A E B G F F	G B E B G F F G	B E B G F F G A	B C F C A G G A	C F C A G G A C	F C A G G C F B	E A D G C F B E
27	B F C G D A E B	F C G D A F E E	F A D A F E E F	A G F E D C B A	G F E D C B A B	D G D B A A B D	D B A A D G C F	B E A D G C F B
28	A E B F C G D A	E B F C G E D D	E G C G E D D E	D C B A G F E D	C B A G F E D C	E A E C B B C E	A E C C B B E A	D G C F B E A D
29	G D A E B F C G	D A E B F D C C	D F B F D C C B	A G F E D C B A	G F E D C B A G	F B F D C C D F	B F D C C F B E	A D G C F B E A
30	F C G D A E B F	C G D A E C B B	C E A E C B A G	F E D C B A G F	E D C B A G F E	D C G E D D E G	C G E D D G C F	B E A D G C F B
31	E B F C G D A E	B F C G D B A A	B D G D B A B C	D C B A G F E D	C B A G F E D C	B A F E E F A D	A F E E A D G C	F B E A D G C F
32	D A E B F C G D	A E B F C A G G	A C F C A G G A	F E D C B A G F	E D C B A G F E	D C B A G F E D	C B A G F F G B	E B G F F B E A
33	C G D A E B F C	G D A E B G F F	G B E D C B A G	F E D C B A G F	E D C B A G F E	D C B A G G A C	F C A G G C F B	E A D G C F B E
34	B F C G D A E B	F C G D A F E E	F A G F E D C B	A G F E D C B A	G F E D C B A G	F E D C B A B D	D B A A D G C F	B E A D G C F B
35	A E B F C G D A	E B F C G E D D	E D C B A G F E	D C B A G F E D	C B A G F E D C	B A F E E F A D	A F E E A D G C	F B E A D G C F
36	G D A E B F C G	D A E B F D C C	B A G F E D C B	A G F E D C B A	G F E D C B A G	F E D C B A G F	B F D C C F B E	A D G C F B E A
37	F C G D A E B F	C G D A E C B A	G F E D C B A G	F E D C B A G F	E D C B A G F E	D C B A G F E D	C G E D D G C F	B E A D G C F B
38	E B F C G D A E	B F C G D B A G	F E D C B A G F	E D C B A G F E	D C B A G F E D	C B A G F E D C	B A F E E A D G	C F B E A D G C
39	D A E B F C G D	A E B F C B A G	F E D C B A G F	E D C B A G F E	D C B A G F E D	C B A G F E D C	B A G F F B E A	D G C F B E A D
40	C G D A E B F C	G D A E D C B A	G F E D C B A G	F E D C B A G F	E D C B A G F E	D C B A G F E D	C B A G G C F B	E A D G C F B E

Transformations: $B^{\flat}(C_1, E^{\flat}) - R_{(orig, 180^{\circ})}$; $Trb. (C^{\flat}) - R_{(orig, 180^{\circ})}$; $Vln. I (A^{\sharp}) - R_{(orig, 180^{\circ})}$; $Chm. (B^{\flat}) - R_{(orig, 130^{\circ})}$; $Vln. II (E^{\flat}) - T_{(-2)}$
 12).

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Transformations: $Trb. (B^{\flat}) - M_{(y, acc)}$; $Hn. (B^{\flat}) - D_{(2)}$; $Tbn. (D^{\flat}) - T_{(-12, 9)}$; $Pno. (D^{\flat}) - T_{(0, 9)}$; $Tbn. (F^{\sharp}) - R_{(orig, 90^{\circ})}$
 $T_{(-10, 8)}$.
 Creations: $Trb. (G^{\flat})$

		1	2	3	4	5
Tempo						
Dynamic						
Expression						
1	Piccolo	\flat	F G A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B
2	1 Flute	\sharp	E C D E F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E
3	2 Flute	\flat	D B A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B
4	1 Oboe	\flat	C A G G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
5	2 Oboe	\sharp	B G F F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F
6	Clarinet in B^{\flat}	\flat	A F E E F A D A	F E E F A B C D	E F G A B C D E	F G A B C D E F
7	Clarinet in E^{\flat}	\flat	G E D D E G G D	E F G A B C D E	F G A B C D E F	G A B C D E F G
8	Bass Clarinet	\sharp	F D C C D F B F	G A B C D E F G	A B C D E F G A	B C D E F G A B
9	Bassoon	\flat	E C B B C E A E	C D E F G A B C	D E F G A B C D	E F G A B C D E
10	Contra Bassoon	\flat	D B A A B D G D	B A A B D G D B	A B C D E F G A	B C D E F G A B
11	1 Trumpet in B^{\flat}	\sharp	C A G G A C F C	A G G A C F C A	G G A C F C A G	G A C F C A G G
12	2 Trumpet in B^{\flat}	\flat	B G F F G B E B	G F F G B E B G	F G B E B G F G	B E B G F G B E
13	Trumpet in C	\flat	A F E E F A D A	F E E F A B C D	E F G A B C D E	F G A B C D E F
14	1 Horn	\sharp	G E D D E G G G	E D D E G G G E	D D E G G E D D	E G G E D D E G
15	2 Horn	\flat	F D C C D F B F	D C C D F B F D	C C D F B F D C	C D F B F D C C
16	3 Horn	\flat	E C B B C E A E	C B B C E A E C	B B C E A E C B	B C E A E C B B
17	1 Trombone	\sharp	D B A A B D G D	B A A B D G D B	A B C D E F G A	F E E F A D A F
18	2 Trombone	\flat	C A G G A C F C	A G G A C F C A	G G A C F C A G	G A C F C A G G
19	1 Tuba	\flat	B G F F G B E B	G F F G B E B G	F G B E B G F G	B E B G F G B E
20	2 Tuba	\sharp	A F E E F A D A	F E E F A B C D	E F G A B C D E	F G A B C D E F
21	Piano	\flat	G E D D E G G G	E D D E G G G E	D D E G G E D D	E G G E D D E G
22	Celeste	\flat	F D C C D F B F	D C C D F B F D	C C D F B F D C	C D F B F D C C
23	Gluckenspiel	\sharp	E C B B C E A E	C B B C E A E C	B B C E A E C B	B C E A E C B B
24	Tubular Chimes	\flat	D B A A B D G D	B A A B D G D B	A B C D E F G A	F E E F A D A F
25	Timpani	\flat	C A G G A C F C	A G G A C F C A	G G A C F C A G	G A C F C A G G
26	Violin I	\sharp	B G F F G B E B	G F F G B E B G	F G B E B G F G	B E B G F G B E
27	Violin II	\flat	A F E E F A D A	F E E F A B C D	E F G A B C D E	F G A B C D E F
28	Viola	\flat	G E D D E G G G	E D D E G G G E	D D E G G E D D	E G G E D D E G
29	Cello	\sharp	F D C C D F B F	D C C D F B F D	C C D F B F D C	C D F B F D C C
30	Double Bass	\flat	E C B B C E A E	C B B C E A E C	B B C E A E C B	B C E A E C B B
31	Violin I	\flat	D B A A B D G D	B A A B D G D B	A B C D E F G A	F E E F A D A F
32	Violin II	\sharp	C A G G A C F C	A G G A C F C A	G G A C F C A G	G A C F C A G G
33	Viola	\flat	B G F F G B E B	G F F G B E B G	F G B E B G F G	B E B G F G B E
34	Cello	\flat	A F E E F A D A	F E E F A B C D	E F G A B C D E	F G A B C D E F
35	Double Bass	\sharp	G E D D E G G G	E D D E G G G E	D D E G G E D D	E G G E D D E G
36	Violin I	\flat	F D C C D F B F	D C C D F B F D	C C D F B F D C	C D F B F D C C
37	Violin II	\flat	E C B B C E A E	C B B C E A E C	B B C E A E C B	B C E A E C B B
38	Viola	\sharp	D B A A B D G D	B A A B D G D B	A B C D E F G A	F E E F A D A F
39	Cello	\flat	C A G G A C F C	A G G A C F C A	G G A C F C A G	G A C F C A G G
40	Double Bass	\flat	B G F F G B E B	G F F G B E B G	F G B E B G F G	B E B G F G B E

		6	7	8	9	10	11	12	13
1		G D A E B F C G	D A E B F C G D	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A
2		F C G D A E B F	C G D A E B F C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B
3		E B F C G D A E	B F C G D A E B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A
4		D A E B F C G D	A E B F C G D A	B C D E F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
5		C G D A E B F C	G D A E B F C G	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B
6		B F C G D A E B	F C G D A E B F	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A
7		A E B F C G D A	E B F C G D A E	B C D E F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
8		G D A E B F C G	D A E B F C G D	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A
9		F C G D A E B F	C G D A E B F C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B
10		E B F C G D A E	B F C G D A E B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A
11		D A E B F C G D	A E B F C G D A	B C D E F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
12		C G D A E B F C	G D A E B F C G	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B
13		B F C G D A E B	F C G D A E B F	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A
14		A E B F C G D A	E B F C G D A E	B C D E F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
15		G D A E B F C G	D A E B F C G D	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A
16		F C G D A E B F	C G D A E B F C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B
17		E B F C G D A E	B F C G D A E B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A
18		D A E B F C G D	A E B F C G D A	B C D E F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
19		C G D A E B F C	G D A E B F C G	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B
20		B F C G D A E B	F C G D A E B F	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A
21		A E B F C G D A	E B F C G D A E	B C D E F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
22		G D A E B F C G	D A E B F C G D	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A
23		F C G D A E B F	C G D A E B F C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B
24		E B F C G D A E	B F C G D A E B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A
25		D A E B F C G D	A E B F C G D A	B C D E F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
26		C G D A E B F C	G D A E B F C G	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B
27		B F C G D A E B	F C G D A E B F	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A
28		A E B F C G D A	E B F C G D A E	B C D E F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
29		G D A E B F C G	D A E B F C G D	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A
30		F C G D A E B F	C G D A E B F C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B
31		E B F C G D A E	B F C G D A E B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A
32		D A E B F C G D	A E B F C G D A	B C D E F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
33		C G D A E B F C	G D A E B F C G	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B
34		B F C G D A E B	F C G D A E B F	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A
35		A E B F C G D A	E B F C G D A E	B C D E F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
36		G D A E B F C G	D A E B F C G D	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A
37		F C G D A E B F	C G D A E B F C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B
38		E B F C G D A E	B F C G D A E B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A
39		D A E B F C G D	A E B F C G D A	B C D E F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
40		C G D A E B F C	G D A E B F C G	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B

Transformations: Trb. (G^b) - R (orig. 20¹), Trb. (E^b) - M (x axis), Ho. (B^b) - T (-4, -4), Tba. (E^b) - B (orig. 20¹), Tba. (E^b) - C (1), Pic. (G^b) - M (axis).

Prepared By: _____ Date: _____
Approved By: _____

Table with 40 rows of musical notation for various instruments including Piccolo, Flute, Oboe, Clarinet, Bassoon, Trumpet, Horn, Trombone, Tuba, Piano, Celeste, Gluckenspiel, Tubular Chimes, Timpani, Violin I, Violin II, Viola, Cello, Double Bass, and Strings. Each row contains a staff number, instrument name, and a sequence of notes.

Transformations: D.B. (C^b) - T (10, 9) - D (2)
Annihilations: Bn. (E^b), B^b (1, D^b), Tba. (B^b), Cel. (D^b), Chn. (B^b).

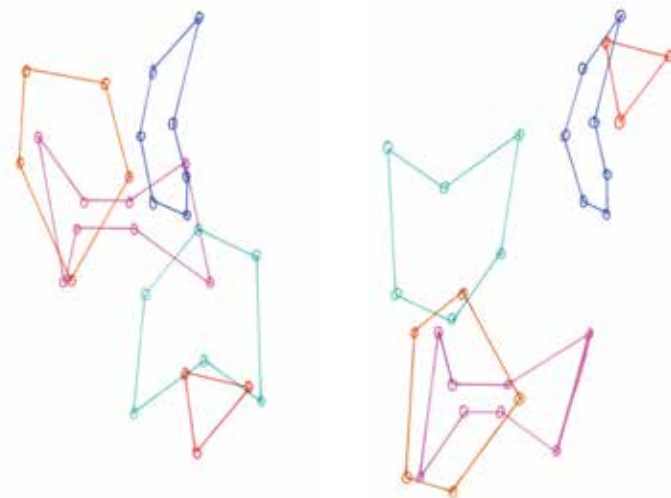
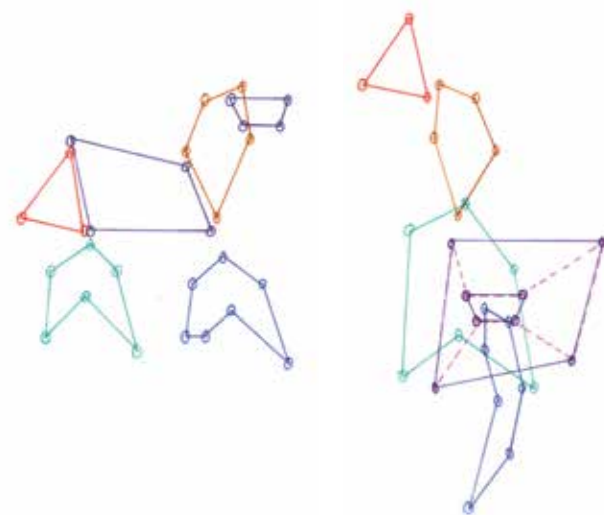
Table with 40 rows of musical notation for various instruments including Piccolo, Flute, Oboe, Clarinet, Bassoon, Trumpet, Horn, Trombone, Tuba, Piano, Celeste, Gluckenspiel, Tubular Chimes, Timpani, Violin I, Violin II, Viola, Cello, Double Bass, and Strings. Each row contains a staff number, instrument name, and a sequence of notes.

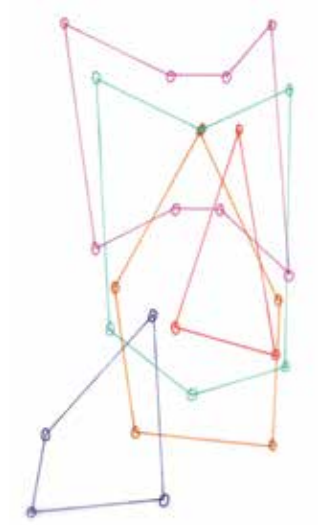
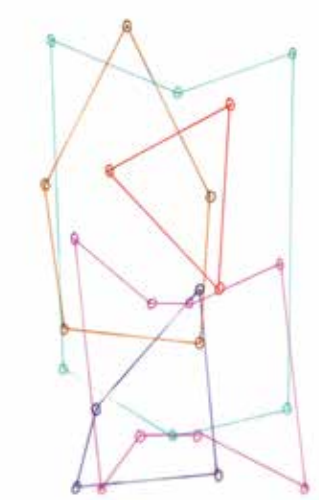
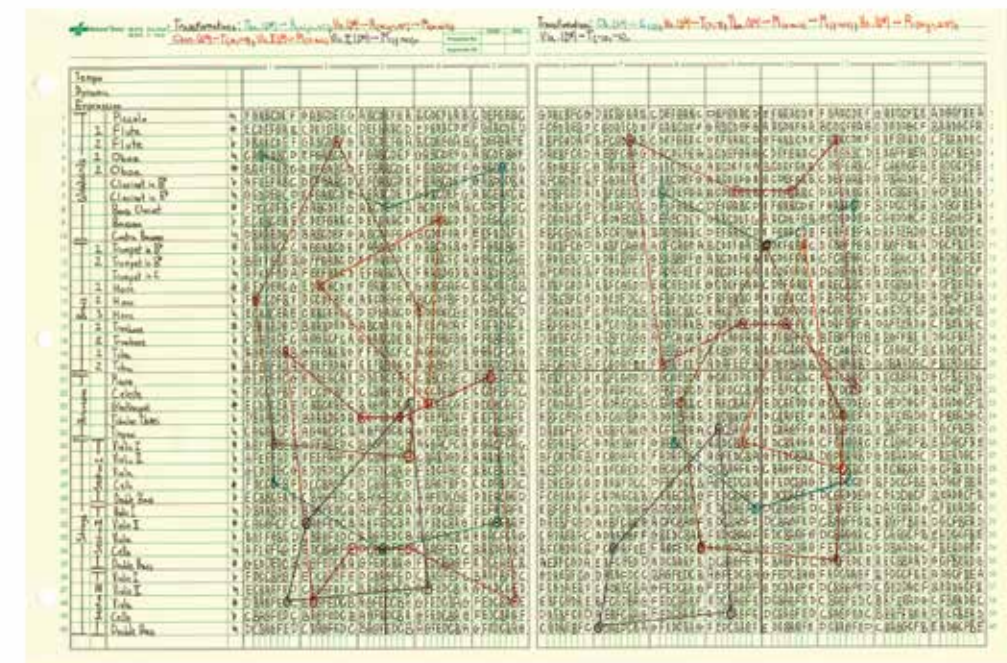
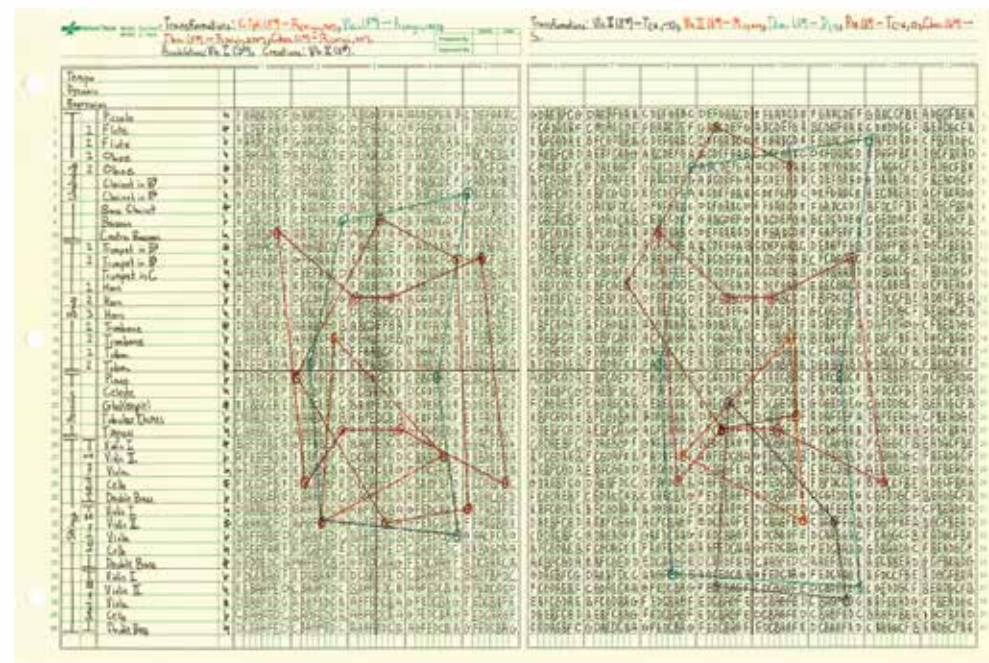
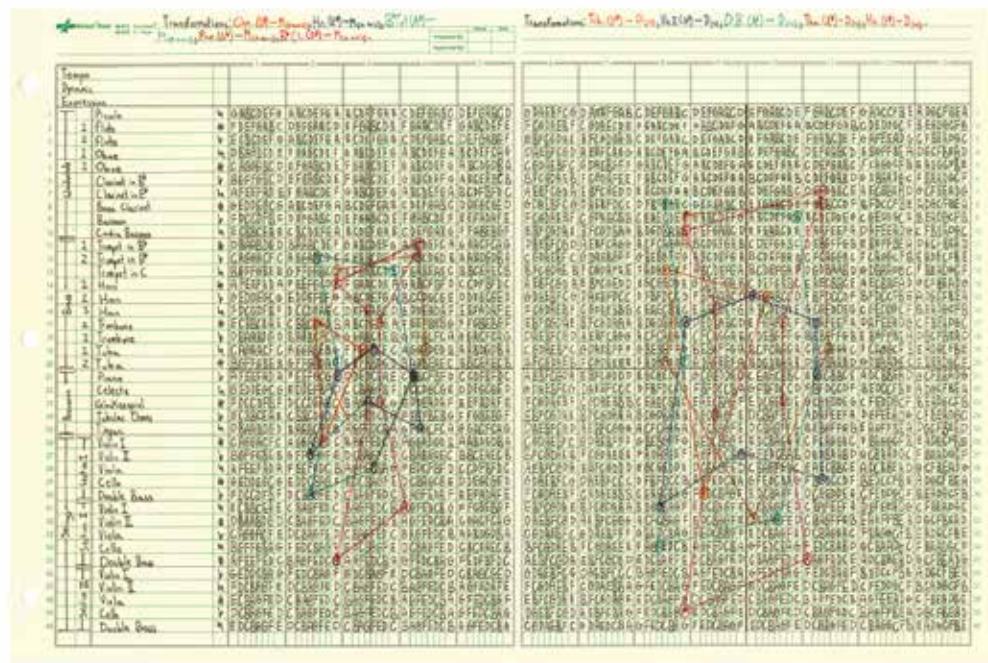
Book Third "Leo"

Handwritten manuscript page titled "Caching of Daily Book Third Leo". It features a large grid of text with columns of names and dates. A complex network of red and black lines is drawn over the text, connecting various points across the page.

Handwritten manuscript page titled "Transformation of Leo". It contains a grid of text with columns of names and dates. A network of red and black lines is drawn over the text, showing connections between different entries.

Handwritten manuscript page titled "Transformation of Leo". It contains a grid of text with columns of names and dates. A network of red and black lines is drawn over the text, showing connections between different entries.





Catalog of Worlds Book Third "Leo"

Prepared By: [] Initials: [] Date: [] Approved By: []

Transformations: B¹Tpt.(G⁴) - M(x axis) - D(2); Trb.(A⁴) - T(-5,10); C.Tpt.(F⁴) - M(y axis); Vln.II(A⁴) - D(2); Bsn.(E⁴) - T(-20,-15); Vln.II(C⁴) - R(orig.,270); Creations: Vln.I(G⁴)

Handwritten musical score for 40 instruments across 40 measures. The score is organized into sections: Woodwinds (Piccolo, Flute, Oboe, Clarinet, Bassoon, Contra Bassoon), Brass (Trumpet, Horn, Trombone, Tuba), Percussion (Piano, Celeste, Glockenspiel, Tubular Chimes, Timpani), and Strings (Violin I, Violin II, Viola, Cello, Double Bass). Each instrument part contains a sequence of letters (A-G) representing notes, with some parts including accidentals (#, b). The score is written on a grid with measure numbers 1-40 at the top and instrument names on the left.

Transformations: $T_{pt.}(E^{\flat}) - D_{(3)}$, $Bs. (I. D^{\sharp}) - T_{(8,4)} - R_{(orig., 180^{\circ})}$
 $Vln. I (G^{\sharp}) - M_{(x\ axis)}$, $D.B. (D^{\flat}) - M_{(y\ axis)}$, $D.B. (G^{\sharp}) - R_{(orig.)}$

Prepared By _____ Date _____
Approved By _____

Transformations: $B^{\flat} T_{pt.}(F^{\sharp}) - R_{(orig., 90^{\circ})}$, $Cbsn. (G^{\sharp}) - M_{(x\ axis)} - T_{(0,-5)}$, $Vln. I (E^{\flat}) - R_{(orig., 180^{\circ})}$, $Vln. (D^{\flat}) - T_{(7,25)}$, $Cbsn. (E^{\flat}) - T_{(7,10)}$

Tempo	Dynamic	Expression	1	2	3	4	5	
1		Piccolo	h	F	G	A	B	C
2	1	Flute	#	E	F	G	A	B
3	2	Flute	b	D	E	F	G	A
4	1	Oboe	h	C	D	E	F	G
5	2	Oboe	#	B	C	D	E	F
6		Clarinet in B ^b	b	A	B	C	D	E
7		Clarinet in E ^b	h	G	E	D	E	C
8		Bass Clarinet	#	F	D	C	C	F
9		Bassoon	b	E	C	B	C	E
10		Contra Bassoon	h	D	B	A	B	D
11	1	Trumpet in B ^b	#	C	A	G	A	C
12	2	Trumpet in B ^b	b	B	G	F	B	E
13		Trumpet in C	h	A	F	E	F	A
14	1	Horn	#	G	E	D	E	G
15	2	Horn	b	F	D	C	C	F
16	3	Horn	h	E	C	B	C	E
17	1	Trombone	#	D	B	A	B	D
18	2	Trombone	b	C	A	G	A	C
19	1	Tuba	h	B	G	F	B	E
20	2	Tuba	#	A	F	E	F	A
21		Piano	b	G	E	D	E	G
22		Celeste	h	F	D	C	C	F
23		Glockenspiel	#	E	C	B	C	E
24		Tubular Chimes	b	D	B	A	B	D
25		Timpani	h	C	A	G	A	C
26		Violin I	#	B	G	F	B	E
27		Violin II	b	A	F	E	F	A
28		Viola	h	G	E	D	E	G
29		Cello	#	F	D	C	C	F
30		Double Bass	b	E	C	B	C	E
31		Violin I	h	D	B	A	B	D
32		Violin II	#	C	A	G	A	C
33		Viola	b	B	G	F	B	E
34		Cello	h	A	F	E	F	A
35		Double Bass	#	G	E	D	E	G
36		Violin I	b	F	D	C	C	F
37		Violin II	h	E	C	B	C	E
38		Viola	#	D	B	A	B	D
39		Cello	b	C	A	G	A	C
40		Double Bass	h	D	C	B	A	B

6	7	8	9	10	11	12	13
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F

Transformations: $B^{\flat} T_{pt.}(G^{\flat}) - T_{(-1,2)}$, $Vln. I (G^{\flat}) - T_{(-1,9)}$, $Vln. I (B^{\flat}) - T_{(-1,9)}$, $Cbsn. (E^{\flat}) - T_{(-9,11)}$, $Fl. (D^{\flat}) - T_{(-17,10)}$.

Prepared By: _____ Date: _____
 Approved By: _____

Tempo	Dynamic	Expression	1	2	3	4	5	
1		Piccolo	\flat	F G A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C
2	1	Flute	\sharp	E C D E F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F
3	2	Flute	\flat	D B A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C
4	1	Oboe	\flat	C A G G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A
5	2	Oboe	\sharp	B G F F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C F C A G
6		Clarinet in B \flat	\flat	A F E E F A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B D G D B A
7		Clarinet in E \flat	\flat	G E D D E G C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C E A E C B
8		Bass Clarinet	\sharp	F D C C D F B F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C G D F B F D C
9		Bassoon	\flat	E C B B C E A E	C D E F G A B C	D E F G A B C D	E F G A B C D E	D E G C G E D
10		Contra Bassoon	\flat	D B A A B D G D	B A B C D E F G	A B C D E F G A	B C D E F G A B	E E F A D A F E
11	1	Trumpet in B \flat	\sharp	C A G G A C F C	A G G A B C D E	F G A B C D E F	G A B C D E F G	F F G B E B G F
12	2	Trumpet in B \flat	\flat	B G F F G B E B	G F F G A B C D	E F G A B C D E	F G A B C D E F	G A G A C F C A G
13		Trumpet in C	\flat	A F E E F A D A	F E E F A B C D	E F G A B C D E	F G A B C D E F	G A B D G D B A
14	1	Horn	\sharp	G E D D E G C D	E D D E G C D E	F G A B C D E F	G A B C E A E C	B B C E A E C B
15	2	Horn	\flat	F D C C D F B F	D C C D F B F D	E F G A B C D E	F G A B C D E F	C G D F B F D C
16	3	Horn	\flat	E C B B C E A E	C B B C E A E C	D E F G A B C D	E F G A B C D E	D D E G C G E D
17	1	Trombone	\sharp	D B A A B D G D	B A B C D E F G	A B C D E F G A	F E E F A D A F	E E F A D A F E
18	2	Trombone	\flat	C A G G A C F C	A G G A C F C A	G A B C D E F G	F F F G B E B G	F F G B E B G F
19	1	Tuba	\flat	B G F F G B E B	G F F G B E B G	F F G A B C F C	A G G A C F C A	G A G A C F C A G
20	2	Tuba	\sharp	A F E E F A D A	F E E F A D A E	E E F A B D G D	B A A B D G D B	A A B D G D B A
21		Piano	\flat	G E D D E G C G	E D D E G C G E	D D D C E A E C	B B C E A E C B	B B C E A E C B
22		Celeste	\flat	F D C C D F B F	D C C D F B F D	C C B A G F B A	D C C D F B F D	C C D F B F D C
23		Glockenspiel	\sharp	E C B B C E A E	C B B C E A E C	B A G F E D C B	E D E G C G E D	D E G C G E D
24		Tubular Chimes	\flat	D B A A B D G D	B A A B D G D B	A G F E D C B A	E E F A D A F E	E E F A D A F E
25		Timpani	\flat	C A G G A C F C	A G G A C F C B	A G F E D C B A	G F F G B E B G	F F G B E B G F
26		Violin I	\sharp	B G F F G B E B	G F F G B E D C	B A G F E D C B	A G G A C F C A	G A G A C F C A G
27		Violin II	\flat	A F E E F A D A	F E E F A G E E	D C B A G F E D	B A A B D G D B	A A B D G D B A
28		Viola	\flat	G E D D E G C G	E D D E D C B A	G F E D C B A G	F E D C E A E C	B B C E A E C B
29		Cello	\sharp	F D C C D F B F	D C C B A G F E	D C B A G F E D	C B A G F B F D	C C D F B F D C
30		Double Bass	\flat	E C B B C E A E	C B A G F E D C	B A G F E D C B	A G F E D C G E	D E G C G E D
31		Violin I	\flat	D B A A B D G D	B A G F E D C B	A G F E D C B A	G F E D C B A F	E E F A D A F E
32		Violin II	\sharp	C A G G A C F C	B A G F E D C B	A G F E D C B A	G F E D C B A G	F F G B E B G F
33		Viola	\flat	B G F F G B E B	C B A G F E D C	B A G F E D C B	A G F E D C B A	G A G A C F C A G
34		Cello	\flat	A F E E F A B F	E D C B A G F E	D C B A G F E D	C B A G F E D C	B A A B D G D B A
35		Double Bass	\sharp	G E D D E D C B	A G F E D C B A	G F E D C B A G	F E D C E A E C	B B C E A E C B
36		Violin I	\flat	F D C C B A G F	E D C B A G F E	D C B A G F E D	C B A G F E D C	B A G F B F D C
37		Violin II	\flat	E C B A G F E D	C B A G F E D C	B A G F E D C B	A G F E D C B A	G F E D C G E D
38		Viola	\sharp	D B A G F E D C	B A G F E D C B	A G F E D C B A	G F E D C B A G	F E D C B A F E
39		Cello	\flat	C B A G F E D C	B A G F E D C B	A G F E D C B A	G F E D C B A G	F E D C B A G F
40		Double Bass	\flat	D C B A G F E D	C B A G F E D C	B A G F E D C B	A G F E D C B A	G F E D C B A G

Transformations: $C T_{pt.}(E^{\flat}) - R_{(orig, 20)}$, $Pno. (E^{\flat}) - R_{(orig, 20)}$, $Vln. II (F^{\flat}) - R_{(orig, 20)}$, $Vln. II (E^{\flat}) - R_{(orig, 20)}$, $C T_{pt.}(F^{\flat}) - R_{(orig, 20)}$.

6	7	8	9	10	11	12	13
G D A E B F C G	D A E B F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A
F C G D A E B F	C G D A E C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E D D G C F	B E A D G C F B
E B F C G D A E	B F C G D B A B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A F E E A D G	C F B E A D G C
D A E B F C G D	A E B F C A G G	A B C D E F G A	B C D E F G A B	C D E F G A B C	D E F G A B C D	E B G F F B E A	D G C F B E A D
C G D A E B F C	G D A E B G F F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C	F C A G G C F B	E A D G C F B E
B F C G D A E B	F C G D A F E E	F A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C	G D B A A D G C	F B E A D G C F
A E B F C G D A	E B F C G E D D	E G C D E F G A	B C D E F G A B	C D E F G A B C	D E F G A B C D	E A E C B B E A	D G C F B E A D
G D A E B F C G	D A E B F D C C	D F B F D C C D	F B F D C C D	F B F D C C D	F B F D C C D	F B F D C C F B	A D G C F B E A
F C G D A E B F	C G D A E C B B	C E A E C B B C	E A E C B B C	E A E C B B C	E A E C B B C	E A E C B B C E	A E C B B E A D
E B F C G D A E	B F C G D B A A	B D G D B A A B	D D D B A B C D	E F G A F E E F	A D A F E E F A	D A F E E A D G	C F B E A D G C
D A E B F C G D	A E B F C A G G	A C F C A G G A	C F C A G G A	C F C A G G A	C F C A G G A	E B G F F B E A	D G C F B E A D
C G D A E B F C	G D A E B G F F	G B E B G F F G	B E B G F F G	B E B G F F G	B E B G F F G	F C A G G A C	F C A G G C F B
B F C G D A E B	F C G D A F E E	F A D A F E E F	A D A F E E F A	B D G D B A B	D D D B A B C D	D D D B A A R D	G D R A A D G C
A E B F C G D A	E B F C G E D D	E G C G E D D E	G C G E D D E	G C G E D D E	G C G E D D E	E A E C B B C	E A E C B B C E
G D A E B F C G	D A E B F D C C	D F B F D C C D	F B F D C C D	F B F D C C D	F B F D C C D	F B F D C C F B	A D G C F B E A
F C G D A E B F	C G D A E C B B	C E A E C B B C	E A E C B B C	E A E C B B C	E A E C B B C	E A E C B B C E	A E C B B E A D
E B F C G D A E	B F C G D B A A	B D G D B A A B	D D D B A B C D	E F G A F E E F	A D A F E E F A	D A F E E A D G	C F B E A D G C
D A E B F C G D	A E B F C A G G	A C F C A G G A	C F C A G G A	C F C A G G A	C F C A G G A	E B G F F B E A	D G C F B E A D
C G D A E B F C	G D A E B G F F	G B E B G F F G	B E B G F F G	B E B G F F G	B E B G F F G	F C A G G A C	F C A G G C F B
B F C G D A E B	F C G D A F E E	F A D A F E E F	A D A F E E F A	B D G D B A B	D D D B A B C D	D D D B A A R D	G D R A A D G C
A E B F C G D A	E B F C G E D D	E G C G E D D E	G C G E D D E	G C G E D D E	G C G E D D E	E A E C B B C	E A E C B B C E
G D A E B F C G	D A E B F D C C	D F B F D C C D	F B F D C C D	F B F D C C D	F B F D C C D	F B F D C C F B	A D G C F B E A
F C G D A E B F	C G D A E C B B	C E A E C B B C	E A E C B B C	E A E C B B C	E A E C B B C	E A E C B B C E	A E C B B E A D
E B F C G D A E	B F C G D B A A	B D G D B A A B	D D D B A B C D	E F G A F E E F	A D A F E E F A	D A F E E A D G	C F B E A D G C
D A E B F C G D	A E B F C A G G	A C F C A G G A	C F C A G G A	C F C A G G A	C F C A G G A	E B G F F B E A	D G C F B E A D
C G D A E B F C	G D A E B G F F	G B E B G F F G	B E B G F F G	B E B G F F G	B E B G F F G	F C A G G A C	F C A G G C F B
B F C G D A E B	F C G D A F E E	F A D A F E E F	A D A F E E F A	B D G D B A B	D D D B A B C D	D D D B A A R D	G D R A A D G C
A E B F C G D A	E B F C G E D D	E G C G E D D E	G C G E D D E	G C G E D D E	G C G E D D E	E A E C B B C	E A E C B B C E
G D A E B F C G	D A E B F D C C	D F B F D C C D	F B F D C C D	F B F D C C D	F B F D C C D	F B F D C C F B	A D G C F B E A
F C G D A E B F	C G D A E C B B	C E A E C B B C	E A E C B B C	E A E C B B C	E A E C B B C	E A E C B B C E	A E C B B E A D
E B F C G D A E	B F C G D B A A	B D G D B A A B	D D D B A B C D	E F G A F E E F	A D A F E E F A	D A F E E A D G	C F B E A D G C
D A E B F C G D	A E B F C A G G	A C F C A G G A	C F C A G G A	C F C A G G A	C F C A G G A	E B G F F B E A	D G C F B E A D
C G D A E B F C	G D A E B G F F	G B E B G F F G	B E B G F F G	B E B G F F G	B E B G F F G	F C A G G A C	F C A G G C F B
B F C G D A E B	F C G D A F E E	F A D A F E E F	A D A F E E F A	B D G D B A B	D D D B A B C D	D D D B A A R D	G D R A A D G C
A E B F C G D A	E B F C G E D D	E G C G E D D E	G C G E D D E	G C G E D D E	G C G E D D E	E A E C B B C	E A E C B B C E
G D A E B F C G	D A E B F D C C	D F B F D C C D	F B F D C C D	F B F D C C D	F B F D C C D	F B F D C C F B	A D G C F B E A
F C G D A E B F	C G D A E C B B	C E A E C B B C	E A E C B B C	E A E C B B C	E A E C B B C	E A E C B B C E	A E C B B E A D
E B F C G D A E	B F C G D B A A	B D G D B A A B	D D D B A B C D	E F G A F E E F	A D A F E E F A	D A F E E A D G	C F B E A D G C
D A E B F C G D	A E B F C A G G	A C F C A G G A	C F C A G G A	C F C A G G A	C F C A G G A	E B G F F B E A	D G C F B E A D
C G D A E B F C	G D A E B G F F	G B E B G F F G	B E B G F F G	B E B G F F G	B E B G F F G	F C A G G A C	F C A G G C F B
B F C G D A E B	F C G D A F E E	F A D A F E E F	A D A F E E F A	B D G D B A B	D D D B A B C D	D D D B A A R D	G D R A A D G C
A E B F C G D A	E B F C G E D D	E G C G E D D E	G C G E D D E	G C G E D D E	G C G E D D E	E A E C B B C	E A E C B B C E
G D A E B F C G	D A E B F D C C	D F B F D C C D	F B F D C C D	F B F D C C D	F B F D C C D	F B F D C C F B	A D G C F B E A
F C G D A E B F	C G D A E C B A	G F E D C B A G	F E D C B A G F	E D C B A G F E	D C B A G F E D	C B A G F E D C	B A G F E D C B
E B F C G D A E	B F C G D B A G	F E D C B A G F	E D C B A G F E	D C B A G F E D	C B A G F E D C	B A G F E D C B	A G F E D C B A
D A E B F C G D	A E B F C B A G	F E D C B A G F	E D C B A G F E	D C B A G F E D	C B A G F E D C	B A G F E D C B	A G F F F B E A
C G D A E B F C	G D A E D C B A	G F E D C B A G	F E D C B A G F	E D C B A G F E	D C B A G F E D	C B A G F E D C	B A G G C F B E

Transformations: Chm. (D⁺) - M_(x=1), Hn. (E⁺) - M_(x=1), B^b (A⁺) - M_(x=1), Pno. (G⁺) - M_(x=1), B^b (I. (D⁺) - M_(x=1).

Prepared By: _____ Date: _____
Approved By: _____

Handwritten musical score for measures 1-5. Includes parts for Piccolo, Flute (1, 2), Oboe (1, 2), Clarinet in Bb, Clarinet in Eb, Bass Clarinet, Bassoon, Contra Bassoon, Trumpet in Bb (1, 2), Trumpet in C, Horn (1, 2), Trombone (1, 2), Tuba (1, 2), Piano, Celeste, Glockenspiel, Tubular Chimes, Timpani, Violin I, Violin II, Viola, Cello, Double Bass, and Strings (Violin I, Violin II, Viola, Cello, Double Bass).

Transformations: Trb. (D⁺) - D₍₁₎, Vln. II (G⁺) - D₍₁₎, D.B. (A⁺) - D₍₁₎, Tbn. (A⁺) - D₍₁₎, Hn. (E⁺) - D₍₁₎.

Handwritten musical score for measures 6-13. Includes parts for Piccolo, Flute (1, 2), Oboe (1, 2), Clarinet in Bb, Clarinet in Eb, Bass Clarinet, Bassoon, Contra Bassoon, Trumpet in Bb (1, 2), Trumpet in C, Horn (1, 2), Trombone (1, 2), Tuba (1, 2), Piano, Celeste, Glockenspiel, Tubular Chimes, Timpani, Violin I, Violin II, Viola, Cello, Double Bass, and Strings (Violin I, Violin II, Viola, Cello, Double Bass).



Transformations: C Tpt. (F#) - R (origin, 90°), Vln. (F#) - R (origin, 180°)
 Tbn. (F#) - R (origin, 270°), Cbsn. (C#) - R (origin, 90°).
 Annihilations: Vln. I (D#), Creations: Vln. II (E#).

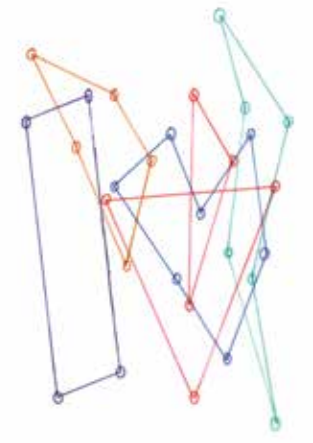
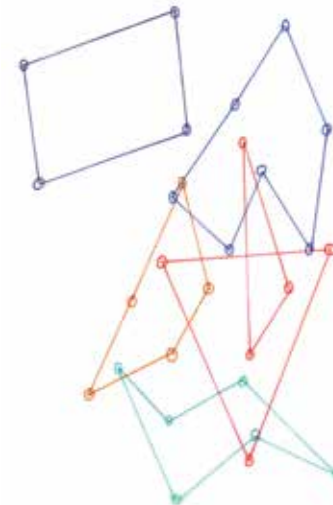
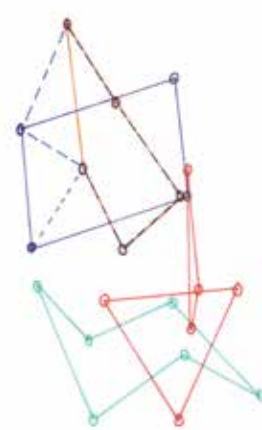
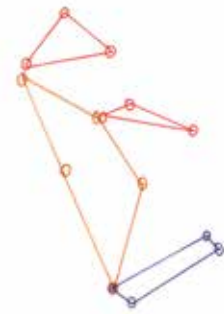
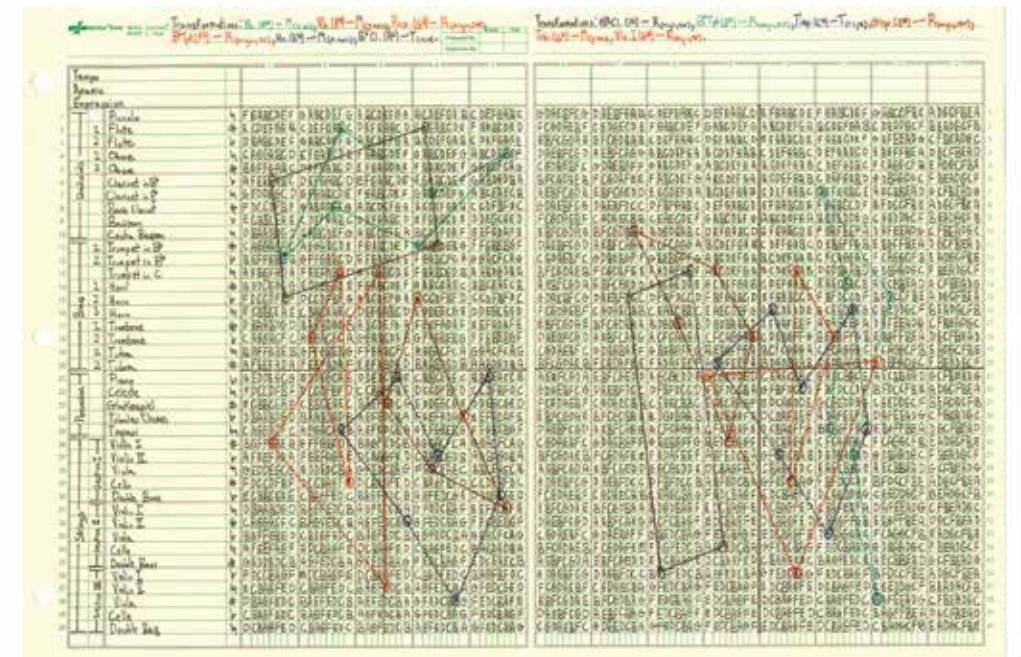
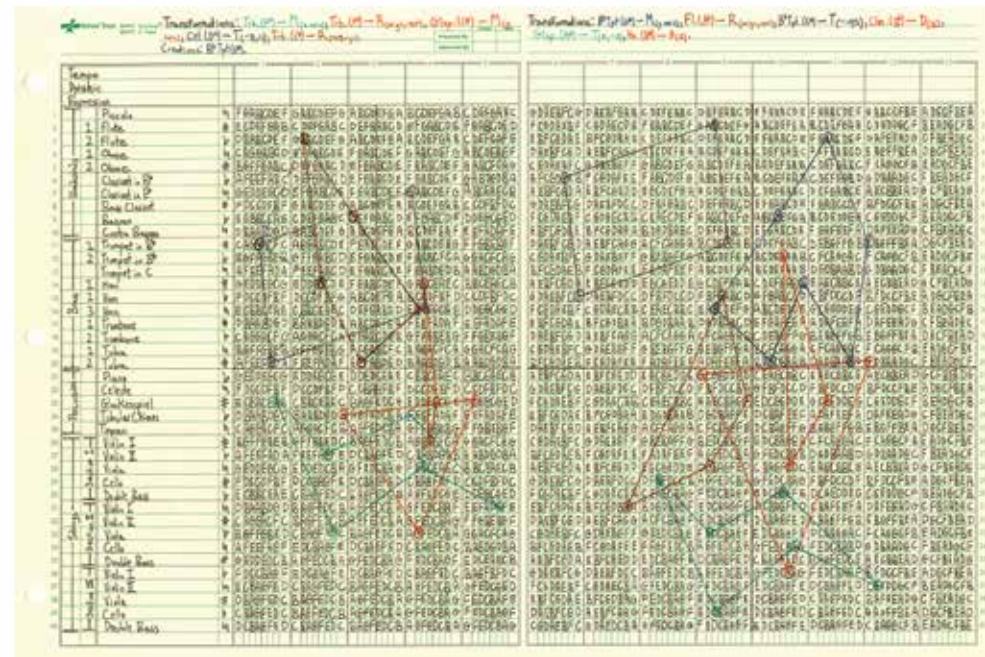
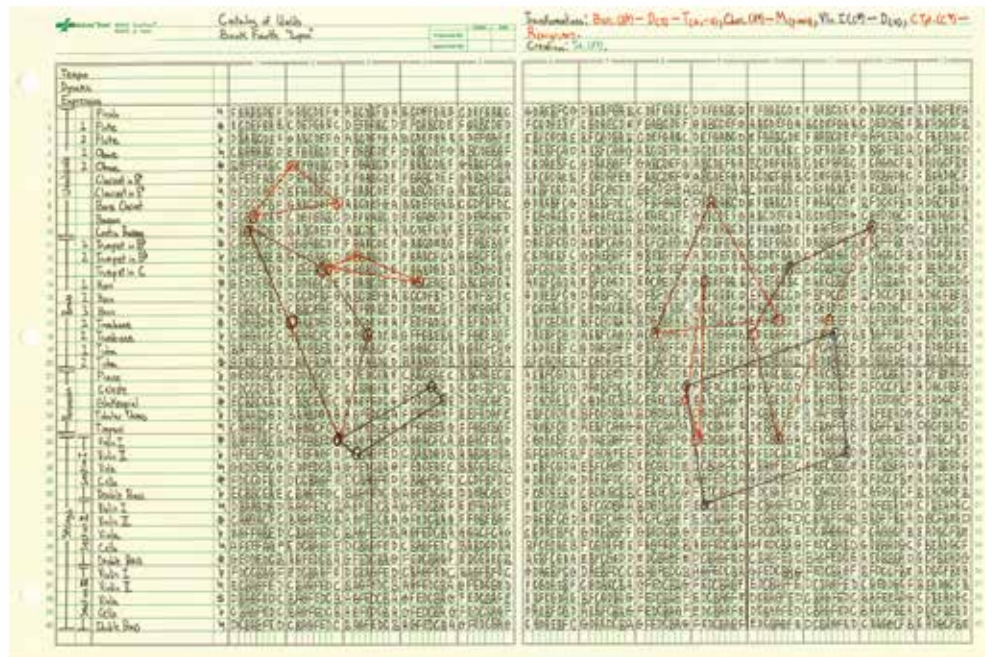
Prepared By _____ Date _____
 Approved By _____

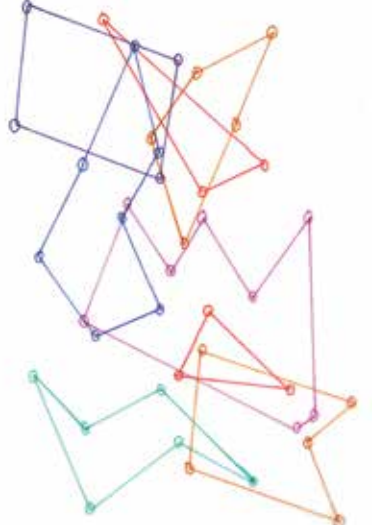
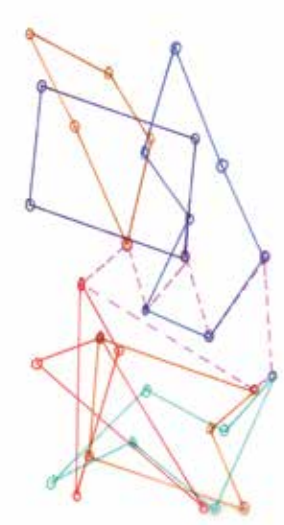
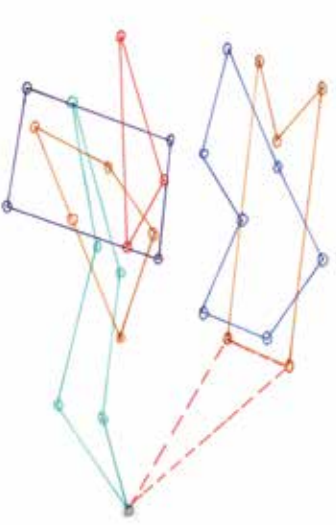
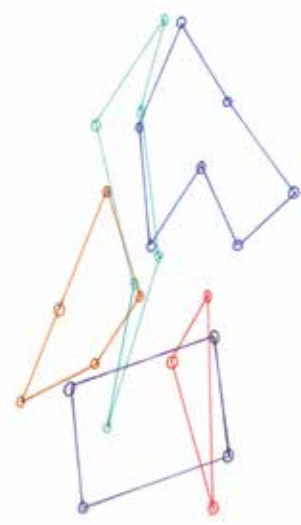
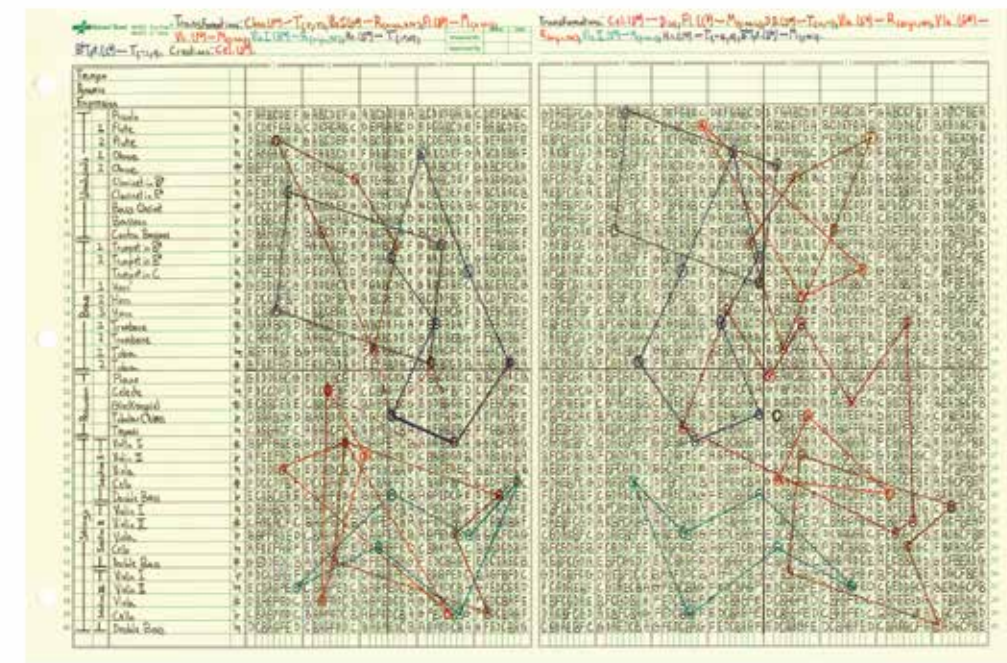
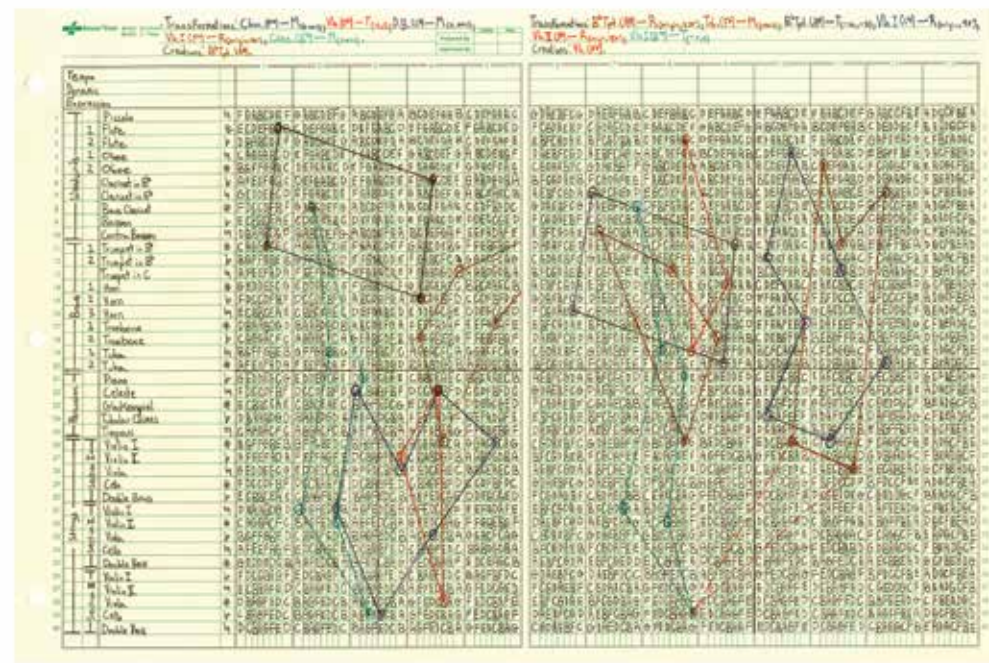
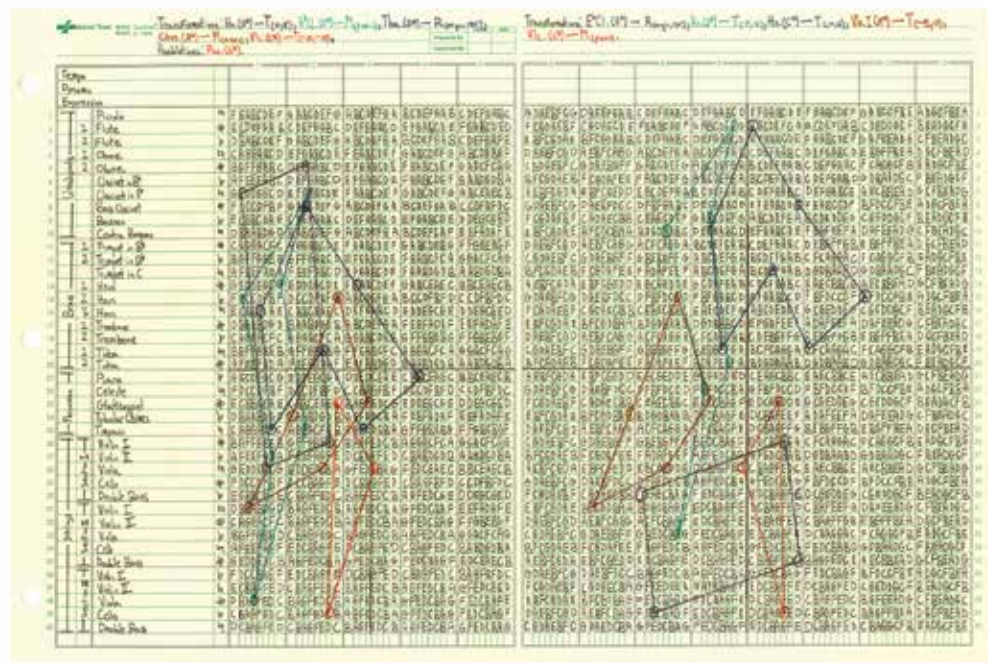
Transformations: Vln. II (E#) - T(2, -5), Vln. II (E#) - M (y, x), Tbn. (E#) - D(-y), Pno. (E#) - T(-6, 7), Cbsn. (G#) - S.

Tempo	Dynamic	Expression	1	2	3	4	5
1		Piccolo	h	F G A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B
2	1	Flute	#	E C D E F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E
3	2	Flute	b	D B A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B
4	1	Oboe	h	C A G G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
5	2	Oboe	#	B A F F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F
6		Clarinet in Bb	b	A F E E F A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F
7		Clarinet in Eb	h	G E D D E G C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
8		Bass Clarinet	#	F D C C D E F B	G A B C D E F G	A B C D E F G A	B C D E F G A B
9		Bassoon	b	E C B B C E A E	C D E F G A B C	D E F G A B C D	E F G A B C D E
10		Contra Bassoon	h	D B A A B D G D	B A B C D E F G	A B C D E F G A	B C D E F G A B
11	1	Trumpet in Bb	#	C A G G A C F C	A G G A B C D E	F G A B C D E F	G A B C D E F G
12	2	Trumpet in Bb	b	B G F F G B E B	G F F G B E B C	B A G F E D C B	A G G A C F C A
13		Trumpet in C	h	A F E E F A D A	F E E F A D A F	E D C B A G F E	D C B A G F E D
14	1	Horn	#	G E D D E G C G	E D D E G C G E	F G A B C D E F	G A B C D E F G
15	2	Horn	b	F D C C D F B A	D C C D F B A G	A B C D E F G A	B C D E F G A B
16	3	Horn	h	E C B B C E A E	C B B C E A E C	D E F G A B C D	E D D E G C G E
17	1	Trumpet in Bb	#	D B A A B D G D	B A A B D G D B	A B C D E F G A	F E E F A D A F
18	2	Trumpet in Bb	b	C A G G A C F C	A G G A C F C A	G G A C F C A G	F F G B E B G F
19	1	Tuba	h	B A F F G B E B	G F F G B E B C	F F G A B C F G	A G G A C F C A
20	2	Tuba	#	A F E E F A D A	F E E F A D A F	E E F A B D G D	B A A B D G D B
21		Piano	b	G E D D E G C G	E D D E G C G E	D D E C E A E C	B B C E A E C B
22		Celeste	h	F D C C D F B F	D C C D F B F D	C C B A G F B F	D C C D F B F D
23		Glockenspiel	#	E C B B C E A E	C B B C E A E C	B A G F E D C B	E D D E G C G E
24		Tubular Chimes	b	D B A A B D G D	B A A B D G D B	A G F E D C B A	F E E F A D A F
25		Timpani	h	C A G G A C F C	A G G A C F C A	G F F G B E B G	F F G B E B G F
26		Violin I	#	B G F F G B E B	G F F G B E B C	B A G F E D C B	A G G A C F C A
27		Violin II	b	A F E E F A D A	F E E F A D A F	D C B A G F E D	C B A B D G D B
28		Viola	h	G E D D E G C G	E D D E G C G A	F E D C B A G F	E D C E A E C B
29		Cello	#	F D C C D F B F	D C C D F B F D	C B A G F B A G	C D F B F D C
30		Double Bass	b	E C B B C E A E	C B A G F E D C	B A G F E D C B	A G F E D C G E
31		Violin I	h	D B A A B D G D	B A A B D G D B	A G F E D C B A	F E E F A D A F
32		Violin II	#	C A G G A C F C	B A G F E D C B	A G F E D C B A	G F F G B E B G
33		Viola	b	B G F F G B E B	C B A G F E D C	B A G F E D C B	A G F E D C G A
34		Cello	h	A F E E F A G F	E D C B A G F E	D C B A G F E D	C B A B D G D B
35		Double Bass	#	G E D D E D C B	A G F E D C B A	G F E D C B A G	F E D C E A E C B
36		Violin I	b	F D C C B A G F	E D C B A G F E	D C B A G F E D	C B A G F B F D C
37		Violin II	h	E C B A G F E D	C B A G F E D C	B A G F E D C B	A G F E D C G E D
38		Viola	#	D B A G F E D C	B A G F E D C B	A G F E D C B A	G F E D C B A F E
39		Cello	b	C B A G F E D C	B A G F E D C B	A G F E D C B A	G F E D C B A G F
40		Double Bass	h	D C B A G F E D	C B A G F E D C	B A G F E D C B	A G F E D C B A G

Tempo	Dynamic	Expression	6	7	8	9	10	11	12	13
1		Piccolo	h	G D A E B F C G	D A E B F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
2		Flute	#	F C G D A E B F	C D A E C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E D D G C F	B E A D G C F B
3		Flute	b	E B F C G D A E	B F C G D B A B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F A F E E A D G	C F B E A D G C
4		Oboe	h	D A E B F C G D	A E B F C A G G	A B C D E F G A	B C D E F G A B	C D E F G A B C	D E F G A B C D	E B G F F B E A
5		Oboe	#	C D A E B F C G	D A E B G F F G	A B C D E F G A	B C D E F G A B	C D E F G A B C	D E F G A B C D	E A D G C F B E
6		Clarinet in Bb	b	B F C G D A E B	F C B D A F E E	F A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B D	G D B A A D G C
7		Clarinet in Eb	h	A E B F C G D A	E B F C G E D D	E G C D E F G A	B C D E F G A B	C D E F G A B C	D E F G A B C E	A E C B B E A D
8		Bass Clarinet	#	G D A E B F C G	D A E B F D C C	D F B F D C C D	E F G A B C D E	F G A B C C D F	B F D C C F B E	A D G C F B E A
9		Bassoon	b	F C G D A E B F	C G D A E C B B	C E A E C D E F	G A B C D E F G	A B C D E F G A	B C D E D D E G	C G E D D G C F
10		Contra Bassoon	h	E B F C G D A E	B F C G D B A A	B D G D B A B C	D E F G A B C D	E F G A B C D E	F A F E E F A D	A F E E A D G C
11		Trumpet in Bb	#	D A E B F C G D	A E B F C A G G	A C F C A G G A	B C D E F G A B	C D E F G A B C	D E B G F F G B	E B G F F B E A
12		Trumpet in Bb	b	C G D A E B F C	G D A E B G F F	G B E B G F F G	A B C D E F G A	B C D E F G A B	C F C A G G A C	F C A G G C F B
13		Trumpet in C	h	B F C G D A E B	F C G D A F E E	F A D A F E E F	A B G D E F G A	B C D E F G A B	D G D B A A B D	G D B A A D G C
14		Horn	#	A E B F C G D A	E B F C G E D D	E G C D E F G A	B C D E F G A B	C D E F G A B C	D E A E C B B C	E A E C B B E A
15		Horn	b	G D A E B F C G	D A E B F D C C	D F B F D C C D	E F G A B C D E	F G A B C C D F	B F D C C F B E	A D G C F B E A
16		Horn	h	F C G D A E B F	C G D A E C B B	C E A E C B B C	E A E C D E F G	A B C D E D D E	G C G E D D E G	C G E D D G C F
17		Trumpet in Bb	#	E B F C G D A E	B F C G D B A A	B D G D B A B D	D G D B A B C D	E F G A F E E F	A D A F E E F A	D A F E E A D G
18		Trumpet in Bb	b	D A E B F C G D	A E B F C A G G	A C F C A G G A	C F C A G G A B	C D E B G F F G	B E B G F F G B	E B G F F B E A
19		Tuba	h	C G D A E B F C	G D A E B G F F	G B E B G F F G	B E B G F F G A	B C F C A G G A	C F C A G G A C	F C A G G C F B
20		Tuba	#	B F C G D A E B	F C G D A F E E	F A D A F E E F	A B G D B A A B	D G D B A A B D	G D B A A D G C	F B E A D G C F
21		Piano	b	A E B F C G D A	E B F C G E D D	E G C D E D D E	G G C E D D E D	C E A E C B B C	E A E C B B C E	A E C B B E A D
22		Celeste	h	G D A E B F C G	D A E B F D C C	D F B F D C C D	F B F D C C B A	G F B F D C C D	F B F D C C D F	B F D C C F B E
23		Glockenspiel	b	F C G D A E B F	C G D A E C B B	C E A E C B B C	E A E C D E F G	A B C D E D D E	G C G E D D E G	C G E D D G C F
24		Tubular Chimes	h	E B F C G D A E	B F C G D B A A	B D G D B A B D	D G D B A B C D	E F G A F E E F	A D A F E E F A	D A F E E A D G
25		Timpani	#	D A E B F C G D	A E B F C A G G	A C F C A G G A	C F C A G G A B	C D E B G F F G	B E B G F F G B	E B G F F B E A
26		Violin I	b	C G D A E B F C	G D A E B G F F	G B E B G F F G	B E D C B A G F	E D C B A G G A	C F C A G G A C	F C A G G C F B
27		Violin II	h	B F C G D A E B	F C G D A F E E	F A D A F E E F	E A G F E D C B A	G F E D C B A B	D G D B A A B D	G D B A A D G C
28		Viola	#	A E B F C G D A	E B F C G E D D	E G C D E D D E	D C B A G F E D	C B A G F E D C	E A E C B B C E	A E C B B E A D
29		Cello	b	G D A E B F C G	D A E B F D C C	D F B F D C C D	B A G F E D C B A	G F E D C B A G	F B F D C C D F	B F D C C F B E
30		Double Bass	h	F C G D A E B F	C G D A E C B B	C E A E C B A G	F E D C B A G F	E D C B A G F E	D C G E D D E G	C G E D D G C F
31		Violin I	b	E B F C G D A E	B F C G D B A A	B D G D B A G F	E D C B A G F E	D C B A G F E D	C B A F E E F A	D A F E E A D G
32		Violin II	#	D A E B F C G D	A E B F C A G G	A C F C B A G F	E D C B A G F E	D C B A G F E D	C B A G F F G B	E B G F F B E A
33		Viola	b	C G D A E B F C	G D A E B G F F	G B E D C B A G	F E D C B A G F	E D C B A G F E	D C B A G G A C	F C A G G C F B
34		Cello	h	B F C G D A E B	F C G D A F E E	F A G F E D C B A	G F E D C B A G	F E D C B A G F	E D C B A B D	G D B A A D G C
35		Double Bass	#	A E B F C G D A	E B F C G E D D	E D C B A G F E	D C B A G F E D	C B A G F E D C	B A G F E D C E	A E C B B E A D
36		Violin I	b	G D A E B F C G	D A E B F D C C	B A G F E D C B A	G F E D C B A G	F E D C B A G F	B F D C C F B E	A D G C F B E A
37		Violin II	h	F C G D A E B F	C G D A E C B A	G F E D C B A G	F E D C B A G F	E D C B A G F E	D C B A G F E D	C G E D D G C F
38		Viola	#	E B F C G D A E	B F C G D B A G	F E D C B A G F	E D C B A G F E	D C B A G F E D	C B A G F E D C	B A F E E A D G
39		Cello	b	D A E B F C G D	A E B F C B A G	F E D C B A G F	E D C B A G F E	D C B A G F E D	C B A G F E D C	B A G F F B E A
40		Double Bass	h	C G D A E B F C	G D A E D C B A	G F E D C B A G	F E D C B A G F	E D C B A G F E	D C B A G F E D	C B A G G C F B

Book Fourth "Lupus"





Catalog of Worlds
Book Fourth "Lupus"

Prepared By _____ Date _____
Approved By _____

		1	2	3	4	5
	Tempo					
	Dynamic					
	Expression					
1	Piccolo	♩	F G A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B
2	1 Flute	#	E C D E F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E
3	2 Flute	♭	D B A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B
4	1 Oboe	♩	C A G G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
5	2 Oboe	#	B G F F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F
6	Clarinet in B ^b	♭	A F E E F A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F
7	Clarinet in E ^b	♩	G E D D E G G	F A B C D E F G	A B C D E F G A	B C D E F G A B
8	Bass Clarinet	#	F D C C D F B F	G A B C D E F G	A B C D E F G A	B C D E F G A B
9	Bassoon	♭	E C B B C E A E	C D E F G A B C	D E F G A B C D	E F G A B C D E
10	Contra Bassoon	♩	D B A A B D G D	B A B C D E F G	A B C D E F G A	B C D E F G A B
11	1 Trumpet in B ^b	#	C A G G A C F C	A G G A C F C A	G A G C F C A G	A G G A C F C A
12	2 Trumpet in B ^b	♭	B G F F G B E B	G F F G B E B G	F F G B E B G F	F G B E B G F G
13	Trumpet in C	♩	A F E E F A D A	F E E F A D A F	E E F A D A F E	E F A D A F E E
14	1 Horn	#	G E D D E G G	E D D E G G E	D D E G G E D	D E G G E D E
15	2 Horn	♭	F D C C D F B F	D C C D F B F D	C C D F B F D C	C D F B F D C
16	3 Horn	♩	E C B B C E A E	C B B C E A E C	B B C E A E C B	B C E A E C B B
17	1 Trombone	#	D B A A B D G D	B A A B D G D B	A A B D G D B A	A B D G D B A B
18	2 Trombone	♭	C A G G A C F C	A G G A C F C A	G A G C F C A G	A G G A C F C A
19	1 Tuba	♩	B G F F G B E B	G F F G B E B G	F F G B E B G F	F G B E B G F G
20	2 Tuba	#	A F E E F A D A	F E E F A D A F	E E F A D A F E	E F A D A F E E
21	Piano	♭	G E D D E G G	E D D E G G E	D D E G G E D	D E G G E D E
22	Celeste	♩	F D C C D F B F	D C C D F B F D	C C D F B F D C	C D F B F D C
23	Glockenspiel	#	E C B B C E A E	C B B C E A E C	B B C E A E C B	B C E A E C B B
24	Tubular Chimes	♭	D B A A B D G D	B A A B D G D B	A A B D G D B A	A B D G D B A B
25	Timpani	♩	C A G G A C F C	A G G A C F C A	G A G C F C A G	A G G A C F C A
26	Violin I	#	B G F F G B E B	G F F G B E B G	F F G B E B G F	F G B E B G F G
27	Violin II	♭	A F E E F A D A	F E E F A D A F	E E F A D A F E	E F A D A F E E
28	Viola	♩	G E D D E G G	E D D E G G E	D D E G G E D	D E G G E D E
29	Cello	#	F D C C D F B F	D C C D F B F D	C C D F B F D C	C D F B F D C
30	Double Bass	♭	E C B B C E A E	C B B C E A E C	B B C E A E C B	B C E A E C B B
31	Violin I	♩	D B A A B D G D	B A A B D G D B	A A B D G D B A	A B D G D B A B
32	Violin II	#	C A G G A C F C	A G G A C F C A	G A G C F C A G	A G G A C F C A
33	Viola	♭	B G F F G B E B	G F F G B E B G	F F G B E B G F	F G B E B G F G
34	Cello	♩	A F E E F A D A	F E E F A D A F	E E F A D A F E	E F A D A F E E
35	Double Bass	#	G E D D E G G	E D D E G G E	D D E G G E D	D E G G E D E
36	Violin I	♭	F D C C B A G F	E D C B A G F E	D C B A G F E D	C B A G F E D C
37	Violin II	♩	E C B A G F E D	C B A G F E D C	B A G F E D C B	A G F E D C B A
38	Viola	#	D B A G F E D C	B A G F E D C B	A G F E D C B A	G F E D C B A G
39	Cello	♭	C B A G F E D C	B A G F E D C B	A G F E D C B A	G F E D C B A G
40	Double Bass	♩	D C B A G F E D	C B A G F E D C	B A G F E D C B	A G F E D C B A

Transformations: Bsn. (B^b) - D(3) - T(6, -6), Cbn. (A^b) - M(y axis), Vln. I (C[#]) - D(4), CTpt. (C[#]) - R(origin, 90°).
Creations: Trb. (F^b).

		6	7	8	9	10	11	12	13
1	Piccolo	♩	G D A E B F C G	D A E B F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
2	1 Flute	#	F C G D A E B F	C G D A E B F C	G D A E B F C G	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
3	2 Flute	♭	E B F C G D A E	B F C G D B A B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
4	1 Oboe	♩	D A E B F C G D	A E B F C G G	A B C D E F G A	B C D E F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E
5	2 Oboe	#	C G D A E B F C	G D A E B G F F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C	D E F G A B C D
6	Clarinet in B ^b	♭	B F C G D A E B	F C G D A F E E	F A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C	D E F G A B C D
7	Clarinet in E ^b	♩	A E B F C G D A	E B F C G E D D	E G C D E F G A	B C D E F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E
8	Bass Clarinet	#	G D A E B F C G	D A E B F D C C	D F B F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
9	Bassoon	♭	F C G D A E B F	C G D A E C B B	C E A E C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C
10	Contra Bassoon	♩	E B F C G D A E	B F C G D B A A	B D G D B A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
11	1 Trumpet in B ^b	#	D A E B F C G D	A E B F C A G G	A C F C A G G A	B C D E F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E
12	2 Trumpet in B ^b	♭	C G D A E B F C	G D A E B G F F	G B E B G F F G	A B C D E F G A	B C D E F G A B	C D E F G A B C	D E F G A B C D
13	Trumpet in C	♩	B F C G D A E B	F C G D A F E E	F A D A F E E F	A B C D E F G A	B C D E F G A B	C D E F G A B C	D E F G A B C D
14	1 Horn	#	A E B F C G D A	E B F C G E D D	E G C G E D D E	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C
15	2 Horn	♭	G D A E B F C G	D A E B F D C C	D F B F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
16	3 Horn	♩	F C G D A E B F	C G D A E C B B	C E A E C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B	C D E F G A B C
17	1 Trombone	#	E B F C G D A E	B F C G D B A A	B D G D B A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
18	2 Trombone	♭	D A E B F C G D	A E B F C A G G	A C C A G G A C	F C A G G A B C	D E B G F F G	B E B G F F G	B E B G F F G
19	1 Tuba	♩	C G D A E B F C	G D A E B G F F	G B E B G F F G	A B C D E F G A	B C D E F G A B	C D E F G A B C	D E F G A B C D
20	2 Tuba	#	B F C G D A E B	F C G D A F E E	F A D A F E E F	A D A F E E F A	B D G D B A A B	D G D B A A B	D G D B A A B
21	Piano	♭	A E B F C G D A	E B F C G E D D	E B C G E D D E	G C G E D D E D	C A E C B B C	E A E C B B C	E A E C B B C
22	Celeste	♩	G D A E B F C G	D A E B F D C C	D F B F D C C B	A G F B D C C G	F B F D C C D F	B F D C C D F	B F D C C D F
23	Glockenspiel	#	F C G D A E B F	C G D A E C B B	C E A E C B B C	E A E C B A G F	E D C G E D D E	G C G E D D E	G C G E D D E
24	Tubular Chimes	♭	E B F C G D A E	B F C G D B A A	B D G D B A A B	D G D B A G F E	D C B A F E E F	A D A F E E F A	D A F E E F A
25	Timpani	♩	D A E B F C G D	A E B F C A G G	A C F C A G G A	B C B A G F E D	C B A G F F G	B E B G F F G	B E B G F F G
26	Violin I	#	C G D A E B F C	G D A E B G F F	G B E B G F F G	B E D C B A G F	E D C B G G A	C F G A G G A	C F G A G G A
27	Violin II	♭	B F C G D A E B	F C G D A F E E	F A D A F E E F	A G F E D C B A	G F E D C B A B	D G D B A A B	D G D B A A B
28	Viola	♩	A E B F C G D A	E B F C G E D D	E G C G E D D E	D C B A G F E D	C B A G F E D C	E A E C B B C	E A E C B B C
29	Cello	#	G D A E B F C G	D A E B F D C C	D F B F D C C B	A G F E D C B A	G F E D C B A B	D G D B A A B	D G D B A A B
30	Double Bass	♭	F C G D A E B F	C G D A E C B B	C E A E C B A G	F E D C B A G F	E D C B A G F E	D C B A G F E D	D C B A G F E D
31	Violin I	♩	E B F C G D A E	B F C G D B A A	B D G D B A G F	E D C B A G F E	D C B A G F E D	C B A F E E F A	D A F E E F A
32	Violin II	#	D A E B F C G D	A E B F C A G G	A C F C B A G F	E D C B A G F E	D C B A G F E D	C B A G F F G	B E B G F F G
33	Viola	♭	C G D A E B F C	G D A E B G F F	G B E D C B A G	F E D C B A G F	E D C B A G F E	D C B A G G A	C F A G G G A
34	Cello	♩	B F C G D A E B	F C G D A F E E	F A G F E D C B	A G F E D C B A	G F E D C B A B	D G D B A A B	D G D B A A B
35	Double Bass	#	A E B F C G D A	E B F C G E D D	E D C B A G F E	D C B A G F E D	C B A G F E D C	E A E C B B C	E A E C B B C
36	Violin I	♭	G D A E B F C G	D A E B F D C C	B A G F E D C B	A G F E D C B A	G F E D C B A B	B F D C C D F	B F D C C D F
37	Violin II	♩	F C G D A E B F	C G D A E C B A	G F E D C B A G	F E D C B A G F	E D C B A G F E	D C B A G F E D	C B A G F E D C
38	Viola	#	E B F C G D A E	B F C G D B A G	F E D C B A G F	E D C B A G F E	D C B A G F E D	C B A G F E D C	B A F E E A D G
39	Cello	♭	D A E B F C G D	A E B F C B A G	F E D C B A G F	E D C B A G F E	D C B A G F E D	C B A G F F E A	D G C F B E A D
40	Double Bass	♩	C G D A E B F C	G D A E D C B A	G F E D C B A G	F E D C B A G F	E D C B A G F E	D C B A G F E D	C B A G C F B E

Transformations: $T_{rb. (F^{\#})} - M_{(x, axis)}$, $T_{rb. (F^{\#})} - R_{(origin, 180^{\circ})}$, $G_{isp. (C^{\#})} - M_{(y, axis)}$, $Cel. (D^{\#}) - T_{(-8, 11)}$, $T_{rb. (C^{\#})} - R_{(origin, 90^{\circ})}$.
 Creations: $B^{\#}T_{pt. (G^{\#})}$.

Prepared By _____
 Approved By _____

Tempo	Dynamic	Expression	1	2	3	4	5	
1		Piccolo	h	FGABCDEF	GABCDEFG	ABCDEFGA	BCDEFGAB	CDEFGABC
2	1	Flute	#	E CDEFGAB	C DEF GABC	D EFG ABCD	E FG ABCDE	F GABCDEF
3	2	Flute	b	DBABCDEF	G ABCDEF	A BCDEFGA	B CDEF GAB	C DEF GAFE
4	1	Oboe	h	CAGGABCD	EFGABCDEF	G ABCDEF	H ABCDEF	I ABCDEF
5	2	Oboe	#	BGFFGABC	DEF GABC	EFG ABCDE	F G ABCDEF	G ABCFGA
6		Clarinet in B ^b	b	A FEEFABC	DEF GABC	EFG ABCDE	F G ABCDEF	G AB DGD BA
7		Clarinet in E ^b	h	G EDDEG C	DEF GABC	EFG ABCDE	F G ABCDEF	G ABCDEF
8		Bass Clarinet	#	F DCCDFBF	G ABCDEF	H ABCDEF	I ABCDEF	J ABCDEF
9		Bassoon	b	E GBCCAE	C DEF GABC	D EFG ABC	E F G ABCDE	F G ABCDE
10		Contra Bassoon	h	D BAABDGD	B ABCDEF	G A BCDEF	H A BCDEF	I EFADAFE
11	1	Trumpet in B ^b	#	CAGGACFC	AGGABCDE	F G ABCDEF	G ABCDEF	H FG BEBGF
12	2	Trumpet in B ^b	b	BGFFGBER	GFFGABC	DEF GABC	E F G ABCFG	G GAGFCAG
13		Trumpet in C	h	A FEEFADA	FEEFABC	DEF GABC	E F G ABCD	B A ABDGD BA
14	1	Horn	#	G EDDEG C	EDDEG C	EFG ABCDE	F G ABCDE	B BCEAECB
15	2	Horn	b	F DCCDFBF	DCCDFBF	G ABCDEF	H ABCDEF	C CDFBFD
16	3	Horn	h	E CBCCAE	C BCCAE	DEF GABC	E F G ABC	D DEGGGE
17	1	Trombone	#	D BAABDGD	B AABDGD	A BCDEF	F EEFADA	F EEFADA
18	2	Trombone	b	CAGGACFC	AGGACFC	G ABCDEF	G FFG BEBGF	F FG BEBGF
19	1	Tuba	h	BGFFGBER	GFFGBER	A G ABCFC	A G GACFC	G GACFCAG
20	2	Tuba	#	A FEEFADA	FEEFADA	E F A B D G	B A A B D G	B A A B D G
21		Piano	b	G EDDEG C	EDDEG C	E D D E C E	C B C E A E C	B C E A E C B
22		Celeste	h	F DCCDFBF	DCCDFBF	C B A G F B	D C C D F B	C C D F B D C
23		GlacKenspiel	#	E CBCCAE	C BCCAE	B A G F E D	G E D D E C	E D E C G E D
24		TubularChimes	b	D BAABDGD	B AABDGD	A B F E D C	F E E F A D	F E E F A D
25		Timpani	h	CAGGACFC	AGGACFC	B A G F E D	G F F G B E	B G F G B E
26		Violin I	#	BGFFGBER	GFFGBED	B A G F E D	C A G G S E	G G A C F C A
27		Violin II	b	A FEEFADA	FEEFADF	E D C B A G	F E D C B A	B A A B D G
28		Viola	h	G EDDEG C	E D D E C B	A G F E D C	B A G F E D	C B C E A E C B
29		Cello	#	F DCCDFBF	D C C B A G	F E D C B A	G B A G F E	D C C D F B D
30		Double Bass	b	E CBCCAE	C B A G F E	D C B A G F	E D C E G G	E D E C C G E D
31		Violin I	h	D BAABDGD	B A G F E D	C A G F E D	C B A G F E	E E F A D A F E
32		Violin II	#	CAGGACFC	B A G F E D	C A G F E D	C B A G F E	F F G B E B G F
33		Viola	b	BGFFGBED	C B A G F E	D C B A G F	A G F E D C	G G A C F C A G
34		Cello	h	A FEEFAGF	E D C B A G	F E D C B A	G F E D C B	B A B D G D B A
35		Double Bass	#	G EDDEDC	B A G F E D	C A G F E D	C B A G F E	E D C E A E C B
36		Violin I	b	F DCCBAGF	E D C B A G	F E D C B A	G B A G F E	C B A G F B D C
37		Violin II	h	E C B A G F E	D C B A G F	E D C B A G	F E D C B A	G F E D C G E D
38		Viola	#	D B A G F E D	C B A G F E	D C B A G F	E D C B A G	F E D C B A F E
39		Cello	b	C B A G F E D	C B A G F E	D C B A G F	E D C B A G	F E D C B A G F
40		Double Bass	h	D C B A G F E	D C B A G F	E D C B A G	F E D C B A	G F E D C B A G

Transformations: $B^{\#}T_{pt. (G^{\#})} - M_{(y, axis)}$, $F_{l. (A^{\#})} - R_{(origin, 90^{\circ})}$, $B^{\#}T_{pt. (G^{\#})} - T_{(-10, 5)}$, $Chn. (B^{\#}) - D_{(2)}$, $G_{isp. (A^{\#})} - T_{(0, -6)}$, $Hn. (B^{\#}) - D_{(2)}$.

6	7	8	9	10	11	12	13
1	GDAEBFCG	DAEBFGAB	C DEFGABC	DEFGABCD	EFGABCDE	F G ABCDEF	G ABCCFBE
2	FCGDAEBF	CGDAECDE	F G ABCDEF	G ABCDEF	A BCDEFGA	B CDEF GAB	C DEDDGC
3	ERFCGDAE	BFCGDBAB	C DEFGABC	D EFG ABCD	E FG ABCDE	F G ABCDEF	G AFEEADG
4	DAEBFCGD	A EBFCAGG	A BCDEFGA	B CDEF GAB	C DEF GABC	D EFG ABC	E B G F F B E A
5	CGDAEBFC	G DAEBGFF	G ABCDEF	A BCDEF	B CDEF GAB	C DEF GABC	F CAGGCFB
6	BFCGDAEB	F CGDAFEE	F ABCDEF	G ABCDEF	A BCDEF	B CDEF GAB	D G D B A A D G
7	AEBFCGDA	E BFCGEDD	E G CDEFBA	B CDEF GAB	C DEF GABC	D EFG ABC	A E C B B E A D
8	GDAEBFCG	DAEBFDCC	D F B F D C C D	F B F D C C B A	G F B D C C D	F B F D C C D	B F D C C F B E
9	FCGDAEBF	C GDAECBB	C E A E C B C	E A E C B A G	E D C G E D D E	G C B E D D E G	C G E D D G C F
10	ERFCGDAE	BFCGDBAA	B D G D B A A B	D G D B A A B	D G D B A A B	D G D B A A B	D G D B A A B
11	DAEBFCGD	A EBFCAGG	A C F C A G G A	C F C A G G A	C F C A G G A	C F C A G G A	C F C A G G A
12	CGDAEBFC	G DAEBGFF	G B E B G F F G	B E B G F F G	B E B G F F G	B E B G F F G	B E B G F F G
13	BFCGDAEB	F CGDAFEE	F A D A F E E F	A D A F E E F	A D A F E E F	A D A F E E F	A D A F E E F
14	AEBFCGDA	E BFCGEDD	E G C G E D D E	G C D E F B A	C D E F G A B	D E F G A B C	E A E C B B C E
15	GDAEBFCG	DAEBFDCC	D F B F D C C D	F B F D C C B A	G F B D C C D	F B F D C C D	B F D C C F B E
16	FCGDAEBF	C GDAECBB	C E A E C B C	E A E C B A G	E D C G E D D E	G C B E D D E G	C G E D D G C F
17	ERFCGDAE	BFCGDBAA	B D G D B A A B	D G D B A A B	D G D B A A B	D G D B A A B	D G D B A A B
18	DAEBFCGD	A EBFCAGG	A C F C A G G A	C F C A G G A	C F C A G G A	C F C A G G A	C F C A G G A
19	CGDAEBFC	G DAEBGFF	G B E B G F F G	B E B G F F G	B E B G F F G	B E B G F F G	B E B G F F G
20	BFCGDAEB	F CGDAFEE	F A D A F E E F	A D A F E E F	A D A F E E F	A D A F E E F	A D A F E E F
21	AEBFCGDA	E BFCGEDD	E G C G E D D E	G C E D D E D	C E A E C B C	E A E C B C E	A E C B B E A D
22	GDAEBFCG	DAEBFDCC	D F B F D C C D	F B F D C C B A	G F B D C C D	F B F D C C D	B F D C C F B E
23	FCGDAEBF	C GDAECBB	C E A E C B C	E A E C B A G	E D C G E D D E	G C B E D D E G	C G E D D G C F
24	ERFCGDAE	BFCGDBAA	B D G D B A A B	D G D B A A B	D G D B A A B	D G D B A A B	D G D B A A B
25	DAEBFCGD	A EBFCAGG	A C F C A G G A	C F C A G G A	C F C A G G A	C F C A G G A	C F C A G G A
26	CGDAEBFC	G DAEBGFF	G B E B G F F G	B E B G F F G	B E B G F F G	B E B G F F G	B E B G F F G
27	BFCGDAEB	F CGDAFEE	F A D A F E E F	A D A F E E F	A D A F E E F	A D A F E E F	A D A F E E F
28	AEBFCGDA	E BFCGEDD	E G C G E D D E	D B A G F E D	C B A G F E D	C B A G F E D	E A E C B B C E
29	GDAEBFCG	DAEBFDCC	D F B F D C C D	A G F E D C B A	G F E D C B A	F B F D C C D	B F D C C F B E
30	FCGDAEBF	C GDAECBB	C E A E C B A G	F E D C B A G	F E D C B A G	F E D C B A G	C G E D D G C F
31	ERFCGDAE	BFCGDBAA	B D G D B A A B	D G D B A A B	D G D B A A B	D G D B A A B	D G D B A A B
32	DAEBFCGD	A EBFCAGG	A C F C A G G A	C F C A G G A	C F C A G G A	C F C A G G A	C F C A G G A
33	CGDAEBFC	G DAEBGFF	G B E B G F F G	B E B G F F G	B E B G F F G	B E B G F F G	B E B G F F G
34	BFCGDAEB	F CGDAFEE	F A G F E D C B	A G F E D C B A	G F E D C B A	G F E D C B A	G D B A A D G C
35	AEBFCGDA	E BFCGEDD	E D C B A G F E	D C B A G F E	C B A G F E D	C B A G F E D	E A E C B B E A D
36	GDAEBFCG	DAEBFDCC	B A G F E D C B	A G F E D C B A	G F E D C B A	G F E D C B A	B F D C C F B E
37	FCGDAEBF	C GDAECBA	G F E D C B A G	F E D C B A G	F E D C B A G	F E D C B A G	C G E D D G C F
38	ERFCGDAE	BFCGDBAG	F E D C B A G	F E D C B A G	F E D C B A G	F E D C B A G	B A F E E A D G
39	DAEBFCGD	A EBFCBAG	F E D C B A G	F E D C B A G	F E D C B A G	F E D C B A G	B A G F F B E A
40	CGDAEBFC	G DAEDCBA	G F E D C B A G	F E D C B A G	F E D C B A G	F E D C B A G	E A D G C F B E

Transformations: Cbsn. (F#) - M(x, axis), Vla. (D#) - T(4,1), D.B. (C#) - M(x, axis),
Vln. I (F#) - R(origin, 180), Cbsn. (Bb) - M(x, axis).
Creations: B⁺T_{pt.}(A#).

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Transformations: B⁺T_{pt.}(A#) - R(origin, 270), Tcb. (F#) - M(x, axis), B⁺T_{pt.}(A#) - T(-10, -5), Vln. I (C#) - R(origin, 90),
Vln. II (D#) - R(origin, 180), Vln. I (Bb) - T(-2, 0)
Creations: Vlc. (F#).

Tempo	Dynamic	Expression	1	2	3	4	5
1		Piccolo	h	F	G	A	B
2	1	Flute	#	E	C	D	F
3	2	Flute	b	D	B	A	C
4	1	Oboe	h	C	A	G	B
5	2	Oboe	#	B	G	F	A
6		Clarinet in Bb	b	A	F	E	D
7		Clarinet in Eb	h	G	E	D	C
8		Bass Clarinet	#	F	D	C	B
9		Bassoon	b	E	C	B	A
10		Contr. Bassoon	h	D	B	A	C
11	1	Trumpet in Bb	#	C	A	G	B
12	2	Trumpet in Bb	b	B	G	F	A
13		Trumpet in C	h	A	F	E	D
14	1	Horn	#	G	E	D	C
15	2	Horn	b	F	D	C	B
16	3	Horn	h	E	C	B	A
17	1	Trombone	#	D	B	A	C
18	2	Trombone	b	C	A	G	B
19	1	Tuba	h	B	G	F	A
20	2	Tuba	#	A	F	E	D
21		Piano	b	G	E	D	C
22		Celeste	h	F	D	C	B
23		Glockenspiel	#	E	C	B	A
24		Tubular Chimes	b	D	B	A	C
25		Timpani	h	C	A	G	B
26		Violin I	#	B	G	F	A
27		Violin II	b	A	F	E	D
28		Viola	h	G	E	D	C
29		Cello	#	F	D	C	B
30		Double Bass	b	E	C	B	A
31		Violin I	h	D	B	A	C
32		Violin II	#	C	A	G	B
33		Viola	b	B	G	F	A
34		Cello	h	A	F	E	D
35		Double Bass	#	G	E	D	C
36		Violin I	b	F	D	C	B
37		Violin II	h	E	C	B	A
38		Viola	#	D	B	A	C
39		Cello	b	C	A	G	B
40		Double Bass	h	D	C	B	A

6	7	8	9	10	11	12	13
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G	D	A	E
D	A	E	B	F	C	G	D
C	G	D	A	E	B	F	C
B	F	C	G	D	A	E	B
A	E	B	F	C	G	D	A
G	D	A	E	B	F	C	G
F	C	G	D	A	E	B	F
E	B	F	C	G			

Transformations: Cbsn. (F#) - T(7,7), Vln. I (G#) - R(origin, 270), Fl. (B#) - M(y axis),
 Vlc. (F#) - M(y axis), Vln. I (B#) - R(origin, 90), Hn. (B#) - T(10,0),
 B*Pt. (C#) - T(-1,0). Creations: Cel. (D#).

Prepared By _____ Date _____
 Approved By _____

Tempo	Dynamic	Expression	1	2	3	4	5
1		Piccolo	4	F G A B C D E F	G A B C D E F G	A B C D E F G A	B C D E F G A B
2	1	Flute	#	E C D E F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E
3	2	Flute	b	D B A B D G D	B A B D G D B	A B C D E F G A	B C D E F G A B
4	1	Oboe	4	C A G G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
5	2	Oboe	#	B G F F G B E B	G F F G B E B G	F G A B C D E F	G A B C D E F G
6		Clarinet in Bb	b	A F E E F A D A	F E E F A D A F	E F G A B C D E	F G A B C D E F
7		Clarinet in Eb	4	G E D D E G C G	E D D E G C G E	F G A B C D E F	G A B C D E F G
8		Bass Clarinet	#	F D C C D F B F	D C C D F B F D	C B A G F E D C	B A G F E D C B
9		Bassoon	b	E C B B C E A E	C B B C E A E C	B A G F E D C B	A G F E D C B A
10		Contra Bassoon	4	D B A A B D G D	B A A B D G D B	A B C D E F G A	B C D E F G A B
11	1	Trumpet in Bb	#	C A G G A C F C	A G G A C F C A	G A B C D E F G	A B C D E F G A
12	2	Trumpet in Bb	b	B G F F G B E B	G F F G B E B G	F G A B C D E F	G A B C D E F G
13		Trumpet in C	4	A F E E F A D A	F E E F A D A F	E F G A B C D E	F G A B C D E F
14	1	Horn	#	G E D D E G C G	E D D E G C G E	F G A B C D E F	G A B C D E F G
15	2	Horn	b	F D C C D F B F	D C C D F B F D	C B A G F E D C	B A G F E D C B
16	3	Horn	4	E C B B C E A E	C B B C E A E C	B A G F E D C B	A G F E D C B A
17	1	Trombone	#	D B A A B D G D	B A A B D G D B	A B C D E F G A	B C D E F G A B
18	2	Trombone	b	C A G G A C F C	A G G A C F C A	G A B C D E F G	A B C D E F G A
19	1	Tuba	4	B G F F G B E B	G F F G B E B G	F G A B C D E F	G A B C D E F G
20	2	Tuba	#	A F E E F A D A	F E E F A D A F	E F G A B C D E	F G A B C D E F
21		Piano	b	G E D D E G C G	E D D E G C G E	F G A B C D E F	G A B C D E F G
22		Celeste	4	F D C C D F B F	D C C D F B F D	C B A G F E D C	B A G F E D C B
23		Glockenspiel	#	E C B B C E A E	C B B C E A E C	B A G F E D C B	A G F E D C B A
24		Tubular Chimes	b	D B A A B D G D	B A A B D G D B	A B C D E F G A	B C D E F G A B
25		Timpani	4	C A G G A C F C	A G G A C F C A	G A B C D E F G	A B C D E F G A
26		Violin I	#	B G F F G B E B	G F F G B E B G	F G A B C D E F	G A B C D E F G
27	Section I	Violin II	b	A F E E F A D A	F E E F A D A F	E F G A B C D E	F G A B C D E F
28		Viola	4	G E D D E G C G	E D D E G C G E	F G A B C D E F	G A B C D E F G
29	Section I	Cello	#	F D C C D F B F	D C C D F B F D	C B A G F E D C	B A G F E D C B
30		Double Bass	b	E C B B C E A E	C B B C E A E C	B A G F E D C B	A G F E D C B A
31	Section II	Violin I	4	D B A A B D G D	B A A B D G D B	A B C D E F G A	B C D E F G A B
32		Violin II	#	C A G G A C F C	A G G A C F C A	G A B C D E F G	A B C D E F G A
33		Viola	b	B G F F G B E B	G F F G B E B G	F G A B C D E F	G A B C D E F G
34	Section II	Cello	4	A F E E F A D A	F E E F A D A F	E F G A B C D E	F G A B C D E F
35		Double Bass	#	G E D D E G C G	E D D E G C G E	F G A B C D E F	G A B C D E F G
36	Section III	Violin I	b	F D C C B A G F	E D C C B A G F	D C B A G F E D	C B A G F E D C
37		Violin II	4	E C B A G F E D	C B A G F E D C	B A G F E D C B	A G F E D C B A
38		Viola	#	D B A G F E D C	B A G F E D C B	A G F E D C B A	G F E D C B A G
39	Section III	Cello	b	C B A G F E D C	B A G F E D C B	A G F E D C B A	G F E D C B A G
40		Double Bass	4	D C B A G F E D	C B A G F E D C	B A G F E D C B	A G F E D C B A

Transformations: Cel. (D#) - D(x), Fl. (C#) - M(y axis), D.B. (D#) - T(11,-1), Vln. (G#) - R(origin, 180), Vln. (G#) - R(origin, 90), Vln. II (D#) - M(y axis), Hn. (C#) - T(-6,0), B*Pt. (B#) - M(y axis).

6	7	8	9	10	11	12	13
1	G D A E B F C G	D A E B F C G D	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
2	F C G D A E B F	C G D A E B F C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A
3	E B F C G D A E	B F C G D A E B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
4	D A E B F C G D	A E B F C G D A	B C D E F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F
5	C G D A E B F C	G D A E B F C G	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A
6	B F C G D A E B	F C G D A E B F	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
7	A E B F C G D A	E B F C G D A E	B C D E F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F
8	G D A E B F C G	D A E B F C G D	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
9	F C G D A E B F	C G D A E B F C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A
10	E B F C G D A E	B F C G D A E B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
11	D A E B F C G D	A E B F C G D A	B C D E F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F
12	C G D A E B F C	G D A E B F C G	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A
13	B F C G D A E B	F C G D A E B F	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
14	A E B F C G D A	E B F C G D A E	B C D E F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F
15	G D A E B F C G	D A E B F C G D	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
16	F C G D A E B F	C G D A E B F C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A
17	E B F C G D A E	B F C G D A E B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
18	D A E B F C G D	A E B F C G D A	B C D E F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F
19	C G D A E B F C	G D A E B F C G	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A
20	B F C G D A E B	F C G D A E B F	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
21	A E B F C G D A	E B F C G D A E	B C D E F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F
22	G D A E B F C G	D A E B F C G D	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
23	F C G D A E B F	C G D A E B F C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A
24	E B F C G D A E	B F C G D A E B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
25	D A E B F C G D	A E B F C G D A	B C D E F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F
26	C G D A E B F C	G D A E B F C G	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A
27	B F C G D A E B	F C G D A E B F	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
28	A E B F C G D A	E B F C G D A E	B C D E F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F
29	G D A E B F C G	D A E B F C G D	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
30	F C G D A E B F	C G D A E B F C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A
31	E B F C G D A E	B F C G D A E B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
32	D A E B F C G D	A E B F C G D A	B C D E F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F
33	C G D A E B F C	G D A E B F C G	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A
34	B F C G D A E B	F C G D A E B F	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
35	A E B F C G D A	E B F C G D A E	B C D E F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F
36	G D A E B F C G	D A E B F C G D	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
37	F C G D A E B F	C G D A E B F C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A
38	E B F C G D A E	B F C G D A E B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G
39	D A E B F C G D	A E B F C G D A	B C D E F G A B	C D E F G A B C	D E F G A B C D	E F G A B C D E	F G A B C D E F
40	C G D A E B F C	G D A E B F C G	D E F G A B C D	E F G A B C D E	F G A B C D E F	G A B C D E F G	A B C D E F G A