

The Eagle 53
Guitarist
Jazz Chords

More Chords for
Eagle 53 Guitars

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Published by
Pan Music Publishing

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ISBN 978-1-8381219-4-5

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To Andrew

Introduction

This book is a companion to The Eagle 53 Guitarist Lush Chords. Lush chords are both strong and clearly rooted. Chords that are not lush, but have an overall strength value of 0.4 or higher, I call *Jazz chords*. There are 823 Jazz chords described in this book. I consider Jazz chords to be inferior to lush chords but they are definitely useful and very versatile in the right context.

For some mathematical background behind my Eagle 53 tuning, a chapter on how to compose in Eagle 53 and a list of 96 scales see the earlier Lush Chords book.

I had thought for a long time that any chord should be good if every possible pair of notes in the chord made a good harmony interval. It seems to me now that I was wrong. I have tested a lot of chords where all the possible pairs of notes sounded good (in harmony) but the whole chord overall sounded unacceptable. If the overall strength of a chord is less than 0.4 I won't use it, even if all the intervals in the chord are good. This has to do with periodicity (see the companion Lush Chords book).

223 six-note chords are listed first. Obviously all six strings are used. Next are 220 five-note chords, 98 of these are on the EADGB strings and the other 122 are on the ADGBE strings. Next are 374 four-note chords. 146 chords on the EADG strings. 99 chords on the ADGB strings and 129 chords on the DGBE strings. There are nine strongly rooted chords listed as well. Three of these are lush, I missed them when I compiled the chords for the Lush book.

I recently decided that 11/5, 11/6, 13/6, 13/7 and 15/7 are unacceptable in chords. They all have a strength value greater than 0.4 but in each interval there is some significant beating between the first overtone of the lower note and the fundamental of the higher note. So chords containing these intervals are, for me, illegal.

I published two books for pianists in August/September 2020 that list nearly 6,000 chords between them. A number of these chords contain a $15/7$ interval and need to be deleted. I hope to address this in the future.

Each chord in this book has a list of integers separated by colons above it. I call these IRCs (Integer Representation of a Chord). These give a rough idea of how the frequencies of the notes in a chord relate to each other. If the IRC contains a 7 and 15, or, 14 and 30, or, 21 and 45 the chord is illegal for me. I came across a few chords with an 8 and 17. $17/8$ is close to $15/7$ so I rule these chords out as well.

Sometimes two numbers occur occur in an IRC that do not correspond to any of the good just harmony intervals I describe in the Lush book. It turns out, if you look up the cent values of the relevant notes, that the two numbers are very close to a legal (or good) harmony interval. So $32/25$ is close to $9/7$. $20/7$ is close to $17/6$. $34/30$ is close to $8/7$. $28/25$ is close to $9/8$.

There may be a few errors in this book (and the Lush book). I evaluated and processed thousands of chords and It's likely I made a few mistakes here and there.

The chords are ordered in such a way that you can look them up like you look up words in a dictionary. The notes are ordered E1 to G#1, A2 to G#2, A3 to G#3 and so on.

Chapter One

Six-Note Chords

223 six-note chords...

6-1	15:20:30:36:45:60	0.433	E1,A2,E2,G2,B3,E3									
O												
O												
O												
N	O											
O												
O												
			-		-		-		-			-

6-2	15:20:30:36:48:60	0.431	E1,A2,E2,G2,C3,E3									
O												
N	O											
O												
N		O										
O												
O												
			-		-		-		-			-

6-3	15:20:30:40:48:60	0.425	E1,A2,E2,A3,C3,E3									
O												
N	O											
N		O										
N		O										
O												
O												
			-		-		-		-			-

6-4	15:20:36:36:45:60	0.422	E1,A2,G2,G2,B3,E3									
O												
O												
O												
N				O								
O												
O												
			-		-		-		-			-

6-5	15:20:36:36:60:60	0.411	E1,A2,G2,G2,E3,E3									
O												
N					O							
O					O							
N					O							
O												
O												
			-		-			-			-	

6-6	15:20:36:40:45:60	0.417	E1,A2,G2,A3,B3,E3
O			
O			
N	O		
N		O	
O			
O			

6-7	15:20:36:45:45:60	0.411	E1,A2,G2,B3,B3,E3									
O												
O												
N				O								
N					O							
O												
O												
			-		-			-			-	

6-8	15:20:36:45:60:60	0.4	E1,A2,G2,B3,E3,E3									
O												
N					O							
N				O								
N					O							
O												
O												
			-		-			-			-	

6-9	15:20:40:36:45:60	0.417	E1,A2,A3,G2,B3,E3									
O												
O												
O												
N						O						
O												
O												
			-		-			-			-	

6-10	15:20:40:36:60:60	0.406	E1,A2,A3,G2,E3,E3								
O											
N					O						
O											
N						O					
O											
O											
			-		-		-		-		-

6-11	15:20:45:36:45:60	0.411	E1,A2,B3,G2,B3,E3								
O											
O											
O											
N							O				
O											
O											
			-		-		-		-		-

6-12	10:15:20:24:30:40	0.6333	E1,B2,E2,G2,B3,E3								
O											
O											
O											
N	O										
N	O										
O											
			-		-		-		-		-

6-13	10:15:20:24:30:48	0.625	E1,B2,E2,G2,B3,G3								
N		O									
O											
O											
N	O										
N	O										
O											
			-		-		-		-		-

6-14	10:15:20:24:36:40	0.62	E1,B2,E2,G2,D3,E3								
O											
N		O									
O											
N	O										
N	O										
O											
			-		-		-		-		-

6-15	10:15:20:24:36:48	0.614	E1,B2,E2,G2,D3,G3								
N		O									
N		O									
O											
N	O										
N	O										
O											
		-		-		-		-		-	

6-16	10:15:20:30:30:48	0.608	E1,B2,E2,B3,B3,G3								
N		O									
O											
N			O								
N	O										
N	O										
O											
		-		-		-		-		-	

6-17	10:15:20:30:36:40	0.606	E1,B2,E2,B3,D3,E3								
O											
N			O	O							
N				O							
N		O									
N		O									
O											
		-		-		-		-		-	

6-18	10:15:20:30:36:45	0.6	E1,B2,E2,B3,D3,F#3								
N	O										
N		O									
N			O								
N	O										
N	O										
X											
		-		-		-		-		-	

6-19	10:15:24:24:30:40	0.617	E1,B2,G2,G2,B3,E3								
O											
O											
O											
N				O							
N		O									
O											
		-		-		-		-		-	

6-20	10:15:24:24:36:40	0.606	E1,B2,G2,G2,D3,E3								
O											
N		O									
O											
N				O							
N	O										
O											
			-	-	-		-				-

6-21	10:15:24:24:40:40	0.6	E1,B2,G2,G2,E3,E3								
O											
N				O							
O											
N				O							
N	O										
O											
			-	-	-		-				-

6-22	10:15:24:30:30:40	0.6	E1,B2,G2,B3,B3,E3								
O											
O											
N			O								
N				O							
N	O										
O											
			-	-		-					-

6-23	10:15:24:30:36:40	0.589	E1,B2,G2,B3,D3,E3
O			
N		O	
N			O
N			
N	O		O
O			

6-24	10:15:24:30:40:40	0.583	E1,B2,G2,B3,E3,E3								
O											
N				O							
N			O								
N				O							
N		O									
O											
			-	-	-		-				-

6-25	15:24:30:40:48:60	0.408	E1,C2,E2,A3,C3,E3
O			
N	O		
N		O	
N		O	
N			O
O			
	-	-	-

6-26	3:5:6:9:9:12	2.0111	E1,C#2,E2,B3,B3,E3
O			
O			
N			O
N	O		
N			O
O			
	-	-	-

6-27	3:5:6:9:9:15	1.978	E1,C#2,E2,B3,B3,G#3
N			O
O			
N			O
N	O		
N			O
O			
	-	-	-

6-28	6:10:15:18:18:24	0.972	E1,C#2,G#2,B3,B3,E3
O			
O			
N			O
N			
N		O	
O			
	-	-	-

6-29	6:10:15:18:24:24	0.944	E1,C#2,G#2,B3,E3,E3
O			
N			O
N			O
N			
N		O	
O			
	-	-	-

6-30	6:10:15:18:24:30	0.927	E1,C#2,G#2,B3,E3,G#3
N			
N			
N			
N			
N			
O			
	-	-	-

6-31	6:10:15:18:24:36	0.916	E1,C#2,G#2,B3,E3,B4
N			
N			
N			
N			
N			
O			
	-	-	-

6-32	6:10:15:20:18:24	0.961	E1,C#2,G#2,C#3,B3,E3
O			
O			
N			
N			
N			
O			
	-	-	-

6-33	6:10:15:20:18:30	0.944	E1,C#2,G#2,C#3,B3,G#3
N			
O			
N			
N			
N			
O			
	-	-	-

6-34	6:10:15:20:18:36	0.933	E1,C#2,G#2,C#3,B3,B4
N			
O			
N			
N			
N			
O			
	-	-	-

6-35	6:10:15:20:24:24	0.933	E1,C#2,G#2,C#3,E3,E3
O			
N		O	
N		O	
N		O	
N	O		
O			
	-	-	-

6-36	6:10:15:20:24:30	0.916	E1,C#2,G#2,C#3,E3,G#3
N			
N		O	
N		O	
N		O	
N		O	
O	O		
	-	-	-

6-37	5:9:10:12:15:24	1.206	E1,D2,E2,G2,B3,G3
N		O	
O			
O			
N	O		
N		O	
O			
	-	-	-

6-38	5:9:10:15:15:24	1.172	E1,D2,E2,B3,B3,G3
N		O	
O			
N		O	
N	O		
N		O	
O			
	-	-	-

6-39	5:10:9:12:15:30	1.189	E1,E2,D2,G2,B3,B4
N		O	
O			
O			
O			
N		O	
O			
	-	-	-

[illegible]

6-41	5:10:9:12:24:30	1.139	E1,E2,D2,G2,G3,B4
N		O	
N		O	
O			
O			
N		O	
O			

	6-42	5:10:9:12:24:36	1.128	E1,E2,D2,G2,G3,D4
N				
N				O
O				
O				
N			O	
O				

6-43	5:10:9:15:15:30	1.156	E1,E2,D2,B3,B3,B4
N			O
O			O
N			O
O			O
N			O
O			O

6-44	5:10:9:18:15:30	1.133	E1,E2,D2,D3,B3,B4
N			
O			
N			
O			
N			
O			

[illegible]

6-46	5:10:9:18:24:30	1.083	E1,E2,D2,D3,G3,B4
N		O	
N		O	
N		O	
O			
N		O	
O			

6-47	5:10:9:18:24:36	1.072	E1,E2,D2,D3,G3,D4
N			O
N		O	
N			
O			
N		O	
O			

6-48	5:10:12:12:15:20	1.167	E1,E2,G2,G2,B3,E3
O			
O			
O			
N	O		
N		O	
O			

6-49	5:10:12:12:15:30	1.133	E1,E2,G2,G2,B3,B4
N		O	
O			
O			
N	O		
N		O	
O			

6-50	5:10:12:12:20:20	1.133	E1,E2,G2,G2,E3,E3									
O												
N					O							
O												
N					O							
N						O						
O												
			-		-		-		-			-

6-51	5:10:12:15:15:20	1.133	E1,E2,G2,B3,B3,E3									
O												
O												
N				O								
N					O							
N						O						
O												
			-		-		-		-			-

6-52	5:10:12:15:15:30	1.1	E1,E2,G2,B3,B3,B4									
N						O						
O												
N				O								
N					O							
N						O						
O												
			-		-		-		-			-

6-53	5:10:12:18:15:20	1.111	E1,E2,G2,D3,B3,E3
O			
O			
N		O	
N		O	
N		O	
O			

6-54	5:10:12:18:15:30	1.078	E1,E2,G2,D3,B3,B4									
N						O						
O												
N						O						
N					O							
N						O						
O												
			-		-		-		-			-

6-55	5:10:12:18:20:20	1.078	E1,E2,G2,D3,E3,E3
O			
N		O	
N		O	
N		O	
O			
	-	-	-

6-56	10:20:25:32:40:40	0.543	E1,E2,G#2,C3,E3,E3
O			
N		O	
N		O	
N		O	
N		O	
O			
	-	-	-

6-57	6:12:15:20:18:24	0.928	E1,E2,G#2,C#3,B3,E3
O			
O			
N		O	
N		O	
N		O	
O			
	-	-	-

6-58	6:12:15:20:18:30	0.911	E1,E2,G#2,C#3,B3,G#3
N	O		
O			
N		O	
N		O	
N		O	
O			
	-	-	-

6-59	6:12:15:20:18:36	0.9	E1,E2,G#2,C#3,B3,B4
N		O	
O			
N		O	
N		O	
N		O	
O			
	-	-	-

6-60	6:12:15:20:24:24	0.9	E1,E2,G#2,C#3,E3,E3						
O									
N				O					
N					O				
N						O			
N							O		
O									

6-61	6:12:15:20:30:24	0.883	E1,E2,G#2,C#3,G#3,E3
O			
N			O
N		O	
N		O	
N			O
O			

6-62	6:12:15:20:30:40	0.85	E1,E2,G#2,C#3,G#3,C#4
N			O
N			O
N		O	
N		O	
N			O
O			

6-63	6:12:15:24:30:40	0.833	E1,E2,G#2,E3,G#3,C#4
N			O
N			O
N			O
N		O	
N		O	
O			

6-64	5:10:14:12:20:20	1.11	E1,E2,A#3,G2,E3,E3
O			
N		O	
O			
N			O
N		O	
O			

6-65	5:10:14:18:20:20	1.054	E1,E2,A#3,D3,E3,E3
O			
N			
N			
N			
N			
O			
	-	-	-

6-66	5:10:15:12:15:20	1.133	E1,E2,B3,G2,B3,E3
O			
O			
O			
N			
N			
O			
	-	-	-

6-67	5:10:15:12:15:30	1.1	E1,E2,B3,G2,B3,B4
N			
O			
O			
N			
N			
O			
	-	-	-

6-68	5:10:15:12:15:36	1.089	E1,E2,B3,G2,B3,D4
N			
O			
O			
N			
N			
O			
	-	-	-

6-69	5:10:15:12:24:20	1.083	E1,E2,B3,G2,G3,E3
O			
N			
O			
N			
N			
O			
	-	-	-

6-70	5:10:15:12:24:30	1.05	E1,E2,B3,G2,G3,B4						
N			O						
N						O			
O									
N							O		
N						O			
O									
			-		-		-		-

6-71	5:10:15:12:24:36	1.039	E1,E2,B3,G2,G3,D4						
N							O		
N						O			
O									
N							O		
N						O			
O									
			-		-		-		-

6-72	3:6:9:10:9:12	1.811	E1,E2,B3,C#3,B3,E3						
O									
O									
N					O				
N							O		
N						O			
O									
			-		-		-		-

6-73	3:6:9:10:15:12	1.723	E1,E2,B3,C#3,G#3,E3
O			
N			O
N		O	
N			O
N		O	
O			

6-74	5:10:15:18:15:20	1.078	E1,E2,B3,D3,B3,E3						
O									
O									
N						O			
N							O		
N						O			
O									
			-		-		-		-

6-75	5:10:15:18:15:30	1.044	E1,E2,B3,D3,B3,B4
N		O	
O			
N		O	
N			O
N		O	
O			

6-76	5:10:15:18:15:36	1.033	E1,E2,B3,D3,B3,D4
N			O
O		O	
N			O
N		O	
O			

6-77	5:10:15:18:24:20	1.028	E1,E2,B3,D3,G3,E3
O			
N		O	
N			O
N		O	
O			

6-78	5:10:15:18:24:30	0.994	E1,E2,B3,D3,G3,B4
N		O	
N		O	
N		O	
N			O
N		O	
O			

6-79	5:10:15:18:24:36	0.983	E1,E2,B3,D3,G3,D4
N			O
N		O	
N			O
N		O	
O			

6-80	5:10:15:20:15:36	1.022	E1,E2,B3,E3,B3,D4
N			O
O			
N			O
N			O
N		O	
O			

6-81	5:10:15:20:24:20	1.017	E1,E2,B3,E3,G3,E3
O			O
N			O
N			O
N		O	
O			

6-82	5:10:15:20:24:30	0.583	E1,E2,B3,E3,G3,B4
N		O	
N		O	
N			O
N			O
N		O	
O			

6-83	5:10:15:20:24:36	0.972	E1,E2,B3,E3,G3,D4
N			O
N			O
N			O
N		O	
N			
O			

6-84	5:12:15:12:15:20	1.1	E1,G2,B3,G2,B3,E3
O			
O			
O			
N			O
N			O
O			

6-85		5:12:15:12:15:40		1.05		E1,G2,B3,G2,B3,E4		O
N								
O								
O								
N								
N								
O								

6-86	5:12:15:12:24:20	1.05	E1,G2,B3,G2,G3,E3
O			
N			O
O			
N			O
N			
O			O

[illegible][illegible]

6-89	5:12:15:18:15:20	1.044	E1,G2,B3,D3,B3,E3
O			
O			
N		O	
N			O
N			O
O			

6-90	5:12:15:18:24:20	0.994	E1,G2,B3,D3,G3,E3								
O											
N							O				
N							O				
N								O			
N									O		
O											
			-		-		-		-		-

6-91	5:12:15:20:15:20	1.033	E1,G2,B3,E3,B3,E3								
O											
O											
N								O			
N								O			
N									O		
O											
			-		-		-		-		-

6-92	5:12:15:20:15:30	1.0	E1,G2,B3,E3,B3,B4								
N							O				
O											
N								O			
N								O			
N									O		
O											
			-		-		-		-		-

6-93	5:12:15:20:15:36	0.989	E1,G2,B3,E3,B3,D4								
N								O			
O											
N								O			
N								O			
N									O		
O											
			-		-		-		-		-

6-94	5:12:15:20:15:40	0.983	E1,G2,B3,E3,B3,E4						
N								O	
O									
N							O		
N							O		
N								O	
O									
			-		-		-		-

6-95	5:12:15:20:24:20	0.983	E1,G2,B3,E3,G3,E3
O			
N			O
N			O
N			O
N			
O			

6-96	5:12:15:20:24:30	0.95	E1,G2,B3,E3,G3,B4
N		O	
N		O	
N			O
N			O
N			O
O			

6-97	5:12:15:20:30:40	0.917	E1,G2,B3,E3,B4,E4
N			
N			
N			O
N			O
N			
O			O

6-98	5:12:15:24:15:20	1.017	E1,G2,B3,G3,B3,E3
O			
O			
N			
N			
N			
O			

6-99	5:12:15:24:15:40	0.967	E1,G2,B3,G3,B3,E4	
N				C
O				
N				C
N			O	
N				
O			O	

6-100	5:12:15:24:30:20	0.95	E1,G2,B3,G3,B4,E3	
O				
N				O
N				O
N			O	
N			O	
O				

[illegible]

6-102	5:12:18:12:15:20	1.078	E1,G2,D3,G2,B3,E3		
O					
O					
O					
N					O
N				O	
O					

6-103	5:12:18:20:15:20	1.011	E1,G2,D3,E3,B3,E3
O			
O			
N			O
N			
N			O
O			

6-104	5:12:18:24:15:20	0.994	E1,G2,D3,G3,B3,E3
O			
O			
N			
N			0
N			0
O			0
	-	-	-

6-105	6:15:20:24:18:24	0.844	E1,G#2,C#3,E3,B3,E3
O			
O			
N			
N			
N			
O			
		-	-

6-106	5:7:10:14:14:20	1.271	F1,B2,F2,B3,B3,F3
N	O		
O			
N			
N		O	
N	O		
N	O		
		-	-

6-107	15:20:24:40:40:60	0.45	F#1,B2,D2,B3,B3,F#3
N	O		
O			
N			
O		O	
N	O		
N	O		
		-	-

6-108	15:20:24:40:48:60	0.442	F#1,B2,D2,B3,D3,F#3
N	O		
N		O	
N			
O		O	
N	O		
N	O		
		-	-

6-109	15:20:30:40:48:60	0.425	F#1,B2,F#2,B3,D3,F#3
N	O		
N		O	
N			
N		O	
N	O		
N	O		
		-	-

6-110	18:20:30:36:45:60	0.411	G1,A2,E2,G2,B3,E3
O			
O			
O			
N		O	
O			
N			O
		-	-
		-	-
		-	-
		-	-
		-	-

6-111	18:20:30:36:45:72	0.406	G1,A2,E2,G2,B3,G3
N			O
O			O
O			
N		O	
O			
N			O
		-	-
		-	-
		-	-
		-	-
		-	-

6-112	9:10:15:18:24:30	0.817	G1,A2,E2,G2,C3,E3
O			
N	O		
O			
N		O	
O			
N			O
		-	-
		-	-
		-	-
		-	-
		-	-

6-113	9:10:15:18:24:36	0.806	G1,A2,E2,G2,C3,G3
N			O
N	O		
O			
N		O	
O			
N			O
		-	-
		-	-
		-	-
		-	-
		-	-

6-114	9:10:15:18:30:30	0.8	G1,A2,E2,G2,E3,E3
O			
N			O
O			
N		O	
O			
N			O
		-	-
		-	-
		-	-
		-	-
		-	-

6-115	18:20:30:45:45:60	0.4	G1,A2,E2,B3,B3,E3
O			
O			
N			O
N		O	
O			
N		O	
	-	-	-

6-116	9:10:15:24:30:30	0.772	G1,A2,E2,C3,E3,E3
O			
N			O
N			O
N		O	
O			
N		O	
	-	-	-

6-117	18:20:36:36:45:60	0.4	G1,A2,G2,G2,B3,E3
O			
O			
O			
N			O
O			
N		O	
	-	-	-

6-118	9:10:18:18:30:30	0.778	G1,A2,G2,G2,E3,E3
O			
N			O
O			
N			O
O			
N		O	
	-	-	-

6-119	9:10:18:18:30:36	0.767	G1,A2,G2,G2,E3,G3
N		O	
N			O
O			
N			O
O			
N		O	
	-	-	-

6-120	9:10:18:24:30:30	0.75	G1,A2,G2,C3,E3,E3								
O											
N					O						
N					O						
N					O						
O											
N		O									
		-		-		-		-		-	

6-121	9:10:18:24:30:36	0.739	G1,A2,G2,C3,E3,G3								
N		O									
N				O							
N				O							
N				O							
O											
N		O									
		-		-		-		-		-	

6-122	12:15:20:24:30:40	0.6	G1,B2,E2,G2,B3,E3								
O											
O											
O											
N		O									
N		O									
N			O								
		-		-		-		-		-	

6-123	12:15:20:24:30:48	0.592	G1,B2,E2,G2,B3,G3								
N		O									
O											
O											
N		O									
N		O									
N			O								
		-		-		-		-		-	

6-124	12:15:20:24:36:40	0.589	G1,B2,E2,G2,D3,E3								
O											
N		O									
O											
N	O										
N	O										
N		O									
		-		-		-		-		-	

6-125	12:15:20:24:36:48	0.581	G1,B2,E2,G2,D3,G3
N	O		
N	O		
O			
N	O		
N	O		
N	O		

	6-126	12:15:20:30:30:40	0.583	G1,B2,E2,B3,B3,E3
O				
O				
N				
N				
N				
N				

6-127	12:15:20:30:36:40	0.572	G1,B2,E2,B3,D3,E3
O			
N	O		
N		O	
N	O		
N	O		
N	O		

6-128	12:15:20:30:36:45	0.567	G1,B2,E2,B3,D3,F#3
N	O		
N		O	
N			O
N	O		
N	O		
N		O	

6-129	12:15:20:30:36:48	0.564	G1,B2,E2,B3,D3,G3
N		O	
N		O	
N			O
N	O		
N	O		
N		O	

6-130	12:15:20:30:40:40	0.567	G1,B2,E2,B3,E3,E3									
O												
N				O								
N			O									
N	O											
N	O											
N		O										
		-		-		-		-		-		-

6-131	12:15:20:30:40:45	0.561	G1,B2,E2,B3,E3,F#3									
N	O											
N				O								
N			O									
N	O											
N	O											
N		O										
		-		-		-		-		-		-

6-132	12:15:24:24:30:40	0.583	G1,B2,G2,G2,B3,E3									
O												
O												
O												
N				O								
N	O											
N		O										
		-		-		-		-		-		-

6-133	12:15:24:24:40:40	0.567	G1,B2,G2,G2,E3,E3									
O												
N				O								
O												
N				O								
N	O											
N		O										
		-		-		-		-		-		-

6-134	12:15:24:30:30:40	0.567	G1,B2,G2,B3,B3,E3									
O												
O												
N			O									
N				O								
N	O											
N		O										
		-		-		-		-		-		-

6-135	15:20:30:36:45:60	0.43	G#1,C#2,G#2,B3,D#3,G#3
N			
N			
N			
N			
N			
N			
	-	-	-

6-136	15:20:30:36:48:48	0.439	G#1,C#2,G#2,B3,E3,E3
O			
N			
N			
N			
N			
N			
	-	-	-

6-137	15:20:30:36:48:60	0.431	G#1,C#2,G#2,B3,E3,G#3
N			
N			
N			
N			
N			
N			
	-	-	-

6-138	15:20:30:40:36:48	0.447	G#1,C#2,G#2,C#3,B3,E3
O			
O			
N			
N			
N			
N			
	-	-	-

6-139	15:20:30:40:36:60	0.44	G#1,C#2,G#2,C#3,B3,G#3
N			
O			
N			
N			
N			
N			
	-	-	-

6-140 15:20:30:40:48:48 0.433 G#1,C#2,G#2,C#3,E3,E3
 O | | | | | | | | | | | | | |
 N | | | | | O | | | | | | | | | |
 N | | | | | | O | | | | | | | | | |
 N | | | | | | O | | | | | | | | | |
 N | | | O | | | | | | | | | | | |
 N | | | O | | | | | | | | | | | |
 - - - - -

6-141 15:20:30:40:48:60 0.43 G#1,C#2,G#2,C#3,E3,G#3
 N | | | | O | | | | | | | | | |
 N | | | | | O | | | | | | | | | |
 N | | | | | | O | | | | | | | | | |
 N | | | | | | O | | | | | | | | | |
 N | | | O | | | | | | | | | | | |
 N | | | O | | | | | | | | | | | |
 - - - - -

6-142 10:15:20:24:30:40 0.63 G#1,D#2,G#2,B3,D#3,G#3
 N | | | | O | | | | | | | | | |
 N | | | | O | | | | | | | | | |
 N | | | | O | | | | | | | | | |
 N | | | | | | O | | | | | | | | | |
 N | | | | | | O | | | | | | | | | |
 N | | | O | | | | | | | | | | | |
 - - - - -

6-143 10:15:20:24:36:40 0.62 G#1,D#2,G#2,B3,F#3,G#3
 N | | | | O | | | | | | | | | |
 N | | | | | | | O | | | | | | | | | |
 N | | | | O | | | | | | | | | |
 N | | | | | | O | | | | | | | | | |
 N | | | | | | O | | | | | | | | | |
 N | | | O | | | | | | | | | | | |
 - - - - -

6-144 15:24:30:40:36:48 0.431 G#1,E2,G#2,C#3,B3,E3
 O | | | | | | | | | | | | | |
 O | | | | | | | | | | | | | |
 N | | | | | | O | | | | | | | | | |
 N | | | | | | O | | | | | | | | | |
 N | | | | | | | O | | | | | | | | | |
 N | | | O | | | | | | | | | | | |
 - - - - -

6-145	15:24:30:40:48:48	0.417	G#1,E2,G#2,C#3,E3,E3
O			
N		O	
N		O	
N		O	
N		O	
N	O		
	-	-	-

6-146	20:20:30:36:45:60	0.4	A2,A2,E2,G2,B3,E3
O			
O			
O			
N	O		
O			
N		O	
	-	-	-

6-147	5:5:9:9:15:15	1.511	A2,A2,G2,G2,E3,E3
O			
N		O	
O			
N		O	
O			
N		O	
	-	-	-

6-148	5:5:9:9:15:18	1.489	A2,A2,G2,G2,E3,G3
N	O		
N		O	
O			
N		O	
O			
N		O	
	-	-	-

6-149	5:5:9:12:15:15	1.456	A2,A2,G2,C3,E3,E3
O			
N		O	
N		O	
N		O	
O			
N		O	
	-	-	-

6-150	5:5:9:12:15:18	1.433	A2,A2,G2,C3,E3,G3
N	O		
N		O	
N		O	
N		O	
O			
N		O	
	-	-	-

6-151	5:5:10:9:15:15	1.489	A2,A2,A3,G2,E3,E3								
O											
N					O						
O											
N						O					
O											
N					O						
		-		-		-		-			-

6-152	5:5:10:9:18:15	1.467	A2,A2,A3,G2,G3,E3
O			
N			O
O			
N		O	
O			
N			

6-153	5:5:10:12:15:15	1.433	A2,A2,A3,C3,E3,E3								
O											
N					O						
N					O						
N						O					
O											
N					O						
		-		-		-		-			-

6-154	5:5:10:12:15:20	1.4	A2,A2,A3,C3,E3,A4								
N					O						
N					O						
N					O						
N						O					
O											
N					O						
		-		-		-		-			-

6-155	5:5:10:12:18:15	1.411	A2,A2,A3,C3,G3,E3
O			
N			O
N		O	
N		O	
O			
N	O		
	-	-	-

6-156	10:10:20:25:28:40	0.701	A2,A2,A3,C#3,D#3,A4
N		O	
N	O		
N		O	
N		O	
O			
N	O		
	-	-	-

6-157	10:10:20:25:32:40	0.693	A2,A2,A3,C#3,F3,A4
N		O	
N		O	
N		O	
N		O	
O			
N	O		
	-	-	-

6-158	5:5:10:14:18:20	1.354	A2,A2,A3,D#3,G3,A4
N		O	
N			O
N			O
N		O	
O			
N	O		
	-	-	-

6-159	10:12:15:18:30:30	0.744	A2,C2,E2,G2,E3,E3
O			
N		O	
O			
N	O		
N		O	
N		O	
	-	-	-

6-160	5:6:9:9:15:15	1.444	A2,C2,G2,G2,E3,E3								
O											
N					O						
O											
N					O						
N		O									
N				O							
		-		-		-		-			-

6-161	10:15:18:18:30:30	0.689	A2,E2,G2,G2,E3,E3							
O										
N				O						
O										
N				O						
N					O					
N				O						
		-		-		-		-		-

6-162	10:15:20:18:30:30	0.678	A2,E2,A3,G2,E3,E3								
O											
N				O							
O											
N					O						
N					O						
N				O							
		-		-		-		-			-

6-163	10:15:20:18:36:30	0.667	A2,E2,A3,G2,G3,E3
O			
N			O
O			
N		O	
N		O	
N	O		

6-164	10:15:20:24:30:30	0.65	A2,E2,A3,C3,E3,E3
O			
N		O	
N		O	
N			O
N			O
N		O	

6-165	10:15:20:24:30:40	0.633	A2,E2,A3,C3,E3,A4							
N				O						
N				O						
N				O						
N					O					
N					O					
N				O						
	-	-	-	-	-	-	-	-	-	-

6-166	10:15:20:24:36:40	0.622	A2,E2,A3,C3,G3,A4							
N				O						
N						O				
N				O						
N						O				
N						O				
N				O						

6-167	15:20:30:40:48:60	0.43	A#2,D#2,A#3,D#3,F#3,A#4								
N						O					
N							O				
N								O			
N								O			
N					O						
N					O						
	-	-	-	-	-	-	-	-	-	-	-

6-168	18:20:30:36:45:60	0.411	B2,C#2,G#2,B3,D#3,G#3							
N			O							
N			O							
N			O							
N				O						
N			O							
N						O				
	-	-	-	-	-	-	-	-	-	-

6-169	5:6:6:10:10:20	1.567	B2,D2,D2,B3,B3,B4
N			O
O			
N		O	
O			
N		O	
N			O
	-	-	-

6-170	5:6:6:12:10:20	1.533	B2,D2,D2,D3,B3,B4
N		O	
O		O	
N		O	
O			
N	O		
N		O	

6-171	5:6:6:12:15:20	1.467	B2,D2,D2,D3,F#3,B4						
N			O						
N			O						
N			O						
O									
N				O					
N					O				
		-		-		-		-	

6-172	10:12:15:24:30:40	0.7	B2,D2,F#2,D3,F#3,B4						
N		O							
N		O							
N		O							
N			O						
N				O					
N					O				

6-173	12:15:20:24:30:40	0.6	B2,D#2,G#2,B3,D#3,G#3						
N			O						
N			O						
N			O						
N					O				
N					O				
N						O			
		-		-		-		-	

6-174	12:15:20:30:36:45	0.57	B2,D#2,G#2,D#3,F#3,A#4								
N						O					
N							O				
N								O			
N						O					
N						O					
N							O				

6-175	12:15:20:30:40:45	0.56	B2,D#2,G#2,D#3,G#3,A#4
N			
N			
N			
N			
N			
N			
	-	-	-

6-176	15:20:18:24:30:60	0.528	B2,E2,D2,G2,B3,B4
N			
O			
O			
O			
N			
N			
	-	-	-

6-177	15:20:18:24:48:60	0.503	B2,E2,D2,G2,G3,B4
N			
N			
O			
O			
N			
N			
	-	-	-

6-178	15:20:18:36:30:60	0.5	B2,E2,D2,D3,B3,B4
N			
O			
N			
O			
N			
N			
	-	-	-

6-179	15:20:18:36:45:60	0.478	B2,E2,D2,D3,F#3,B4
N			
N			
N			
O			
N			
N			
	-	-	-

6-180	15:20:18:36:48:60	0.475	B2,E2,D2,D3,G3,B4
N			
N			
N			
O			
N			
N			
	-	-	-

6-181	15:20:24:24:30:40	0.517	B2,E2,G2,G2,B3,E3
O			
O			
O			
N			
N			
N			
	-	-	-

6-182	15:20:24:24:30:60	0.5	B2,E2,G2,G2,B3,B4
N			
O			
O			
N			
N			
N			
	-	-	-

6-183	15:20:24:24:40:40	0.5	B2,E2,G2,G2,E3,E3
O			
N			
O			
N			
N			
N			
	-	-	-

6-184	15:20:24:24:48:40	0.492	B2,E2,G2,G2,G3,E3
O			
N			
O			
N			
N			
N			
	-	-	-

6-185	15:20:24:30:30:40	0.5	B2,E2,G2,B3,B3,E3
O			
O			
N	O		
N	O		
N		O	
N		O	
	-	-	-

6-186	15:20:24:36:30:40	0.489	B2,E2,G2,D3,B3,E3
O			
O			
N		O	
N	O		
N		O	
N		O	
	-	-	-

6-187	15:20:30:24:30:40	0.5	B2,E2,B3,G2,B3,E3
O			
O			
O			
N			O
N		O	
N		O	
	-	-	-

6-188	15:20:30:24:30:60	0.483	B2,E2,B3,G2,B3,B4
N		O	
O			
O			
N			O
N		O	
N		O	
	-	-	-

6-189	15:20:30:24:48:40	0.475	B2,E2,B3,G2,G3,E3
O			
N		O	
O			
N			O
N		O	
N		O	
	-	-	-

6-190	15:20:30:24:48:60	0.458	B2,E2,B3,G2,G3,B4
N		O	
N		O	
O			
N			O
N		O	
N		O	

6-191	15:20:30:36:30:40	0.472	B2,E2,B3,D3,B3,E3
O			
O			
N		O	
N			O
N		O	
N		O	

6-192	15:20:30:36:45:60	0.433	B2,E2,B3,D3,F#3,B4
N		O	
N		O	
N		O	
N			O
N		O	
N		O	

6-193		15:20:30:36:48:60		0.431	B2,E2,B3,D3,G3,B4
N				O	
N				O	
N				O	
N					O
N				O	
N				O	

6-194	15:20:30:40:48:40	0.442	B2,E2,B3,E3,G3,E3
O			
N		O	
N			O
N			O
N		O	
N		O	

6-195	15:20:30:40:48:60	0.425	B2,E2,B3,E3,G3,B4
N			
N			
N			
N			
N			
N			
	-	-	-

6-196	14:20:28:35:28:56	0.479	B2,F2,B3,D#3,B3,B4
N			
O			
N			
N			
N			
N			
	-	-	-

6-197	10:15:12:24:30:40	0.7	B2,F#2,D2,D3,F#3,B4
N			
N			
N			
O			
N			
N			
	-	-	-

6-198	10:15:20:24:20:40	0.667	B2,F#2,B3,D3,B3,B4
N			
O			
N			
N			
N			
N			
	-	-	-

6-199	10:15:20:24:30:40	0.633	B2,F#2,B3,D3,F#3,B4
N			
N			
N			
N			
N			
N			
	-	-	-

6-200	15:24:30:24:30:40	0.483	B2,G2,B3,G2,B3,E3
O			
O			
O			
N			O
N			O
N		O	
	-	-	-

6-201	15:24:30:24:48:40	0.458	B2,G2,B3,G2,G3,E3
O			
N		O	
O			
N		O	
N			O
N		O	
	-	-	-

6-202	15:24:30:40:30:40	0.45	B2,G2,B3,E3,B3,E3
O			
O			
N		O	
N		O	
N			O
N		O	
	-	-	-

6-203	15:24:30:40:30:60	0.433	B2,G2,B3,E3,B3,B4
N		O	
O			
N		O	
N		O	
N			O
N		O	
	-	-	-

6-204	15:24:30:40:48:40	0.425	B2,G2,B3,E3,G3,E3
O			
N		O	
N		O	
N		O	
N			O
N		O	
	-	-	-

	6-205	6:5:10:9:15:15	1.422	C2,A2,A3,G2,E3,E3
O				
N				
O				
N				
O				
N				

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6-207	6:5:10:12:15:20	1.333	C2,A2,A3,C3,E3,A4
N			
N			
N			
N			
O			
N			

6-208	6:5:10:12:18:15	1.344	C2,A2,A3,C3,G3,E3
O			O
N			O
N			O
N			O
O			O
N			O

6-209	6:5:10:15:18:15	1.311	C2,A2,A3,E3,G3,E3
O			
N			O
N			O
N		O	
O			
N			O

6-210	6:5:10:15:20:15	1.3	C2,A2,A3,E3,A4,E3								
O											
N									O		
N								O			
N						O					
O							O				
N											

6-211	6:5:12:9:18:15	1.367	C2,A2,C3,G2,G3,E3								
O											
N							O				
O											
N									O		
O											
N							O				
			-	-		-		-			-

6-212	6:5:12:15:18:15	1.278	C2,A2,C3,E3,G3,E3								
O											
N								O			
N									O		
N										O	
O											
N								O			
			-	-		-		-			-

6-213	6:5:12:15:20:15	1.267	C2,A2,C3,E3,A4,E3								
O											
N									O		
N								O			
N									O		
O											
N							O				
			-	-		-		-			-

6-214	12:15:20:18:30:30	0.644	C2,E2,A3,G2,E3,E3								
O											
N				O							
O											
N					O						
N					O						
N						O					
			-	-		-		-			-

6-215	12:15:20:18:36:30	0.633	C2,E2,A3,G2,G3,E3
O			
N			O
O			
N			O
N			O
N			O
	-	-	-

6-216	12:15:20:24:30:40	0.6	C2,E2,A3,C3,E3,A4
N			O
N			O
N			O
N			O
N			O
N			O
	-	-	-

6-217	12:15:20:30:36:30	0.589	C2,E2,A3,E3,G3,E3
O			
N			O
N			O
N			O
N			O
N			O
	-	-	-

6-218	12:15:20:30:36:45	0.567	C2,E2,A3,E3,G3,B4
N			O
N			O
N			O
N			O
N			O
N			O
	-	-	-

6-219	12:15:20:30:36:48	0.564	C2,E2,A3,E3,G3,C4
N			O
N			O
N			O
N			O
N			O
N			O
	-	-	-

6-220	12:15:20:30:40:30	0.583	C2,E2,A3,E3,A4,E3
O			
N			O
N			O
N		O	
N		O	
N			O

6-221	12:15:20:30:40:45	0.561	C2,E2,A3,E3,A4,B4
N		O	
N		O	O
N			O
N		O	
N		O	
N		O	

6-222	12:15:20:30:40:48	0.558	C2,E2,A3,E3,A4,C4
N			O
N			O
N			O
N		O	
N		O	
N		O	

6-223	10:15:20:24:30:40	0.63	C#2,G#2,C#3,E3,G#3,C#4			
N			O			
N			O			
N			O			
N					O	
N					O	
N			O			
	-	-	-	-	-	-

Chapter Two

Five-Note-Chords

5-1 to 5-98 are five-note chords on the EADGB strings. 5-99 to 5-220 are five-note chords on the ADGBE strings.

5-1	10:15:18:24:30	0.594	E1,B2,D2,G2,B3
X			
O			
O			
O			
N	O		
O			

	5-2	10:15:18:24:36	0.583	E1,B2,D2,G2,D3
X				
N		O		
O				
O				
N	O			
O				

5-3	10:15:18:30:30	0.578	E1,B2,D2,B3,B3
X			
O			
N		O	
O			
N	O		
O			

5-4	10:15:18:30:36	0.567	E1,B2,D2,B3,D3
X			
N		O	
N			O
O			
N	O		
O			

5-5	3:5:6:9:10	1.822	E1,C#2,E2,B3,C#3								
X											
N	O										
N			O								
N	O										
N			O								
O											
		-		-		-		-			-

5-6	12:20:30:36:45	0.433	E1,C#2,G#2,B3,D#3								
X											
N			O								
N			O								
N					O						
N			O								
O											
		-		-		-		-			-

5-7	12:20:30:40:45	0.428	E1,C#2,G#2,C#3,D#3								
X											
N			O								
N					O						
N					O						
N			O								
O											
		-		-		-		-			-

5-8	12:20:32:36:45	0.429	E1,C#2,A3,B3,D#3								
X											
N			O								
N			O								
N						O					
N			O								
O											
		-		-		-		-			-

5-9	12:20:32:40:45	0.424	E1,C#2,A3,C#3,D#3								
X											
N			O								
N					O						
N						O					
N			O								
O											
		-		-		-		-			-

5-10	5:9:9:12:15	1.144	E1,D2,D2,G2,B3			
X						
O						
O						
O						
N				O		
O						
	-	-	-	-		-

5-11	5:9:9:12:18	1.122	E1,D2,D2,G2,D3			
X						
N		O				
O						
O						
N				O		
O						
	-	-	-	-		-

5-12	5:9:9:15:15	1.111	E1,D2,D2,B3,B3			
X						
O						
N			O			
O						
N				O		
O						
	-	-	-	-		-

5-13	5:9:9:15:18	1.089	E1,D2,D2,B3,D3			
X						
N		O				
N			O			
O						
N				O		
O						
	-	-	-	-		-

5-14	5:9:9:18:15	1.089	E1,D2,D2,D3,B3			
X						
O						
N				O		
O						
N				O		
O						
	-	-	-	-		-

5-15	5:9:10:12:15	1.122	E1,D2,E2,G2,B3						
X									
O									
O									
N	O								
N				O					
O									
		-		-		-			-

5-16	5:9:10:12:18	1.1	E1,D2,E2,G2,D3						
X									
N			O						
O									
N	O								
N				O					
O									
		-		-		-			-

5-17	5:9:10:15:15	1.089	E1,D2,E2,B3,B3						
X									
O									
N				O					
N	O								
N				O					
O									
		-		-		-			-

5-18	5:9:10:15:18	1.067	E1,D2,E2,B3,D3						
X									
N			O						
N				O					
N	O								
N				O					
O									
		-		-		-			-

5-19	5:9:12:12:15	1.089	E1,D2,G2,G2,B3						
X									
O									
O									
N				O					
N				O					
O									
		-		-		-			-

5-20	5:9:12:12:18	1.067	E1,D2,G2,G2,D3		
X					
N		O			
O					
N			O		
N			O		
O					
	-	-	-	-	-

5-21	5:9:12:15:15	1.056	E1,D2,G2,B3,B3		
X					
O					
N		O			
N			O		
N			O		
O					
	-	-	-	-	-

5-22	5:9:12:15:18	1.033	E1,D2,G2,B3,D3		
X					
N		O			
N			O		
N			O		
N			O		
O					
	-	-	-	-	-

5-23	5:9:12:18:15	1.033	E1,D2,G2,D3,B3		
X					
O					
N			O		
N			O		
N			O		
O					
	-	-	-	-	-

5-24	5:10:9:12:15	1.122	E1,E2,D2,G2,B3		
X					
O					
O					
O					
N			O		
O					
	-	-	-	-	-

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5-28	5:12:9:18:15	1.033	E1,G2,D2,D3,B3					
X								
O								
N								
O								
N								
O								

[illegible]

5-30	5:7:10:14:14	1.171	F1,B2,F2,B3,B3									
X												
O												
N				O								
N			O									
N		O										
N	O											
			-		-		-		-			-

5-31	10:14:20:28:35	0.571	F1,B2,F2,B3,D#3									
X												
N				O								
N				O								
N			O									
N		O										
N	O											
			-		-		-		-			-

5-32	12:15:20:30:34	0.525	F#1,A#2,D#2,A#3,C3									
X												
N	O											
N			O									
N	O											
N	O											
N		O										
			-		-		-		-			-

5-33	12:15:20:30:40	0.517	F#1,A#2,D#2,A#3,D#3									
X												
N				O								
N			O									
N	O											
N	O											
N		O										
			-		-		-		-			-

5-34	12:15:24:30:34	0.509	F#1,A#2,F#2,A#3,C3									
X												
N	O											
N			O									
N				O								
N	O											
N		O										
			-		-		-		-			-

5-35	15:20:24:40:40	0.417	F#1,B2,D2,B3,B3
X			
O			
N		O	
O			
N	O		
N	O		

5-36	15:20:24:40:48	0.408	F#1,B2,D2,B3,D3
X			
N	O		
N		O	
O			
N	O		
N	O		

	5-37	15:24:24:40:40	0.4	F#1,D2,D2,B3,B3
X				
O				
N			O	
O				
N			O	
N	O			

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5-39	6:9:10:12:15	1.056	G1,D2,E2,G2,B3						
X									
O									
O									
N	O								
N				O					
N		O							

5-40	6:9:10:15:15	1.022	G1,D2,E2,B3,B3							
X										
O										
N			O							
N	O									
N				O						
N		O								
		-		-		-		-		-

5-41	5:6:9:12:12	1.289	G#1,B2,F#2,B3,B3							
X										
O										
N			O							
N			O							
N	O		O							
N		O								
		-		-		-		-		-

5-42	5:6:9:12:15	1.256	G#1,B2,F#2,B3,D#3							
X										
N			O							
N			O							
N			O							
N	O		O							
N		O								
		-		-		-		-		-

5-43	15:20:30:36:36	0.411	G#1,C#2,G#2,B3,B3							
X										
O										
N			O							
N			O		O					
N			O							
N		O								
		-		-		-		-		-

5-44	15:20:30:36:45	0.4	G#1,C#2,G#2,B3,D#3							
X										
N			O							
N			O							
N			O		O					
N			O							
N		O								
		-		-		-		-		-

5-45	10:15:18:24:30	0.594	G#1,D#2,F#2,B3,D#3					
X								
N				O				
N				O				
N				O				
N					O			
N				O				
			-	-	-	-		-

5-46	10:15:18:24:36	0.583	G#1,D#2,F#2,B3,F#3					
X								
N					O			
N				O				
N				O				
N					O			
N				O				
			-	-	-	-		-

5-47	10:15:20:24:24	0.6	G#1,D#2,G#2,B3,B3					
X								
O								
N				O				
N					O			
N					O			
N				O				
			-	-	-	-		-

5-48	10:15:20:24:30	0.583	G#1,D#2,G#2,B3,D#3					
X								
N				O				
N				O				
N					O			
N					O			
N				O				
			-	-	-	-		-

5-49	10:15:20:24:36	0.572	G#1,D#2,G#2,B3,F#3					
X								
N					O			
N				O				
N					O			
N					O			
N				O				
			-	-	-	-		-

5-50	5:5:9:9:18	1.356	A2,A2,G2,G2,G3								
X											
N								O			
O											
N					O						
O					O						
N					O						
		-		-		-		-			-

5-51	5:5:10:9:18	1.333	A2,A2,A3,G2,G3								
X											
N								O			
O											
N							O				
O											
N					O						
		-		-		-		-			-

5-52	5:5:10:12:14	1.31	A2,A2,A3,C3,D#3								
X											
N				O							
N					O						
N							O				
O											
N					O						
		-		-		-		-			-

5-53	10:10:20:25:28	0.651	A2,A2,A3,C#3,D#3								
X											
N				O							
N						O					
N							O				
O											
N					O						
		-		-		-		-			-

5-54	10:10:20:25:32	0.643	A2,A2,A3,C#3,F3								
X											
N						O					
N						O					
N							O				
O											
N					O						
		-		-		-		-			-

5-55	5:5:10:14:18	1.254	A2,A2,A3,D#3,G3
X			
N			O
N			O
N			O
O			
N		O	

[illegible][illegible][illegible][illegible]

5-60	10:15:18:24:30	0.594	A2,E2,G2,C3,E3										
X													
N					O								
N					O								
N					O								
N							O						
N					O								
			-		-		-		-				-

5-61	10:15:18:24:36	0.583	A2,E2,G2,C3,G3										
X													
N								O					
N					O								
N					O								
N							O						
N					O								
			-		-		-		-				-

5-62	10:15:20:24:30	0.583	A2,E2,A3,C3,E3										
X													
N					O								
N					O								
N							O						
N							O						
N					O								
			-		-		-		-				-

5-63	10:15:20:24:36	0.572	A2,E2,A3,C3,G3										
X													
N								O					
N					O								
N							O						
N							O						
N					O								
			-		-		-		-				-

5-64	9:10:15:18:24	0.75	B2,C#2,G#2,B3,E3										
X													
N					O								
N				O									
N						O							
N				O									
N							O						
			-		-		-		-				-

	5-65		5:6:6:10:10		1.467		B2,D2,D2,B3,B3							
X														
O														
N				O										
O														
N					O									
N							O							

[illegible][illegible]

5-68	5:6:6:12:15	1.367	B2,D2,D2,D3,F#3						
X									
N						O			
N						O			
O									
N				O					
N						O			
	-	-	-	-	-	-	-	-	-

[illegible]

5-70	10	12	15	24	20	0.683	B2,D2,F#2,D3,B3
X							
O							
N							O
N				O			
N					O		
N							O

5-71	12:15:20:24:24	0.567	B2,D#2,G#2,B3,B3
X			
O			
N	O		
N		O	
N		O	
N			O

5-72	12:15:20:24:30	0.55	B2,D#2,G#2,B3,D#3
X			
N		O	
N		O	
N			O
N			O
N			O

5-73	12:15:20:30:24	0.55	B2,D#2,G#2,D#3,B3
X			
O			
N			O
N		O	
N		O	
N			O

5-74	12:15:20:30:34	0.525	B2,D#2,G#2,D#3,F3
X			
N		0	
N		0	0
N		0	
N		0	
N		0	

5-75	12:15:20:30:36	0.522	B2,D#2,G#2,D#3,F#3
X			
N			O
N			O
N		O	
N		O	
N		O	

5-76	12:15:20:30:40	0.517	B2,D#2,G#2,D#3,G#3
X			
N			O
N			O
N		O	
N		O	
N		O	

5-77	12:15:24:30:34	0.509	B2,D#2,B3,D#3,F3
X			
N		O	
N			O
N			O
N		O	
N		O	

	5-78	15:20:	18:24:	30	0.494	B2,E2,D2,G2,B3								
X														
O														
O														
O														
N							O							
N							O							

	5-79	15:20:18:24:48	0.469	B2,E2,D2,G2,G3	
X					
N				O	
O					
O					
N				O	
N				O	
	-	-	-	-	-

[illegible]

5-81	15:20:18:36:30	0.467	B2,E2,D2,D3,B3
X			
O			
N		O	
O			
N		O	
N		O	

5-82	10:15:12:24:20	0.683	B2,F#2,D2,D3,B3					
X								
O								
N					O			
O								
N							O	
N					O			

5-83	6:9:10:15:12	1.056	B2,F#2,G#2,D#3,B3
X			
O			
N			O
N		O	
N			O
N		O	

5-84	10:15:20:24:20	0.617	B2,F#2,B3,D3,B3
X			
O			
N		O	
N			O
N			O
N		O	

5-85	6:5:9:12:15	1.256	C2,A2,G2,C3,E3						
X									
N					O				
N					O				
N					O				
O							O		
N									
		-		-		-		-	

5-86	6:5:9:12:18	1.233	C2,A2,G2,C3,G3						
X									
N							O		
N					O				
N					O				
O									
N							O		
		-		-		-		-	

5-87	6:5:10:9:18	1.267	C2,A2,A3,G2,G3						
X									
N							O		
O									
N						O			
O									
N							O		
		-		-		-		-	

5-88	6:5:10:12:15	1.233	C2,A2,A3,C3,E3						
X									
N					O				
N					O				
N						O			
O									
N							O		
		-		-		-		-	

5-89	6:5:10:14:18	1.187	C2,A2,A3,D#3,G3						
X									
N							O		
N							O		
N						O			
O									
N							O		
		-		-		-		-	

5-90	6:5:10:14:20	1.176	C2,A2,A3,D#3,A4		
X					
N					
N					
N					
O					
N					
	-	-	-	-	-

5-91	6:5:12:14:18	1.154	C2,A2,C3,D#3,G3		
X					
N					
N					
N					
O					
N					
	-	-	-	-	-

5-92	6:5:12:14:20	1.143	C2,A2,C3,D#3,A4		
X					
N					
N					
N					
O					
N					
	-	-	-	-	-

5-93	6:5:12:15:20	1.133	C2,A2,C3,E3,A4		
X					
N					
N					
N					
O					
N					
	-	-	-	-	-

5-94	12:15:20:18:36	0.567	C2,E2,A3,G2,G3		
X					
N					
O					
N					
N					
N					
	-	-	-	-	-

	5-95	12:15:20:24:30	0.55	C2,E2,A3,C3,E3
X				
N			O	
N			O	
N				O
N				O
N				O

	5-95	15:21:30:35:42	0.4	C2,F#2,C3,D#3,F#3
X				
N				0
N				0
N				0
N				0
N				0

5-96	10:14:20:28:35	0.571	C2,F#2,C3,F#3,A#4
X			
N			O
N			O
N			O
N			O
N			O

5-97	10:15:20:24:30	0.583	C#2,G#2,C#3,E3,G#3
X			
N			O
N			O
N			
N			O
N			O

[illegible]

5-99	10:15:18:24:30	0.594	A2,E2,G2,C3,E3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														</
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5-100	10:15:18:24:36	0.583	A2,E2,G2,C3,G3									
N		O										
N	O											
O												
N		O										
O												
X												
		-		-		-		-				-

5-101	10:15:18:30:30	0.578	A2,E2,G2,E3,E3									
O												
N				O								
O												
N	O											
O												
X												
		-		-		-		-				-

5-102	10:15:18:30:36	0.567	A2,E2,G2,E3,G3									
N		O										
N				O								
O												
N	O											
O												
X												

5-103	10:15:20:24:30	0.583	A2,E2,A3,C3,E3									
O												
N	O											
N		O										
N		O										
O												
X												
		-		-		-		-				-

5-104	10:15:20:24:36	0.572	A2,E2,A3,C3,G3	
N			O	
N	O			
N		O		
N		O		
O				
X				
		-	-	-

5-105	10:15:20:30:36	0.556	A2,E2,A3,E3,G3	
N			O	
N				O
N		O		
N		O		
O				
X				
		-	-	-

5-106	10:15:24:30:30	0.55	A2,E2,C3,E3,E3	
O				
N				O
N				O
N		O		
O				
X				
		-	-	-

5-107	10:15:24:30:36	0.539	A2,E2,C3,E3,G3	
N			O	
N				O
N				O
N		O		
O				
X				
		-	-	-

5-108	10:15:24:30:40	0.533	A2,E2,C3,E3,A4	
N				O
N				O
N				O
N		O		
O				
X				
		-	-	-

5-109	5:8:10:14:16	1.118	A2,F2,A3,D#3,F3
N	O		
N		O	
N	O		
N		O	
O			
X			
	-	-	-

5-110	5:9:9:15:15	1.111	A2,G2,G2,E3,E3
O			
N		O	
O			
N		O	
O			
X			
	-	-	-

5-111	5:9:9:15:18	1.089	A2,G2,G2,E3,G3
N		O	
N		O	
O			
N		O	
O			
X			
	-	-	-

5-112	5:9:9:18:15	1.089	A2,G2,G2,G3,E3
O			
N			O
O			
N		O	
O			
X			
	-	-	-

5-113	5:9:10:15:15	1.089	A2,G2,A3,E3,E3
O			
N		O	
N	O		
N		O	
O			
X			
	-	-	-

5-114	5:9:10:15:18	1.067	A2,G2,A3,E3,G3								
N			O								
N				O							
N	O										
N				O							
O											
X											
			-	-	-	-					-

5-115	5:9:12:15:15	1.056	A2,G2,C3,E3,E3								
O											
N				O							
N				O							
N				O							
O											
X											
			-	-	-	-					-

5-116	5:9:12:15:18	1.033	A2,G2,C3,E3,G3								
N			O								
N				O							
N				O							
N				O							
O											
X											
			-	-	-	-					-

5-117	5:9:12:18:15	1.033	A2,G2,C3,G3,E3								
O											
N							O				
N				O							
N				O							
O											
X											
			-	-	-	-					-

5-118	5:10:9:15:15	1.089	A2,A3,G2,E3,E3								
O											
N				O							
O											
N						O					
O											
X											
			-	-	-	-					-

5-119	5:10:9:18:15	1.067	A2,A3,G2,G3,E3
O			
N			O
O			
N			O
O			
X			

- - - - -

5-120	5:10:12:15:15	1.033	A2,A3,C3,E3,E3
O			
N		O	
N		O	
N			O
O			
X			

- - - - -

5-121	5:10:12:15:20	1.0	A2,A3,C3,E3,A4
N		O	
N		O	
N		O	
N			O
O			
X			

- - - - -

5-122	5:10:12:18:15	1.011	A2,A3,C3,G3,E3
O			
N			O
N		O	
N			O
O			
X			

- - - - -

5-123	5:10:12:18:20	0.978	A2,A3,C3,G3,A4
N		O	
N			O
N		O	
N			O
O			
X			

- - - - -

5-124	10:20:25:28:40	0.501	A2,A3,C#3,D#3,A4
N			
N			
N			
N			
O			
X			

5-125	10:20:25:32:40	0.493	A2,A3,C#3,F3,A4
N			
N			
N			
N			
O			
X			

5-126	5:10:14:18:20	0.954	A2,A3,D#3,G3,A4
N			
N			
N			
N			
O			
X			

5-127	5:10:15:18:15	0.978	A2,A3,E3,G3,E3
O			
N			
N			
N			
O			
X			

5-128	5:12:9:18:15	1.033	A2,C3,G2,G3,E3
O			
N			
O			
N			
O			
X			

5-129	5:12:15:18:15	0.944	A2,C3,E3,G3,E3
O			
N			O
N			O
N			O
O			
X			

5-130	5:12:15:20:15	0.933	A2,C3,E3,A4,E3
O			
N			O
N			O
N			O
O			
X			

5-131	5:12:18:20:15	0.911	A2,C3,G3,A4,E3
O			
N			O
N			O
N			O
O			
X			

5-132	5:6:10:10:15	1.267	B2,D2,B3,B3,F#3
N	O		
O			
N		O	
O			
N	O		
X			

5-133	5:6:10:12:15	1.233	B2,D2,B3,D3,F#3
N	O		
N		O	
N		O	
O			
N	O		
X			

[illegible]

5-135	12:15:20:24:36	0.539	B2,D#2,G#2,B3,F#3
N	O		
O			
N	O		
N	O		
N	O		
X			

5-136	12:15:20:30:40	0.517	B2,D#2,G#2,D#3,G#3
N		O	
N		O	
N	O		
N	O		
N	O		
X			

[illegible]

5-138	10:15:20:24:30	0.583	B2,F#2,B3,D3,F#3
N	O		
N		O	
N			O
N			O
N	O		
X			

5-139	12:15:20:24:30	0.55	C2,E2,A3,C3,E3
O			
N	O		
N		O	
N		O	
N			O
X			
	-	-	-

5-140	12:15:20:30:30	0.533	C2,E2,A3,E3,E3
O			
N			O
N		O	
N		O	
N			O
X			
	-	-	-

5-141	12:15:20:30:36	0.522	C2,E2,A3,E3,G3
N			O
N			
N		O	
N		O	
N			O
X			
	-	-	-

5-142	12:15:20:30:40	0.517	C2,E2,A3,E3,A4
N			
N			O
N		O	
N		O	
N			O
X			
	-	-	-

5-143	12:15:24:30:40	0.5	C2,E2,C3,E3,A4
N			
N			O
N			O
N		O	
N			O
X			
	-	-	-

5-144	15:21:30:35:42	0.4	C2,F#2,C3,D#3,F#3							
N	O									
N			O							
N				O						
N			O							
N		O								
X										
		-		-		-		-		-

5-145	6:9:10:15:15	1.022	C2,G2,A3,E3,E3							
O										
N				O						
N	O									
N				O						
N		O								
X										
		-		-		-		-		-

5-146	10:15:20:24:36	0.572	C#2,G#2,C#3,E3,B4							
N						O				
N				O						
N					O					
N					O					
N			O							
X										
		-		-		-		-		-

5-147	6:6:10:10:15	1.2	D2,D2,B3,B3,F#3							
N	O									
O										
N			O							
O										
N				O						
X										
		-		-		-		-		-

5-148	3:3:5:5:10	2.333	D2,D2,B3,B3,B4							
N						O				
O										
N			O							
O										
N				O						
X										
		-		-		-		-		-

5-149	6:6:10:12:15	1.167	D2,D2,B3,D3,F#3								
N	O										
N		O									
N			O								
O											
N				O							
X											
		-		-		-		-			-

5-150	6:6:10:15:20	1.1	D2,D2,B3,F#3,B4								
N						O					
N						O					
N			O								
O											
N				O							
X											
		-		-		-		-			-

5-151	3:3:6:5:10	2.267	D2,D2,D3,B3,B4								
N						O					
O											
N						O					
O											
N				O							
X											
		-		-		-		-			-

5-152	6:6:12:15:20	1.067	D2,D2,D3,F#3,B4								
N						O					
N						O					
N						O					
O											
N				O							
X											
		-		-		-		-			-

5-153	12:15:20:20:30	0.567	D2,F#2,B3,B3,F#3								
N	O										
O											
N			O								
N			O								
N				O							
X											
		-		-		-		-			-

5-154	12:15:20:30:40	0.517	D2,F#2,B3,F#3,B4
N			O
N			O
N		O	
N		O	
N			O
X			
	-	-	-

5-155	12:15:24:20:40	0.533	D2,F#2,D3,B3,B4
N			O
O			
N			O
N		O	
N			O
X			
	-	-	-

5-156	12:15:24:30:40	0.5	D2,F#2,D3,F#3,B4
N			O
N			O
N			O
N		O	
N			O
X			
	-	-	-

5-157	15:20:24:24:48	0.442	D#2,G#2,B3,B3,B4
N			O
O			
N		O	
N			O
N			O
X			
	-	-	-

5-158	15:20:24:30:40	0.433	D#2,G#2,B3,D#3,G#3
N			O
N			O
N			O
N			
N			O
X			O
	-	-	-

[illegible]

5-160	15:20:24:36:40	0.422	D#2,G#2,B3,F#3,G#3
N		O	
N			O
N		O	
N		O	
N		O	
X			

5-161	15:20:24:36:48	0.414	D#2, G#2, B3, F#3, B4
N			O
N			O
N		O	
N		O	
N		O	
X			

5-162	15:20:30:24:48	0.425	D#2,G#2,D#3,B3,B4
N			O
O			
N			O
N		O	
N		O	
X			

5-163	15:20:30:36:45	0.4	D#2,G#2,D#3,F#3,A#4
N		O	
N		O	
N			O
N		O	
N		O	
X			

5-164	10:15:20:24:30	0.583	D#2,A#3,D#3,F#3,A#4
N		O	
N		O	
N			O
N			O
N		O	
X			

[illegible][illegible][illegible][illegible]

5-169	5:6:6:12:14	1.376	E2,G2,G2,G3,A#4		
N			O		
N				O	
O					
N		O			
N			O		
X					
	-	-	-	-	-

5-170	5:6:6:12:15	1.367	E2,G2,G2,G3,B4		
N			O		
N				O	
O					
N		O			
N			O		
X					
	-	-	-	-	-

5-171	5:6:9:10:10	1.356	E2,G2,D3,E3,E3		
O					
N		O			
N			O		
N		O			
N			O		
X					
	-	-	-	-	-

5-172	5:6:9:10:15	1.289	E2,G2,D3,E3,B4		
N			O		
N		O			
N			O		
N		O			
N			O		
X					
	-	-	-	-	-

5-173	5:6:9:12:10	1.322	E2,G2,D3,G3,E3		
O					
N				O	
N			O		
N		O			
N			O		
X					
	-	-	-	-	-

5-174	15:20:18:30:30	0.478	E2,A3,G2,E3,E3
O			
N		O	
O			
N		O	
N		O	
X			
	-	-	-

5-175	15:20:18:30:45	0.456	E2,A3,G2,E3,B4
N		O	
N		O	
O			
N		O	
N		O	
X			
	-	-	-

5-176	15:20:18:30:48	0.453	E2,A3,G2,E3,C4
N			O
N		O	
O			
N		O	
N		O	
X			
	-	-	-

5-177	15:20:18:36:30	0.467	E2,A3,G2,G3,E3
O			
N			O
O			
N		O	
N		O	
X			
	-	-	-

5-178	15:20:18:36:45	0.444	E2,A3,G2,G3,B4
N		O	
N			O
O			
N		O	
N		O	
X			
	-	-	-

5-179	15:20:18:36:48	0.442	E2,A3,G2,G3,C4
N			O
N			O
O			
N		O	
N		O	
X			
	-	-	-

5-180	15:20:24:30:30	0.45	E2,A3,C3,E3,E3
O			
N		O	
N		O	
N		O	
N		O	
X			
	-	-	-

5-181	15:20:24:30:40	0.433	E2,A3,C3,E3,A4
N		O	
N		O	
N		O	
N		O	
N		O	
X			
	-	-	-

5-182	15:20:24:30:48	0.425	E2,A3,C3,E3,C4
N		O	
N		O	
N		O	
N		O	
N		O	
X			
	-	-	-

5-183	15:20:24:36:30	0.439	E2,A3,C3,G3,E3
O			O
N		O	
N		O	
N		O	
X			
	-	-	-

5-184	15:20:24:36:40	0.422	E2,A3,C3,G3,A4
N			
N			O
N			
N			
N		O	
X			

[illegible]

5-186	15:20:30:36:30	0.422	E2,A3,E3,G3,E3
O			
N			O
N			O
N		O	
N		O	
X			

5-187		15:20:30:36:45		0.4	E2,A3,E3,G3,B4													
N						O												
N							O											
N									O									
N						O												
N						O												
X																		
		-	-	-	-	-		-		-								

[illegible]

5-189	5:7:6:10:10	1.419	E2,A#3,G2,E3,E3
O			
N		O	
O			
N			O
N			O
X			
	-	-	-

5-190	5:7:6:10:14	1.362	E2,A#3,G2,E3,A#4
N		O	
N		O	
O			
N			O
N			O
X			
	-	-	-

5-191	5:7:6:12:10	1.386	E2,A#3,G2,G3,E3
O			
N			O
O			O
N			O
N			O
X			
	-	-	-

5-192	5:7:6:12:14	1.329	E2,A#3,G2,G3,A#4
N		O	
N			O
O			O
N			O
N			O
X			
	-	-	-

5-193	5:7:9:10:10	1.308	E2,A#3,D3,E3,E3
O			
N		O	
N		O	O
N			O
N		O	
X			
	-	-	-

5-194	5:7:9:12:10	1.275	E2,A#3,D3,G3,E3								
O											
N							O				
N							O				
N							O				
N							O				
X											
		-	-	-	-	-	-	-	-	-	-

5-195	5:7:10:12:10	1.252	E2,A#3,E3,G3,E3								
O											
N							O				
N							O	O			
N							O				
N							O				
X											
		-	-	-	-	-	-	-	-	-	-

5-196	5:7:10:12:14	1.195	E2,A#3,E3,G3,A#4								
N						O					
N						O	O				
N						O	O	O			
N						O	O				
N						O					
X											
		-	-	-	-	-	-	-	-	-	-

5-197	15:24:30:40:30	0.4	E1,E2,C3,E3,A4,E3								
O											
N								O	O		
N								O			
N								O	O		
N						O					
X											
		-	-	-	-	-	-	-	-	-	-

5-198	5:7:10:7:14	1.314	F2,B3,F3,B3,B4								
N						O					
O									O		
N								O			
N							O	O			
N							O				
X											
		-	-	-	-	-	-	-	-	-	-

5-199	10:14:20:14:35	0.643	F2,B3,F3,B3,D#4
N			
O			
N			
N			
N			
X			

- - - - -

5-200	15:21:30:35:42	0.4	F2,B3,F3,G#3,B4
N			
N			
N			
N			
N			
X			

- - - - -

5-201	15:12:24:20:48	0.525	F#2,D2,D3,B3,D4
N			
O			
N			
O			
N			
X			

- - - - -

5-202	15:12:24:30:40	0.5	F#2,D2,D3,F#3,B4
N			
N			
N			
O			
N			
X			

- - - - -

5-203	15:12:30:20:48	0.508	F#2,D2,F#3,B3,D4
N			
O			
N			
O			
N			
X			

- - - - -

5-204	15:12:30:40:48	0.458	F#2,D2,F#3,B4,D4
N			
N			
N			
O			
N			
X			
	-	-	-

5-205	12:15:20:30:34	0.525	F#2,A#3,D#3,A#4,C4
N			
N			
N			
N			
N			
X			
	-	-	-

5-206	12:15:20:30:40	0.517	F#2,A#3,D#3,A#4,D#4
N			
N			
N			
N			
N			
X			
	-	-	-

5-207	12:15:24:30:34	0.509	F#2,A#3,F#3,A#4,C4
N			
N			
N			
N			
N			
X			
	-	-	-

5-208	12:15:24:30:40	0.5	F#2,A#3,F#3,A#4,D#4
N			
N			
N			
N			
N			
X			
	-	-	-

5-209	15:20:24:20:40	0.467	F#2,B3,D3,B3,B4
N			
O			
N			
N			
N			
X			
	-	-	-

5-210	15:20:24:20:48	0.458	F#2,B3,D3,B3,D4
N			
O			
N			
N			
N			
X			
	-	-	-

5-211	15:20:24:30:40	0.433	F#2,B3,D3,F#3,B4
N			
N			
N			
N			
N			
X			
	-	-	-

5-212	15:20:24:30:48	0.425	F#2,B3,D3,F#3,D4
N			
N			
N			
N			
N			
X			
	-	-	-

5-213	15:20:30:20:48	0.442	F#2,B3,F#3,B3,D4
N			
O			
N			
N			
N			
X			
	-	-	-

5-214	15:24:30:20:48	0.425	F#2,D3,F#3,B3,D4
N			
O			
N			
N			
N			
X			
	-	-	-

5-215	6:7:6:12:10	1.319	G2,A#3,G2,G3,E3
O			
N			
O			
N			
N			
X			
	-	-	-

5-216	6:7:6:14:10	1.295	G2,A#3,G2,A#4,E3
O			
N			
O			
N			
N			
X			
	-	-	-

5-217	6:7:10:14:10	1.162	G2,A#3,E3,A#4,E3
O			
N			
N			
N			
N			
X			
	-	-	-

5-218	6:9:6:15:10	1.222	G2,D3,G2,B4,E3
O			
N			
O			
N			
N			
X			
	-	-	-

5-219	6:9:10:15:10	1.089	G2,D3,E3,B4,E3		
O					
N					O
N				O	
N					O
N				O	
X					
	-	-	-	-	-

5-220	6:9:12:15:10	1.056	G2,D3,G3,B4,E3		
O					
N					O
N					O
N					O
N				O	
X					
	-	-	-	-	-

Chapter Three

Four-Note Chord

4-1 to 4-146 are four-note chords on the EADG strings.
 4-147 to 4-245 are four-note chords on the ADGB strings. 4-246 to
 4-374 are four-note chords on the DGBE strings.

4-1 5:7:9:12 1.075 E1,A#2,D2,G2

X											
X											
O											
O											
N	O										
O											
			-		-		-		-		-

4-2 5:7:10:12 1.052 E1,A#2,E2,G2

X											
X											
O											
N		O									
N	O										
O											
			-		-		-		-		-

4-3 5:7:10:14 1.029 E1,A#2,E2,A#3

X											
X											
N			O								
N		O									
N	O										
O											
			-		-		-		-		-

4-4 10:15:18:24 0.528 E1,B2,D2,G2

X											
X											
O											
O											
N		O									
O											
			-		-		-		-		-

[illegible][illegible][illegible][illegible][illegible]

4-10	6:10:15:20	0.767	E1,C#2,G#2,C#3										
X													
X													
N						O							
N						O							
N				O									
O													
			-		-		-		-				-

4-11	5:9:9:12	1.011	E1,D2,D2,G2										
X													
X													
O													
O													
N					O								
O													
			-		-		-		-				-

4-12	5:9:9:15	0.978	E1,D2,D2,B3										
X													
X													
N				O									
O													
N					O								
O													
			-		-		-		-				-

4-13	5:9:9:18	0.956	E1,D2,D2,D3										
X													
X													
N							O						
O													
N					O								
O													
			-		-		-		-				-

4-14	5:9:12:12	0.956	E1,D2,G2,G2										
X													
X													
O													
N					O								
N					O								
O													
			-		-		-		-				-

4-15	5:9:12:15	0.922	E1,D2,G2,B3				
X							
X							
N			O				
N				O			
N				O			
O							
	-	-	-	-			-

4-16	5:9:12:18	0.9	E1,D2,G2,D3				
X							
X							
N				O			
N				O			
N				O			
O							
	-	-	-	-			-

4-17	5:10:9:12	0.989	E1,E2,D2,G2				
X							
X							
O							
O							
N				O			
O							
	-	-	-	-			-

4-18	5:10:9:18	0.933	E1,E2,D2,D3				
X							
X							
N				O			
O							
N				O			
O							
	-	-	-	-			-

4-19	5:10:12:12	0.933	E1,E2,G2,G2				
X							
X							
O							
N			O		O		
N					O		
O							
	-	-	-	-			-

4-25	5:10:14:18	0.854	E1,E2,A#3,D3				
X							
X							
N					O		
N						O	
N					O		
O							
		-	-	-	-		-

4-26	5:10:14:20	0.843	E1,E2,A#3,E3				
X							
X							
N						O	
N					O		
N					O		
O							
		-	-	-	-		-

4-27	5:10:15:12	0.9	E1,E2,B3,G2				
X							
X							
O							
N						O	
N					O		
O							
		-	-	-	-		-

4-28	3:6:9:10	1.422	E1,E2,B3,C#3				
X							
X							
N				O			
N						O	
N					O		
O							
		-	-	-	-		-

4-29	5:10:15:18	0.844	E1,E2,B3,D3				
X							
X							
N					O		
N						O	
N					O		
O							
		-	-	-	-		-

4-30	5:10:16:20	0.825	E1,E2,C3,E3								
X											
X											
N								O			
N									O		
N							O				
O											
		-		-		-		-			-

4-31	5:12:9:12	0.956	E1,G2,D2,G2								
X											
X											
O											
O											
N									O		
O											
		-		-		-		-			-

4-32	5:12:9:18	0.9	E1,G2,D2,D3								
X											
X											
N							O				
O											
N									O		
O											
		-		-		-		-			-

4-33	5:12:14:12	0.876	E1,G2,A#3,G2								
X											
X											
O											
N							O				
N									O		
O											
		-		-		-		-			-

4-34	5:12:14:18	0.821	E1,G2,A#3,D3								
X											
X											
N							O				
N								O			
N											
O									O		
		-		-		-		-			-

4-35	5:12:14:20	0.81	E1,G2,A#3,E3				
X							
X							
N						O	
N						O	
N						O	
O							
		-	-	-	-		-

4-36	5:12:15:12	0.867	E1,G2,B3,G2				
X							
X							
O							
N						O	
N						O	
O							
		-	-	-	-		-

4-37	5:12:15:18	0.811	E1,G2,B3,D3				
X							
X							
N					O		
N					O	O	
N					O	O	
O							
		-	-	-	-		-

4-38	5:12:15:20	0.8	145 E1,G2,B3,E3				
X							
X							
N						O	
N						O	
N						O	
O							
		-	-	-	-		-

4-39	5:12:18:12	0.844	E1,G2,D3,G2				
X							
X							
O							
N							O
N						O	
O							
		-	-	-	-		-

4-40	5:12:18:20	0.778	E1,G2,D3,E3						
X									
X									
N							O		
N									O
N								O	
O									
			-		-		-		-

4-41	10:25:32:40	0.393	E1,G#2,C3,E3						
X									
X									
N							O		
N								O	
N									O
O									
			-		-		-		-

4-42	6:15:20:24	0.65	E1,G#2,C#3,E3						
X									
X									
N							O		
N									O
N								O	
O									
			-		-		-		-

4-43	5:7:10:14	1.029	F1,B2,F2,B3						
X									
X				O					
N			O						
N	O	O							
N									
			-		-		-		-

4-44	12:15:20:30	0.467	F#1,A#2,D#2,A#3						
X									
X									
N			O						
N	O								
N	O	O							
N		O							
			-		-		-		-

4-45	7:10:14:20	0.729	F#1,C2,F#2,C3			
X						
X						
N				O		
N			O			
N		O				
N						
		-		-		-

4-46	9:10:15:18	0.667	G1,A2,E2,G2			
X						
X						
O						
N		O				
O						
N			O			
		-		-		-

4-47	9:10:15:24	0.639	G1,A2,E2,C3			
X						
X						
N				O		
N		O				
O						
N			O			
		-		-		-

4-48	9:10:18:18	0.644	G1,A2,G2,G2			
X						
X						
O						
N				O		
O						
N			O			
		-		-		-

4-49	9:10:18:24	0.617	G1,A2,G2,C3			
X						
X						
N				O		
N				O		
O						
N			O			
		-		-		-

4-50	6:7:9:12	1.008	G1,A#2,D2,G2								
X											
X											
O											
O											
N	O										
N			O								
		-		-		-		-			-

4-51	6:7:10:12	0.986	G1,A#2,E2,G2								
X											
X											
O											
N		O									
N	O										
N			O								
		-		-		-		-			-

4-52	12:15:20:24	0.483	G1,B2,E2,G2								
X											
X											
O											
N		O									
N		O									
N			O								
		-		-		-		-			-

4-53	12:15:20:30	0.467	G1,B2,E2,B3								
X											
X											
N				O							
N		O									
N		O									
N			O								
		-		-		-		-			-

4-54	6:9:10:12	0.922	G1,D2,E2,G2								
X											
X											
O											
N		O									
N				O							
N			O								
		-		-		-		-			-

4-55	6:9:10:15	0.889	G1,D2,E2,B3						
X									
X									
N			O						
N		O							
N				O					
N		O							
	-		-		-		-		-

4-56	5:6:9:12	1.122	G#1,B2,F#2,B3						
X									
X									
N			O						
N			O						
N	O								
N			O						
	-		-		-		-		-

4-57	10:15:18:24	0.528	G#1,D#2,F#2,B3						
X									
X									
N			O						
N			O						
N				O					
N			O						
	-		-		-		-		-

4-58	10:15:20:24	0.517	G#1,D#2,G#2,B3						
X									
X									
N			O		O				
N					O				
N									
N			O						
	-		-		-		-		-

4-59	10:10:15:24	0.617	A2,A2,E2,C3						
X									
X									
N				O					
N	O								
O									
N				O					
	-		-		-		-		-

4-60	5:5:9:9	1.244	A2,A2,G2,G2								
X											
X											
O											
N					O						
O					O						
N					O						
		-		-		-		-			-

4-61	5:5:9:10	1.222	A2,A2,G2,A3								
X											
X											
N		O									
N					O						
O					O						
N					O						
		-		-		-		-			-

4-62	5:5:9:12	1.189	A2,A2,G2,C3								
X											
X											
N					O						
N					O						
O					O						
N					O						
		-		-		-		-			-

4-63	5:5:10:9	1.222	A2,A2,A3,G2								
X											
X											
O											
N						O					
O					O						
N					O						
		-		-		-		-			-

4-64	5:5:10:12	1.167	A2,A2,A3,C3								
X											
X											
N					O						
N						O					
O					O						
N					O						
		-		-		-		-			-

4-65	5:5:10:14	1.143	A2,A2,A3,D#3				
X							
X							
N						O	
N					O		
O							
N				O			
		-	-	-	-		-

4-66	10:12:15:18	0.611	A2,C2,E2,G2				
X							
X							
O							
N	O						
N		O					
N			O				
		-	-	-	-		-

4-67	10:12:15:20	0.6	A2,C2,E2,A3				
X							
X							
N	O						
N	O						
N		O					
N			O				
		-	-	-	-		-

4-68	10:12:15:24	0.583	A2,C2,E2,C3				
X							
X							
N				O			
N	O						
N		O					
N			O				
		-	-	-	-		-

4-69	5:6:9:9	1.178	A2,C2,G2,G2				
X							
X							
O							
N				O			
N		O					
N			O				
		-	-	-	-		-

4-70	5:6:9:10	1.156	A2,C2,G2,A3						
X									
X									
N	O								
N			O						
N		O							
N			O						
		-	-	-	-				-

4-71	5:6:9:12	1.122	A2,C2,G2,C3						
X									
X									
N			O						
N			O						
N		O							
N			O						
		-	-	-	-				-

4-72	5:7:9:9	1.13	A2,D#2,G2,G2						
X									
X									
O									
N			O						
N				O					
N			O						
		-	-	-	-				-

4-73	5:7:9:12	1.075	A2,D#2,G2,C3						
X									
X									
N			O						
N			O						
N				O					
N			O						
		-	-	-	-				-

4-74	5:7:10:9	1.108	A2,D#2,A3,G2						
X									
X									
O									
N					O				
N			O						
N			O						
		-	-	-	-				-

4-75	5:7:10:12	1.052	A2,D#2,A3,C3				
X							
X							
N			O		O		
N				O			
N			O				
N							

	4-76	5:7:10:14	1.029	A2,D#2,A3,D#3				
X								
X								
N					O			
N					O			
N				O				
N			O					

[illegible][illegible][illegible]

[illegible]

4-81	7:9:9:12	0.897	A#2,D2,D2,G2				
X							
X							
O							
O							
N		O	O				
N							
	-	-	-	-			

[illegible][illegible][illegible]

4-85	7:10:14:12	0.795	A#2,E2,A#3,G2						
X									
X									
O									
N							O		
N						O			
N					O				
		-		-		-		-	

4-86	7:10:14:20	0.729	A#2,E2,A#3,E3						
X									
X									
N							O		
N						O			
N					O				
N					O				
		-		-		-		-	

4-87	9:10:15:18	0.667	B2,C#2,G#2,B3						
X									
X									
N			O						
N			O		O				
N			O			O			
N					O				
		-		-		-		-	

4-88	5:6:6:10	1.267	B2,D2,D2,B3						
X									
X									
N			O						
O									
N				O					
N					O				
		-		-		-		-	

4-89	5:6:6:12	1.233	B2,D2,D2,D3						
X									
X									
N						O			
O									
N				O					
N					O				
		-		-		-		-	

4-90	10:12:15:20	0.6	B2,D2,F#2,B3								
X											
X											
N			O								
N			O								
N				O							
N						O					
		-		-		-		-			-

4-91	10:12:15:24	0.583	B2,D2,F#2,D3								
X											
X											
N							O				
N			O								
N				O							
N						O					
		-		-		-		-			-

4-92	12:15:20:24	0.483	B2,D#2,G#2,B3								
X											
X											
N			O								
N						O					
N						O					
N							O				
		-		-		-		-			-

4-93	12:15:20:30	0.467	B2,D#2,G#2,D#3								
X											
X											
N								O			
N						O					
N						O					
N							O				
		-		-		-		-			-

4-94	15:20:18:24	0.428	B2,E2,D2,G2								
X											
X											
O											
O											
N							O				
N							O				
		-		-		-		-			-

4-95	15:20:18:30	0.411	B2,E2,D2,B3			
X						
X						
N		O				
O						
N			O			
N			O			
	-	-	-	-		-

4-96	15:20:18:36	0.4	B2,E2,D2,D3			
X						
X						
N			O			
O						
N			O			
N			O			
	-	-	-	-		-

4-97	15:20:24:24	0.4	B2,E2,G2,G2			
X						
X						
O						
N		O				
N			O			
N			O			
	-	-	-	-		-

4-98	7:10:14:20	0.729	B2,F2,B3,F3	20/7~17/6		
X						
X						
N					O	
N						O
N			O	O		
N			O			
	-	-	-	-		-

4-99	10:15:12:24	0.583	B2,F#2,D2,D3			
X						
X						
N			O			
O						
N					O	
N			O			
	-	-	-	-		-

4-100	6:9:10:15	0.889	B2,F#2,G#2,D#3						
X									
X									
N							O		
N					O			O	
N						O			
N									
		-		-		-		-	-

4-101	10:15:20:24	0.517	B2,F#2,B3,D3						
X									
X									
N						O			
N								O	
N								O	
N						O			
		-		-		-		-	-

4-102	6:5:9:9	1.178	C2,A2,G2,G2						
X									
X									
O									
N				O					
O									
N							O		
		-		-		-		-	-

4-103	6:5:9:12	1.122	C2,A2,G2,C3						
X									
X									
N				O					
N				O					
O									
N							O		
		-		-		-		-	-

4-104	6:5:10:9	1.156	C2,A2,A3,G2						
X									
X									
O									
N						O			
O								O	
N									
		-		-		-		-	-

4-105	6:5:10:12	1.1	C2,A2,A3,C3				
X							
X							
N				o			
N					o		
O							
N						o	
		-		-		-	

4-106	6:5:10:14	1.076	C2,A2,A3,D#3				
X							
X							
N						o	
N					o		
O							
N						o	
		-		-		-	

4-107	6:5:10:15	1.067	C2,A2,A3,E3				
X							
X							
N							o
N					o		
O							
N						o	
		-		-		-	

4-108	6:5:12:9	1.122	C2,A2,C3,G2				
X							
X							
O							
N							o
O							
N						o	
		-		-		-	

4-109	6:5:12:14	1.043	C2,A2,C3,D#3				
X							
X							
N						o	
N							o
O							
N						o	
		-		-		-	

4-110	6:5:12:15	1.033	C2,A2,C3,E3				
X							
X							
N						O	
N							O
O							
N						O	
	-	-	-		-		

4-111	6:7:9:9	1.063	C2,D#2,G2,G2				
X							
X							
O							
N		O	O				
N							
N				O			
	-	-	-	-			

4-112	6:7:9:12	1.008	C2,D#2,G2,C3			
X						
X						
N		O				
N		O				
N			O			
N					O	
	-	-	-	-	-	

4-113	6:7:10:9	1.041	C2,D#2,A3,G2			
X						
X						
O						
N				O		
N			O			
N					O	
	-	-	-	-	-	

4-114	6:7:10:12	0.986	C2,D#2,A3,C3			
X						
X						
N		O				
N				O		
N			O			
N					O	

4-115	6:7:10:14	0.962	C2,D#2,A3,D#3			
X						
X						
N					O	
N				O		
N				O	O	
N					O	
	-	-	-	-		-

4-116	12:14:21:18	0.516	C2,D#2,A#3,G2			
X						
X						
O						
N					O	
N				O		
N					O	
	-	-	-	-		-

4-117	12:14:21:24	0.488	C2,D#2,A#3,C3			
X						
X						
N			O			
N				O		
N			O			
N				O		
	-	-	-	-		-

4-118	12:14:21:28	0.476	C2,D#2,A#3,D#3			
X						
X						
N					O	
N					O	
N			O			
N				O		
	-	-	-	-		-

4-119	12:15:20:18	0.511	C2,E2,A3,G2			
X						
X						
O						
N				O		
N				O		
N					O	
	-	-	-	-		-

4-120	12:15:20:24	0.483	C2,E2,A3,C3						
X									
X									
N				0					
N					0				
N					0	0			
N							0		
		-		-	-	-			-

4-121	12:15:20:30	0.467	C2,E2,A3,E3						
X									
X									
N							0		
N					0				
N					0	0			
N						0			
		-		-	-	-			-

4-122	5:7:10:14	1.029	C2,F#2,C3,F#3						
X									
X									
N								0	
N							0		
N						0			
N						0			
		-		-	-	-			-

4-123	6:9:10:9	0.978	C2,G2,A3,G2						
X									
X									
O									
N					0				
N						0		0	
N						0			
		-		-	-	-			-

4-124	6:9:10:15	0.889	C2,G2,A3,E3						
X									
X							0		
N						0			
N								0	
N						0			
N						0			
		-		-	-	-			-

4-125	10:12:15:20	0.6	C#2,E2,G#2,C#3							
X										
X										
N					O					
N					O					
N						O				
N							O			
		-		-		-		-		-

4-126	10:12:15:24	0.583	C#2,E2,G#2,E3							
X										
X										
N							O			
N					O					
N						O				
N							O			
		-		-		-		-		-

4-127	5:6:9:10	1.156	C#2,E2,B3,C#3							
X										
X										
N					O					
N							O			
N						O				
N							O			
		-		-		-		-		-

4-128	5:6:9:12	1.122	C#2,E2,B3,E3							
X										
X										
N							O			
N							O			
N						O				
N							O			
		-		-		-		-		-

4-129	10:15:18:24	0.528	C#2,G#2,B3,E3							
X										
X										
N							O			
N							O			
N								O		
N							O			
		-		-		-		-		-

4-130	10:15:20:24	0.517	C#2,G#2,C#3,E3						
X									
X									
N							O		
N								O	
N							O	O	
N							O		
		-		-		-	-		-

4-131	9:10:9:12	0.811	D2,E2,D2,G2						
X									
X									
O									
O									
N						O			
N								O	
		-		-		-	-		-

4-132	9:10:15:12	0.722	D2,E2,B3,G2						
X									
X									
O									
N						O			
N						O			
N							O		
		-		-		-	-		-

4-133	9:10:15:18	0.667	D2,E2,B3,D3						
X									
X									
N						O			
N							O		
N						O			
N							O		
		-		-		-	-		-

4-134	12:15:20:24	0.483	D2,F#2,B3,D3						
X									
X									
N						O			
N							O		
N							O		
N							O	O	
		-		-		-	-		-

4-135	12:15:20:30	0.467	D2,F#2,B3,F#3						
X									
X									
N								o	
N							o		
N							o		
N							o		

4-136	7:5:12:9	1.075	D#2,A2,C3,G2						
X									
X									
O									
N							o		
O									
N								o	

4-137	10:12:15:20	0.6	D#2,F#2,A#3,D#3						
X									
X									
N						o			
N						o			
N							o		
N								o	

4-138	10:12:15:24	0.583	D#2,F#2,A#3,F#3						
X									
X									
N								o	
N						o			
N							o		
N								o	

4-139	14:18:21:18	0.46	603 D#2,G2,A#3,G2						
X									
X									
O									
N						o			
N							o		
N								o	

4-140	7:9:12:9	0.897	D#2,G2,C3,G2						
X									
X									
O									
N								O	
N								O	
N									O
		-		-		-			-

4-141	7:10:12:9	0.875	D#2,A3,C3,G2						
X									
X									
O									
N								O	
N									O
N								O	
		-		-		-			-

4-142	10:12:15:20	0.6	E2,G2,B3,E3						
X									
X									
N							O		
N							O		
N								O	
N									O
		-		-		-			-

4-143	10:12:15:24	0.583	E2,G2,B3,G3						
X									
X									
N									O
N						O			
N							O		
N									O
		-		-		-			-

4-144	5:6:9:10	1.156	E2,G2,D3,E3						
X									
X									
N							O		
N									O
N								O	
N									O
		-		-		-			-

4-145	5:6:9:12	1.122	E2,G2,D3,G3				
X							
X							
N							O
N							O
N						O	
N							O
	-	-	-	-			-

4-146	12:15:20:24	0.483	E2,G#2,C#3,E3				
X							
X							
N					O		
N						O	
N						O	
N							O
	-	-	-	-			-

4-147	5:7:9:12	1.075	A2,D#2,G2,C3				
X							
N	O						
O							
N	O						
O							
X							
	-	-	-	-			-

4-148	5:7:10:12	1.052	A2,D#2,A3,C3				
X							
N	O						
N		O					
N	O						
O							
X							
	-	-	-	-			-

4-149	5:7:10:14	1.029	A2,D#2,A3,D#3				
X							
N			O				
N		O					
N	O						
O							
X							
	-	-	-	-			-

	4-150	10:15:18:24	0.528	A ₂ ,E ₂ ,G ₂ ,C ₃				
X								
N	O							
O								
N		O						
O								
X								
		-	-	-	-			

4-151	10:15:18:30	0.511	A2,E2,G2,E3
X			
N		O	
O			
N	O		
O			
X			
	-	-	-

[illegible]

4-153	10:15:24:30	0.483	A2,E2,C3,E3
X			
N		O	
N		O	
N	O		
O			
X			
	-	-	-

	4-154	5:9:9:15	0.978	A2,G2,G2,E3						
X										
N				O						
O										
N				O						
O										
X										
		-	-	-	-	-	-	-	-	-

4-155	5:9:9:18	0.956	A2,G2,G2,G3				
X							
N						O	
O							
N				O			
O							
X							
		-	-	-	-		-

4-156	5:9:10:15	0.956	A2,G2,A3,E3				
X							
N				O			
N	O						
N				O			
O							
X							
		-	-	-	-		-

4-157	5:9:12:15	0.922	A2,G2,C3,E3				
X							
N				O			
N				O			
N				O			
O							
X							
		-	-	-	-		-

4-158	5:9:12:18	0.9	A2,G2,C3,G3				
X							
N						O	
N				O			
N				O			
O							
X							
		-	-	-	-		-

4-159	5:10:9:15	0.956	A2,A3,G2,E3				
X							
N				O			
O							
N					O		
O							
X							
		-	-	-	-		-

4-160	5:10:9:18	0.933	A2,A3,G2,G3								
X											
N								O			
O											
N							O				
O											
X											
		-		-		-		-			-

4-161	5:10:12:14	0.91	A2,A3,C3,D#3								
X											
N			O								
N				O							
N						O					
O											
X											
		-		-		-		-			-

4-162	5:10:12:15	0.9	A2,A3,C3,E3								
X											
N				O							
N				O							
N						O					
O											
X											
		-		-		-		-			-

4-163	5:10:12:18	0.878	A2,A3,C3,G3								
X											
N								O			
N				O							
N						O					
O											
X											
		-		-		-		-			-

4-164	10:20:25:28	0.451	A2,A3,C#3,D#3								
X											
N			O								
N					O						
N						O					
O											
X											
		-		-		-		-			-

4-165	10:20:25:32	0.443	A2,A3,C#3,F3	32/25~9/7
X				
N				
N				
N				
O				
X				
	-	-	-	-

4-166	5:10:14:18	0.854	A2,A3,D#3,G3
X			
N			
N			
N			
O			
X			
	-	-	-

4-167	5:10:14:20	0.843	A2,A3,D#3,A4
X			
N			
N			
N			
O			
X			
	-	-	-

4-168	5:10:15:18	0.844	A2,A3,E3,G3
X			
N			
N			
N			
O			
X			
	-	-	-

4-169	5:12:9:18	0.9	A2,C3,G2,G3
X			
N			
O			
N			
O			
X			
	-	-	-

4-170	5:12:14:18	0.821	A2,C3,D#3,G3						
X									
N						O			
N						O			
N							O		
O									
X									
		-		-		-			-

4-171	5:12:14:20	0.81	A2,C3,D#3,A4						
X									
N							O		
N						O			
N							O		
O									
X									
		-		-		-			-

4-172	5:12:15:18	0.811	A2,C3,E3,G3						
X									
N						O			
N							O		
N								O	
O									
X									
		-		-		-			-

4-173	5:12:15:20	0.8	A2,C3,E3,A4						
X									
N							O		
N						O			
N							O		
O									
X									
		-		-		-			-

4-174	5:12:18:20	0.778	A2,C3,G3,A4						
X									
N							O		
N								O	
N							O		O
O									
X									
		-		-		-			-

4-175	10:25:28:40	0.401	A2,C#3,D#3,A4	25:28~9/8
X				
N				
N				
N				
O				
X				
		-	-	-

4-176	5:6:10:10	1.133	B2,D2,B3,B3	
X				
O				
N				
O				
N				
X				
		-	-	-

4-177	5:6:10:12	1.1	B2,D2,B3,D3	
X				
N				
N				
O				
N				
X				
		-	-	-

4-178	12:15:20:24	0.483	B2,D#2,G#2,B3	
X				
O				
N				
N				
N				
X				
		-	-	-

4-179	7:10:14:14	0.771	B2,F2,B3,B3	
X				
O				
N				
N				
N				
X				
		-	-	-

[illegible][illegible][illegible]

4-183	12:15:20:30	0.467	C2,E2,A3,E3
X			
N		O	
N	O		
N	O		
N		O	
X			

[illegible]

4-185	5:6:9:9	1.178	C#2,E2,B3,B3								
X											
O											
N			O								
N	O										
N		O									
X											
		-		-		-		-			-

4-186	5:6:9:10	1.156	C#2,E2,B3,C#3								
X											
N	O										
N		O									
N	O										
N		O									
X											
		-		-		-		-			-

4-187	5:6:9:12	1.122	C#2,E2,B3,E3								
X											
N			O								
N		O									
N	O										
N		O									
X											
		-		-		-		-			-

4-188	10:15:18:18	0.556	C#2,G#2,B3,B3								
X											
O											
N		O									
N				O							
N		O									
X											
		-		-		-		-			-

4-189	10:15:18:24	0.528	C#2,G#2,B3,E3								
X											
N			O								
N		O									
N				O							
N		O									
X											
		-		-		-		-			-

4-190	10:15:20:18	0.544	C#2,G#2,C#3,B3						
X									
O									
N					O				
N					O				
N			O						
X									
		-		-		-		-	

4-191	10:15:20:24	0.517	C#2,G#2,C#3,E3						
X									
N				O					
N					O				
N					O				
N			O						
X									
		-		-		-		-	

4-192	3:3:5:5	2.133	D2,D2,B3,B3						
X									
O									
N			O						
O									
N				O					
X									
		-		-		-		-	

4-193	3:3:5:6	2.067	D2,D2,B3,D3						
X									
N		O							
N			O						
O									
N				O					
X									
		-		-		-		-	

4-194	6:6:10:15	1.0	D2,D2,B3,F#3						
X									
N						O			
N			O						
O									
N				O					
X									
		-		-		-		-	

4-195	3:3:6:5	2.067	D2,D2,D3,B3				
X							
O							
N					O		
O							
N				O			
X							
	-	-	-	-			-

4-196	9:10:12:15	0.722	D2,E2,G2,B3				
X							
O							
O							
N	O						
N				O			
X							
	-	-	-	-			-

4-197	9:10:12:18	0.7	D2,E2,G2,D3				
X							
N		O					
O							
N	O						
N				O			
X							
	-	-	-	-			-

4-198	9:10:15:15	0.689	D2,E2,B3,B3				
X							
O							
N			O				
N	O						
N				O			
X							
	-	-	-	-			-

4-199	9:10:15:18	0.667	D2,E2,B3,D3				
X							
N		O					
N			O				
N	O						
N				O			
X							
	-	-	-	-			-

4-200	12:15:20:20	0.5	D2,F#2,B3,B3						
X									
O									
N			O						
N			O						
N				O					
X									
		-		-		-		-	

4-201	12:15:20:24	0.483	D2,F#2,B3,D3						
X									
N			O						
N				O					
N				O					
N					O				
X									
		-		-		-		-	

4-202	12:15:20:30	0.467	D2,F#2,B3,F#3						
X									
N						O			
N				O					
N				O					
N					O				
X									
		-		-		-		-	

4-203	12:15:24:20	0.483	D2,F#2,D3,B3						
X									
O									
N						O			
N				O					
N					O				
X									
		-		-		-		-	

4-204	15:20:24:24	0.4	D#2,G#2,B3,B3						
X									
O									
N			O						
N					O				
N					O				
X									
		-		-		-		-	

4-205	7:10:12:14	0.795	D#2,A3,C3,D#3						
X									
N			O						
N				O					
N					O				
N					O				
X									
		-		-		-		-	

4-206	10:15:20:24	0.517	D#2,A#3,D#3,F#3						
X									
N					O				
N						O			
N						O			
N					O				
X									
		-		-		-		-	

4-207	10:9:12:15	0.722	E2,D2,G2,B3						
X									
O									
O									
O									
N					O				
X									
		-		-		-		-	

4-208	10:9:12:24	0.672	E2,D2,G2,G3						
X									
N						O			
O									
O									
N					O				
X									
		-		-		-		-	

4-209	10:9:15:15	0.689	E2,D2,B3,B3						
X									
O									
N			O						
O									
N					O				
X									
		-		-		-		-	

[illegible][illegible][illegible][illegible]

4-214	5:6:6:12	1.233	E2,G2,G2,G3				
X							
N						O	
O							
N			O				
N				O			
X							

4-215	10:12:15:15	0.633	E2,G2,B3,B3							
X										
O										
N				O						
N					O					
N						O				
X										
		-		-		-		-		-

4-216	10:12:18:15	0.611	E2,G2,D3,B3							
X										
O										
N						O				
N				O						
N						O				
X										
		-		-		-		-		-

4-217	5:6:9:10	1.156	E2,G2,D3,E3							
X										
N				O						
N						O				
N				O						
N						O				
X										
		-		-		-		-		-

4-218	5:6:9:12	1.122	E2,G2,D3,G3							
X										
N							O			
N						O				
N				O						
N						O				
X										
		-		-		-		-		-

4-219	12:15:20:18	0.511	E2,G#2,C#3,B3							
X										
O										
N					O					
N					O					
N						O				
X										
		-		-		-		-		-

4-220	12:15:20:24	0.483	E2,G#2,C#3,E3						
X									
N				O					
N					O				
N					O				
N						O			
X									
		-		-		-		-	

4-221	12:15:20:30	0.467	E2,G#2,C#3,G#3						
X									
N							O		
N					O				
N					O				
N						O			
X									
		-		-		-		-	

4-222	15:20:18:30	0.411	E2,A3,G2,E3						
X									
N				O					
O									
N						O			
N						O			
X									
		-		-		-		-	

4-223	15:20:18:36	0.4	E2,A3,G2,G3						
X									
N							O		
O									
N						O			
N						O			
X									
		-		-		-		-	

4-224	6:8:9:12	0.972	E2,A3,B3,E3						
X									
N				O					
N									
N			O						
N						O			
X						O			
		-		-		-		-	

4-225	5:7:6:10	1.219	E2,A#3,G2,E3				
X							
N				O			
O							
N					O		
N					O		
X							
		-	-	-	-		-

4-226	5:7:6:12	1.186	E2,A#3,G2,G3				
X							
N					O		
O					O		
N					O		
N					O		
X							
		-	-	-	-		-

4-227	5:7:9:10	1.108	E2,A#3,D3,E3				
X							
N				O			
N					O		
N					O		
N					O		
X							
		-	-	-	-		-

4-228	5:7:9:12	1.075	E2,A#3,D3,G3				
X							
N					O		
N					O		
N					O		
N					O		
X							
		-	-	-	-		-

4-229	5:7:10:12	1.052	E2,A#3,E3,G3				
X							
N					O		
N					O	O	
N					O		
N				O			
X							
		-	-	-	-		-

4-230	10:15:12:15	0.633	E2,B3,G2,B3			
X						
O						
O						
N						
N						
X						
		-	-	-	-	-

4-231	10:15:12:24	0.583	E2,B3,G2,G3			
X						
N						
O						
N						
N						
X						
		-	-	-	-	-

4-232	6:9:10:9	0.978	E2,B3,C#3,B3			
X						
O						
N						
N						
N						
X						
		-	-	-	-	-

4-233	6:9:10:15	0.889	E2,B3,C#3,G#3			
X						
N						
N						
N						
N						
X						
		-	-	-	-	-

4-234	10:15:18:15	0.578	E2,B3,D3,B3			
X						
O						
N						
N						
N						
X						
		-	-	-	-	-

4-235	10:15:18:24	0.528	E2,B3,D3,G3			
X						
N					O	
N					O	
N						O
N					O	
X						
	-	-	-	-		-

4-236	10:15:20:24	0.517	E2,B3,E3,G3			
X						
N					O	
N						O
N						O
N				O		
X						
	-	-	-	-		-

4-237	12:14:21:24	0.488	F2,G#2,D#3,F3			
X						
N				O		
N					O	
N				O		
N					O	
X						
	-	-	-	-		-

4-238	12:14:21:28	0.476	F2,G#2,D#3,G#3			
X						
N						O
N					O	
N			O			
N					O	
X						
	-	-	-	-		-

4-239	5:7:10:7	1.171	F2,B3,F3,B3			
X						
O						O
N						O
N					O	
N						
X						
	-	-	-	-		-

4-240	15:12:24:20	0.483	F#2,D2,D3,B3					
X								
O								
N								
O								
N								
X								
		-		-		-		-

4-241	15:12:30:20	0.467	F#2,D2,F#3,B3					
X								
O								
N								
O								
N								
X								
		-		-		-		-

4-242	15:12:30:40	0.417	F#2,D2,F#3,B4					
X								
N								
N								
O								
N								
X								
		-		-		-		-

4-243	12:15:20:24	0.483	F#2,A#3,D#3,F#3					
X								
N								
N								
N								
N								
X								
		-		-		-		-

4-244	12:15:20:30	0.467	F#2,A#3,D#3,A#4					
X								
N								
N								
N								
N								
X								
		-		-		-		-

4-245	15:20:24:20	0.417	F#2,B3,D3,B3			
X						
O						
N			O			
N				O		
N				O		
X						
	-	-	-	-		-

4-246	6:10:10:15	0.867	D2,B3,B3,F#3			
N	O					
O						
N		O				
O						
X						
X						
	-	-	-	-		-

4-247	3:5:5:10	1.667	D2,B3,B3,B4			
N			O			
O						
N		O				
O						
X						
X						
	-	-	-	-		-

4-248	6:10:12:15	0.833	D2,B3,D3,F#3			
N	O					
N		O				
N			O			
O						
X						
X						
	-	-	-	-		-

4-249	6:10:15:20	0.767	D2,B3,F#3,B4			
N			O			
N			O			
N		O				
O						
X						
X						
	-	-	-	-		-

4-250	3:6:5:10	1.6	D2,D3,B3,B4								
N						O					
O											
N						O					
O											
X											
X											
		-		-		-		-			-

4-251	3:6:5:12	1.567	D2,D3,B3,D4								
N								O			
O											
N						O					
O											
X											
X											
		-		-		-		-			-

4-252	6:12:15:20	0.733	D2,D3,F#3,B4								
N						O					
N						O					
N						O					
O											
X											
X											
		-		-		-		-			-

4-253	6:15:10:24	0.75	D2,F#3,B3,D4								
N								O			
O										O	
N											
O											
X											
X											
		-		-		-		-			-

4-254	6:15:20:24	0.65	D2,F#3,B4,D4								
N								O			O
N										O	
N											
O											
X											
X											
		-		-		-		-			-

4-255	10:12:15:20	0.6	E2,G2,B3,E3								
O											
O											
O											
N	O										
X											
X											
		-		-		-		-			-

4-256	10:12:15:24	0.583	E2,G2,B3,G3								
N		O									
O											
O											
N	O										
X											
X											
		-		-		-		-			-

4-257	5:6:9:10	1.156	E2,G2,D3,E3								
O											
N		O									
O											
N	O										
X											
X											
		-		-		-		-			-

4-258	5:6:9:12	1.122	E2,G2,D3,G3								
N		O									
N		O									
O											
N	O										
X											
X											
		-		-		-		-			-

4-259	5:6:10:10	1.133	E2,G2,E3,E3								
O											
N				O							
O											
N	O										
X											
X											
		-		-		-		-			-

4-260	5:6:10:12	1.1	E2,G2,E3,G3								
N			O								
N				O							
O											
N	O										
X											
X											
			-	-	-	-					-

4-261	12:15:20:24	0.483	E2,G#2,C#3,E3								
O											
N		O									
N	O										
N		O									
X											
X											
			-	-	-	-					-

4-262	12:15:20:30	0.467	E2,G#2,C#3,G#3								
N			O								
N		O									
N	O										
N		O									
X											
X											
			-	-	-	-					-

4-263	5:7:9:10	1.108	E2,A#3,D3,E3								
O											
N			O								
N			O								
N	O										
X											
X											
			-	-	-	-					-

4-264	5:7:9:12	1.075	E2,A#3,D3,G3								
N			O								
N			O								
N			O								
N	O										
X											
X											
			-	-	-	-					-

4-265	10:15:15:24	0.55	E2,B3,B3,G3								
N		O									
O											
N			O								
N	O										
X											
X											
		-		-		-		-			-

4-266	6:9:10:12	0.922	E2,B3,C#3,E3								
O											
N	O										
N			O								
N	O										
X											
X											
		-		-		-		-			-

4-267	6:9:10:15	0.889	E2,B3,C#3,G#3								
N			O								
N	O										
N			O								
N	O										
X											
X											
		-		-		-		-			-

4-268	10:15:18:20	0.544	E2,B3,D3,E3								
O											
N		O									
N			O								
N	O										
X											
X											
		-		-		-		-			-

4-269	10:15:18:24	0.528	E2,B3,D3,G3								
N		O									
N		O									
N			O								
N	O										
X											
X											
		-		-		-		-			-

4-270	10:15:20:24	0.517	E2,B3,E3,G3								
N			O								
N				O							
N											
N		O									
X											
X											
			-		-		-		-		-

4-271	6:7:9:12	1.008	F2,G#2,C3,F3								
N	O										
N	O										
N	O										
N			O								
X											
X											
			-		-		-		-		-

4-272	12:14:21:24	0.488	F2,G#2,D#3,F3								
N	O			O							
N				O							
N	O										
N			O								
X											
X											
			-		-		-		-		-

4-273	12:14:21:28	0.476	F2,G#2,D#3,G#3								
N				O							
N				O							
N	O										
N			O								
X											
X											
			-		-		-		-		-

4-274	5:7:7:10	1.171	F2,B3,B3,F3								
N	O										
O											
N				O							
N			O								
X											
X											
			-		-		-		-		-

4-275	12:15:20:24	0.483	F#2,A#3,D#3,F#3								
N	O										
N			O								
N		O									
N			O								
X											
X											
		-		-		-		-			-

4-276	12:15:20:30	0.467	F#2,A#3,D#3,A#4								
N				O							
N			O								
N		O									
N			O								
X											
X											
		-		-		-		-			-

4-277	12:12:15:20	0.567	G2,G2,B3,E3								
O											
O											
O											
N				O							
X											
X											
		-		-		-		-			-

4-278	6:6:9:10	1.089	G2,G2,D3,E3								
O											
N		O									
O											
N				O							
X											
X											
		-		-		-		-			-

4-279	3:3:5:5	2.133	G2,G2,E3,E3								
O											
N				O							
O											
N				O							
X											
X											
		-		-		-		-			-

4-280	3:3:5:6	2.067	G2,G2,E3,G3							
N		O								
N			O							
O										
N			O							
X										
X										
		-	-	-	-					-

4-281	3:3:5:7	2.019	G2,G2,E3,A#4							
N			O							
N			O							
O										
N			O							
X										
X										
		-	-	-	-					-

4-282	6:6:10:15	1.0	G2,G2,E3,B4							
N			O							
N			O							
O										
N			O							
X										
X										
		-	-	-	-					-

4-283	3:3:6:5	2.067	G2,G2,G3,E3							
O										
N						O				
O										
N			O							
X										
X										
		-	-	-	-					-

4-284	3:3:6:7	1.952	G2,G2,G3,A#4							
N			O							
N						O				
O										
N			O							
X										
X										
		-	-	-	-					-

4-285	9:10:15:15	0.689	G2,A3,E3,E3						
O									
N				O					
N	O								
N				O					
X									
X									
		-		-		-		-	

4-286	9:10:15:18	0.667	G2,A3,E3,G3						
N			O						
N				O					
N	O								
N				O					
X									
X									
		-		-		-		-	

4-287	6:7:9:10	1.041	G2,A#3,D3,E3						
O									
N			O						
N			O						
N				O					
X									
X									
		-		-		-		-	

4-288	6:7:9:12	1.008	G2,A#3,D3,G3						
N			O						
N			O						
N			O						
N				O					
X									
X									
		-		-		-		-	

4-289	6:7:10:10	1.019	G2,A#3,E3,E3						
O									
N				O					
N			O						
N				O					
X									
X									
		-		-		-		-	

4-290	6:7:10:12	0.986	G2,A#3,E3,G3								
N		O									
N			O								
N		O									
N			O								
X											
X											
		-		-		-		-			-

4-291	6:7:10:14	0.962	G2,A#3,E3,A#4								
N				O							
N				O							
N		O									
N			O								
X											
X											
		-		-		-		-			-

4-292	12:15:15:20	0.533	G2,B3,B3,E3								
O											
O											
N			O								
N				O							
X											
X											
		-		-		-		-			-

4-293	12:15:18:20	0.511	G2,B3,D3,E3								
O											
N		O									
N			O								
N				O							
X											
X											
		-		-		-		-			-

4-294	12:15:20:20	0.5	G2,B3,E3,E3								
O											
N				O							
N			O								
N				O							
X											
X											
		-		-		-		-			-

4-295	12:15:20:24	0.483	G2,B3,E3,G3			
N		O				
N			O			
N		O				
N			O			
X						
X						
	-	-	-	-		-

4-296	12:15:20:30	0.467	G2,B3,E3,B4			
N			O			
N			O			
N		O				
N			O			
X						
X						
	-	-	-	-		-

4-297	12:18:15:20	0.511	G2,D3,B3,E3			
O						
O						
N			O			
N			O			
X						
X						
	-	-	-	-		-

4-298	6:9:10:10	0.956	G2,D3,E3,E3			
O						
N			O			
N			O			
N			O			
X						
X						
	-	-	-	-		-

4-299	6:9:10:15	0.889	G2,D3,E3,B4			
N			O			
N			O			
N			O			
N			O			
X						
X						
	-	-	-	-		-

4-300	6:9:12:10	0.922	G2,D3,G3,E3								
O											
N								O			
N								O			
N				O							
X											
X											
		-		-		-		-			-
4-301	5:6:6:10	1.267	G#2,B3,B3,G#3								
N				O							
O											
N				O							
N					O						
X											
X											
		-		-		-		-			-
4-302	5:6:6:12	1.233	G#2,B3,B3,B4								
N								O			
O											
N				O							
N					O						
X											
X											
		-		-		-		-			-
4-303	10:12:15:20	0.6	G#2,B3,D#3,G#3								
N				O							
N				O							
N				O							
N					O						
X											
X											
		-		-		-		-			-
4-304	10:12:15:24	0.583	G#2,B3,D#3,B4								
N								O			
N				O							
N				O							
N					O						
X											
X											
		-		-		-		-			-

4-305	1.156	5:6:9:10	G#2,B3,F#3,G#3								
N			O								
N						O					
N			O								
N					O						
X											
X											
		-		-		-		-			-

4-306	5:6:9:12	1.122	G#2,B3,F#3,B4								
N						O					
N						O					
N			O								
N					O						
X											
X											
		-		-		-		-			-

4-307	15:20:18:24	0.428	G#2,C#3,B3,E3								
O											
O											
N					O						
N					O						
X											
X											
		-		-		-		-			-

4-308	15:20:18:30	0.411	G#2,C#3,B3,G#3								
N			O								
O											
N					O						
N					O						
X											
X											
		-		-		-		-			-

4-309	15:20:18:36	0.4	G#2,C#3,B3,B4								
N						O					
O											
N					O						
N					O						
X											
X											
		-		-		-		-			-

4-310	15:20:24:24	0.4	G#2,C#3,E3,E3						
O									
N				O					
N					O				
N					O				
X									
X									
		-		-		-		-	

4-311	10:15:12:24	0.583	G#2,D#3,B3,B4						
N						O			
O						O			
N							O		
N					O				
X									
X									
		-		-		-		-	

4-312	10:15:18:24	0.528	G#2,D#3,F#3,B4						
N						O			
N						O			
N							O		
N					O				
X									
X									
		-		-		-		-	

4-313	10:15:20:24	0.517	G#2,D#3,G#3,B4						
N						O			
N								O	
N							O		
N					O				
X									
X									
		-		-		-		-	

4-314	10:9:15:15	0.689	A3,G2,E3,E3						
O									
N				O					
O									
N						O			
X									
X									
		-		-		-		-	

4-315	10:9:15:24	0.639	A3,G2,E3,C4			
N					O	
N				O		
O						
N					O	
X						
X						
	-	-	-	-		-

4-316	10:9:18:15	0.667	A3,G2,G3,E3			
O						
N					O	
O						
N				O		
X						
X						
	-	-	-	-		-

4-317	10:9:18:24	0.617	A3,G2,G3,C4			
N					O	
N					O	
O						
N				O		
X						
X						
	-	-	-	-		-

4-318	10:12:15:15	0.633	A3,C3,E3,E3			
O						
N			O			
N			O			
N				O		
X						
X						
	-	-	-	-		-

4-319	10:12:15:20	0.6	A3,C3,E3,A4			
N				O		
N				O		
N				O		
N					O	
X						
X						
	-	-	-	-		-

4-320	10:12:15:24	0.583	A3,C3,E3,C4							
N							O			
N				O						
N				O						
N						O				
X										
X										
		-		-		-		-		-

4-321	10:12:18:15	0.611	A3,C3,G3,E3							
O										
N							O			
N				O						
N						O				
X										
X										
		-		-		-		-		-

4-322	5:6:9:10	1.156	A3,C3,G3,A4							
N				O						
N							O			
N				O						
N						O				
X										
X										
		-		-		-		-		-

4-323	5:6:9:12	1.122	A3,C3,G3,C4							
N							O			
N							O			
N				O						
N						O				
X										
X										
		-		-		-		-		-

4-324	5:7:9:10	1.108	A3,D#3,G3,A4							
N				O						
N							O			
N							O			
N						O				
X										
X										
		-		-		-		-		-

4-325	5:7:9:12	1.075	A3,D#3,G3,C4				
N						O	
N						O	
N						O	
N					O		
X							
X							
	-	-	-	-			-

4-326	10:15:18:15	0.578	A3,E3,G3,E3				
O							
N						O	
N							O
N					O		
X							
X							
	-	-	-	-			-

4-327	10:15:18:24	0.528	A3,E3,G3,C4				
N						O	
N						O	
N							O
N					O		
X							
X							
	-	-	-	-			-

4-328	10:15:20:24	0.517	A3,E3,A4,C4				
N						O	
N							O
N							O
N					O		
X							
X							
	-	-	-	-			-

4-329	7:6:10:10	1.019	A#3,G2,E3,E3				
O							
N			O				
O							
N					O		
X							
X							
	-	-	-	-			-

4-330	7:6:10:14	0.962	A#3,G2,E3,A#4							
N			O							
N		O								
O										
N						O				
X										
X										
		-	-	-	-					-

4-331	7:6:12:10	0.986	A#3,G2,G3,E3							
O										
N						O				
O										
N						O				
X										
X										
		-	-	-	-					-

4-332	7:6:12:14	0.929	A#3,G2,G3,A#4							
N			O							
N						O				
O										
N						O				
X										
X										
		-	-	-	-					-

4-333	7:6:14:10	0.962	A#3,G2,A#4,E3							
O										
N									O	
O										
N						O				
X										
X										
		-	-	-	-					-

4-334	7:9:10:10	0.908	A#3,D3,E3,E3							
O										
N		O								
N				O						
N						O				
X										
X										
		-	-	-	-					-

4-335	7:9:12:10	0.875	A#3,D3,G3,E3			
O						
N					O	
N					O	
N					O	
X						
X						
	-	-	-	-		-

4-336	7:10:12:10	0.852	A#3,E3,G3,E3			
O						
N					O	
N					O	
N					O	
X						
X						
	-	-	-	-		-

4-337	7:10:12:14	0.795	A#3,E3,G3,A#4			
N				O		
N					O	
N					O	
N					O	
X						
X						
	-	-	-	-		-

4-338	7:10:14:10	0.829	A#3,E3,A#4,E3			
O						O
N					O	
N				O		
N						
X						
X						
	-	-	-	-		-

4-339	15:12:15:20	0.533	B3,G2,B3,E3			
O						
O						
O						
N					O	
X						
X						
	-	-	-	-		-

4-345	9:10:9:18	0.756	B3,C#3,B3,B4			
N					O	
O						
N				O		
N						O
X						
X						
	-	-	-	-		-

4-346	9:10:15:12	0.722	B3,C#3,G#3,E3			
O						
N						O
N				O		
N						O
X						
X						
	-	-	-	-		-

4-347	9:10:15:18	0.667	B3,C#3,G#3,B4			
N					O	
N						O
N				O		
N						O
X						
X						
	-	-	-	-		-

4-348	15:18:15:20	0.478	B3,D3,B3,E3			
O						
O						
N					O	
N						O
X						
X						
	-	-	-	-		-

4-349	5:6:5:10	1.333	B3,D3,B3,B4			
N					O	
O						
N					O	
N						O
X						
X						
	-	-	-	-		-

4-350	5:6:5:12	1.3	B3,D3,B3,D4									
N										O		
O												
N							O					
N									O			
X												
X												
			-		-		-		-			-

4-351	10:12:15:20	0.6	B3,D3,F#3,B4									
N						O						
N						O						
N						O						
N								O				
X												
X												
			-		-		-		-			-

4-352	10:12:15:24	0.583	B3,D3,F#3,D4									
N									O			
N						O						
N						O						
N								O				
X												
X												
			-		-		-		-			-

4-353	15:18:24:20	0.428	B3,D3,G3,E3									
O							O					
N							O					
N						O						
N								O				
X												
X												
			-		-		-		-			-

4-354	12:15:20:24	0.483	B3,D#3,G#3,B4									
N						O						
N								O				
N							O					
N								O				
X												
X												
			-		-		-		-			-

4-355	12:15:20:30	0.467	B3,D#3,G#3,D#4	
N				O
N				O
N			O	
N			O	
X				
X				
	-	-	-	-

4-356	15:20:15:36	0.422	B3,E3,B3,D4	
N				O
O				
N			O	
N			O	
X				
X				
	-	-	-	-

4-357	15:20:24:20	0.417	B3,E3,G3,E3	
O			O	
N			O	
N			O	
N			O	
X				
X				
	-	-	-	-

4-358	7:10:7:14	0.914	B3,F3,B3,B4	
N			O	
O				
N				O
N			O	
X				
X				
	-	-	-	-

4-359	14:20:14:35	0.443	B3,F3,B3,D#4	
N				O
O				
N			O	O
N			O	
X				
X				
	-	-	-	-

4-360	10:15:10:24	0.617	B3,F#3,B3,D4								
N									O		
O										O	
N											
N								O			
X											
X											
		-		-		-		-			-

4-361	6:9:10:15	0.889	B3,F#3,G#3,D#4								
N										O	
N								O			
N										O	
N								O			
X											
X											
		-		-		-		-			-

4-362	10:15:20:24	0.517	B3,F#3,B4,D4								
N									O		
N											O
N										O	
N								O			
X											
X											
		-		-		-		-			-

4-363	15:24:15:20	0.45	B3,G3,B3,E3								
O											
O											
N											O
N								O			
X											
X											
		-		-		-		-			-

4-364	15:24:15:40	0.4	B3,G3,B3,E4								
N											O
O											
N											O
N								O			
X											
X											
		-		-		-		-			-

4-365	6:7:9:12	1.008	C3,D#3,G3,C4								
N							O				
N							O				
N							O				
N									O		
X											
X											
		-		-		-		-			-

4-366	6:7:10:12	0.986	C3,D#3,A4,C4								
N							O				
N							O		O		
N							O		O		
N									O		
X											
X											
		-		-		-		-			-

4-367	6:7:10:14	0.962	C3,D#3,A4,D#4								
N									O		
N								O	O		
N						O		O			
N								O			
X											
X											
		-		-		-		-			-

4-368	12:14:21:24	0.488	C3,D#3,A#4,C4								
N							O				
N							O		O		
N							O				
N								O			
X											
X											
		-		-		-		-			-

4-369	12:14:21:28	0.476	C3,D#3,A#4,D#4								
N									O		
N									O		
N						O					
N								O			
X											
X											
		-		-		-		-			-

4-370	12:15:20:15	0.533	C3,E3,A4,E3								
O											
N									O		
N								O			
N								O			
X											
X											
		-		-		-		-			-
4-371	12:15:20:24	0.483	C3,E3,A4,C4								
N							O				
N							O		O		
N							O				
N							O		O		
X											
X											
		-		-		-		-			-
4-372	12:15:20:30	0.467	C3,E3,A4,E4								
N											O
N									O		
N							O				
N							O		O		
X											
X											
		-		-		-		-			-
4-373	12:18:20:15	0.511	C3,G3,A4,E3								
O											
N									O		
N											O
N									O		
X											
X											
		-		-		-		-			-
4-374	6:9:10:15	0.889	C3,G3,A4,E4								
N											O
N									O		
N											O
N									O		
X											
X											
		-		-		-		-			-

Chapter Four

Nine Strongly Rooted Chords

The first three chords here have an overall strength value greater than 0.75 (and are strongly rooted) so they are lush chords. I missed them when I compiled the list of chords for the Lush book. The other six chords are strongly rooted but not lush because they have an overall strength value less than 0.75.

[illegible]

B2	4:5:8:10:12	1.517	B2,D#2,B3,D#3,F#3						
X									
N					O				
N						O			
N							O		
N					O				
N						O			

[illegible]

A2	9:8:18:24	0.667	B2,A2,B3,E3									
X												
X												
N									O			
N									O			
O												
N							O					
			-		-		-		-			-

A2	12:16:32:36:45	0.454	E1,A2,A3,B3,D#3									
X												
N				O								
N				O								
N						O						
O												
O												
			-		-		-		-			-

A2	12:16:32:45:36	0.454	E1,A2,A3,D#3,B3									
X												
O												
N							O					
N						O						
O												
O												
			-		-		-		-			-

A2	12:16:32:40:45	0.449	E1,A2,A3,C#3,D#3									
X												
N				O								
N						O						
N							O					
O												
O												
			-		-		-		-			-

A2	12:16:40:45:36	0.442	E1,A2,C#3,D#3,B3									
X												
O												
N							O					
N										O		
O												
O												
			-		-		-		-			-

A2	12:16:36:45:36	0.447	E1,A2,B3,D#3,B3		
X					
O					
N				O	
N					O
O					
O					
	-	-	-	-	-

Afterword

For any programmers reading this it would be great to have a programme where you could enter the notes for the melodic base (described in the lush book) and all of the good chords whose notes belong to the melodic base would be listed. If I am right then every possible chord progression, using only the chords listed, should be good.

For my next book I intend to choose a melodic base in Eagle 53 and list the sweeter chords that can be found in it. Then I'll play these chords on my Eagle 53 guitar and see if my idea is sound.

www.johnsmusic7.com

www.johnsmusic7.com/eagle45.html

www.facebook.com/groups/eagletuning

John O'Sullivan

26th January, 2021

Notes