

Eagle 53 Jazz Chords

More Chords for
Eagle 53 Tuned
Instruments

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To Noel and Carol

Introduction

Eagle 53 is an alternative 12 notes per octave musical tuning. Compared with the standard Western tuning, 12 Tone Equal Temperament, some notes are higher than usual and others are lower. Many chords are more in tune and some new and exotic chords and scales occur.

In my previous book, *The Eagle 53 Pianist*, I listed 2,750 *lush* chords. A lush chord is strongly rooted and has an overall strength (or overall periodicity) of 0.75 or higher. I'll explain these terms later. There are plenty other non-lush chords that are acceptable to me. These non lush chords have overall strength values not lower than 0.4 and most of them are not strongly rooted. I call these non-lush chords *jazz chords*.

This book is essentially a sequel to *The Eagle 53 Pianist*, there are 2,999 jazz chords listed here. There is also a chapter on composing with jazz chords, the *rules* you need to follow. Note that these jazz chords are inferior to lush chords and ideally should be used only where a lush chord isn't available. So the most important (lush) chords are listed in *The Eagle 53 Pianist* and if you want to use these lush chords you'll need a copy of that book.

There is also a chapter in *The Eagle 53 Pianist* on the mathematics behind the chords and scales in Eagle 53. I don't delve too deep into the maths in this book. *The Eagle 53 Pianist* is available on Amazon (ISBN 9781838121907)

My book about how I arrived at Eagle 53 is called... *Eagle 53 My Ultimate Musical Tuning* (Third Edition ISBN 9780956649294)

For guitarists... *The Eagle 53 Guitarist Deluxe Second Edition* (ISBN 9780956649287). Note that Eagle 53 cannot be implemented on regular guitars, a special fret arrangement is required.

Chapter One

What You Need: Equipment

This chapter is copied from The Eagle 53 Pianist. If you have an acoustic piano you will need to retune it to the Eagle 53 tuning. I propose using the frequency of a standard 12 TET E note as the base frequency for Eagle 53. So E is 164.8138 Hz, or an octave higher 329.6276 Hz, or an octave higher again 659.2551 Hz and so on. With lower octaves the values are halved instead of doubled.

Below are the frequencies of Eagle 53 notes over a one octave range (between 164.81378 Hz and 329.62756 Hz)

E	164.81	Hz			
F	164.81	Hz	x	1.06758	= 175.95 Hz
F#	164.81	Hz	x	1.12491	= 185.40 Hz
G	164.81	Hz	x	1.20093	= 197.93 Hz
G#	164.81	Hz	x	1.24898	= 205.85 Hz
A	164.81	Hz	x	1.33339	= 219.76 Hz
A#	164.81	Hz	x	1.405	= 231.56 Hz
B	164.81	Hz	x	1.49994	= 247.21 Hz
C	164.81	Hz	x	1.6013	= 263.92 Hz
C#	164.81	Hz	x	1.66538	= 274.48 Hz
D	164.81	Hz	x	1.80132	= 296.88 Hz
D#	164.81	Hz	x	1.8734	= 308.76 Hz
E	164.81	Hz	x	2.0	= 329.63 Hz

For higher octave ranges multiply each result here by 2, 4, 8, 16 etc. For lower octave ranges divide each result by 2, 4, 8, 16 etc. I chose 164.81378 Hz (a standard 12TET E note) as my base frequency but you can choose any base frequency you like and multiply it in a similar fashion to the above.

Many professional piano tuners “stretch tune” pianos. If I remember correctly all intervals are tuned slightly wider than you would expect mathematically. I don’t know much about this

subject but for me, to keep things simple, I would stick with the frequencies listed above.

Most modern electric keyboards can be connected to, and controlled by, a computer. You will need to acquire a special cable, or interface, to connect your keyboard to your computer. You will also need special software to retune your keyboard. I use microsynth-mini by H-Pi Instruments which is very reasonably priced for what you get. There are versions for both Windows and Mac. I think there are some free tuning programs available on the internet.

You will need to set the tuning you want using the software you have. Here are the adjustments in cents (a cent is one hundredth of a standard 12TET semitone).

E	0.0 cents, same as usual
F	113.2 cents, 13.2 cents higher than usual
F#	203.8 cents, 3.8 cents higher than usual
G	317.0 cents, 17 cents higher than usual
G#	384.9 cents, 15.1 cents lower than usual
A	498.1 cents, 1.9 cents lower than usual
A#	588.7 cents, 11.3 cents lower than usual
B	701.9 cents, 1.9 cents higher than usual
C	815.1 cents, 15.1 cents higher than usual
C#	883.0 cents, 17 cents lower than usual
D	1018.9 cents, 18.9 cents higher than usual
D#	1086.8 cents, 13.2 cents lower than usual

If you need assistance setting up your computer and retuning your keyboard I recommend these two Facebook groups which are devoted primarily to alternatively tuned music and the theory behind it...

Microtonal Music and Tuning Theory
www.facebook.com/groups/497105067092502

The Xenharmonic Alliance
www.facebook.com/groups/xenharmonic2

Chapter Two

Mathematics

Consider two notes with frequencies 220Hz and 330Hz (Hz means waves per second). How these notes relate to each other can be written as a ratio: 220/330. Because both numbers are evenly divisible by 110 the 220/330 ratio can be *reduced* to 2/3. 2 and 3 are small numbers and, in general, the smaller the numbers in a musical ratio the sweeter the sound. These musical ratios are called *intervals*, the distances between two notes. These intervals are usually written so that the numerator (left hand side) is equal to or greater than the denominator (right hand side).

I have a formula for the strength values of just (pure) intervals. For any just interval x/y where x and y are integers the formula is $2/x + 2/y$. In a harmony context (two notes played simultaneously) if the strength value is 0.4 or higher then, for me, the interval is good. In a melody context if the strength value is 0.2 or higher then, for me, the interval is good.

Here is a list of just (pure) intervals that I consider to be good in harmony (two notes played simultaneously). The ratios on the left are just intervals. The numbers in the middle column are the widths of the intervals in cents. The numbers on the right are the strength values of the intervals. These are all ≥ 0.4 .

1/1	=	0.0	cents	4.00
10/9	=	182.404	cents	0.42
9/8	=	203.91	cents	0.47
8/7	=	231.174	cents	0.54
7/6	=	266.871	cents	0.62
6/5	=	315.641	cents	0.73
11/9	=	347.408	cents	0.40
5/4	=	386.314	cents	0.90
9/7	=	435.084	cents	0.51
4/3	=	498.045	cents	1.17
11/8	=	551.318	cents	0.43
7/5	=	582.512	cents	0.69
10/7	=	617.488	cents	0.49
3/2	=	701.955	cents	1.67
11/7	=	782.492	cents	0.47
8/5	=	813.686	cents	0.65
13/8	=	840.528	cents	0.40
5/3	=	884.359	cents	1.07
12/7	=	933.129	cents	0.45
7/4	=	968.826	cents	0.79

9/5	=	1017.6	cents	0.62
11/6	=	1049.36	cents	0.52
13/7	=	1071.7	cents	0.44
2/1	=	1200	cents	3.00
15/7	=	1319.44	cents	0.42
13/6	=	1338.57	cents	0.49
11/5	=	1365	cents	0.58
9/4	=	1403.91	cents	0.72
16/7	=	1431.17	cents	0.41
7/3	=	1466.87	cents	0.95
12/5	=	1515.64	cents	0.57
17/7	=	1536.13	cents	0.40
5/2	=	1586.31	cents	1.40
13/5	=	1654.21	cents	0.55
8/3	=	1698.04	cents	0.92
11/4	=	1751.32	cents	0.68
14/5	=	1782.51	cents	0.54
17/6	=	1803	cents	0.45
3/1	=	1901.96	cents	2.67
19/6	=	1995.56	cents	0.44

16/5	=	2013.69 cents	0.53
13/4	=	2040.53 cents	0.65
10/3	=	2084.36 cents	0.87
17/5	=	2118.64 cents	0.52
7/2	=	2168.83 cents	1.29
18/5	=	2217.6 cents	0.51
11/3	=	2249.36 cents	0.85
15/4	=	2288.27 cents	0.63
19/5	=	2311.2 cents	0.51
23/6	=	2326.32 cents	0.42
4/1	=	2400 cents	2.50

Here is my list of good melodic intervals over a one octave range. The ratios on the left are just intervals. The numbers in the middle are the strength values of the intervals using my $2/n + 2/d$ formula (these are all ≥ 0.2). The numbers on the right are the widths of the intervals in cents. I won't use melodic intervals with a strength value less than 0.2. For intervals in a harmony (not melody) context my cut off point is different: 0.4 instead of 0.2.

1/1	4	0.0000
20/19	0.2053	88.8007
19/18	0.2164	93.6030
18/17	0.2288	98.9546
17/16	0.2426	104.9554
16/15	0.2583	111.7313
15/14	0.2762	119.4428
14/13	0.2967	128.2982
13/12	0.3205	138.5727
12/11	0.3485	150.6371
11/10	0.3818	165.0042
21/19	0.2005	173.2679
10/9	0.4222	182.4037
19/17	0.2229	192.5576
9/8	0.4722	203.9100
17/15	0.2510	216.6867
8/7	0.5357	231.1741
15/13	0.2872	247.7411
7/6	0.6190	266.8709
20/17	0.2176	281.3583
13/11	0.3357	289.2097
19/16	0.2303	297.5130
6/5	0.7333	315.6413
17/14	0.2605	336.1295
11/9	0.4040	347.4079
16/13	0.2788	359.4723
21/17	0.2129	365.8255
5/4	0.9000	386.3137
19/15	0.2386	409.2443
14/11	0.3247	417.5080
9/7	0.5079	435.0841
22/17	0.2086	446.3625
13/10	0.3538	454.2140
17/13	0.2715	464.4278
21/16	0.2202	470.7809
4/3	1.1667	498.0450
23/17	0.2046	523.3189
19/14	0.2481	528.6871
15/11	0.3152	536.9508

11/8	0.4318	551.3179
18/13	0.2650	563.3823
7/5	0.6857	582.5122
24/17	0.2010	596.9996
17/12	0.2843	603.0004
10/7	0.4857	617.4878
23/16	0.2120	628.2744
13/9	0.3761	636.6177
16/11	0.3068	648.6821
19/13	0.2591	656.9854
22/15	0.2242	663.0492
3/2	1.6667	701.9550
23/15	0.2203	740.0056
20/13	0.2538	745.7861
17/11	0.2995	753.6375
14/9	0.3651	764.9159
25/16	0.2050	772.6274
11/7	0.4675	782.4920
19/12	0.2719	795.5580
8/5	0.6500	813.6863
21/13	0.2491	830.2533
13/8	0.4038	840.5277
18/11	0.2929	852.5921
23/14	0.2298	859.4484
5/3	1.0667	884.3587
22/13	0.2448	910.7903
17/10	0.3176	918.6417
12/7	0.4524	933.1291
19/11	0.2871	946.1951
26/15	0.2103	952.2590
7/4	0.7857	968.8259
23/13	0.2408	987.7467
16/9	0.3472	996.0900
25/14	0.2229	1003.8015
9/5	0.6222	1017.5963
20/11	0.2818	1034.9958
11/6	0.5152	1049.3629
24/13	0.2372	1061.4273
13/7	0.4396	1071.7018

28/15	0.2048	1080.5572
15/8	0.3833	1088.2687
17/9	0.3399	1101.0454
19/10	0.3053	1111.1993
21/11	0.2771	1119.4630
23/12	0.2536	1126.3193
25/13	0.2338	1132.0998
27/14	0.2169	1137.0391
29/15	0.2023	1141.3085
2/1	3.0000	1200.0000

Here are the notes and their cent values that occur in the chords. The middle column is the distance in cents from the lowest note, E1.

1	0	E1
2	113	F1
3	204	F#1
4	317	G1
5	385	G#1
6	498	A2
7	589	A#2
8	702	B2
9	815	C2
10	883	C#2
11	1019	D2
12	1087	D#2
13	1200	E2
14	1313	F2
15	1404	F#2
16	1517	G2
17	1585	G#2
18	1698	A3
19	1789	A#3
20	1902	B3
21	2015	C3
22	2083	C#3
23	2219	D3

24	2287	D#3
25	2400	E3
26	2513	F3
27	2604	F#3
28	2717	G3
29	2785	G#3
30	2898	A4
31	2989	A#4
32	3102	B4
33	3215	C4
34	3283	C#4
35	3419	D4
36	3487	D#4
37	3600	E4

Here is a brief overview of Eagle 53. The ratios on the left are just notes (in relation to the tonic, 1/1). The numbers to the right of these are the Eagle 53 notes (in cents) which are close to the just notes.

1/1	0.0	just	
16/15	113.2075	sharp of just	by 1.5 cents
9/8	203.7736	flat of just	by 0.1 cents
6/5	316.9811	sharp of just	by 1.3 cents
5/4	384.9057	flat of just	by 1.4 cents
4/3	498.1132	sharp of just	by 0.1 cents
7/5	588.6792	sharp of just	by 6.2 cents
3/2	701.8868	flat of just	by 0.1 cents
8/5	815.0943	sharp of just	by 1.4 cents
5/3	883.0189	flat of just	by 1.3 cents
9/5	1018.8679	sharp of just	by 1.3 cents
15/8	1086.7925	flat of just	by 1.5 cents
2/1	1200.0	just	

There are quite a few chords listed in this book that are subsets of larger chords and many will think that these are redundant. Using my compositional “rules” sometimes a chord that is a subset of a larger chord will sound better than the larger chord, that’s why I included all the subsets of all the chords.

The notes in various chords and how their frequencies relate to each other can be represented by integers separated by colons. A just (perfectly tuned) six note major chord looks like 2:3:4:5:6:8. In the standard Western tuning, 12 Tone Equal Temperament (or 12TET for short), the 3 and the 6 turn out to be 2.997 and 5.993, very slightly out of tune. They are both out of tune by around 2 cents (a standard semitone is 100 cents wide). This slight mistuning is practically unnoticeable. The 5 however in the 2:3:4:5:6:8 chord in 12TET is noticeably out of tune with the other notes. In 12TET it is 5.04 which is around 14 cents higher than just. For me the maximum deviation from just that I allow is 8.474 cents so the 5.04 is too out of tune for my taste. With Eagle 53 all of the intervals in the 2:3:4:5:6:8 chords (where they occur) are within 1.4 cents of just which is pretty accurate.

A just six note minor chord looks like 10:15:20:24:30:40. These numbers are much bigger than those in the 2:3:4:5:6:8 major chord. The bigger the numbers, the weaker the chord. I call these numbers separated by colons IRCs. Integer Representation of a Chord. Every chord listed in this book has an IRC below it. The Eagle 53 chords listed in this book are not perfectly in tune like the IRCs below them suggest but they are close enough to perfect to be acceptable.

If a 1, 2, 4, 8 or 16 occurs in the IRC then 99% of the time the chord is strongly rooted. I’ll describe the exceptions later. These numbers are all powers of 2 (2 to the power of zero is 1). I call them P2s. Higher powers of 2 like 32, 64 etc. don’t quite do it for me. So in a 3:5:7:8:9 chord the 8 is the root note and the chord is named after the root note (if the 8 is on a C note then you have a C chord).

The 2:3:4:5:6:8 chord has three P2s: 2, 4 and 8. The lowest

of these is the root note of the chord. The 10:15:20:24:30:40 minor chord has no P2s at all and is therefore not strongly rooted. I consider chords that are not strongly rooted to be inferior to chords that *are* strongly rooted.

For calculating the strength values (or overall periodicity values) of chords I take the inverse, or reciprocal, of each number in the IRC, add them together and multiply this sum by 2. This is explained in more detail in The Eagle 53 Pianist. So to calculate the overall strength value of the 2:3:4:5:6:8 chord add the reciprocals of each number and multiply this sum by 2.
 $(0.5 + 0.3333 + 0.25 + 0.2 + 0.1667 + 0.125) \times 2 = 3.15$.

For me, if all the intervals that occur in a chord are within 8.474 cents of what I consider to be a good interval (see list of good intervals earlier in this chapter) and the overall strength value is not lower than 0.4 then the chord is acceptable. If a chord is strongly rooted (contains a P2 in the IRC) *and* has a value of 0.75 or higher then the chord is a lush chord. This book lists 2,999 chords that are not lush but have a strength value of 0.4 or higher.

The IRC of every chord listed shows how each note relates to the lowest note but discrepancies can occur. Look at the L-1...F#, B, D#, F#, C, D#, F# chord. The IRC is 6:8:10:12:17:20:24. The 6:17 (or 17/6) is a valid interval but 8:17, 10:17, 12:17 etc do not occur in my list of good harmony intervals. It turns out that these intervals are all good but are all misrepresented. Look at 8:17. The notes are B and C (13 notes above B). B is 702 cents and C is 2015 cents the distance between them is 1313 cents which is within 8.474 cents of a just 15/7. So the 17/8 is really a 15/7. The implication is however that this chord is not strongly rooted.

Chapter Three

Composition

Look at the E, A, B (or I, IV, V) major chord progression. It sounds lovely but there is a sour melodic interval in there. If these chords are spelled 2:3:4:5 then the fourth note in the A chord makes a 680 cents interval with the second note in the B chord. 680 cents is, for me, a sour interval, both in a harmony and a melody context. It is not close to any melodic interval I deem to be acceptable. However this sour melodic step seems to be unnoticeable.

Because it is unnoticeable I conjectured that in any chord progression where all the chords are strongly rooted (contain a P2), it doesn't matter if one or more sour melodic intervals occur as long as the root notes of each chord pairs nicely with the root notes of every other chord. In other words you could treat each strongly rooted chord as being *one note*, the root note. Conversely with chord progressions using chords that are not strongly rooted (NSR) I think that *every* note, in every NSR chord must pair nicely, melodically, with *every* note in every other NSR chord. Chords that are not strongly rooted have no clear identity, no single note clearly stands out above the others.

It is a lot easier to list all the sour melodic intervals than to list all the good melodic intervals. If my calculations are correct it seems that in Eagle 53, *every* single melodic interval wider than 1950 cents (around 3/1 and a bit) is acceptable. Sour intervals wider than 1950 cents exist in theory but thankfully these don't occur in Eagle 53.

Choose any of the 96 scales listed in this book. Initially choose a one octave range to accommodate the scale and don't venture outside of it just yet. If you play a keyboard put a green sticker on the eight or less notes belonging to the scale chosen. Now we have to eliminate some notes that are sour when paired melodically with the eight or less notes we have chosen so far.

If you choose an A, avoid the D seven notes below it and the D nineteen notes below it.

If you choose an A#, avoid the F seven notes above it and the F nineteen notes above it.

B is good.

If you choose a C, avoid the C# one note above it.

If you choose a C#, avoid the C one note below it and the F# seven notes below it and F# nineteen notes below it.

If you choose a D, avoid the D# one note above it and the A seven notes above it and the A nineteen notes above it.

If you choose a D#, avoid the D one note below it.

E is good.

If you choose an F, avoid the A# seven notes below it and the A# nineteen notes below it.

If you choose an F#, avoid the C# seven notes above it and the C# nineteen notes above it.

If you choose a G, avoid the G# one note above it.

If you choose a G#, avoid the G one note below it.

So place a red sticker on the keys you need to avoid as described above. After this there will be plenty unmarked keys available. Every time you choose a new note you want to use, place a green sticker on the key you chose and place a red sticker on any other keys that you consequently need to avoid (i.e. keys or notes that do not pair well with the current note chosen). You could carry on the process until all the keys on your keyboard have either a green or red sticker on them.

The beauty of this idea is that, once you have all the keys you want marked with green stickers, if you play any notes in any order (melodically, in sequence, not simultaneously) that are marked with a green sticker you can't go wrong, you can't hit a sour note.

When you have all the *green* notes you want you can start composing with chords. Strongly rooted chords may be acceptable if their root notes coincide with a green key and perhaps some of their other notes don't.

But to be really strict and fool proof every note in every chord, whether lush or jazz, strongly rooted or otherwise, must coincide with a green key or note. Red keys or notes are to be excluded completely. To recap, doing it this way ensures that every note in every chord pairs nicely melodically with every note in every other chord. Some intermingling and intertwining melodies will occur and the progressions will always be good (if I'm right).

So, choose your green keys or notes and then find the chords that will coincide with them. The Eagle 53 Pianist book lists 2,750 lush chords and this book lists 2,999 jazz chords. Plenty to choose from.

Finally using all the notes of a chosen scale spread over a two or more octaves range won't always work. Look at the Melodic Major scale on E which contains an A and a D. Going from the A up to the D five notes above it makes a 23/17 interval which is acceptable. However going from the D note up to the A note above it (which is in the next octave) makes a 679 cents interval which is not close to any acceptable melodic interval in my list. So a scale that is good over a one octave range may contain one or more sour melodic intervals if you use the scale over a two or more octave range.

Chapter Four

Chords

In the Eagle 53 Pianist I grouped chords according to their root notes and in decreasing order of strength. Because the chords in this book are not strongly rooted I have left them in the order my computer programs generated. Chords can be looked up like words can be looked up in a dictionary. Unlike a dictionary my notes are ordered EFGABCD and not ABCDEFG. Chords are grouped according to the number of notes they have. From eight note chords down to three note chords.

8-42...C#, E, G#, C#, E, G#, B, C#
10:12:15:20:24:30:36:40 = 0.855556

The 8-42 means the 42nd chord that has 8 notes. The 10:12:15:20:24:30:36:40 is the IRC and the 0.855556 is the overall strength (or periodicity) value of the chord. There are 30 chords at the beginning marked with an 'L' for lush. They look like lush chords at first glance but they contain intervals that imply that they are not strongly rooted (e.g. 12:17 or 32:45) and so they are *not* lush.

EDIT

31st January 2021... since first publishing this book I have found a small number of chords that I now deem to be illegal. For details see page 261.

L-1...F#, B, D#, F#, C, D#, F#
6:8:10:12:17:20:24 = 1.25098

L-2...B, E, G#, B, F, G#, B
6:8:10:12:17:20:24 = 1.25098

L-3...F#, B, D#, F#, C, D#
6:8:10:12:17:20 = 1.16765

L-4...F#, B, D#, F#, C, F#
6:8:10:12:17:24 = 1.15098

L-5...F#, B, D#, C, D#, F#
6:8:10:17:20:24 = 1.08431

L-6...F#, B, F#, C, D#, F#
6:8:12:17:20:24 = 1.05098

L-7...B, E, G#, B, F, G#
6:8:10:12:17:20 = 1.16765

L-8...B, E, G#, B, F, B
6:8:10:12:17:24 = 1.15098

L-9...B, E, G#, F, G#, B
6:8:10:17:20:24 = 1.08431

L-10...B, E, B, F, G#, B
6:8:12:17:20:24 = 1.05098

L-11...F#, B, D#, F#, C
6:8:10:12:17 = 1.06765

L-12...F#, B, D#, C, D#
6:8:10:17:20 = 1.00098

L-13...F#, B, D#, C, F#
6:8:10:17:24 = 0.984314

L-14...F#, B, F#, C, D#
6:8:12:17:20 = 0.967647

L-15...F#, B, F#, C, F#
6:8:12:17:24 = 0.95098

L-16...A#, D#, A#, E, A#
6:8:12:17:24 = 0.95098

L-17...B, E, G#, B, F
6:8:10:12:17 = 1.06765

L-18...B, E, G#, F, G#
6:8:10:17:20 = 1.00098

L-19...B, E, G#, F, B
6:8:10:17:24 = 0.984314

L-20...B, E, B, F, G#
6:8:12:17:20 = 0.967647

L-21...B, E, B, F, B
6:8:12:17:24 = 0.95098

L-22...D#, G#, D#, A, D#
6:8:12:17:24 = 0.95098

L-23...F#, B, D#, C
6:8:10:17 = 0.90098

L-24...F#, B, F#, C
6:8:12:17 = 0.867647

L-25...A#, D#, A#, E
6:8:12:17 = 0.867647

L-26...B, E, G#, F
6:8:10:17 = 0.90098

L-27...B, E, B, F
6:8:12:17 = 0.867647

L-28...D#, G#, D#, A
6:8:12:17 = 0.867647

L-29...G, A#, C, E, A#, C, E, F#
12:14:16:20:28:32:40:45 = 0.762897

L-30...C, D#, F, A, D#, F, A, B
12:14:16:20:28:32:40:45 = 0.762897

8-1...E, G, A, C, E, G, C, E
15:18:20:24:30:36:48:60 = 0.625z

8-2...E, G, B, D, E, G, B, D
10:12:15:18:20:24:30:36 = 0.916667

8-3...E, G, B, E, G, B, D, E
10:12:15:20:24:30:36:40 = 0.855556

8-4...E, G, B, E, G, C, D, E
10:12:15:20:24:32:36:40 = 0.851389

8-5...E, G#, B, C#, E, G#, B, E
12:15:18:20:24:30:36:48 = 0.758333

8-6...E, G#, C#, E, G#, B, C#, E
12:15:20:24:30:36:40:48 = 0.697222

8-7...E, G#, C#, E, A, B, C#, E
12:15:20:24:32:36:40:48 = 0.693056

8-8...E, A, C, E, G, A, C, E
15:20:24:30:36:40:48:60 = 0.563889

8-9...F, A, B, D#, F, B, D#, F
20:25:28:35:40:56:70:80 = 0.447857

8-10...F, A, B, D#, F, C, D#, F
20:25:28:35:40:60:70:80 = 0.445476

8-11...F, A, D#, F, A, B, D#, F
20:25:35:40:50:56:70:80 = 0.416429

8-12...F#, G#, B, D#, F#, B, D#, F#
9:10:12:15:18:24:30:36 = 1.03889

8-13...F#, A#, D#, F#, A#, C, D#, F#
12:15:20:24:30:34:40:48 = 0.70049

8-14...G, A, C, E, G, C, E, G
9:10:12:15:18:24:30:36 = 1.03889

8-15...G, B, D, E, G, B, D, G
12:15:18:20:24:30:36:48 = 0.758333

8-16...G, B, E, G, B, D, E, G
12:15:20:24:30:36:40:48 = 0.697222

8-17...G, B, E, G, C, D, E, G
12:15:20:24:32:36:40:48 = 0.693056

8-18...G, C, E, A#, C, D, E, F#
12:16:20:28:32:36:40:45 = 0.675595

8-19...G#, B, C#, E, G#, B, E, G#
15:18:20:24:30:36:48:60 = 0.625

8-20...G#, B, D#, F#, G#, B, D#, F#
10:12:15:18:20:24:30:36 = 0.916667

8-21...G#, B, D#, G#, B, D#, F#, G#
10:12:15:20:24:30:36:40 = 0.855556

8-22...G#, B, D#, G#, B, E, F#, G#
10:12:15:20:24:32:36:40 = 0.851389

8-23...G#, C#, E, G#, B, C#, E, G#
15:20:24:30:36:40:48:60 = 0.563889

8-24...A, C, E, G, A, C, E, G
10:12:15:18:20:24:30:36 = 0.916667

8-25...A, C, E, A, C, E, G, A
10:12:15:20:24:30:36:40 = 0.855556

8-26...A, C, E, A, C, F, G, A
10:12:15:20:24:32:36:40 = 0.851389

8-27...B, C#, E, G#, B, E, G#, B
9:10:12:15:18:24:30:36 = 1.03889

8-28...B, D, E, G, B, D, G, B
15:18:20:24:30:36:48:60 = 0.625

8-29...B, D#, F#, G#, B, D#, F#, B
12:15:18:20:24:30:36:48 = 0.758333

8-30...B, D#, G#, B, D#, F, G#, B
12:15:20:24:30:34:40:48 = 0.70049

8-31...B, D#, G#, B, D#, F#, G#, B
12:15:20:24:30:36:40:48 = 0.697222

8-32...B, D#, G#, B, E, F#, G#, B
12:15:20:24:32:36:40:48 = 0.693056

8-33...B, E, G, B, D, E, G, B
15:20:24:30:36:40:48:60 = 0.563889

8-34...C, E, F#, A#, C, F#, A#, C
20:25:28:35:40:56:70:80 = 0.447857

8-35...C, E, F#, A#, C, G, A#, C
20:25:28:35:40:60:70:80 = 0.445476

8-36...C, E, G, A, C, E, G, C
12:15:18:20:24:30:36:48 = 0.758333

8-37...C, E, A, C, E, G, A, C
12:15:20:24:30:36:40:48 = 0.697222

8-38...C, E, A, C, F, G, A, C
12:15:20:24:32:36:40:48 = 0.693056

8-39...C, E, A#, C, E, F#, A#, C
20:25:35:40:50:56:70:80 = 0.416429

8-40...C, F, A, D#, F, G, A, B
12:16:20:28:32:36:40:45 = 0.675595

8-41...C#, E, G#, B, C#, E, G#, B
10:12:15:18:20:24:30:36 = 0.916667

8-42...C#, E, G#, C#, E, G#, B, C#
10:12:15:20:24:30:36:40 = 0.855556

8-43...C#, E, G#, C#, E, A, B, C#
10:12:15:20:24:32:36:40 = 0.851389

8-44...D, E, G, B, D, G, B, D
9:10:12:15:18:24:30:36 = 1.03889

8-45...D#, F#, G#, B, D#, F#, B, D#
15:18:20:24:30:36:48:60 = 0.625

8-46...D#, G#, B, D#, F#, G#, B, D#
15:20:24:30:36:40:48:60 = 0.563889

7-1...E, G, A, C, E, G, C
15:18:20:24:30:36:48 = 0.591667

7-2...E, G, A, C, E, G, E
15:18:20:24:30:36:60 = 0.583333

7-3...E, G, A, C, E, C, E
15:18:20:24:30:48:60 = 0.569444

7-4...E, G, A, C, G, C, E
15:18:20:24:36:48:60 = 0.558333

7-5...E, G, A, E, G, B, E
15:18:20:30:36:45:60 = 0.544444

7-6...E, G, A, E, G, C, E
15:18:20:30:36:48:60 = 0.541667

7-7...E, G, A#, D, E, G, B
5:6:7:9:10:12:15 = 1.74127

7-8...E, G, A#, E, G, A#, E
5:6:7:10:12:14:20 = 1.62857

7-9...E, G, A#, E, G, B, E
5:6:7:10:12:15:20 = 1.61905

7-10...E, G, B, D, E, G, B
10:12:15:18:20:24:30 = 0.861111

7-11...E, G, B, D, E, G, D
10:12:15:18:20:24:36 = 0.85

7-12...E, G, B, D, E, B, D
10:12:15:18:20:30:36 = 0.833333

7-13...E, G, B, D, G, B, D
10:12:15:18:24:30:36 = 0.816667

7-14...E, G, B, E, G, B, D
10:12:15:20:24:30:36 = 0.805556

7-15...E, G, B, E, G, B, E
10:12:15:20:24:30:40 = 0.8

7-16...E, G, B, E, G, C, D
10:12:15:20:24:32:36 = 0.801389

7-17...E, G, B, E, G, C, E
10:12:15:20:24:32:40 = 0.795833

7-18...E, G, B, E, G, D, E
10:12:15:20:24:36:40 = 0.788889

7-19...E, G, B, E, B, D, E
10:12:15:20:30:36:40 = 0.772222

7-20...E, G, B, E, C, D, E
10:12:15:20:32:36:40 = 0.768056

7-21...E, G, B, G, B, D, E
10:12:15:24:30:36:40 = 0.755556

7-22...E, G, B, G, C, D, E
10:12:15:24:32:36:40 = 0.751389

7-23...E, G, D, E, G, B, D
5:6:9:10:12:15:18 = 1.56667

7-24...E, G, E, G, A#, D, E
5:6:10:12:14:18:20 = 1.45397

7-25...E, G, E, G, B, D, E
5:6:10:12:15:18:20 = 1.44444

7-26...E, G#, A#, C, E, F#, A#
20:25:28:32:40:45:56 = 0.444087

7-27...E, G#, A#, C, E, A#, E
20:25:28:32:40:56:80 = 0.424643

7-28...E, G#, A#, C, F#, A#, D#
20:25:28:32:45:56:75 = 0.420754

7-29...E, G#, B, C#, E, G#, B
12:15:18:20:24:30:36 = 0.716667

7-30...E, G#, B, C#, E, G#, E
12:15:18:20:24:30:48 = 0.702778

7-31...E, G#, B, C#, E, B, E
12:15:18:20:24:36:48 = 0.691667

7-32...E, G#, B, C#, G#, B, D#
12:15:18:20:30:36:45 = 0.677778

7-33...E, G#, B, C#, G#, B, E
12:15:18:20:30:36:48 = 0.675

7-34...E, G#, C#, E, G#, B, C#
12:15:20:24:30:36:40 = 0.655556

7-35...E, G#, C#, E, G#, B, E
12:15:20:24:30:36:48 = 0.647222

7-36...E, G#, C#, E, G#, C#, E
12:15:20:24:30:40:48 = 0.641667

7-37...E, G#, C#, E, A, B, C#
12:15:20:24:32:36:40 = 0.651389

7-38...E, G#, C#, E, A, B, E
12:15:20:24:32:36:48 = 0.643056

7-39...E, G#, C#, E, A, C#, E
12:15:20:24:32:40:48 = 0.6375

7-40...E, G#, C#, E, B, C#, E
12:15:20:24:36:40:48 = 0.630556

7-41...E, G#, C#, G#, B, C#, D#
12:15:20:30:36:40:45 = 0.616667

7-42...E, G#, C#, G#, B, C#, E
12:15:20:30:36:40:48 = 0.613889

7-43...E, G#, C#, A, B, C#, D#
12:15:20:32:36:40:45 = 0.6125

7-44...E, G#, C#, A, B, C#, E
12:15:20:32:36:40:48 = 0.609722

7-45...E, G#, E, G#, B, C#, E
12:15:24:30:36:40:48 = 0.597222

7-46...E, G#, E, A, B, C#, E
12:15:24:32:36:40:48 = 0.593056

7-47...E, A, C, E, G, A, C
15:20:24:30:36:40:48 = 0.530556

7-48...E, A, C, E, G, A, E
15:20:24:30:36:40:60 = 0.522222

7-49...E, A, C, E, G, C, E
15:20:24:30:36:48:60 = 0.513889

7-50...E, A, C, E, A, C, E
15:20:24:30:40:48:60 = 0.508333

7-51...E, A, C, G, A, C, E
15:20:24:36:40:48:60 = 0.497222

7-52...E, A, C#, A, B, C#, D#
12:16:20:32:36:40:45 = 0.604167

7-53...E, A, E, G, A, B, E
15:20:30:36:40:45:60 = 0.483333

7-54...E, A, E, G, A, C, E
15:20:30:36:40:48:60 = 0.480556

7-55...E, B, C#, E, G#, B, E
6:9:10:12:15:18:24 = 1.25

7-56...E, B, D, E, G, B, D
10:15:18:20:24:30:36 = 0.75

7-57...E, B, E, G, B, D, E
10:15:20:24:30:36:40 = 0.688889

7-58...E, B, E, G, C, D, E
10:15:20:24:32:36:40 = 0.684722

7-59...E, C, E, G, A, C, E
15:24:30:36:40:48:60 = 0.463889

7-60...E, C#, E, G#, B, C#, E
6:10:12:15:18:20:24 = 1.12778

7-61...F, G#, C, D#, F, A, D#
12:14:18:21:24:30:42 = 0.713492

7-62...F, A, B, D#, F, G, B
20:25:28:35:40:45:56 = 0.43873

7-63...F, A, B, D#, F, G, C
20:25:28:35:40:45:60 = 0.436349

7-64...F, A, B, D#, F, B, D#
20:25:28:35:40:56:70 = 0.422857

7-65...F, A, B, D#, F, B, F
20:25:28:35:40:56:80 = 0.419286

7-66...F, A, B, D#, F, C, D#
20:25:28:35:40:60:70 = 0.420476

7-67...F, A, B, D#, F, C, F
20:25:28:35:40:60:80 = 0.416905

7-68...F, A, B, D#, F, D#, F
20:25:28:35:40:70:80 = 0.412143

7-69...F, A, B, D#, G, B, E
20:25:28:35:45:56:75 = 0.415397

7-70...F, A, B, D#, G, C, E
20:25:28:35:45:60:75 = 0.413016

7-71...F, A, D#, F, G, A, B
20:25:35:40:45:50:56 = 0.407302

7-72...F, D#, F, G#, C, D#, F
12:21:24:28:36:42:48 = 0.561508

7-73...F#, G#, B, D#, F#, B, D#
9:10:12:15:18:24:30 = 0.983333

7-74...F#, G#, B, D#, F#, B, F#
9:10:12:15:18:24:36 = 0.972222

7-75...F#, G#, B, D#, F#, D#, F#
9:10:12:15:18:30:36 = 0.955556

7-76...F#, G#, B, D#, B, D#, F#
9:10:12:15:24:30:36 = 0.927778

7-77...F#, G#, B, F#, B, D#, F#
9:10:12:18:24:30:36 = 0.905556

7-78...F#, G#, D#, F#, A#, D#, F#
18:20:30:36:45:60:72 = 0.438889

7-79...F#, G#, D#, F#, B, D#, F#
9:10:15:18:24:30:36 = 0.872222

7-80...F#, A#, D#, F#, A#, C, D#
12:15:20:24:30:34:40 = 0.658824

7-81...F#, A#, D#, F#, A#, C, F#
12:15:20:24:30:34:48 = 0.65049

7-82...F#, A#, D#, F#, A#, D#, F#
12:15:20:24:30:40:48 = 0.641667

7-83...F#, A#, D#, F#, B, D#, F#
12:15:20:24:32:40:48 = 0.6375

7-84...F#, A#, D#, F#, C, D#, F#
12:15:20:24:34:40:48 = 0.633824

7-85...F#, A#, D#, A#, C, D#, F#
12:15:20:30:34:40:48 = 0.617157

7-86...F#, A#, F#, A#, C, D#, F#
12:15:24:30:34:40:48 = 0.60049

7-87...F#, B, D, F#, B, D, F#
15:20:24:30:40:48:60 = 0.508333

7-88...F#, D#, F#, A#, C, D#, F#
6:10:12:15:17:20:24 = 1.13431

7-89...G, A, C, E, G, C, E
9:10:12:15:18:24:30 = 0.983333

7-90...G, A, C, E, G, C, G
9:10:12:15:18:24:36 = 0.972222

7-91...G, A, C, E, G, E, G
9:10:12:15:18:30:36 = 0.955556

7-92...G, A, C, E, C, E, G
9:10:12:15:24:30:36 = 0.927778

7-93...G, A, C, G, C, E, G
9:10:12:18:24:30:36 = 0.905556

7-94...G, A, E, G, B, E, G
18:20:30:36:45:60:72 = 0.438889

7-95...G, A, E, G, C, E, G
9:10:15:18:24:30:36 = 0.872222

7-96...G, A#, C, E, A#, C, F#
12:14:16:20:28:32:45 = 0.712897

7-97...G, A#, C, E, A#, E, F#
12:14:16:20:28:40:45 = 0.700397

7-98...G, A#, C, E, C, E, F#
12:14:16:20:32:40:45 = 0.691468

7-99...G, A#, C, A#, C, E, F#
12:14:16:28:32:40:45 = 0.662897

7-100...G, A#, E, A#, C, E, F#
12:14:20:28:32:40:45 = 0.637897

7-101...G, B, D, E, G, B, D
12:15:18:20:24:30:36 = 0.716667

7-102...G, B, D, E, G, B, G
12:15:18:20:24:30:48 = 0.702778

7-103...G, B, D, E, G, D, G
12:15:18:20:24:36:48 = 0.691667

7-104...G, B, D, E, B, D, F#
12:15:18:20:30:36:45 = 0.677778

7-105...G, B, D, E, B, D, G
 12:15:18:20:30:36:48 = 0.675

7-106...G, B, E, G, B, D, E
 12:15:20:24:30:36:40 = 0.655556

7-107...G, B, E, G, B, D, G
 12:15:20:24:30:36:48 = 0.647222

7-108...G, B, E, G, B, E, G
 12:15:20:24:30:40:48 = 0.641667

7-109...G, B, E, G, C, D, E
 12:15:20:24:32:36:40 = 0.651389

7-110...G, B, E, G, C, D, G
 12:15:20:24:32:36:48 = 0.643056

7-111...G, B, E, G, C, E, G
 12:15:20:24:32:40:48 = 0.6375

7-112...G, B, E, G, D, E, G
 12:15:20:24:36:40:48 = 0.630556

7-113...G, B, E, B, D, E, F#
 12:15:20:30:36:40:45 = 0.616667

7-114...G, B, E, B, D, E, G
 12:15:20:30:36:40:48 = 0.613889

7-115...G, B, E, C, D, E, F#
 12:15:20:32:36:40:45 = 0.6125

7-116...G, B, E, C, D, E, G
 12:15:20:32:36:40:48 = 0.609722

7-117...G, B, G, B, D, E, G
 12:15:24:30:36:40:48 = 0.597222

7-118...G, B, G, C, D, E, G
12:15:24:32:36:40:48 = 0.593056

7-119...G, C, E, A#, C, D, F#
12:16:20:28:32:36:45 = 0.625595

7-120...G, C, E, A#, C, E, F#
12:16:20:28:32:40:45 = 0.62004

7-121...G, C, E, A#, D, E, F#
12:16:20:28:36:40:45 = 0.613095

7-122...G, C, E, C, D, E, F#
12:16:20:32:36:40:45 = 0.604167

7-123...G, C, A#, C, D, E, F#
12:16:28:32:36:40:45 = 0.575595

7-124...G, D, E, G, B, D, G
6:9:10:12:15:18:24 = 1.25

7-125...G, E, G, A#, D, E, G
3:5:6:7:9:10:12 = 2.2746

7-126...G, E, G, B, D, E, G
6:10:12:15:18:20:24 = 1.12778

7-127...G, E, A#, C, D, E, F#
12:20:28:32:36:40:45 = 0.550595

7-128...G#, B, C#, E, G#, B, E
15:18:20:24:30:36:48 = 0.591667

7-129...G#, B, C#, E, G#, B, G#
15:18:20:24:30:36:60 = 0.583333

7-130...G#, B, C#, E, G#, E, G#
15:18:20:24:30:48:60 = 0.569444

7-131...G#, B, C#, E, B, E, G#
 15:18:20:24:36:48:60 = 0.558333

7-132...G#, B, C#, G#, B, D#, G#
 15:18:20:30:36:45:60 = 0.544444

7-133...G#, B, C#, G#, B, E, G#
 15:18:20:30:36:48:60 = 0.541667

7-134...G#, B, D#, F#, G#, B, D#
 10:12:15:18:20:24:30 = 0.861111

7-135...G#, B, D#, F#, G#, B, F#
 10:12:15:18:20:24:36 = 0.85

7-136...G#, B, D#, F#, G#, D#, F#
 10:12:15:18:20:30:36 = 0.833333

7-137...G#, B, D#, F#, B, D#, F#
 10:12:15:18:24:30:36 = 0.816667

7-138...G#, B, D#, G#, B, D#, F#
 10:12:15:20:24:30:36 = 0.805556

7-139...G#, B, D#, G#, B, D#, G#
 10:12:15:20:24:30:40 = 0.8

7-140...G#, B, D#, G#, B, E, F#
 10:12:15:20:24:32:36 = 0.801389

7-141...G#, B, D#, G#, B, E, G#
 10:12:15:20:24:32:40 = 0.795833

7-142...G#, B, D#, G#, B, F#, G#
 10:12:15:20:24:36:40 = 0.788889

7-143...G#, B, D#, G#, D#, F#, G#
 10:12:15:20:30:36:40 = 0.772222

7-144...G#, B, D#, G#, E, F#, G#
10:12:15:20:32:36:40 = 0.768056

7-145...G#, B, D#, B, D#, F#, G#
10:12:15:24:30:36:40 = 0.755556

7-146...G#, B, D#, B, E, F#, G#
10:12:15:24:32:36:40 = 0.751389

7-147...G#, B, F#, G#, B, D#, F#
5:6:9:10:12:15:18 = 1.56667

7-148...G#, B, G#, B, D#, F#, G#
5:6:10:12:15:18:20 = 1.44444

7-149...G#, C#, E, G#, B, C#, E
15:20:24:30:36:40:48 = 0.530556

7-150...G#, C#, E, G#, B, C#, G#
15:20:24:30:36:40:60 = 0.522222

7-151...G#, C#, E, G#, B, E, G#
15:20:24:30:36:48:60 = 0.513889

7-152...G#, C#, E, G#, C#, E, G#
15:20:24:30:40:48:60 = 0.508333

7-153...G#, C#, E, B, C#, E, G#
15:20:24:36:40:48:60 = 0.497222

7-154...G#, C#, G#, B, C#, D#, G#
15:20:30:36:40:45:60 = 0.483333

7-155...G#, C#, G#, B, C#, E, G#
15:20:30:36:40:48:60 = 0.480556

7-156...G#, D#, F#, G#, B, D#, F#
10:15:18:20:24:30:36 = 0.75

7-157...G#, D#, G#, B, D#, F#, G#
10:15:20:24:30:36:40 = 0.688889

7-158...G#, D#, G#, B, E, F#, G#
10:15:20:24:32:36:40 = 0.684722

7-159...G#, E, G#, B, C#, E, G#
15:24:30:36:40:48:60 = 0.463889

7-160...A, C, D#, G, A, C, E
5:6:7:9:10:12:15 = 1.74127

7-161...A, C, D#, A, C, D#, A
5:6:7:10:12:14:20 = 1.62857

7-162...A, C, D#, A, C, E, A
5:6:7:10:12:15:20 = 1.61905

7-163...A, C, E, G, A, C, E
10:12:15:18:20:24:30 = 0.861111

7-164...A, C, E, G, A, C, G
10:12:15:18:20:24:36 = 0.85

7-165...A, C, E, G, A, E, G
10:12:15:18:20:30:36 = 0.833333

7-166...A, C, E, G, C, E, G
10:12:15:18:24:30:36 = 0.816667

7-167...A, C, E, A, C, E, G
10:12:15:20:24:30:36 = 0.805556

7-168...A, C, E, A, C, E, A
10:12:15:20:24:30:40 = 0.8

7-169...A, C, E, A, C, F, G
10:12:15:20:24:32:36 = 0.801389

7-170...A, C, E, A, C, F, A
10:12:15:20:24:32:40 = 0.795833

7-171...A, C, E, A, C, G, A
10:12:15:20:24:36:40 = 0.788889

7-172...A, C, E, A, E, G, A
10:12:15:20:30:36:40 = 0.772222

7-173...A, C, E, A, F, G, A
10:12:15:20:32:36:40 = 0.768056

7-174...A, C, E, C, E, G, A
10:12:15:24:30:36:40 = 0.755556

7-175...A, C, E, C, F, G, A
10:12:15:24:32:36:40 = 0.751389

7-176...A, C, G, A, C, E, G
5:6:9:10:12:15:18 = 1.56667

7-177...A, C, A, C, D#, G, A
5:6:10:12:14:18:20 = 1.45397

7-178...A, C, A, C, E, G, A
5:6:10:12:15:18:20 = 1.44444

7-179...A, C#, D#, F, A, B, D#
20:25:28:32:40:45:56 = 0.444087

7-180...A, C#, D#, F, A, D#, A
20:25:28:32:40:56:80 = 0.424643

7-181...A, C#, D#, F, B, D#, G#
20:25:28:32:45:56:75 = 0.420754

7-182...A, E, G, A, C, E, G
10:15:18:20:24:30:36 = 0.75

7-183...A, E, A, C, E, G, A
10:15:20:24:30:36:40 = 0.688889

7-184...A, E, A, C, F, G, A
10:15:20:24:32:36:40 = 0.684722

7-185...A#, C, D#, G, A#, C, A#
21:24:28:36:42:48:84 = 0.418651

7-186...A#, D#, F#, A#, D#, F#, A#
15:20:24:30:40:48:60 = 0.508333

7-187...B, C#, E, G#, B, E, G#
9:10:12:15:18:24:30 = 0.983333

7-188...B, C#, E, G#, B, E, B
9:10:12:15:18:24:36 = 0.972222

7-189...B, C#, E, G#, B, G#, B
9:10:12:15:18:30:36 = 0.955556

7-190...B, C#, E, G#, E, G#, B
9:10:12:15:24:30:36 = 0.927778

7-191...B, C#, E, B, E, G#, B
9:10:12:18:24:30:36 = 0.905556

7-192...B, C#, G#, B, D#, G#, B
18:20:30:36:45:60:72 = 0.438889

7-193...B, C#, G#, B, E, G#, B
9:10:15:18:24:30:36 = 0.872222

7-194...B, D, E, G, B, D, G
15:18:20:24:30:36:48 = 0.591667

7-195...B, D, E, G, B, D, B
15:18:20:24:30:36:60 = 0.583333

7-196...B, D, E, G, B, G, B
15:18:20:24:30:48:60 = 0.569444

7-197...B, D, E, G, D, G, B
15:18:20:24:36:48:60 = 0.558333

7-198...B, D, E, B, D, F#, B
15:18:20:30:36:45:60 = 0.544444

7-199...B, D, E, B, D, G, B
15:18:20:30:36:48:60 = 0.541667

7-200...B, D, F#, B, D, F#, B
10:12:15:20:24:30:40 = 0.8

7-201...B, D, F#, B, D, G, B
10:12:15:20:24:32:40 = 0.795833

7-202...B, D#, F#, G#, B, D#, F#
12:15:18:20:24:30:36 = 0.716667

7-203...B, D#, F#, G#, B, D#, B
12:15:18:20:24:30:48 = 0.702778

7-204...B, D#, F#, G#, B, F#, B
12:15:18:20:24:36:48 = 0.691667

7-205...B, D#, F#, G#, D#, F#, A#
12:15:18:20:30:36:45 = 0.677778

7-206...B, D#, F#, G#, D#, F#, B
12:15:18:20:30:36:48 = 0.675

7-207...B, D#, G#, B, D#, F, G#
12:15:20:24:30:34:40 = 0.658824

7-208...B, D#, G#, B, D#, F, B
12:15:20:24:30:34:48 = 0.65049

7-209...B, D#, G#, B, D#, F#, G#
12:15:20:24:30:36:40 = 0.655556

7-210...B, D#, G#, B, D#, F#, B
12:15:20:24:30:36:48 = 0.647222

7-211...B, D#, G#, B, D#, G#, B
12:15:20:24:30:40:48 = 0.641667

7-212...B, D#, G#, B, E, F#, G#
12:15:20:24:32:36:40 = 0.651389

7-213...B, D#, G#, B, E, F#, B
12:15:20:24:32:36:48 = 0.643056

7-214...B, D#, G#, B, E, G#, B
12:15:20:24:32:40:48 = 0.6375

7-215...B, D#, G#, B, F, G#, B
12:15:20:24:34:40:48 = 0.633824

7-216...B, D#, G#, B, F#, G#, B
12:15:20:24:36:40:48 = 0.630556

7-217...B, D#, G#, D#, F, G#, B
12:15:20:30:34:40:48 = 0.617157

7-218...B, D#, G#, D#, F#, G#, A#
12:15:20:30:36:40:45 = 0.616667

7-219...B, D#, G#, D#, F#, G#, B
12:15:20:30:36:40:48 = 0.613889

7-220...B, D#, G#, E, F#, G#, A#
12:15:20:32:36:40:45 = 0.6125

7-221...B, D#, G#, E, F#, G#, B
12:15:20:32:36:40:48 = 0.609722

7-222...B, D#, B, D#, F, G#, B
12:15:24:30:34:40:48 = 0.60049

7-223...B, D#, B, D#, F#, G#, B
12:15:24:30:36:40:48 = 0.597222

7-224...B, D#, B, E, F#, G#, B
12:15:24:32:36:40:48 = 0.593056

7-225...B, E, G, B, D, E, G
15:20:24:30:36:40:48 = 0.530556

7-226...B, E, G, B, D, E, B
15:20:24:30:36:40:60 = 0.522222

7-227...B, E, G, B, D, G, B
15:20:24:30:36:48:60 = 0.513889

7-228...B, E, G, B, E, G, B
15:20:24:30:40:48:60 = 0.508333

7-229...B, E, G, D, E, G, B
15:20:24:36:40:48:60 = 0.497222

7-230...B, E, G#, E, F#, G#, A#
12:16:20:32:36:40:45 = 0.604167

7-231...B, E, B, D, E, F#, B
15:20:30:36:40:45:60 = 0.483333

7-232...B, E, B, D, E, G, B
15:20:30:36:40:48:60 = 0.480556

7-233...B, F#, G#, B, D#, F#, B
6:9:10:12:15:18:24 = 1.25

7-234...B, G, B, D, E, G, B
15:24:30:36:40:48:60 = 0.463889

7-235...B, G#, B, D#, F, G#, B
6:10:12:15:17:20:24 = 1.13431

7-236...B, G#, B, D#, F#, G#, B
6:10:12:15:18:20:24 = 1.12778

7-237...C, D#, F, A, D#, F, B
12:14:16:20:28:32:45 = 0.712897

7-238...C, D#, F, A, D#, A, B
12:14:16:20:28:40:45 = 0.700397

7-239...C, D#, F, A, F, A, B
12:14:16:20:32:40:45 = 0.691468

7-240...C, D#, F, D#, F, A, B
12:14:16:28:32:40:45 = 0.662897

7-241...C, D#, G, A#, C, E, A#
12:14:18:21:24:30:42 = 0.713492

7-242...C, D#, A, D#, F, A, B
12:14:20:28:32:40:45 = 0.637897

7-243...C, E, F#, A#, C, D, F#
20:25:28:35:40:45:56 = 0.43873

7-244...C, E, F#, A#, C, D, G
20:25:28:35:40:45:60 = 0.436349

7-245...C, E, F#, A#, C, F#, A#
20:25:28:35:40:56:70 = 0.422857

7-246...C, E, F#, A#, C, F#, C
20:25:28:35:40:56:80 = 0.419286

7-247...C, E, F#, A#, C, G, A#
20:25:28:35:40:60:70 = 0.420476

7-248...C, E, F#, A#, C, G, C
20:25:28:35:40:60:80 = 0.416905

7-249...C, E, F#, A#, C, A#, C
20:25:28:35:40:70:80 = 0.412143

7-250...C, E, F#, A#, D, F#, B
20:25:28:35:45:56:75 = 0.415397

7-251...C, E, F#, A#, D, G, B
20:25:28:35:45:60:75 = 0.413016

7-252...C, E, G, A, C, E, G
12:15:18:20:24:30:36 = 0.716667

7-253...C, E, G, A, C, E, C
12:15:18:20:24:30:48 = 0.702778

7-254...C, E, G, A, C, G, C
12:15:18:20:24:36:48 = 0.691667

7-255...C, E, G, A, E, G, B
12:15:18:20:30:36:45 = 0.677778

7-256...C, E, G, A, E, G, C
12:15:18:20:30:36:48 = 0.675

7-257...C, E, A, C, E, G, A
12:15:20:24:30:36:40 = 0.655556

7-258...C, E, A, C, E, G, C
12:15:20:24:30:36:48 = 0.647222

7-259...C, E, A, C, E, A, C
12:15:20:24:30:40:48 = 0.641667

7-260...C, E, A, C, F, G, A
12:15:20:24:32:36:40 = 0.651389

7-261...C, E, A, C, F, G, C
12:15:20:24:32:36:48 = 0.643056

7-262...C, E, A, C, F, A, C
12:15:20:24:32:40:48 = 0.6375

7-263...C, E, A, C, G, A, C
12:15:20:24:36:40:48 = 0.630556

7-264...C, E, A, E, G, A, B
12:15:20:30:36:40:45 = 0.616667

7-265...C, E, A, E, G, A, C
12:15:20:30:36:40:48 = 0.613889

7-266...C, E, A, F, G, A, B
12:15:20:32:36:40:45 = 0.6125

7-267...C, E, A, F, G, A, C
12:15:20:32:36:40:48 = 0.609722

7-268...C, E, A#, C, D, E, F#
20:25:35:40:45:50:56 = 0.407302

7-269...C, E, C, E, G, A, C
12:15:24:30:36:40:48 = 0.597222

7-270...C, E, C, F, G, A, C
12:15:24:32:36:40:48 = 0.593056

7-271...C, F, A, D#, F, G, B
12:16:20:28:32:36:45 = 0.625595

7-272...C, F, A, D#, F, A, B
12:16:20:28:32:40:45 = 0.62004

7-273...C, F, A, D#, G, A, B
12:16:20:28:36:40:45 = 0.613095

7-274...C, F, A, F, G, A, B
12:16:20:32:36:40:45 = 0.604167

7-275...C, F, D#, F, G, A, B
12:16:28:32:36:40:45 = 0.575595

7-276...C, G, A, C, E, G, C
6:9:10:12:15:18:24 = 1.25

7-277...C, A, C, D#, G, A, C
3:5:6:7:9:10:12 = 2.2746

7-278...C, A, C, E, G, A, C
6:10:12:15:18:20:24 = 1.12778

7-279...C, A, D#, F, G, A, B
12:20:28:32:36:40:45 = 0.550595

7-280...C, A#, C, D#, G, A#, C
12:21:24:28:36:42:48 = 0.561508

7-281...C#, E, G#, B, C#, E, G#
10:12:15:18:20:24:30 = 0.861111

7-282...C#, E, G#, B, C#, E, B
10:12:15:18:20:24:36 = 0.85

7-283...C#, E, G#, B, C#, G#, B
10:12:15:18:20:30:36 = 0.833333

7-284...C#, E, G#, B, E, G#, B
10:12:15:18:24:30:36 = 0.816667

7-285...C#, E, G#, C#, E, G#, B
10:12:15:20:24:30:36 = 0.805556

7-286...C#, E, G#, C#, E, G#, C#
10:12:15:20:24:30:40 = 0.8

7-287...C#, E, G#, C#, E, A, B
10:12:15:20:24:32:36 = 0.801389

7-288...C#, E, G#, C#, E, A, C#
10:12:15:20:24:32:40 = 0.795833

7-289...C#, E, G#, C#, E, B, C#
10:12:15:20:24:36:40 = 0.788889

7-290...C#, E, G#, C#, G#, B, C#
10:12:15:20:30:36:40 = 0.772222

7-291...C#, E, G#, C#, A, B, C#
10:12:15:20:32:36:40 = 0.768056

7-292...C#, E, G#, E, G#, B, C#
10:12:15:24:30:36:40 = 0.755556

7-293...C#, E, G#, E, A, B, C#
10:12:15:24:32:36:40 = 0.751389

7-294...C#, E, B, C#, E, G#, B
5:6:9:10:12:15:18 = 1.56667

7-295...C#, E, C#, E, G#, B, C#
5:6:10:12:15:18:20 = 1.44444

7-296...C#, G#, B, C#, E, G#, B
10:15:18:20:24:30:36 = 0.75

7-297...C#, G#, C#, E, G#, B, C#
10:15:20:24:30:36:40 = 0.688889

7-298...C#, G#, C#, E, A, B, C#
10:15:20:24:32:36:40 = 0.684722

7-299...D, E, G, B, D, G, B
9:10:12:15:18:24:30 = 0.983333

7-300...D, E, G, B, D, G, D
9:10:12:15:18:24:36 = 0.972222

7-301...D, E, G, B, D, B, D
9:10:12:15:18:30:36 = 0.955556

7-302...D, E, G, B, G, B, D
9:10:12:15:24:30:36 = 0.927778

7-303...D, E, G, D, G, B, D
9:10:12:18:24:30:36 = 0.905556

7-304...D, E, B, D, F#, B, D
18:20:30:36:45:60:72 = 0.438889

7-305...D, E, B, D, G, B, D
9:10:15:18:24:30:36 = 0.872222

7-306...D, F#, B, D, F#, B, D
12:15:20:24:30:40:48 = 0.641667

7-307...D, F#, B, D, G, B, D
12:15:20:24:32:40:48 = 0.6375

7-308...D#, F, G#, C, D#, F, D#
21:24:28:36:42:48:84 = 0.418651

7-309...D#, F#, G#, B, D#, F#, B
15:18:20:24:30:36:48 = 0.591667

7-310...D#, F#, G#, B, D#, F#, D#
15:18:20:24:30:36:60 = 0.583333

7-311...D#, F#, G#, B, D#, B, D#
15:18:20:24:30:48:60 = 0.569444

7-312...D#, F#, G#, B, F#, B, D#
15:18:20:24:36:48:60 = 0.558333

7-313...D#, F#, G#, D#, F#, A#, D#
15:18:20:30:36:45:60 = 0.544444

7-314...D#, F#, G#, D#, F#, B, D#
15:18:20:30:36:48:60 = 0.541667

7-315...D#, F#, A#, D#, F#, A#, D#
10:12:15:20:24:30:40 = 0.8

7-316...D#, F#, A#, D#, F#, B, D#
10:12:15:20:24:32:40 = 0.795833

7-317...D#, G#, B, D#, F#, G#, B
15:20:24:30:36:40:48 = 0.530556

7-318...D#, G#, B, D#, F#, G#, D#
15:20:24:30:36:40:60 = 0.522222

7-319...D#, G#, B, D#, F#, B, D#
15:20:24:30:36:48:60 = 0.513889

7-320...D#, G#, B, D#, G#, B, D#
15:20:24:30:40:48:60 = 0.508333

7-321...D#, G#, B, F#, G#, B, D#
15:20:24:36:40:48:60 = 0.497222

7-322...D#, G#, D#, F#, G#, A#, D#
15:20:30:36:40:45:60 = 0.483333

7-323...D#, G#, D#, F#, G#, B, D#
15:20:30:36:40:48:60 = 0.480556

7-324...D#, B, D#, F#, G#, B, D#
15:24:30:36:40:48:60 = 0.463889

6-1...E, G, A, C, E, G
 15:18:20:24:30:36 = 0.55

 6-2...E, G, A, C, E, C
 15:18:20:24:30:48 = 0.536111

 6-3...E, G, A, C, E, E
 15:18:20:24:30:60 = 0.527778

 6-4...E, G, A, C, G, C
 15:18:20:24:36:48 = 0.525

 6-5...E, G, A, C, G, E
 15:18:20:24:36:60 = 0.516667

 6-6...E, G, A, C, C, E
 15:18:20:24:48:60 = 0.502778

 6-7...E, G, A, E, G, B
 15:18:20:30:36:45 = 0.511111

 6-8...E, G, A, E, G, C
 15:18:20:30:36:48 = 0.508333

 6-9...E, G, A, E, G, E
 15:18:20:30:36:60 = 0.5

 6-10...E, G, A, E, B, E
 15:18:20:30:45:60 = 0.488889

 6-11...E, G, A, E, C, E
 15:18:20:30:48:60 = 0.486111

 6-12...E, G, A, G, B, E
 15:18:20:36:45:60 = 0.477778

 6-13...E, G, A, G, C, E
 15:18:20:36:48:60 = 0.475

6-14...E, G, A#, D, E, G
5:6:7:9:10:12 = 1.60794

6-15...E, G, A#, D, E, B
5:6:7:9:10:15 = 1.5746

6-16...E, G, A#, D, G, B
5:6:7:9:12:15 = 1.54127

6-17...E, G, A#, E, G, A#
5:6:7:10:12:14 = 1.52857

6-18...E, G, A#, E, G, B
5:6:7:10:12:15 = 1.51905

6-19...E, G, A#, E, G, E
5:6:7:10:12:20 = 1.48571

6-20...E, G, A#, E, A#, E
5:6:7:10:14:20 = 1.4619

6-21...E, G, A#, E, B, E
5:6:7:10:15:20 = 1.45238

6-22...E, G, A#, G, A#, E
5:6:7:12:14:20 = 1.42857

6-23...E, G, A#, G, B, E
5:6:7:12:15:20 = 1.41905

6-24...E, G, B, D, E, G
10:12:15:18:20:24 = 0.794444

6-25...E, G, B, D, E, B
10:12:15:18:20:30 = 0.777778

6-26...E, G, B, D, E, D
10:12:15:18:20:36 = 0.766667

6-27...E, G, B, D, G, B
10:12:15:18:24:30 = 0.761111

6-28...E, G, B, D, G, D
10:12:15:18:24:36 = 0.75

6-29...E, G, B, D, B, D
10:12:15:18:30:36 = 0.733333

6-30...E, G, B, E, G, B
10:12:15:20:24:30 = 0.75

6-31...E, G, B, E, G, C
10:12:15:20:24:32 = 0.745833

6-32...E, G, B, E, G, D
10:12:15:20:24:36 = 0.738889

6-33...E, G, B, E, G, E
10:12:15:20:24:40 = 0.733333

6-34...E, G, B, E, B, D
10:12:15:20:30:36 = 0.722222

6-35...E, G, B, E, B, E
10:12:15:20:30:40 = 0.716667

6-36...E, G, B, E, C, D
10:12:15:20:32:36 = 0.718056

6-37...E, G, B, E, C, E
10:12:15:20:32:40 = 0.7125

6-38...E, G, B, E, D, E
10:12:15:20:36:40 = 0.705556

6-39...E, G, B, G, B, D
10:12:15:24:30:36 = 0.705556

6-40...E, G, B, G, B, E
10:12:15:24:30:40 = 0.7

6-41...E, G, B, G, C, D
10:12:15:24:32:36 = 0.701389

6-42...E, G, B, G, C, E
10:12:15:24:32:40 = 0.695833

6-43...E, G, B, G, D, E
10:12:15:24:36:40 = 0.688889

6-44...E, G, B, B, D, E
10:12:15:30:36:40 = 0.672222

6-45...E, G, D, E, G, B
5:6:9:10:12:15 = 1.45556

6-46...E, G, D, E, G, D
5:6:9:10:12:18 = 1.43333

6-47...E, G, D, E, B, D
5:6:9:10:15:18 = 1.4

6-48...E, G, D, G, B, D
5:6:9:12:15:18 = 1.36667

6-49...E, G, E, G, A#, D
5:6:10:12:14:18 = 1.35397

6-50...E, G, E, G, A#, E
5:6:10:12:14:20 = 1.34286

6-51...E, G, E, G, B, D
5:6:10:12:15:18 = 1.34444

6-52...E, G, E, G, B, E
5:6:10:12:15:20 = 1.33333

6-53...E, G, E, G, D, E
5:6:10:12:18:20 = 1.31111

6-54...E, G, E, A#, D, E
5:6:10:14:18:20 = 1.2873

6-55...E, G, E, B, D, E
5:6:10:15:18:20 = 1.27778

6-56...E, G, G, A#, D, E
5:6:12:14:18:20 = 1.25397

6-57...E, G, G, B, D, E
5:6:12:15:18:20 = 1.24444

6-58...E, G#, A#, C, E, F#
20:25:28:32:40:45 = 0.408373

6-59...E, G#, B, C#, E, G#
12:15:18:20:24:30 = 0.661111

6-60...E, G#, B, C#, E, B
12:15:18:20:24:36 = 0.65

6-61...E, G#, B, C#, E, E
12:15:18:20:24:48 = 0.636111

6-62...E, G#, B, C#, G#, B
12:15:18:20:30:36 = 0.633333

6-63...E, G#, B, C#, G#, D#
12:15:18:20:30:45 = 0.622222

6-64...E, G#, B, C#, G#, E
12:15:18:20:30:48 = 0.619444

6-65...E, G#, B, C#, B, D#
12:15:18:20:36:45 = 0.611111

6-66...E, G#, B, C#, B, E
12:15:18:20:36:48 = 0.608333

6-67...E, G#, C#, E, G#, B
12:15:20:24:30:36 = 0.605556

6-68...E, G#, C#, E, G#, C#
12:15:20:24:30:40 = 0.6

6-69...E, G#, C#, E, G#, E
12:15:20:24:30:48 = 0.591667

6-70...E, G#, C#, E, A, B
12:15:20:24:32:36 = 0.601389

6-71...E, G#, C#, E, A, C#
12:15:20:24:32:40 = 0.595833

6-72...E, G#, C#, E, A, E
12:15:20:24:32:48 = 0.5875

6-73...E, G#, C#, E, B, C#
12:15:20:24:36:40 = 0.588889

6-74...E, G#, C#, E, B, E
12:15:20:24:36:48 = 0.580556

6-75...E, G#, C#, E, C#, E
12:15:20:24:40:48 = 0.575

6-76...E, G#, C#, G#, B, C#
12:15:20:30:36:40 = 0.572222

6-77...E, G#, C#, G#, B, D#
12:15:20:30:36:45 = 0.566667

6-78...E, G#, C#, G#, B, E
12:15:20:30:36:48 = 0.563889

6-79...E, G#, C#, G#, C#, D#
12:15:20:30:40:45 = 0.561111

6-80...E, G#, C#, G#, C#, E
12:15:20:30:40:48 = 0.558333

6-81...E, G#, C#, A, B, C#
12:15:20:32:36:40 = 0.568056

6-82...E, G#, C#, A, B, D#
12:15:20:32:36:45 = 0.5625

6-83...E, G#, C#, A, B, E
12:15:20:32:36:48 = 0.559722

6-84...E, G#, C#, A, C#, D#
12:15:20:32:40:45 = 0.556944

6-85...E, G#, C#, A, C#, E
12:15:20:32:40:48 = 0.554167

6-86...E, G#, C#, B, C#, D#
12:15:20:36:40:45 = 0.55

6-87...E, G#, C#, B, C#, E
12:15:20:36:40:48 = 0.547222

6-88...E, G#, E, G#, B, C#
12:15:24:30:36:40 = 0.555556

6-89...E, G#, E, G#, C#, E
12:15:24:30:40:48 = 0.541667

6-90...E, G#, E, A, B, C#
12:15:24:32:36:40 = 0.551389

6-91...E, G#, E, A, B, E
12:15:24:32:36:48 = 0.543056

6-92...E, G#, E, A, C#, E
12:15:24:32:40:48 = 0.5375

6-93...E, G#, E, B, C#, E
12:15:24:36:40:48 = 0.530556

6-94...E, G#, G#, B, C#, D#
12:15:30:36:40:45 = 0.516667

6-95...E, G#, G#, B, C#, E
12:15:30:36:40:48 = 0.513889

6-96...E, A, B, C#, B, D#
12:16:18:20:36:45 = 0.602778

6-97...E, A, C, E, G, A
15:20:24:30:36:40 = 0.488889

6-98...E, A, C, E, G, C
15:20:24:30:36:48 = 0.480556

6-99...E, A, C, E, G, E
15:20:24:30:36:60 = 0.472222

6-100...E, A, C, E, A, C
15:20:24:30:40:48 = 0.475

6-101...E, A, C, E, A, E
15:20:24:30:40:60 = 0.466667

6-102...E, A, C, E, C, E
15:20:24:30:48:60 = 0.458333

6-103...E, A, C, G, A, C
15:20:24:36:40:48 = 0.463889

6-104...E, A, C, G, A, E
15:20:24:36:40:60 = 0.455556

6-105...E, A, C, G, C, E
15:20:24:36:48:60 = 0.447222

6-106...E, A, C, A, C, E
15:20:24:40:48:60 = 0.441667

6-107...E, A, C#, A, B, D#
12:16:20:32:36:45 = 0.554167

6-108...E, A, C#, A, C#, D#
12:16:20:32:40:45 = 0.548611

6-109...E, A, C#, B, C#, D#
12:16:20:36:40:45 = 0.541667

6-110...E, A, E, G, A, B
15:20:30:36:40:45 = 0.45

6-111...E, A, E, G, A, C
15:20:30:36:40:48 = 0.447222

6-112...E, A, E, G, A, E
15:20:30:36:40:60 = 0.438889

6-113...E, A, E, G, B, E
15:20:30:36:45:60 = 0.433333

6-114...E, A, E, G, C, E
15:20:30:36:48:60 = 0.430556

6-115...E, A, E, A, C, E
15:20:30:40:48:60 = 0.425

6-116...E, A, G, A, B, E
15:20:36:40:45:60 = 0.416667

6-117...E, A, G, A, C, E
15:20:36:40:48:60 = 0.413889

6-118...E, A, A, B, C#, D#
12:16:32:36:40:45 = 0.504167

6-119...E, A#, D, E, G, B
5:7:9:10:12:15 = 1.40794

6-120...E, A#, E, G, A#, E
5:7:10:12:14:20 = 1.29524

6-121...E, A#, E, G, B, E
5:7:10:12:15:20 = 1.28571

6-122...E, B, C#, E, G#, B
6:9:10:12:15:18 = 1.16667

6-123...E, B, C#, E, G#, E
6:9:10:12:15:24 = 1.13889

6-124...E, B, C#, E, B, E
6:9:10:12:18:24 = 1.11667

6-125...E, B, C#, G#, B, D#
12:18:20:30:36:45 = 0.544444

6-126...E, B, C#, G#, B, E
6:9:10:15:18:24 = 1.08333

6-127...E, B, D, E, G, B
10:15:18:20:24:30 = 0.694444

6-128...E, B, D, E, G, D
10:15:18:20:24:36 = 0.683333

6-129...E, B, D, E, B, D
10:15:18:20:30:36 = 0.666667

6-130...E, B, D, G, B, D
10:15:18:24:30:36 = 0.65

6-131...E, B, E, G, B, D
10:15:20:24:30:36 = 0.638889

6-132...E, B, E, G, B, E
10:15:20:24:30:40 = 0.633333

6-133...E, B, E, G, C, D
10:15:20:24:32:36 = 0.634722

6-134...E, B, E, G, C, E
10:15:20:24:32:40 = 0.629167

6-135...E, B, E, G, D, E
10:15:20:24:36:40 = 0.622222

6-136...E, B, E, G#, C, E
10:15:20:25:32:40 = 0.625833

6-137...E, B, E, B, D, E
10:15:20:30:36:40 = 0.605556

6-138...E, B, E, C, D, E
10:15:20:32:36:40 = 0.601389

6-139...E, B, G, B, D, E
10:15:24:30:36:40 = 0.588889

6-140...E, B, G, C, D, E
10:15:24:32:36:40 = 0.584722

6-141...E, C, E, G, A, C
15:24:30:36:40:48 = 0.430556

6-142...E, C, E, G, A, E
15:24:30:36:40:60 = 0.422222

6-143...E, C, E, A, C, E
15:24:30:40:48:60 = 0.408333

6-144...E, C#, E, G#, B, C#
6:10:12:15:18:20 = 1.04444

6-145...E, C#, E, G#, B, E
6:10:12:15:18:24 = 1.02778

6-146...E, C#, E, G#, C#, E
6:10:12:15:20:24 = 1.01667

6-147...E, C#, E, B, C#, E
3:5:6:9:10:12 = 1.98889

6-148...E, C#, G#, B, C#, D#
12:20:30:36:40:45 = 0.483333

6-149...E, C#, G#, B, C#, E
6:10:15:18:20:24 = 0.961111

6-150...E, C#, A, B, C#, D#
12:20:32:36:40:45 = 0.479167

6-151...E, D, E, G, B, D
5:9:10:12:15:18 = 1.23333

6-152...E, E, G, A#, D, E
5:10:12:14:18:20 = 1.12063

6-153...E, E, G, B, D, E
5:10:12:15:18:20 = 1.11111

6-154...E, E, G#, A#, C, E
10:20:25:28:32:40 = 0.563929

6-155...E, E, G#, B, C#, E
6:12:15:18:20:24 = 0.927778

6-156...F, G#, C, D#, F, A
12:14:18:21:24:30 = 0.665873

6-157...F, G#, C, D#, F, D#
12:14:18:21:24:42 = 0.646825

6-158...F, G#, C, D#, A, D#
12:14:18:21:30:42 = 0.630159

6-159...F, G#, C, D#, A, E
12:14:18:21:30:45 = 0.626984

6-160...F, G#, C, F, A, D#
6:7:9:12:15:21 = 1.23651

6-161...F, G#, D#, F, G#, D#
12:14:21:24:28:42 = 0.607143

6-162...F, G#, D#, F, A, D#
12:14:21:24:30:42 = 0.602381

6-163...F, A, B, D#, F, G
20:25:28:35:40:45 = 0.403016

6-164...F, B, F, G#, B, F
15:21:30:35:42:60 = 0.433333

6-165...F, B, F, G#, C, F
15:21:30:35:45:60 = 0.430159

6-166...F, B, F, B, D#, F
10:14:20:28:35:40 = 0.621429

6-167...F, B, F, C, D#, F
10:14:20:30:35:40 = 0.616667

6-168...F, D#, F, G#, C, D#
12:21:24:28:36:42 = 0.519841

6-169...F, D#, F, G#, C, F
12:21:24:28:36:48 = 0.513889

6-170...F, D#, F, G#, D#, F
 12:21:24:28:42:48 = 0.505952

6-171...F, D#, G#, C, D#, F
 12:21:28:36:42:48 = 0.478175

6-172...F, F, G#, C, D#, F
 6:12:14:18:21:24 = 0.93254

6-173...F, F, A, B, D#, F
 10:20:25:28:35:40 = 0.558571

6-174...F#, G#, B, D#, F#, B
 9:10:12:15:18:24 = 0.916667

6-175...F#, G#, B, D#, F#, D#
 9:10:12:15:18:30 = 0.9

6-176...F#, G#, B, D#, F#, F#
 9:10:12:15:18:36 = 0.888889

6-177...F#, G#, B, D#, B, D#
 9:10:12:15:24:30 = 0.872222

6-178...F#, G#, B, D#, B, F#
 9:10:12:15:24:36 = 0.861111

6-179...F#, G#, B, D#, D#, F#
 9:10:12:15:30:36 = 0.844444

6-180...F#, G#, B, F#, B, D#
 9:10:12:18:24:30 = 0.85

6-181...F#, G#, B, F#, B, F#
 9:10:12:18:24:36 = 0.838889

6-182...F#, G#, B, F#, D#, F#
 9:10:12:18:30:36 = 0.822222

6-183...F#, G#, B, B, D#, F#
9:10:12:24:30:36 = 0.794444

6-184...F#, G#, D#, F#, A#, D#
18:20:30:36:45:60 = 0.411111

6-185...F#, G#, D#, F#, A#, F#
18:20:30:36:45:72 = 0.405556

6-186...F#, G#, D#, F#, B, D#
9:10:15:18:24:30 = 0.816667

6-187...F#, G#, D#, F#, B, F#
9:10:15:18:24:36 = 0.805556

6-188...F#, G#, D#, F#, D#, F#
9:10:15:18:30:36 = 0.788889

6-189...F#, G#, D#, B, D#, F#
9:10:15:24:30:36 = 0.761111

6-190...F#, G#, F#, B, D#, F#
9:10:18:24:30:36 = 0.738889

6-191...F#, A#, D#, F#, A#, C
12:15:20:24:30:34 = 0.608824

6-192...F#, A#, D#, F#, A#, D#
12:15:20:24:30:40 = 0.6

6-193...F#, A#, D#, F#, A#, F#
12:15:20:24:30:48 = 0.591667

6-194...F#, A#, D#, F#, B, D#
12:15:20:24:32:40 = 0.595833

6-195...F#, A#, D#, F#, B, F#
12:15:20:24:32:48 = 0.5875

6-196...F#, A#, D#, F#, C, D#
12:15:20:24:34:40 = 0.592157

6-197...F#, A#, D#, F#, C, F#
12:15:20:24:34:48 = 0.583824

6-198...F#, A#, D#, F#, D#, F#
12:15:20:24:40:48 = 0.575

6-199...F#, A#, D#, A#, C, D#
12:15:20:30:34:40 = 0.57549

6-200...F#, A#, D#, A#, C, F#
12:15:20:30:34:48 = 0.567157

6-201...F#, A#, D#, A#, D#, F#
12:15:20:30:40:48 = 0.558333

6-202...F#, A#, D#, B, D#, F#
12:15:20:32:40:48 = 0.554167

6-203...F#, A#, D#, C, D#, F#
12:15:20:34:40:48 = 0.55049

6-204...F#, A#, F#, A#, C, D#
12:15:24:30:34:40 = 0.558824

6-205...F#, A#, F#, A#, C, F#
12:15:24:30:34:48 = 0.55049

6-206...F#, A#, F#, A#, D#, F#
12:15:24:30:40:48 = 0.541667

6-207...F#, A#, F#, B, D#, F#
12:15:24:32:40:48 = 0.5375

6-208...F#, A#, F#, C, D#, F#
12:15:24:34:40:48 = 0.533824

6-209...F#, A#, A#, C, D#, F#
12:15:30:34:40:48 = 0.517157

6-210...F#, B, D, F#, B, D
15:20:24:30:40:48 = 0.475

6-211...F#, B, D, F#, B, F#
15:20:24:30:40:60 = 0.466667

6-212...F#, B, D, F#, D, F#
15:20:24:30:48:60 = 0.458333

6-213...F#, B, D, B, D, F#
15:20:24:40:48:60 = 0.441667

6-214...F#, B, D#, B, D#, F
15:20:25:40:50:57 = 0.438421

6-215...F#, B, F#, B, D, F#
15:20:30:40:48:60 = 0.425

6-216...F#, D, F#, B, D, F#
15:24:30:40:48:60 = 0.408333

6-217...F#, D#, F#, A#, C, D#
6:10:12:15:17:20 = 1.05098

6-218...F#, D#, F#, A#, C, F#
6:10:12:15:17:24 = 1.03431

6-219...F#, D#, F#, A#, D#, F#
6:10:12:15:20:24 = 1.01667

6-220...F#, D#, F#, C, D#, F#
6:10:12:17:20:24 = 1.00098

6-221...F#, D#, A#, C, D#, F#
6:10:15:17:20:24 = 0.967647

6-222...F#, F#, A#, C, D#, F#

6:12:15:17:20:24 = 0.934314

6-223...G, A, C, E, G, C

9:10:12:15:18:24 = 0.916667

6-224...G, A, C, E, G, E

9:10:12:15:18:30 = 0.9

6-225...G, A, C, E, G, G

9:10:12:15:18:36 = 0.888889

6-226...G, A, C, E, C, E

9:10:12:15:24:30 = 0.872222

6-227...G, A, C, E, C, G

9:10:12:15:24:36 = 0.861111

6-228...G, A, C, E, E, G

9:10:12:15:30:36 = 0.844444

6-229...G, A, C, G, C, E

9:10:12:18:24:30 = 0.85

6-230...G, A, C, G, C, G

9:10:12:18:24:36 = 0.838889

6-231...G, A, C, G, E, G

9:10:12:18:30:36 = 0.822222

6-232...G, A, C, C, E, G

9:10:12:24:30:36 = 0.794444

6-233...G, A, E, G, B, E

18:20:30:36:45:60 = 0.411111

6-234...G, A, E, G, B, G

18:20:30:36:45:72 = 0.405556

6-235...G, A, E, G, C, E
9:10:15:18:24:30 = 0.816667

6-236...G, A, E, G, C, G
9:10:15:18:24:36 = 0.805556

6-237...G, A, E, G, E, G
9:10:15:18:30:36 = 0.788889

6-238...G, A, E, C, E, G
9:10:15:24:30:36 = 0.761111

6-239...G, A, G, C, E, G
9:10:18:24:30:36 = 0.738889

6-240...G, A#, C, E, A#, F#
12:14:16:20:28:45 = 0.650397

6-241...G, A#, C, E, C, F#
12:14:16:20:32:45 = 0.641468

6-242...G, A#, C, E, E, F#
12:14:16:20:40:45 = 0.628968

6-243...G, A#, C, A#, C, F#
12:14:16:28:32:45 = 0.612897

6-244...G, A#, C, A#, E, F#
12:14:16:28:40:45 = 0.600397

6-245...G, A#, C, C, E, F#
12:14:16:32:40:45 = 0.591468

6-246...G, A#, D, E, G, B
6:7:9:10:12:15 = 1.34127

6-247...G, A#, D, E, B, F#
12:14:18:20:30:45 = 0.631746

6-248...G, A#, E, G, A#, E
6:7:10:12:14:20 = 1.22857

6-249...G, A#, E, G, B, E
6:7:10:12:15:20 = 1.21905

6-250...G, A#, E, A#, C, F#
12:14:20:28:32:45 = 0.587897

6-251...G, A#, E, A#, E, F#
12:14:20:28:40:45 = 0.575397

6-252...G, A#, E, B, E, F#
12:14:20:30:40:45 = 0.570635

6-253...G, A#, E, C, E, F#
12:14:20:32:40:45 = 0.566468

6-254...G, A#, A#, C, E, F#
12:14:28:32:40:45 = 0.537897

6-255...G, B, D, E, G, B
12:15:18:20:24:30 = 0.661111

6-256...G, B, D, E, G, D
12:15:18:20:24:36 = 0.65

6-257...G, B, D, E, G, G
12:15:18:20:24:48 = 0.636111

6-258...G, B, D, E, B, D
12:15:18:20:30:36 = 0.633333

6-259...G, B, D, E, B, F#
12:15:18:20:30:45 = 0.622222

6-260...G, B, D, E, B, G
12:15:18:20:30:48 = 0.619444

6-261...G, B, D, E, D, F#
12:15:18:20:36:45 = 0.611111

6-262...G, B, D, E, D, G
12:15:18:20:36:48 = 0.608333

6-263...G, B, E, G, B, D
12:15:20:24:30:36 = 0.605556

6-264...G, B, E, G, B, E
12:15:20:24:30:40 = 0.6

6-265...G, B, E, G, B, G
12:15:20:24:30:48 = 0.591667

6-266...G, B, E, G, C, D
12:15:20:24:32:36 = 0.601389

6-267...G, B, E, G, C, E
12:15:20:24:32:40 = 0.595833

6-268...G, B, E, G, C, G
12:15:20:24:32:48 = 0.5875

6-269...G, B, E, G, D, E
12:15:20:24:36:40 = 0.588889

6-270...G, B, E, G, D, G
12:15:20:24:36:48 = 0.580556

6-271...G, B, E, G, E, G
12:15:20:24:40:48 = 0.575

6-272...G, B, E, B, D, E
12:15:20:30:36:40 = 0.572222

6-273...G, B, E, B, D, F#
12:15:20:30:36:45 = 0.566667

6-274...G, B, E, B, D, G
12:15:20:30:36:48 = 0.563889

6-275...G, B, E, B, E, F#
12:15:20:30:40:45 = 0.561111

6-276...G, B, E, B, E, G
12:15:20:30:40:48 = 0.558333

6-277...G, B, E, C, D, E
12:15:20:32:36:40 = 0.568056

6-278...G, B, E, C, D, F#
12:15:20:32:36:45 = 0.5625

6-279...G, B, E, C, D, G
12:15:20:32:36:48 = 0.559722

6-280...G, B, E, C, E, F#
12:15:20:32:40:45 = 0.556944

6-281...G, B, E, C, E, G
12:15:20:32:40:48 = 0.554167

6-282...G, B, E, D, E, F#
12:15:20:36:40:45 = 0.55

6-283...G, B, E, D, E, G
12:15:20:36:40:48 = 0.547222

6-284...G, B, G, B, D, E
12:15:24:30:36:40 = 0.555556

6-285...G, B, G, B, E, G
12:15:24:30:40:48 = 0.541667

6-286...G, B, G, C, D, E
12:15:24:32:36:40 = 0.551389

6-287...G, B, G, C, D, G
12:15:24:32:36:48 = 0.543056

6-288...G, B, G, C, E, G
12:15:24:32:40:48 = 0.5375

6-289...G, B, G, D, E, G
12:15:24:36:40:48 = 0.530556

6-290...G, B, B, D, E, F#
12:15:30:36:40:45 = 0.516667

6-291...G, B, B, D, E, G
12:15:30:36:40:48 = 0.513889

6-292...G, C, D, E, D, F#
12:16:18:20:36:45 = 0.602778

6-293...G, C, E, A#, C, F#
12:16:20:28:32:45 = 0.57004

6-294...G, C, E, A#, D, F#
12:16:20:28:36:45 = 0.563095

6-295...G, C, E, A#, E, F#
12:16:20:28:40:45 = 0.55754

6-296...G, C, E, C, D, F#
12:16:20:32:36:45 = 0.554167

6-297...G, C, E, C, E, F#
12:16:20:32:40:45 = 0.548611

6-298...G, C, E, D, E, F#
12:16:20:36:40:45 = 0.541667

6-299...G, C, A#, C, D, F#
12:16:28:32:36:45 = 0.525595

6-300...G, C, A#, C, E, F#
12:16:28:32:40:45 = 0.52004

6-301...G, C, A#, D, E, F#
12:16:28:36:40:45 = 0.513095

6-302...G, C, C, D, E, F#
12:16:32:36:40:45 = 0.504167

6-303...G, D, E, G, B, D
6:9:10:12:15:18 = 1.16667

6-304...G, D, E, G, B, G
6:9:10:12:15:24 = 1.13889

6-305...G, D, E, G, D, G
6:9:10:12:18:24 = 1.11667

6-306...G, D, E, B, D, F#
12:18:20:30:36:45 = 0.544444

6-307...G, D, E, B, D, G
6:9:10:15:18:24 = 1.08333

6-308...G, E, G, A#, D, E
3:5:6:7:9:10 = 2.10794

6-309...G, E, G, A#, D, G
3:5:6:7:9:12 = 2.0746

6-310...G, E, G, A#, E, G
3:5:6:7:10:12 = 2.05238

6-311...G, E, G, B, D, E
6:10:12:15:18:20 = 1.04444

6-312...G, E, G, B, D, G
6:10:12:15:18:24 = 1.02778

6-313...G, E, G, B, E, G
6:10:12:15:20:24 = 1.01667

6-314...G, E, G, D, E, G
3:5:6:9:10:12 = 1.98889

6-315...G, E, A#, C, D, F#
12:20:28:32:36:45 = 0.500595

6-316...G, E, A#, C, E, F#
12:20:28:32:40:45 = 0.49504

6-317...G, E, A#, D, E, F#
12:20:28:36:40:45 = 0.488095

6-318...G, E, A#, D, E, G
3:5:7:9:10:12 = 1.94127

6-319...G, E, B, D, E, F#
12:20:30:36:40:45 = 0.483333

6-320...G, E, B, D, E, G
6:10:15:18:20:24 = 0.961111

6-321...G, E, C, D, E, F#
12:20:32:36:40:45 = 0.479167

6-322...G, G, A#, D, E, G
3:6:7:9:10:12 = 1.8746

6-323...G, G, B, D, E, G
6:12:15:18:20:24 = 0.927778

6-324...G#, B, C#, E, G#, B
15:18:20:24:30:36 = 0.55

6-325...G#, B, C#, E, G#, E
15:18:20:24:30:48 = 0.536111

6-326...G#, B, C#, E, G#, G#
15:18:20:24:30:60 = 0.527778

6-327...G#, B, C#, E, B, E
15:18:20:24:36:48 = 0.525

6-328...G#, B, C#, E, B, G#
15:18:20:24:36:60 = 0.516667

6-329...G#, B, C#, E, E, G#
15:18:20:24:48:60 = 0.502778

6-330...G#, B, C#, G#, B, D#
15:18:20:30:36:45 = 0.511111

6-331...G#, B, C#, G#, B, E
15:18:20:30:36:48 = 0.508333

6-332...G#, B, C#, G#, B, G#
15:18:20:30:36:60 = 0.5

6-333...G#, B, C#, G#, D#, G#
15:18:20:30:45:60 = 0.488889

6-334...G#, B, C#, G#, E, G#
15:18:20:30:48:60 = 0.486111

6-335...G#, B, C#, B, D#, G#
15:18:20:36:45:60 = 0.477778

6-336...G#, B, C#, B, E, G#
15:18:20:36:48:60 = 0.475

6-337...G#, B, D#, F#, G#, B
10:12:15:18:20:24 = 0.794444

6-338...G#, B, D#, F#, G#, D#
10:12:15:18:20:30 = 0.777778

6-339...G#, B, D#, F#, G#, F#
10:12:15:18:20:36 = 0.766667

6-340...G#, B, D#, F#, B, D#
10:12:15:18:24:30 = 0.761111

6-341...G#, B, D#, F#, B, F#
10:12:15:18:24:36 = 0.75

6-342...G#, B, D#, F#, D#, F#
10:12:15:18:30:36 = 0.733333

6-343...G#, B, D#, G#, B, D#
10:12:15:20:24:30 = 0.75

6-344...G#, B, D#, G#, B, E
10:12:15:20:24:32 = 0.745833

6-345...G#, B, D#, G#, B, F#
10:12:15:20:24:36 = 0.738889

6-346...G#, B, D#, G#, B, G#
10:12:15:20:24:40 = 0.733333

6-347...G#, B, D#, G#, D#, F#
10:12:15:20:30:36 = 0.722222

6-348...G#, B, D#, G#, D#, G#
10:12:15:20:30:40 = 0.716667

6-349...G#, B, D#, G#, E, F#
10:12:15:20:32:36 = 0.718056

6-350...G#, B, D#, G#, E, G#
10:12:15:20:32:40 = 0.7125

6-351...G#, B, D#, G#, F#, G#
10:12:15:20:36:40 = 0.705556

6-352...G#, B, D#, B, D#, F#
10:12:15:24:30:36 = 0.705556

6-353...G#, B, D#, B, D#, G#
10:12:15:24:30:40 = 0.7

6-354...G#, B, D#, B, E, F#
10:12:15:24:32:36 = 0.701389

6-355...G#, B, D#, B, E, G#
10:12:15:24:32:40 = 0.695833

6-356...G#, B, D#, B, F#, G#
10:12:15:24:36:40 = 0.688889

6-357...G#, B, D#, D#, F#, G#
10:12:15:30:36:40 = 0.672222

6-358...G#, B, F#, G#, B, D#
5:6:9:10:12:15 = 1.45556

6-359...G#, B, F#, G#, B, F#
5:6:9:10:12:18 = 1.43333

6-360...G#, B, F#, G#, D#, F#
5:6:9:10:15:18 = 1.4

6-361...G#, B, F#, B, D#, F#
5:6:9:12:15:18 = 1.36667

6-362...G#, B, G#, B, D#, F#
5:6:10:12:15:18 = 1.34444

6-363...G#, B, G#, B, D#, G#
5:6:10:12:15:20 = 1.33333

6-364...G#, B, G#, B, F#, G#
5:6:10:12:18:20 = 1.31111

6-365...G#, B, G#, D#, F#, G#
5:6:10:15:18:20 = 1.27778

6-366...G#, B, B, D#, F#, G#
5:6:12:15:18:20 = 1.24444

6-367...G#, C, D#, F, A, D#
14:18:21:24:30:42 = 0.546825

6-368...G#, C#, E, G#, B, C#
15:20:24:30:36:40 = 0.488889

6-369...G#, C#, E, G#, B, E
15:20:24:30:36:48 = 0.480556

6-370...G#, C#, E, G#, B, G#
15:20:24:30:36:60 = 0.472222

6-371...G#, C#, E, G#, C#, E
15:20:24:30:40:48 = 0.475

6-372...G#, C#, E, G#, C#, G#
15:20:24:30:40:60 = 0.466667

6-373...G#, C#, E, G#, E, G#
15:20:24:30:48:60 = 0.458333

6-374...G#, C#, E, B, C#, E
15:20:24:36:40:48 = 0.463889

6-375...G#, C#, E, B, C#, G#
15:20:24:36:40:60 = 0.455556

6-376...G#, C#, E, B, E, G#
15:20:24:36:48:60 = 0.447222

6-377...G#, C#, E, C#, E, G#
15:20:24:40:48:60 = 0.441667

6-378...G#, C#, G#, B, C#, D#
15:20:30:36:40:45 = 0.45

6-379...G#, C#, G#, B, C#, E
15:20:30:36:40:48 = 0.447222

6-380...G#, C#, G#, B, C#, G#
15:20:30:36:40:60 = 0.438889

6-381...G#, C#, G#, B, D#, G#
15:20:30:36:45:60 = 0.433333

6-382...G#, C#, G#, B, E, G#
15:20:30:36:48:60 = 0.430556

6-383...G#, C#, G#, C#, E, G#
15:20:30:40:48:60 = 0.425

6-384...G#, C#, B, C#, D#, G#
15:20:36:40:45:60 = 0.416667

6-385...G#, C#, B, C#, E, G#
15:20:36:40:48:60 = 0.413889

6-386...G#, D#, F, G#, D#, G#
14:21:24:28:42:56 = 0.47619

6-387...G#, D#, F#, G#, B, D#
10:15:18:20:24:30 = 0.694444

6-388...G#, D#, F#, G#, B, F#
10:15:18:20:24:36 = 0.683333

6-389...G#, D#, F#, G#, D#, F#
10:15:18:20:30:36 = 0.666667

6-390...G#, D#, F#, B, D#, F#
10:15:18:24:30:36 = 0.65

6-391...G#, D#, G#, B, D#, F#
10:15:20:24:30:36 = 0.638889

6-392...G#, D#, G#, B, D#, G#
10:15:20:24:30:40 = 0.633333

6-393...G#, D#, G#, B, E, F#
10:15:20:24:32:36 = 0.634722

6-394...G#, D#, G#, B, E, G#
10:15:20:24:32:40 = 0.629167

6-395...G#, D#, G#, B, F#, G#
10:15:20:24:36:40 = 0.622222

6-396...G#, D#, G#, D#, F#, G#
10:15:20:30:36:40 = 0.605556

6-397...G#, D#, G#, E, F#, G#
10:15:20:32:36:40 = 0.601389

6-398...G#, D#, B, D#, F#, G#
10:15:24:30:36:40 = 0.588889

6-399...G#, D#, B, E, F#, G#
10:15:24:32:36:40 = 0.584722

6-400...G#, E, G#, B, C#, E
15:24:30:36:40:48 = 0.430556

6-401...G#, E, G#, B, C#, G#
15:24:30:36:40:60 = 0.422222

6-402...G#, E, G#, C#, E, G#
15:24:30:40:48:60 = 0.408333

6-403...G#, F#, G#, B, D#, F#
5:9:10:12:15:18 = 1.23333

6-404...G#, G#, B, D#, F#, G#
5:10:12:15:18:20 = 1.11111

6-405...A, C, D#, G, A, C
5:6:7:9:10:12 = 1.60794

6-406...A, C, D#, G, A, E
5:6:7:9:10:15 = 1.5746

6-407...A, C, D#, G, C, E
5:6:7:9:12:15 = 1.54127

6-408...A, C, D#, A, C, D#
5:6:7:10:12:14 = 1.52857

6-409...A, C, D#, A, C, E
5:6:7:10:12:15 = 1.51905

6-410...A, C, D#, A, C, A
5:6:7:10:12:20 = 1.48571

6-411...A, C, D#, A, D#, A
5:6:7:10:14:20 = 1.4619

6-412...A, C, D#, A, E, A
5:6:7:10:15:20 = 1.45238

6-413...A, C, D#, C, D#, A
5:6:7:12:14:20 = 1.42857

6-414...A, C, D#, C, E, A
5:6:7:12:15:20 = 1.41905

6-415...A, C, E, G, A, C
10:12:15:18:20:24 = 0.794444

6-416...A, C, E, G, A, E
10:12:15:18:20:30 = 0.777778

6-417...A, C, E, G, A, G
10:12:15:18:20:36 = 0.766667

6-418...A, C, E, G, C, E
10:12:15:18:24:30 = 0.761111

6-419...A, C, E, G, C, G
10:12:15:18:24:36 = 0.75

6-420...A, C, E, G, E, G
10:12:15:18:30:36 = 0.733333

6-421...A, C, E, A, C, E
10:12:15:20:24:30 = 0.75

6-422...A, C, E, A, C, F
10:12:15:20:24:32 = 0.745833

6-423...A, C, E, A, C, G
10:12:15:20:24:36 = 0.738889

6-424...A, C, E, A, C, A
10:12:15:20:24:40 = 0.733333

6-425...A, C, E, A, E, G
10:12:15:20:30:36 = 0.722222

6-426...A, C, E, A, E, A
10:12:15:20:30:40 = 0.716667

6-427...A, C, E, A, F, G
10:12:15:20:32:36 = 0.718056

6-428...A, C, E, A, F, A
10:12:15:20:32:40 = 0.7125

6-429...A, C, E, A, G, A
10:12:15:20:36:40 = 0.705556

6-430...A, C, E, C, E, G
10:12:15:24:30:36 = 0.705556

6-431...A, C, E, C, E, A
10:12:15:24:30:40 = 0.7

6-432...A, C, E, C, F, G
10:12:15:24:32:36 = 0.701389

6-433...A, C, E, C, F, A
10:12:15:24:32:40 = 0.695833

6-434...A, C, E, C, G, A
10:12:15:24:36:40 = 0.688889

6-435...A, C, E, E, G, A
10:12:15:30:36:40 = 0.672222

6-436...A, C, G, A, C, E
5:6:9:10:12:15 = 1.45556

6-437...A, C, G, A, C, G
5:6:9:10:12:18 = 1.43333

6-438...A, C, G, A, E, G
5:6:9:10:15:18 = 1.4

6-439...A, C, G, C, E, G
5:6:9:12:15:18 = 1.36667

6-440...A, C, A, C, D#, G
5:6:10:12:14:18 = 1.35397

6-441...A, C, A, C, D#, A
5:6:10:12:14:20 = 1.34286

6-442...A, C, A, C, E, G
5:6:10:12:15:18 = 1.34444

6-443...A, C, A, C, E, A
5:6:10:12:15:20 = 1.33333

6-444...A, C, A, C, G, A
5:6:10:12:18:20 = 1.31111

6-445...A, C, A, D#, G, A
5:6:10:14:18:20 = 1.2873

6-446...A, C, A, E, G, A
5:6:10:15:18:20 = 1.27778

6-447...A, C, C, D#, G, A
5:6:12:14:18:20 = 1.25397

6-448...A, C, C, E, G, A
5:6:12:15:18:20 = 1.24444

6-449...A, C#, D#, F, A, B
20:25:28:32:40:45 = 0.408373

6-450...A, D#, G, A, C, E
5:7:9:10:12:15 = 1.40794

6-451...A, D#, A, C, D#, A
5:7:10:12:14:20 = 1.29524

6-452...A, D#, A, C, E, A
5:7:10:12:15:20 = 1.28571

6-453...A, E, G, A, C, E
10:15:18:20:24:30 = 0.694444

6-454...A, E, G, A, C, G
10:15:18:20:24:36 = 0.683333

6-455...A, E, G, A, E, G
10:15:18:20:30:36 = 0.666667

6-456...A, E, G, C, E, G

10:15:18:24:30:36 = 0.65

6-457...A, E, A, C, E, G

10:15:20:24:30:36 = 0.638889

6-458...A, E, A, C, E, A

10:15:20:24:30:40 = 0.633333

6-459...A, E, A, C, F, G

10:15:20:24:32:36 = 0.634722

6-460...A, E, A, C, F, A

10:15:20:24:32:40 = 0.629167

6-461...A, E, A, C, G, A

10:15:20:24:36:40 = 0.622222

6-462...A, E, A, C#, F, A

10:15:20:25:32:40 = 0.625833

6-463...A, E, A, E, G, A

10:15:20:30:36:40 = 0.605556

6-464...A, E, A, F, G, A

10:15:20:32:36:40 = 0.601389

6-465...A, E, C, E, G, A

10:15:24:30:36:40 = 0.588889

6-466...A, E, C, F, G, A

10:15:24:32:36:40 = 0.584722

6-467...A, G, A, C, E, G

5:9:10:12:15:18 = 1.23333

6-468...A, A, C, D#, G, A

5:10:12:14:18:20 = 1.12063

6-469...A, A, C, E, G, A
5:10:12:15:18:20 = 1.11111

6-470...A, A, C#, D#, F, A
10:20:25:28:32:40 = 0.563929

6-471...A#, D#, F#, A#, D#, F#
15:20:24:30:40:48 = 0.475

6-472...A#, D#, F#, A#, D#, A#
15:20:24:30:40:60 = 0.466667

6-473...A#, D#, F#, A#, F#, A#
15:20:24:30:48:60 = 0.458333

6-474...A#, D#, F#, D#, F#, A#
15:20:24:40:48:60 = 0.441667

6-475...A#, D#, A#, D#, F#, A#
15:20:30:40:48:60 = 0.425

6-476...A#, F#, A#, D#, F#, A#
15:24:30:40:48:60 = 0.408333

6-477...B, C#, E, G#, B, E
9:10:12:15:18:24 = 0.916667

6-478...B, C#, E, G#, B, G#
9:10:12:15:18:30 = 0.9

6-479...B, C#, E, G#, B, B
9:10:12:15:18:36 = 0.888889

6-480...B, C#, E, G#, E, G#
9:10:12:15:24:30 = 0.872222

6-481...B, C#, E, G#, E, B
9:10:12:15:24:36 = 0.861111

6-482...B, C#, E, G#, G#, B
9:10:12:15:30:36 = 0.844444

6-483...B, C#, E, B, E, G#
9:10:12:18:24:30 = 0.85

6-484...B, C#, E, B, E, B
9:10:12:18:24:36 = 0.838889

6-485...B, C#, E, B, G#, B
9:10:12:18:30:36 = 0.822222

6-486...B, C#, E, E, G#, B
9:10:12:24:30:36 = 0.794444

6-487...B, C#, G#, B, D#, G#
18:20:30:36:45:60 = 0.411111

6-488...B, C#, G#, B, D#, B
18:20:30:36:45:72 = 0.405556

6-489...B, C#, G#, B, E, G#
9:10:15:18:24:30 = 0.816667

6-490...B, C#, G#, B, E, B
9:10:15:18:24:36 = 0.805556

6-491...B, C#, G#, B, G#, B
9:10:15:18:30:36 = 0.788889

6-492...B, C#, G#, E, G#, B
9:10:15:24:30:36 = 0.761111

6-493...B, C#, B, E, G#, B
9:10:18:24:30:36 = 0.738889

6-494...B, D, E, G, B, D
15:18:20:24:30:36 = 0.55

6-495...B, D, E, G, B, G
15:18:20:24:30:48 = 0.536111

6-496...B, D, E, G, B, B
15:18:20:24:30:60 = 0.527778

6-497...B, D, E, G, D, G
15:18:20:24:36:48 = 0.525

6-498...B, D, E, G, D, B
15:18:20:24:36:60 = 0.516667

6-499...B, D, E, G, G, B
15:18:20:24:48:60 = 0.502778

6-500...B, D, E, B, D, F#
15:18:20:30:36:45 = 0.511111

6-501...B, D, E, B, D, G
15:18:20:30:36:48 = 0.508333

6-502...B, D, E, B, D, B
15:18:20:30:36:60 = 0.5

6-503...B, D, E, B, F#, B
15:18:20:30:45:60 = 0.488889

6-504...B, D, E, B, G, B
15:18:20:30:48:60 = 0.486111

6-505...B, D, E, D, F#, B
15:18:20:36:45:60 = 0.477778

6-506...B, D, E, D, G, B
15:18:20:36:48:60 = 0.475

6-507...B, D, F#, B, D, F#
10:12:15:20:24:30 = 0.75

6-508...B, D, F#, B, D, G
10:12:15:20:24:32 = 0.745833

6-509...B, D, F#, B, D, B
10:12:15:20:24:40 = 0.733333

6-510...B, D, F#, B, F#, B
10:12:15:20:30:40 = 0.716667

6-511...B, D, F#, B, G, B
10:12:15:20:32:40 = 0.7125

6-512...B, D, F#, D, F#, B
10:12:15:24:30:40 = 0.7

6-513...B, D, F#, D, G, B
10:12:15:24:32:40 = 0.695833

6-514...B, D, B, D, F#, B
5:6:10:12:15:20 = 1.33333

6-515...B, D#, F#, G#, B, D#
12:15:18:20:24:30 = 0.661111

6-516...B, D#, F#, G#, B, F#
12:15:18:20:24:36 = 0.65

6-517...B, D#, F#, G#, B, B
12:15:18:20:24:48 = 0.636111

6-518...B, D#, F#, G#, D#, F#
12:15:18:20:30:36 = 0.633333

6-519...B, D#, F#, G#, D#, A#
12:15:18:20:30:45 = 0.622222

6-520...B, D#, F#, G#, D#, B
12:15:18:20:30:48 = 0.619444

6-521...B, D#, F#, G#, F#, A#
12:15:18:20:36:45 = 0.611111

6-522...B, D#, F#, G#, F#, B
12:15:18:20:36:48 = 0.608333

6-523...B, D#, G#, B, D#, F
12:15:20:24:30:34 = 0.608824

6-524...B, D#, G#, B, D#, F#
12:15:20:24:30:36 = 0.605556

6-525...B, D#, G#, B, D#, G#
12:15:20:24:30:40 = 0.6

6-526...B, D#, G#, B, D#, B
12:15:20:24:30:48 = 0.591667

6-527...B, D#, G#, B, E, F#
12:15:20:24:32:36 = 0.601389

6-528...B, D#, G#, B, E, G#
12:15:20:24:32:40 = 0.595833

6-529...B, D#, G#, B, E, B
12:15:20:24:32:48 = 0.5875

6-530...B, D#, G#, B, F, G#
12:15:20:24:34:40 = 0.592157

6-531...B, D#, G#, B, F, B
12:15:20:24:34:48 = 0.583824

6-532...B, D#, G#, B, F#, G#
12:15:20:24:36:40 = 0.588889

6-533...B, D#, G#, B, F#, B
12:15:20:24:36:48 = 0.580556

6-534...B, D#, G#, B, G#, B
12:15:20:24:40:48 = 0.575

6-535...B, D#, G#, D#, F, G#
12:15:20:30:34:40 = 0.57549

6-536...B, D#, G#, D#, F, B
12:15:20:30:34:48 = 0.567157

6-537...B, D#, G#, D#, F#, G#
12:15:20:30:36:40 = 0.572222

6-538...B, D#, G#, D#, F#, A#
12:15:20:30:36:45 = 0.566667

6-539...B, D#, G#, D#, F#, B
12:15:20:30:36:48 = 0.563889

6-540...B, D#, G#, D#, G#, A#
12:15:20:30:40:45 = 0.561111

6-541...B, D#, G#, D#, G#, B
12:15:20:30:40:48 = 0.558333

6-542...B, D#, G#, E, F#, G#
12:15:20:32:36:40 = 0.568056

6-543...B, D#, G#, E, F#, A#
12:15:20:32:36:45 = 0.5625

6-544...B, D#, G#, E, F#, B
12:15:20:32:36:48 = 0.559722

6-545...B, D#, G#, E, G#, A#
12:15:20:32:40:45 = 0.556944

6-546...B, D#, G#, E, G#, B
12:15:20:32:40:48 = 0.554167

6-547...B, D#, G#, F, G#, B
12:15:20:34:40:48 = 0.55049

6-548...B, D#, G#, F#, G#, A#
12:15:20:36:40:45 = 0.55

6-549...B, D#, G#, F#, G#, B
12:15:20:36:40:48 = 0.547222

6-550...B, D#, B, D#, F, G#
12:15:24:30:34:40 = 0.558824

6-551...B, D#, B, D#, F, B
12:15:24:30:34:48 = 0.55049

6-552...B, D#, B, D#, F#, G#
12:15:24:30:36:40 = 0.555556

6-553...B, D#, B, D#, G#, B
12:15:24:30:40:48 = 0.541667

6-554...B, D#, B, E, F#, G#
12:15:24:32:36:40 = 0.551389

6-555...B, D#, B, E, F#, B
12:15:24:32:36:48 = 0.543056

6-556...B, D#, B, E, G#, B
12:15:24:32:40:48 = 0.5375

6-557...B, D#, B, F, G#, B
12:15:24:34:40:48 = 0.533824

6-558...B, D#, B, F#, G#, B
12:15:24:36:40:48 = 0.530556

6-559...B, D#, D#, F, G#, B
12:15:30:34:40:48 = 0.517157

6-560...B, D#, D#, F#, G#, A#
12:15:30:36:40:45 = 0.516667

6-561...B, D#, D#, F#, G#, B
12:15:30:36:40:48 = 0.513889

6-562...B, E, F#, G#, F#, A#
12:16:18:20:36:45 = 0.602778

6-563...B, E, G, B, D, E
15:20:24:30:36:40 = 0.488889

6-564...B, E, G, B, D, G
15:20:24:30:36:48 = 0.480556

6-565...B, E, G, B, D, B
15:20:24:30:36:60 = 0.472222

6-566...B, E, G, B, E, G
15:20:24:30:40:48 = 0.475

6-567...B, E, G, B, E, B
15:20:24:30:40:60 = 0.466667

6-568...B, E, G, B, G, B
15:20:24:30:48:60 = 0.458333

6-569...B, E, G, D, E, G
15:20:24:36:40:48 = 0.463889

6-570...B, E, G, D, E, B
15:20:24:36:40:60 = 0.455556

6-571...B, E, G, D, G, B
15:20:24:36:48:60 = 0.447222

6-572...B, E, G, E, G, B
15:20:24:40:48:60 = 0.441667

6-573...B, E, G#, E, F#, A#
12:16:20:32:36:45 = 0.554167

6-574...B, E, G#, E, G#, A#
12:16:20:32:40:45 = 0.548611

6-575...B, E, G#, F#, G#, A#
12:16:20:36:40:45 = 0.541667

6-576...B, E, B, D, E, F#
15:20:30:36:40:45 = 0.45

6-577...B, E, B, D, E, G
15:20:30:36:40:48 = 0.447222

6-578...B, E, B, D, E, B
15:20:30:36:40:60 = 0.438889

6-579...B, E, B, D, F#, B
15:20:30:36:45:60 = 0.433333

6-580...B, E, B, D, G, B
15:20:30:36:48:60 = 0.430556

6-581...B, E, B, E, G, B
15:20:30:40:48:60 = 0.425

6-582...B, E, D, E, F#, B
15:20:36:40:45:60 = 0.416667

6-583...B, E, D, E, G, B
15:20:36:40:48:60 = 0.413889

6-584...B, E, E, F#, G#, A#
12:16:32:36:40:45 = 0.504167

6-585...B, F#, G#, B, D#, F#
6:9:10:12:15:18 = 1.16667

6-586...B, F#, G#, B, D#, B
6:9:10:12:15:24 = 1.13889

6-587...B, F#, G#, B, F#, B
6:9:10:12:18:24 = 1.11667

6-588...B, F#, G#, D#, F#, A#
12:18:20:30:36:45 = 0.544444

6-589...B, F#, G#, D#, F#, B
6:9:10:15:18:24 = 1.08333

6-590...B, F#, B, D, F#, B
10:15:20:24:30:40 = 0.633333

6-591...B, F#, B, D, G, B
10:15:20:24:32:40 = 0.629167

6-592...B, F#, B, D#, G, B
10:15:20:25:32:40 = 0.625833

6-593...B, G, B, D, E, G
15:24:30:36:40:48 = 0.430556

6-594...B, G, B, D, E, B
15:24:30:36:40:60 = 0.422222

6-595...B, G, B, E, G, B
15:24:30:40:48:60 = 0.408333

6-596...B, G#, B, D#, F, G#
6:10:12:15:17:20 = 1.05098

6-597...B, G#, B, D#, F, B
6:10:12:15:17:24 = 1.03431

6-598...B, G#, B, D#, F#, G#
6:10:12:15:18:20 = 1.04444

6-599...B, G#, B, D#, F#, B
6:10:12:15:18:24 = 1.02778

6-600...B, G#, B, D#, G#, B
6:10:12:15:20:24 = 1.01667

6-601...B, G#, B, F, G#, B
6:10:12:17:20:24 = 1.00098

6-602...B, G#, B, F#, G#, B
3:5:6:9:10:12 = 1.98889

6-603...B, G#, D#, F, G#, B
6:10:15:17:20:24 = 0.967647

6-604...B, G#, D#, F#, G#, A#
12:20:30:36:40:45 = 0.483333

6-605...B, G#, D#, F#, G#, B
6:10:15:18:20:24 = 0.961111

6-606...B, G#, E, F#, G#, A#
12:20:32:36:40:45 = 0.479167

6-607...B, B, D#, F, G#, B
6:12:15:17:20:24 = 0.934314

6-608...B, B, D#, F#, G#, B
6:12:15:18:20:24 = 0.927778

6-609...C, D#, F, A, D#, B
12:14:16:20:28:45 = 0.650397

6-610...C, D#, F, A, F, B
12:14:16:20:32:45 = 0.641468

6-611...C, D#, F, A, A, B
12:14:16:20:40:45 = 0.628968

6-612...C, D#, F, D#, F, B
12:14:16:28:32:45 = 0.612897

6-613...C, D#, F, D#, A, B
12:14:16:28:40:45 = 0.600397

6-614...C, D#, F, F, A, B
12:14:16:32:40:45 = 0.591468

6-615...C, D#, G, A, C, E
6:7:9:10:12:15 = 1.34127

6-616...C, D#, G, A, E, B
12:14:18:20:30:45 = 0.631746

6-617...C, D#, G, A#, C, E
12:14:18:21:24:30 = 0.665873

6-618...C, D#, G, A#, C, A#
12:14:18:21:24:42 = 0.646825

6-619...C, D#, G, A#, E, A#
12:14:18:21:30:42 = 0.630159

6-620...C, D#, G, A#, E, B
12:14:18:21:30:45 = 0.626984

6-621...C, D#, G, C, E, A#
6:7:9:12:15:21 = 1.23651

6-622...C, D#, A, C, D#, A
6:7:10:12:14:20 = 1.22857

6-623...C, D#, A, C, E, A
6:7:10:12:15:20 = 1.21905

6-624...C, D#, A, D#, F, B
12:14:20:28:32:45 = 0.587897

6-625...C, D#, A, D#, A, B
12:14:20:28:40:45 = 0.575397

6-626...C, D#, A, E, A, B
12:14:20:30:40:45 = 0.570635

6-627...C, D#, A, F, A, B
12:14:20:32:40:45 = 0.566468

6-628...C, D#, A#, C, D#, A#
12:14:21:24:28:42 = 0.607143

6-629...C, D#, A#, C, E, A#
12:14:21:24:30:42 = 0.602381

6-630...C, D#, D#, F, A, B
12:14:28:32:40:45 = 0.537897

6-631...C, E, F#, A#, C, D
20:25:28:35:40:45 = 0.403016

6-632...C, E, G, A, C, E
12:15:18:20:24:30 = 0.661111

6-633...C, E, G, A, C, G
12:15:18:20:24:36 = 0.65

6-634...C, E, G, A, C, C
12:15:18:20:24:48 = 0.636111

6-635...C, E, G, A, E, G
12:15:18:20:30:36 = 0.633333

6-636...C, E, G, A, E, B
12:15:18:20:30:45 = 0.622222

6-637...C, E, G, A, E, C
12:15:18:20:30:48 = 0.619444

6-638...C, E, G, A, G, B
12:15:18:20:36:45 = 0.611111

6-639...C, E, G, A, G, C
12:15:18:20:36:48 = 0.608333

6-640...C, E, A, C, E, G
12:15:20:24:30:36 = 0.605556

6-641...C, E, A, C, E, A
12:15:20:24:30:40 = 0.6

6-642...C, E, A, C, E, C
12:15:20:24:30:48 = 0.591667

6-643...C, E, A, C, F, G
12:15:20:24:32:36 = 0.601389

6-644...C, E, A, C, F, A
12:15:20:24:32:40 = 0.595833

6-645...C, E, A, C, F, C
12:15:20:24:32:48 = 0.5875

6-646...C, E, A, C, G, A
12:15:20:24:36:40 = 0.588889

6-647...C, E, A, C, G, C
12:15:20:24:36:48 = 0.580556

6-648...C, E, A, C, A, C
12:15:20:24:40:48 = 0.575

6-649...C, E, A, E, G, A
12:15:20:30:36:40 = 0.572222

6-650...C, E, A, E, G, B
12:15:20:30:36:45 = 0.566667

6-651...C, E, A, E, G, C
12:15:20:30:36:48 = 0.563889

6-652...C, E, A, E, A, B
12:15:20:30:40:45 = 0.561111

6-653...C, E, A, E, A, C
12:15:20:30:40:48 = 0.558333

6-654...C, E, A, F, G, A
12:15:20:32:36:40 = 0.568056

6-655...C, E, A, F, G, B
12:15:20:32:36:45 = 0.5625

6-656...C, E, A, F, G, C
12:15:20:32:36:48 = 0.559722

6-657...C, E, A, F, A, B
12:15:20:32:40:45 = 0.556944

6-658...C, E, A, F, A, C
12:15:20:32:40:48 = 0.554167

6-659...C, E, A, G, A, B
12:15:20:36:40:45 = 0.55

6-660...C, E, A, G, A, C
12:15:20:36:40:48 = 0.547222

6-661...C, E, C, E, G, A
12:15:24:30:36:40 = 0.555556

6-662...C, E, C, E, A, C
12:15:24:30:40:48 = 0.541667

6-663...C, E, C, F, G, A
12:15:24:32:36:40 = 0.551389

6-664...C, E, C, F, G, C
12:15:24:32:36:48 = 0.543056

6-665...C, E, C, F, A, C
12:15:24:32:40:48 = 0.5375

6-666...C, E, C, G, A, C
12:15:24:36:40:48 = 0.530556

6-667...C, E, E, G, A, B
12:15:30:36:40:45 = 0.516667

6-668...C, E, E, G, A, C
12:15:30:36:40:48 = 0.513889

6-669...C, F, G, A, G, B
12:16:18:20:36:45 = 0.602778

6-670...C, F, A, D#, F, B
12:16:20:28:32:45 = 0.57004

6-671...C, F, A, D#, G, B
12:16:20:28:36:45 = 0.563095

6-672...C, F, A, D#, A, B
12:16:20:28:40:45 = 0.55754

6-673...C, F, A, F, G, B
12:16:20:32:36:45 = 0.554167

6-674...C, F, A, F, A, B
12:16:20:32:40:45 = 0.548611

6-675...C, F, A, G, A, B
12:16:20:36:40:45 = 0.541667

6-676...C, F, D#, F, G, B
12:16:28:32:36:45 = 0.525595

6-677...C, F, D#, F, A, B
12:16:28:32:40:45 = 0.52004

6-678...C, F, D#, G, A, B
12:16:28:36:40:45 = 0.513095

6-679...C, F, F, G, A, B
12:16:32:36:40:45 = 0.504167

6-680...C, F#, C, D#, F#, C
15:21:30:35:42:60 = 0.433333

6-681...C, F#, C, D#, G, C
15:21:30:35:45:60 = 0.430159

6-682...C, F#, C, F#, A#, C
10:14:20:28:35:40 = 0.621429

6-683...C, F#, C, G, A#, C
10:14:20:30:35:40 = 0.616667

6-684...C, G, A, C, E, G
6:9:10:12:15:18 = 1.16667

6-685...C, G, A, C, E, C
6:9:10:12:15:24 = 1.13889

6-686...C, G, A, C, G, C
6:9:10:12:18:24 = 1.11667

6-687...C, G, A, E, G, B
12:18:20:30:36:45 = 0.544444

6-688...C, G, A, E, G, C
6:9:10:15:18:24 = 1.08333

6-689...C, A, C, D#, G, A
3:5:6:7:9:10 = 2.10794

6-690...C, A, C, D#, G, C
3:5:6:7:9:12 = 2.0746

6-691...C, A, C, D#, A, C
3:5:6:7:10:12 = 2.05238

6-692...C, A, C, E, G, A
6:10:12:15:18:20 = 1.04444

6-693...C, A, C, E, G, C
6:10:12:15:18:24 = 1.02778

6-694...C, A, C, E, A, C
6:10:12:15:20:24 = 1.01667

6-695...C, A, C, G, A, C
3:5:6:9:10:12 = 1.98889

6-696...C, A, D#, F, G, B
12:20:28:32:36:45 = 0.500595

6-697...C, A, D#, F, A, B
12:20:28:32:40:45 = 0.49504

6-698...C, A, D#, G, A, B
12:20:28:36:40:45 = 0.488095

6-699...C, A, D#, G, A, C
3:5:7:9:10:12 = 1.94127

6-700...C, A, E, G, A, B
12:20:30:36:40:45 = 0.483333

6-701...C, A, E, G, A, C
6:10:15:18:20:24 = 0.961111

6-702...C, A, F, G, A, B
12:20:32:36:40:45 = 0.479167

6-703...C, A#, C, D#, G, A#
12:21:24:28:36:42 = 0.519841

6-704...C, A#, C, D#, G, C
12:21:24:28:36:48 = 0.513889

6-705...C, A#, C, D#, A#, C
12:21:24:28:42:48 = 0.505952

6-706...C, A#, D#, G, A#, C
12:21:28:36:42:48 = 0.478175

6-707...C, C, D#, G, A, C
3:6:7:9:10:12 = 1.8746

6-708...C, C, D#, G, A#, C
6:12:14:18:21:24 = 0.93254

6-709...C, C, E, F#, A#, C
10:20:25:28:35:40 = 0.558571

6-710...C, C, E, G, A, C
6:12:15:18:20:24 = 0.927778

6-711...C#, E, G#, B, C#, E
10:12:15:18:20:24 = 0.794444

6-712...C#, E, G#, B, C#, G#
10:12:15:18:20:30 = 0.777778

6-713...C#, E, G#, B, C#, B
10:12:15:18:20:36 = 0.766667

6-714...C#, E, G#, B, E, G#
10:12:15:18:24:30 = 0.761111

6-715...C#, E, G#, B, E, B
10:12:15:18:24:36 = 0.75

6-716...C#, E, G#, B, G#, B
10:12:15:18:30:36 = 0.733333

6-717...C#, E, G#, C#, E, G#
10:12:15:20:24:30 = 0.75

6-718...C#, E, G#, C#, E, A
10:12:15:20:24:32 = 0.745833

6-719...C#, E, G#, C#, E, B
10:12:15:20:24:36 = 0.738889

6-720...C#, E, G#, C#, E, C#
10:12:15:20:24:40 = 0.733333

6-721...C#, E, G#, C#, G#, B
10:12:15:20:30:36 = 0.722222

6-722...C#, E, G#, C#, G#, C#
10:12:15:20:30:40 = 0.716667

6-723...C#, E, G#, C#, A, B
10:12:15:20:32:36 = 0.718056

6-724...C#, E, G#, C#, A, C#
10:12:15:20:32:40 = 0.7125

6-725...C#, E, G#, C#, B, C#
10:12:15:20:36:40 = 0.705556

6-726...C#, E, G#, E, G#, B
10:12:15:24:30:36 = 0.705556

6-727...C#, E, G#, E, G#, C#
10:12:15:24:30:40 = 0.7

6-728...C#, E, G#, E, A, B
10:12:15:24:32:36 = 0.701389

6-729...C#, E, G#, E, A, C#
10:12:15:24:32:40 = 0.695833

6-730...C#, E, G#, E, B, C#
10:12:15:24:36:40 = 0.688889

6-731...C#, E, G#, G#, B, C#
10:12:15:30:36:40 = 0.672222

6-732...C#, E, B, C#, E, G#
5:6:9:10:12:15 = 1.45556

6-733...C#, E, B, C#, E, B
5:6:9:10:12:18 = 1.43333

6-734...C#, E, B, C#, G#, B
5:6:9:10:15:18 = 1.4

6-735...C#, E, B, E, G#, B
5:6:9:12:15:18 = 1.36667

6-736...C#, E, C#, E, G#, B
5:6:10:12:15:18 = 1.34444

6-737...C#, E, C#, E, G#, C#
5:6:10:12:15:20 = 1.33333

6-738...C#, E, C#, E, B, C#
5:6:10:12:18:20 = 1.31111

6-739...C#, E, C#, G#, B, C#
5:6:10:15:18:20 = 1.27778

6-740...C#, E, E, G#, B, C#
5:6:12:15:18:20 = 1.24444

6-741...C#, G#, B, C#, E, G#
10:15:18:20:24:30 = 0.694444

6-742...C#, G#, B, C#, E, B
10:15:18:20:24:36 = 0.683333

6-743...C#, G#, B, C#, G#, B
10:15:18:20:30:36 = 0.666667

6-744...C#, G#, B, E, G#, B
10:15:18:24:30:36 = 0.65

6-745...C#, G#, C#, E, G#, B
10:15:20:24:30:36 = 0.638889

6-746...C#, G#, C#, E, G#, C#
10:15:20:24:30:40 = 0.633333

6-747...C#, G#, C#, E, A, B
10:15:20:24:32:36 = 0.634722

6-748...C#, G#, C#, E, A, C#
10:15:20:24:32:40 = 0.629167

6-749...C#, G#, C#, E, B, C#
10:15:20:24:36:40 = 0.622222

6-750...C#, G#, C#, G#, B, C#
10:15:20:30:36:40 = 0.605556

6-751...C#, G#, C#, A, B, C#
10:15:20:32:36:40 = 0.601389

6-752...C#, G#, E, G#, B, C#
10:15:24:30:36:40 = 0.588889

6-753...C#, G#, E, A, B, C#
10:15:24:32:36:40 = 0.584722

6-754...C#, B, C#, E, G#, B
5:9:10:12:15:18 = 1.23333

6-755...C#, C#, E, G#, B, C#
5:10:12:15:18:20 = 1.11111

6-756...D, E, G, B, D, G
9:10:12:15:18:24 = 0.916667

6-757...D, E, G, B, D, B
9:10:12:15:18:30 = 0.9

6-758...D, E, G, B, D, D
9:10:12:15:18:36 = 0.888889

6-759...D, E, G, B, G, B
9:10:12:15:24:30 = 0.872222

6-760...D, E, G, B, G, D
9:10:12:15:24:36 = 0.861111

6-761...D, E, G, B, B, D
9:10:12:15:30:36 = 0.844444

6-762...D, E, G, D, G, B
9:10:12:18:24:30 = 0.85

6-763...D, E, G, D, G, D
9:10:12:18:24:36 = 0.838889

6-764...D, E, G, D, B, D
9:10:12:18:30:36 = 0.822222

6-765...D, E, G, G, B, D
9:10:12:24:30:36 = 0.794444

6-766...D, E, B, D, F#, B
18:20:30:36:45:60 = 0.411111

6-767...D, E, B, D, F#, D
18:20:30:36:45:72 = 0.405556

6-768...D, E, B, D, G, B
9:10:15:18:24:30 = 0.816667

6-769...D, E, B, D, G, D
9:10:15:18:24:36 = 0.805556

6-770...D, E, B, D, B, D
9:10:15:18:30:36 = 0.788889

6-771...D, E, B, G, B, D
9:10:15:24:30:36 = 0.761111

6-772...D, E, D, G, B, D
9:10:18:24:30:36 = 0.738889

6-773...D, F#, B, D, F#, B
12:15:20:24:30:40 = 0.6

6-774...D, F#, B, D, F#, D
12:15:20:24:30:48 = 0.591667

6-775...D, F#, B, D, G, B
12:15:20:24:32:40 = 0.595833

6-776...D, F#, B, D, G, D
12:15:20:24:32:48 = 0.5875

6-777...D, F#, B, D, B, D
12:15:20:24:40:48 = 0.575

6-778...D, F#, B, F#, B, D
12:15:20:30:40:48 = 0.558333

6-779...D, F#, B, G, B, D
12:15:20:32:40:48 = 0.554167

6-780...D, F#, D, F#, B, D
12:15:24:30:40:48 = 0.541667

6-781...D, F#, D, G, B, D
12:15:24:32:40:48 = 0.5375

6-782...D, B, D, F#, B, D
6:10:12:15:20:24 = 1.01667

6-783...D#, F#, G#, B, D#, F#
15:18:20:24:30:36 = 0.55

6-784...D#, F#, G#, B, D#, B
15:18:20:24:30:48 = 0.536111

6-785...D#, F#, G#, B, D#, D#
15:18:20:24:30:60 = 0.527778

6-786...D#, F#, G#, B, F#, B
15:18:20:24:36:48 = 0.525

6-787...D#, F#, G#, B, F#, D#
15:18:20:24:36:60 = 0.516667

6-788...D#, F#, G#, B, B, D#
15:18:20:24:48:60 = 0.502778

6-789...D#, F#, G#, D#, F#, A#
15:18:20:30:36:45 = 0.511111

6-790...D#, F#, G#, D#, F#, B
15:18:20:30:36:48 = 0.508333

6-791...D#, F#, G#, D#, F#, D#
15:18:20:30:36:60 = 0.5

6-792...D#, F#, G#, D#, A#, D#
15:18:20:30:45:60 = 0.488889

6-793...D#, F#, G#, D#, B, D#
15:18:20:30:48:60 = 0.486111

6-794...D#, F#, G#, F#, A#, D#
15:18:20:36:45:60 = 0.477778

6-795...D#, F#, G#, F#, B, D#
15:18:20:36:48:60 = 0.475

6-796...D#, F#, A#, D#, F#, A#
10:12:15:20:24:30 = 0.75

6-797...D#, F#, A#, D#, F#, B
10:12:15:20:24:32 = 0.745833

6-798...D#, F#, A#, D#, F#, D#
10:12:15:20:24:40 = 0.733333

6-799...D#, F#, A#, D#, A#, D#
10:12:15:20:30:40 = 0.716667

6-800...D#, F#, A#, D#, B, D#
10:12:15:20:32:40 = 0.7125

6-801...D#, F#, A#, F#, A#, D#
10:12:15:24:30:40 = 0.7

6-802...D#, F#, A#, F#, B, D#
10:12:15:24:32:40 = 0.695833

6-803...D#, F#, D#, F#, A#, D#
5:6:10:12:15:20 = 1.33333

6-804...D#, G, A#, C, E, A#
14:18:21:24:30:42 = 0.546825

6-805...D#, G#, B, D#, F#, G#
15:20:24:30:36:40 = 0.488889

6-806...D#, G#, B, D#, F#, B
15:20:24:30:36:48 = 0.480556

6-807...D#, G#, B, D#, F#, D#
15:20:24:30:36:60 = 0.472222

6-808...D#, G#, B, D#, G#, B
15:20:24:30:40:48 = 0.475

6-809...D#, G#, B, D#, G#, D#
15:20:24:30:40:60 = 0.466667

6-810...D#, G#, B, D#, B, D#
15:20:24:30:48:60 = 0.458333

6-811...D#, G#, B, F#, G#, B
15:20:24:36:40:48 = 0.463889

6-812...D#, G#, B, F#, G#, D#
15:20:24:36:40:60 = 0.455556

6-813...D#, G#, B, F#, B, D#
15:20:24:36:48:60 = 0.447222

6-814...D#, G#, B, G#, B, D#
15:20:24:40:48:60 = 0.441667

6-815...D#, G#, D#, F#, G#, A#
15:20:30:36:40:45 = 0.45

6-816...D#, G#, D#, F#, G#, B
15:20:30:36:40:48 = 0.447222

6-817...D#, G#, D#, F#, G#, D#
15:20:30:36:40:60 = 0.438889

6-818...D#, G#, D#, F#, A#, D#
15:20:30:36:45:60 = 0.433333

6-819...D#, G#, D#, F#, B, D#
15:20:30:36:48:60 = 0.430556

6-820...D#, G#, D#, G#, B, D#
15:20:30:40:48:60 = 0.425

6-821...D#, G#, F#, G#, A#, D#
15:20:36:40:45:60 = 0.416667

6-822...D#, G#, F#, G#, B, D#
15:20:36:40:48:60 = 0.413889

6-823...D#, A#, C, D#, A#, D#
14:21:24:28:42:56 = 0.47619

6-824...D#, A#, D#, F#, A#, D#
10:15:20:24:30:40 = 0.633333

6-825...D#, A#, D#, F#, B, D#
10:15:20:24:32:40 = 0.629167

6-826...D#, B, D#, F#, G#, B
15:24:30:36:40:48 = 0.430556

6-827...D#, B, D#, F#, G#, D#
15:24:30:36:40:60 = 0.422222

6-828...D#, B, D#, G#, B, D#
15:24:30:40:48:60 = 0.408333

5-1...E, F#, F#, B, D#
8:9:18:24:30 = 0.733333

5-2...E, G, A, C, E
15:18:20:24:30 = 0.494444

5-3...E, G, A, C, G
15:18:20:24:36 = 0.483333

5-4...E, G, A, C, C
15:18:20:24:48 = 0.469444

5-5...E, G, A, E, G
15:18:20:30:36 = 0.466667

5-6...E, G, A, E, B
15:18:20:30:45 = 0.455556

5-7...E, G, A, E, C
15:18:20:30:48 = 0.452778

5-8...E, G, A, E, E
15:18:20:30:60 = 0.444444

5-9...E, G, A, G, B
15:18:20:36:45 = 0.444444

5-10...E, G, A, G, C
15:18:20:36:48 = 0.441667

5-11...E, G, A, G, E
15:18:20:36:60 = 0.433333

5-12...E, G, A#, D, E
5:6:7:9:10 = 1.44127

5-13...E, G, A#, D, G
5:6:7:9:12 = 1.40794

5-14...E, G, A#, D, B
5:6:7:9:15 = 1.3746

5-15...E, G, A#, E, G
5:6:7:10:12 = 1.38571

5-16...E, G, A#, E, A#
5:6:7:10:14 = 1.3619

5-17...E, G, A#, E, B
5:6:7:10:15 = 1.35238

5-18...E, G, A#, E, E
5:6:7:10:20 = 1.31905

5-19...E, G, A#, G, A#
5:6:7:12:14 = 1.32857

5-20...E, G, A#, G, B
5:6:7:12:15 = 1.31905

5-21...E, G, A#, G, E
5:6:7:12:20 = 1.28571

5-22...E, G, A#, A#, E
5:6:7:14:20 = 1.2619

5-23...E, G, B, D, E
10:12:15:18:20 = 0.711111

5-24...E, G, B, D, G
10:12:15:18:24 = 0.694444

5-25...E, G, B, D, B
10:12:15:18:30 = 0.677778

5-26...E, G, B, D, D
10:12:15:18:36 = 0.666667

5-27...E, G, B, E, G
10:12:15:20:24 = 0.683333

5-28...E, G, B, E, B
10:12:15:20:30 = 0.666667

5-29...E, G, B, E, C
10:12:15:20:32 = 0.6625

5-30...E, G, B, E, D
10:12:15:20:36 = 0.655556

5-31...E, G, B, E, E
10:12:15:20:40 = 0.65

5-32...E, G, B, G, B
10:12:15:24:30 = 0.65

5-33...E, G, B, G, C
10:12:15:24:32 = 0.645833

5-34...E, G, B, G, D
10:12:15:24:36 = 0.638889

5-35...E, G, B, G, E
10:12:15:24:40 = 0.633333

5-36...E, G, B, B, D
10:12:15:30:36 = 0.622222

5-37...E, G, B, B, E
10:12:15:30:40 = 0.616667

5-38...E, G, D, E, G
5:6:9:10:12 = 1.32222

5-39...E, G, D, E, B
5:6:9:10:15 = 1.28889

5-40...E, G, D, E, D
5:6:9:10:18 = 1.26667

5-41...E, G, D, G, B
5:6:9:12:15 = 1.25556

5-42...E, G, D, G, D
5:6:9:12:18 = 1.23333

5-43...E, G, D, B, D
5:6:9:15:18 = 1.2

5-44...E, G, E, G, A#
5:6:10:12:14 = 1.24286

5-45...E, G, E, G, B
5:6:10:12:15 = 1.23333

5-46...E, G, E, G, D
5:6:10:12:18 = 1.21111

5-47...E, G, E, G, E
5:6:10:12:20 = 1.2

5-48...E, G, E, A#, D
5:6:10:14:18 = 1.1873

5-49...E, G, E, A#, E
5:6:10:14:20 = 1.17619

5-50...E, G, E, B, D
5:6:10:15:18 = 1.17778

5-51...E, G, E, B, E
5:6:10:15:20 = 1.16667

5-52...E, G, E, D, E
5:6:10:18:20 = 1.14444

5-53...E, G, G, A#, D
5:6:12:14:18 = 1.15397

5-54...E, G, G, A#, E
5:6:12:14:20 = 1.14286

5-55...E, G, G, B, D
5:6:12:15:18 = 1.14444

5-56...E, G, G, B, E
5:6:12:15:20 = 1.13333

5-57...E, G, G, D, E
5:6:12:18:20 = 1.11111

5-58...E, G#, B, C#, E
12:15:18:20:24 = 0.594444

5-59...E, G#, B, C#, G#
12:15:18:20:30 = 0.577778

5-60...E, G#, B, C#, B
12:15:18:20:36 = 0.566667

5-61...E, G#, C#, E, G#
12:15:20:24:30 = 0.55

5-62...E, G#, C#, E, A
12:15:20:24:32 = 0.545833

5-63...E, G#, C#, E, B
12:15:20:24:36 = 0.538889

5-64...E, G#, C#, E, C#
12:15:20:24:40 = 0.533333

5-65...E, G#, C#, E, E
12:15:20:24:48 = 0.525

5-66...E, G#, C#, G#, B
12:15:20:30:36 = 0.522222

5-67...E, G#, C#, G#, C#
12:15:20:30:40 = 0.516667

5-68...E, G#, C#, G#, D#
12:15:20:30:45 = 0.511111

5-69...E, G#, C#, G#, E
12:15:20:30:48 = 0.508333

5-70...E, G#, C#, A, B
12:15:20:32:36 = 0.518056

5-71...E, G#, C#, A, C#
12:15:20:32:40 = 0.5125

5-72...E, G#, C#, A, D#
12:15:20:32:45 = 0.506944

5-73...E, G#, C#, A, E
12:15:20:32:48 = 0.504167

5-74...E, G#, C#, B, C#
12:15:20:36:40 = 0.505556

5-75...E, G#, C#, B, D#
12:15:20:36:45 = 0.5

5-76...E, G#, C#, B, E
12:15:20:36:48 = 0.497222

5-77...E, G#, C#, C#, D#
12:15:20:40:45 = 0.494444

5-78...E, G#, C#, C#, E
12:15:20:40:48 = 0.491667

5-79...E, G#, E, G#, C#
12:15:24:30:40 = 0.5

5-80...E, G#, E, A, B
12:15:24:32:36 = 0.501389

5-81...E, G#, E, A, C#
12:15:24:32:40 = 0.495833

5-82...E, G#, E, A, E
12:15:24:32:48 = 0.4875

5-83...E, G#, E, B, C#
12:15:24:36:40 = 0.488889

5-84...E, G#, E, C#, E
12:15:24:40:48 = 0.475

5-85...E, G#, G#, B, C#
12:15:30:36:40 = 0.472222

5-86...E, G#, G#, C#, D#
12:15:30:40:45 = 0.461111

5-87...E, G#, G#, C#, E
12:15:30:40:48 = 0.458333

5-88...E, A, B, B, D#
12:16:18:36:45 = 0.502778

5-89...E, A, C, E, G
15:20:24:30:36 = 0.438889

5-90...E, A, C, E, A
15:20:24:30:40 = 0.433333

5-91...E, A, C, E, C
15:20:24:30:48 = 0.425

5-92...E, A, C, E, E
15:20:24:30:60 = 0.416667

5-93...E, A, C, G, A
15:20:24:36:40 = 0.422222

5-94...E, A, C, G, C
15:20:24:36:48 = 0.413889

5-95...E, A, C, G, E
15:20:24:36:60 = 0.405556

5-96...E, A, C, A, C
15:20:24:40:48 = 0.408333

5-97...E, A, C#, A, D#
12:16:20:32:45 = 0.498611

5-98...E, A, C#, B, D#
12:16:20:36:45 = 0.491667

5-99...E, A, C#, C#, D#
12:16:20:40:45 = 0.486111

5-100...E, A, E, G, A
15:20:30:36:40 = 0.405556

5-101...E, A, A, B, D#
12:16:32:36:45 = 0.454167

5-102...E, A, A, C#, D#
12:16:32:40:45 = 0.448611

5-103...E, A#, D, E, G
5:7:9:10:12 = 1.2746

5-104...E, A#, D, E, B
5:7:9:10:15 = 1.24127

5-105...E, A#, D, G, B
5:7:9:12:15 = 1.20794

5-106...E, A#, E, G, A#
5:7:10:12:14 = 1.19524

5-107...E, A#, E, G, B
5:7:10:12:15 = 1.18571

5-108...E, A#, E, G, E
5:7:10:12:20 = 1.15238

5-109...E, A#, E, A#, E
5:7:10:14:20 = 1.12857

5-110...E, A#, E, B, E
5:7:10:15:20 = 1.11905

5-111...E, A#, G, A#, E
5:7:12:14:20 = 1.09524

5-112...E, A#, G, B, E
5:7:12:15:20 = 1.08571

5-113...E, B, C#, E, G#
6:9:10:12:15 = 1.05556

5-114...E, B, C#, E, B
6:9:10:12:18 = 1.03333

5-115...E, B, C#, E, E
6:9:10:12:24 = 1.00556

5-116...E, B, C#, G#, B
6:9:10:15:18 = 1

5-117...E, B, C#, G#, D#
12:18:20:30:45 = 0.488889

5-118...E, B, C#, G#, E
6:9:10:15:24 = 0.972222

5-119...E, B, C#, B, D#
12:18:20:36:45 = 0.477778

5-120...E, B, C#, B, E
6:9:10:18:24 = 0.95

5-121...E, B, D, E, G
10:15:18:20:24 = 0.627778

5-122...E, B, D, E, B
10:15:18:20:30 = 0.611111

5-123...E, B, D, E, D
10:15:18:20:36 = 0.6

5-124...E, B, D, G, B
10:15:18:24:30 = 0.594444

5-125...E, B, D, G, D
10:15:18:24:36 = 0.583333

5-126...E, B, D, B, D
10:15:18:30:36 = 0.566667

5-127...E, B, E, G, B
10:15:20:24:30 = 0.583333

5-128...E, B, E, G, C
10:15:20:24:32 = 0.579167

5-129...E, B, E, G, D
10:15:20:24:36 = 0.572222

5-130...E, B, E, G, E
10:15:20:24:40 = 0.566667

5-131...E, B, E, G#, C
10:15:20:25:32 = 0.575833

5-132...E, B, E, B, D
10:15:20:30:36 = 0.555556

5-133...E, B, E, C, D
10:15:20:32:36 = 0.551389

5-134...E, B, E, C, E
10:15:20:32:40 = 0.545833

5-135...E, B, E, D, E
10:15:20:36:40 = 0.538889

5-136...E, B, F, G#, B
14:21:30:35:42 = 0.409524

5-137...E, B, G, B, D
10:15:24:30:36 = 0.538889

5-138...E, B, G, B, E
10:15:24:30:40 = 0.533333

5-139...E, B, G, C, D
10:15:24:32:36 = 0.534722

5-140...E, B, G, C, E
10:15:24:32:40 = 0.529167

5-141...E, B, G, D, E
10:15:24:36:40 = 0.522222

5-142...E, B, G#, C, E
10:15:25:32:40 = 0.525833

5-143...E, B, B, D, E
10:15:30:36:40 = 0.505556

5-144...E, C#, E, G#, B
6:10:12:15:18 = 0.944444

5-145...E, C#, E, G#, C#
6:10:12:15:20 = 0.933333

5-146...E, C#, E, G#, E
6:10:12:15:24 = 0.916667

5-147...E, C#, E, B, C#
3:5:6:9:10 = 1.82222

5-148...E, C#, E, B, E
3:5:6:9:12 = 1.78889

5-149...E, C#, E, C#, E
3:5:6:10:12 = 1.76667

5-150...E, C#, G#, B, C#
6:10:15:18:20 = 0.877778

5-151...E, C#, G#, B, D#
12:20:30:36:45 = 0.433333

5-152...E, C#, G#, B, E
6:10:15:18:24 = 0.861111

5-153...E, C#, G#, C#, D#
12:20:30:40:45 = 0.427778

5-154...E, C#, G#, C#, E
6:10:15:20:24 = 0.85

5-155...E, C#, A, B, D#
12:20:32:36:45 = 0.429167

5-156...E, C#, A, C#, D#
12:20:32:40:45 = 0.423611

5-157...E, C#, B, C#, D#
12:20:36:40:45 = 0.416667

5-158...E, C#, B, C#, E
3:5:9:10:12 = 1.65556

5-159...E, D, E, G, B
5:9:10:12:15 = 1.12222

5-160...E, D, E, G, D
5:9:10:12:18 = 1.1

5-161...E, D, E, B, D
5:9:10:15:18 = 1.06667

5-162...E, D, G, B, D
5:9:12:15:18 = 1.03333

5-163...E, E, G, A#, D
5:10:12:14:18 = 1.02063

5-164...E, E, G, A#, E
5:10:12:14:20 = 1.00952

5-165...E, E, G, B, D
5:10:12:15:18 = 1.01111

5-166...E, E, G, B, E
5:10:12:15:20 = 1

5-167...E, E, G, D, E
5:10:12:18:20 = 0.977778

5-168...E, E, G#, A#, C
10:20:25:28:32 = 0.513929

5-169...E, E, G#, A#, E
10:20:25:28:40 = 0.501429

5-170...E, E, G#, B, C#
6:12:15:18:20 = 0.844444

5-171...E, E, G#, C, E
10:20:25:32:40 = 0.4925

5-172...E, E, G#, C#, E
6:12:15:20:24 = 0.816667

5-173...E, E, A#, D, E
5:10:14:18:20 = 0.953968

5-174...E, E, B, C#, E
3:6:9:10:12 = 1.58889

5-175...E, E, B, D, E
5:10:15:18:20 = 0.944444

5-176...F, G, G, C, E
8:9:18:24:30 = 0.733333

5-177...F, G#, C, D#, F
12:14:18:21:24 = 0.599206

5-178...F, G#, C, D#, A
12:14:18:21:30 = 0.58254

5-179...F, G#, C, D#, D#
12:14:18:21:42 = 0.563492

5-180...F, G#, C, F, A
6:7:9:12:15 = 1.14127

5-181...F, G#, C, F, D#
6:7:9:12:21 = 1.10317

5-182...F, G#, C, A, D#
6:7:9:15:21 = 1.06984

5-183...F, G#, C, A, E
12:14:18:30:45 = 0.531746

5-184...F, G#, D#, F, G#
12:14:21:24:28 = 0.559524

5-185...F, G#, D#, F, A
12:14:21:24:30 = 0.554762

5-186...F, G#, D#, F, D#
12:14:21:24:42 = 0.535714

5-187...F, G#, D#, G#, D#
12:14:21:28:42 = 0.52381

5-188...F, G#, D#, G#, E
12:14:21:28:45 = 0.520635

5-189...F, G#, D#, A, D#
12:14:21:30:42 = 0.519048

5-190...F, G#, D#, A, E
12:14:21:30:45 = 0.515873

5-191...F, G#, F, G#, D#
6:7:12:14:21 = 1.02381

5-192...F, G#, F, A, D#
6:7:12:15:21 = 1.01429

5-193...F, B, F, G#, B
15:21:30:35:42 = 0.4

5-194...F, B, F, B, D#
10:14:20:28:35 = 0.571429

5-195...F, B, F, B, F
5:7:10:14:20 = 1.12857

5-196...F, B, F, C, D#
10:14:20:30:35 = 0.566667

5-197...F, B, F, C, F
5:7:10:15:20 = 1.11905

5-198...F, B, F, D#, F
10:14:20:35:40 = 0.55

5-199...F, B, B, D#, F
10:14:28:35:40 = 0.521429

5-200...F, D#, F, G#, C
12:21:24:28:36 = 0.472222

5-201...F, D#, F, G#, D#
12:21:24:28:42 = 0.464286

5-202...F, D#, F, G#, F
12:21:24:28:48 = 0.458333

5-203...F, D#, G#, C, D#
12:21:28:36:42 = 0.436508

5-204...F, D#, G#, C, E
12:21:28:36:45 = 0.433333

5-205...F, D#, G#, C, F
12:21:28:36:48 = 0.430556

5-206...F, D#, G#, D#, F
12:21:28:42:48 = 0.422619

5-207...F, F, G#, C, D#
6:12:14:18:21 = 0.849206

5-208...F, F, G#, C, F
3:6:7:9:12 = 1.6746

5-209...F, F, G#, D#, F
6:12:14:21:24 = 0.821429

5-210...F, F, A, B, D#
10:20:25:28:35 = 0.508571

5-211...F, F, A, B, F
10:20:25:28:40 = 0.501429

5-212...F, F, B, D#, F
10:20:28:35:40 = 0.478571

5-213...F#, G#, B, D#, F#
9:10:12:15:18 = 0.833333

5-214...F#, G#, B, D#, B
9:10:12:15:24 = 0.805556

5-215...F#, G#, B, D#, D#
9:10:12:15:30 = 0.788889

5-216...F#, G#, B, F#, B
9:10:12:18:24 = 0.783333

5-217...F#, G#, B, F#, D#
9:10:12:18:30 = 0.766667

5-218...F#, G#, B, F#, F#
9:10:12:18:36 = 0.755556

5-219...F#, G#, B, B, D#
9:10:12:24:30 = 0.738889

5-220...F#, G#, B, B, F#
9:10:12:24:36 = 0.727778

5-221...F#, G#, D#, F#, B
9:10:15:18:24 = 0.75

5-222...F#, G#, D#, F#, D#
9:10:15:18:30 = 0.733333

5-223...F#, G#, D#, F#, F#
9:10:15:18:36 = 0.722222

5-224...F#, G#, D#, B, D#
9:10:15:24:30 = 0.705556

5-225...F#, G#, D#, B, F#
9:10:15:24:36 = 0.694444

5-226...F#, G#, D#, D#, F#
9:10:15:30:36 = 0.677778

5-227...F#, G#, F#, B, D#
9:10:18:24:30 = 0.683333

5-228...F#, G#, F#, B, F#
9:10:18:24:36 = 0.672222

5-229...F#, G#, F#, D#, F#
9:10:18:30:36 = 0.655556

5-230...F#, A#, D#, F#, A#
12:15:20:24:30 = 0.55

5-231...F#, A#, D#, F#, B
12:15:20:24:32 = 0.545833

5-232...F#, A#, D#, F#, C
12:15:20:24:34 = 0.542157

5-233...F#, A#, D#, F#, D#
12:15:20:24:40 = 0.533333

5-234...F#, A#, D#, F#, F#
12:15:20:24:48 = 0.525

5-235...F#, A#, D#, A#, C
12:15:20:30:34 = 0.52549

5-236...F#, A#, D#, A#, D#
12:15:20:30:40 = 0.516667

5-237...F#, A#, D#, A#, F#
12:15:20:30:48 = 0.508333

5-238...F#, A#, D#, B, D#
12:15:20:32:40 = 0.5125

5-239...F#, A#, D#, B, F#
12:15:20:32:48 = 0.504167

5-240...F#, A#, D#, C, D#
12:15:20:34:40 = 0.508824

5-241...F#, A#, D#, C, F#
12:15:20:34:48 = 0.50049

5-242...F#, A#, D#, D#, F#
12:15:20:40:48 = 0.491667

5-243...F#, A#, F#, A#, C
12:15:24:30:34 = 0.508824

5-244...F#, A#, F#, A#, D#
12:15:24:30:40 = 0.5

5-245...F#, A#, F#, B, D#
12:15:24:32:40 = 0.495833

5-246...F#, A#, F#, B, F#
12:15:24:32:48 = 0.4875

5-247...F#, A#, F#, C, D#
12:15:24:34:40 = 0.492157

5-248...F#, A#, F#, C, F#
12:15:24:34:48 = 0.483824

5-249...F#, A#, F#, D#, F#
12:15:24:40:48 = 0.475

5-250...F#, A#, A#, C, D#
12:15:30:34:40 = 0.47549

5-251...F#, A#, A#, C, F#
12:15:30:34:48 = 0.467157

5-252...F#, A#, A#, D#, F#
12:15:30:40:48 = 0.458333

5-253...F#, B, D, F#, B
15:20:24:30:40 = 0.433333

5-254...F#, B, D, F#, D
15:20:24:30:48 = 0.425

5-255...F#, B, D, F#, F#
15:20:24:30:60 = 0.416667

5-256...F#, B, D, B, D
15:20:24:40:48 = 0.408333

5-257...F#, C, F#, A#, F#
14:20:28:35:56 = 0.407143

5-258...F#, D#, F#, A#, C
6:10:12:15:17 = 0.95098

5-259...F#, D#, F#, A#, D#
6:10:12:15:20 = 0.933333

5-260...F#, D#, F#, A#, F#
6:10:12:15:24 = 0.916667

5-261...F#, D#, F#, C, D#
6:10:12:17:20 = 0.917647

5-262...F#, D#, F#, C, F#
6:10:12:17:24 = 0.90098

5-263...F#, D#, F#, D#, F#
3:5:6:10:12 = 1.76667

5-264...F#, D#, A#, C, D#
6:10:15:17:20 = 0.884314

5-265...F#, D#, A#, C, F#
6:10:15:17:24 = 0.867647

5-266...F#, D#, A#, D#, F#
6:10:15:20:24 = 0.85

5-267...F#, D#, C, D#, F#
6:10:17:20:24 = 0.834314

5-268...F#, F#, A#, C, D#
6:12:15:17:20 = 0.85098

5-269...F#, F#, A#, C, F#
6:12:15:17:24 = 0.834314

5-270...F#, F#, A#, D, F#
10:20:25:32:40 = 0.4925

5-271...F#, F#, A#, D#, F#
6:12:15:20:24 = 0.816667

5-272...F#, F#, C, D#, F#
6:12:17:20:24 = 0.80098

5-273...G, A, C, E, G
9:10:12:15:18 = 0.833333

5-274...G, A, C, E, C
9:10:12:15:24 = 0.805556

5-275...G, A, C, E, E
9:10:12:15:30 = 0.788889

5-276...G, A, C, G, C
9:10:12:18:24 = 0.783333

5-277...G, A, C, G, E
9:10:12:18:30 = 0.766667

5-278...G, A, C, G, G
9:10:12:18:36 = 0.755556

5-279...G, A, C, C, E
9:10:12:24:30 = 0.738889

5-280...G, A, C, C, G
9:10:12:24:36 = 0.727778

5-281...G, A, E, G, C
9:10:15:18:24 = 0.75

5-282...G, A, E, G, E
9:10:15:18:30 = 0.733333

5-283...G, A, E, G, G
9:10:15:18:36 = 0.722222

5-284...G, A, E, C, E
9:10:15:24:30 = 0.705556

5-285...G, A, E, C, G
9:10:15:24:36 = 0.694444

5-286...G, A, E, E, G
9:10:15:30:36 = 0.677778

5-287...G, A, G, C, E
 9:10:18:24:30 = 0.683333

5-288...G, A, G, C, G
 9:10:18:24:36 = 0.672222

5-289...G, A, G, E, G
 9:10:18:30:36 = 0.655556

5-290...G, A#, C, A#, F#
 12:14:16:28:45 = 0.550397

5-291...G, A#, C, C, F#
 12:14:16:32:45 = 0.541468

5-292...G, A#, D, E, G
 6:7:9:10:12 = 1.20794

5-293...G, A#, D, E, B
 6:7:9:10:15 = 1.1746

5-294...G, A#, D, G, B
 6:7:9:12:15 = 1.14127

5-295...G, A#, D, B, F#
 12:14:18:30:45 = 0.531746

5-296...G, A#, E, G, A#
 6:7:10:12:14 = 1.12857

5-297...G, A#, E, G, B
 6:7:10:12:15 = 1.11905

5-298...G, A#, E, G, E
 6:7:10:12:20 = 1.08571

5-299...G, A#, E, A#, E
 6:7:10:14:20 = 1.0619

5-300...G, A#, E, A#, F#
12:14:20:28:45 = 0.525397

5-301...G, A#, E, B, E
6:7:10:15:20 = 1.05238

5-302...G, A#, E, B, F#
12:14:20:30:45 = 0.520635

5-303...G, A#, E, C, F#
12:14:20:32:45 = 0.516468

5-304...G, A#, E, E, F#
12:14:20:40:45 = 0.503968

5-305...G, A#, G, A#, E
6:7:12:14:20 = 1.02857

5-306...G, A#, G, B, E
6:7:12:15:20 = 1.01905

5-307...G, A#, A#, C, F#
12:14:28:32:45 = 0.487897

5-308...G, A#, A#, E, F#
12:14:28:40:45 = 0.475397

5-309...G, B, D, E, G
12:15:18:20:24 = 0.594444

5-310...G, B, D, E, B
12:15:18:20:30 = 0.577778

5-311...G, B, D, E, D
12:15:18:20:36 = 0.566667

5-312...G, B, E, G, B
12:15:20:24:30 = 0.55

5-313...G, B, E, G, C
12:15:20:24:32 = 0.545833

5-314...G, B, E, G, D
12:15:20:24:36 = 0.538889

5-315...G, B, E, G, E
12:15:20:24:40 = 0.533333

5-316...G, B, E, G, G
12:15:20:24:48 = 0.525

5-317...G, B, E, B, D
12:15:20:30:36 = 0.522222

5-318...G, B, E, B, E
12:15:20:30:40 = 0.516667

5-319...G, B, E, B, F#
12:15:20:30:45 = 0.511111

5-320...G, B, E, B, G
12:15:20:30:48 = 0.508333

5-321...G, B, E, C, D
12:15:20:32:36 = 0.518056

5-322...G, B, E, C, E
12:15:20:32:40 = 0.5125

5-323...G, B, E, C, F#
12:15:20:32:45 = 0.506944

5-324...G, B, E, C, G
12:15:20:32:48 = 0.504167

5-325...G, B, E, D, E
12:15:20:36:40 = 0.505556

5-326...G, B, E, D, F#

12:15:20:36:45 = 0.5

5-327...G, B, E, D, G

12:15:20:36:48 = 0.497222

5-328...G, B, E, E, F#

12:15:20:40:45 = 0.494444

5-329...G, B, E, E, G

12:15:20:40:48 = 0.491667

5-330...G, B, G, B, E

12:15:24:30:40 = 0.5

5-331...G, B, G, C, D

12:15:24:32:36 = 0.501389

5-332...G, B, G, C, E

12:15:24:32:40 = 0.495833

5-333...G, B, G, C, G

12:15:24:32:48 = 0.4875

5-334...G, B, G, D, E

12:15:24:36:40 = 0.488889

5-335...G, B, G, E, G

12:15:24:40:48 = 0.475

5-336...G, B, B, D, E

12:15:30:36:40 = 0.472222

5-337...G, B, B, E, F#

12:15:30:40:45 = 0.461111

5-338...G, B, B, E, G

12:15:30:40:48 = 0.458333

5-339...G, C, D, D, F#
12:16:18:36:45 = 0.502778

5-340...G, C, E, A#, F#
12:16:20:28:45 = 0.50754

5-341...G, C, E, C, F#
12:16:20:32:45 = 0.498611

5-342...G, C, E, D, F#
12:16:20:36:45 = 0.491667

5-343...G, C, E, E, F#
12:16:20:40:45 = 0.486111

5-344...G, C, A#, C, F#
12:16:28:32:45 = 0.47004

5-345...G, C, A#, D, F#
12:16:28:36:45 = 0.463095

5-346...G, C, A#, E, F#
12:16:28:40:45 = 0.45754

5-347...G, C, C, D, F#
12:16:32:36:45 = 0.454167

5-348...G, C, C, E, F#
12:16:32:40:45 = 0.448611

5-349...G, D, E, G, B
6:9:10:12:15 = 1.05556

5-350...G, D, E, G, D
6:9:10:12:18 = 1.03333

5-351...G, D, E, G, G
6:9:10:12:24 = 1.00556

5-352...G, D, E, B, D

6:9:10:15:18 = 1

5-353...G, D, E, B, F#

12:18:20:30:45 = 0.488889

5-354...G, D, E, B, G

6:9:10:15:24 = 0.972222

5-355...G, D, E, D, F#

12:18:20:36:45 = 0.477778

5-356...G, D, E, D, G

6:9:10:18:24 = 0.95

5-357...G, E, G, A#, D

3:5:6:7:9 = 1.90794

5-358...G, E, G, A#, E

3:5:6:7:10 = 1.88571

5-359...G, E, G, A#, G

3:5:6:7:12 = 1.85238

5-360...G, E, G, B, D

6:10:12:15:18 = 0.944444

5-361...G, E, G, B, E

6:10:12:15:20 = 0.933333

5-362...G, E, G, B, G

6:10:12:15:24 = 0.916667

5-363...G, E, G, D, E

3:5:6:9:10 = 1.82222

5-364...G, E, G, D, G

3:5:6:9:12 = 1.78889

5-365...G, E, G, E, G
3:5:6:10:12 = 1.76667

5-366...G, E, A#, C, F#
12:20:28:32:45 = 0.44504

5-367...G, E, A#, D, E
3:5:7:9:10 = 1.7746

5-368...G, E, A#, D, F#
12:20:28:36:45 = 0.438095

5-369...G, E, A#, D, G
3:5:7:9:12 = 1.74127

5-370...G, E, A#, E, F#
12:20:28:40:45 = 0.43254

5-371...G, E, A#, E, G
3:5:7:10:12 = 1.71905

5-372...G, E, B, D, E
6:10:15:18:20 = 0.877778

5-373...G, E, B, D, F#
12:20:30:36:45 = 0.433333

5-374...G, E, B, D, G
6:10:15:18:24 = 0.861111

5-375...G, E, B, E, F#
12:20:30:40:45 = 0.427778

5-376...G, E, B, E, G
6:10:15:20:24 = 0.85

5-377...G, E, C, D, F#
12:20:32:36:45 = 0.429167

5-378...G, E, C, E, F#
12:20:32:40:45 = 0.423611

5-379...G, E, D, E, F#
12:20:36:40:45 = 0.416667

5-380...G, E, D, E, G
3:5:9:10:12 = 1.65556

5-381...G, G, A#, D, E
3:6:7:9:10 = 1.70794

5-382...G, G, A#, D, G
3:6:7:9:12 = 1.6746

5-383...G, G, A#, E, G
3:6:7:10:12 = 1.65238

5-384...G, G, B, D, E
6:12:15:18:20 = 0.844444

5-385...G, G, B, E, G
6:12:15:20:24 = 0.816667

5-386...G, G, D, E, G
3:6:9:10:12 = 1.58889

5-387...G#, B, C#, E, G#
15:18:20:24:30 = 0.494444

5-388...G#, B, C#, E, B
15:18:20:24:36 = 0.483333

5-389...G#, B, C#, E, E
15:18:20:24:48 = 0.469444

5-390...G#, B, C#, G#, B
15:18:20:30:36 = 0.466667

5-391...G#, B, C#, G#, D#
15:18:20:30:45 = 0.455556

5-392...G#, B, C#, G#, E
15:18:20:30:48 = 0.452778

5-393...G#, B, C#, G#, G#
15:18:20:30:60 = 0.444444

5-394...G#, B, C#, B, D#
15:18:20:36:45 = 0.444444

5-395...G#, B, C#, B, E
15:18:20:36:48 = 0.441667

5-396...G#, B, C#, B, G#
15:18:20:36:60 = 0.433333

5-397...G#, B, D#, F#, G#
10:12:15:18:20 = 0.711111

5-398...G#, B, D#, F#, B
10:12:15:18:24 = 0.694444

5-399...G#, B, D#, F#, D#
10:12:15:18:30 = 0.677778

5-400...G#, B, D#, F#, F#
10:12:15:18:36 = 0.666667

5-401...G#, B, D#, G#, B
10:12:15:20:24 = 0.683333

5-402...G#, B, D#, G#, D#
10:12:15:20:30 = 0.666667

5-403...G#, B, D#, G#, E
10:12:15:20:32 = 0.6625

5-404...G#, B, D#, G#, F#
10:12:15:20:36 = 0.655556

5-405...G#, B, D#, G#, G#
10:12:15:20:40 = 0.65

5-406...G#, B, D#, B, D#
10:12:15:24:30 = 0.65

5-407...G#, B, D#, B, E
10:12:15:24:32 = 0.645833

5-408...G#, B, D#, B, F#
10:12:15:24:36 = 0.638889

5-409...G#, B, D#, B, G#
10:12:15:24:40 = 0.633333

5-410...G#, B, D#, D#, F#
10:12:15:30:36 = 0.622222

5-411...G#, B, D#, D#, G#
10:12:15:30:40 = 0.616667

5-412...G#, B, F#, G#, B
5:6:9:10:12 = 1.32222

5-413...G#, B, F#, G#, D#
5:6:9:10:15 = 1.28889

5-414...G#, B, F#, G#, F#
5:6:9:10:18 = 1.26667

5-415...G#, B, F#, B, D#
5:6:9:12:15 = 1.25556

5-416...G#, B, F#, B, F#
5:6:9:12:18 = 1.23333

5-417...G#, B, F#, D#, F#
5:6:9:15:18 = 1.2

5-418...G#, B, G#, B, D#
5:6:10:12:15 = 1.23333

5-419...G#, B, G#, B, F#
5:6:10:12:18 = 1.21111

5-420...G#, B, G#, B, G#
5:6:10:12:20 = 1.2

5-421...G#, B, G#, D#, F#
5:6:10:15:18 = 1.17778

5-422...G#, B, G#, D#, G#
5:6:10:15:20 = 1.16667

5-423...G#, B, G#, F#, G#
5:6:10:18:20 = 1.14444

5-424...G#, B, B, D#, F#
5:6:12:15:18 = 1.14444

5-425...G#, B, B, D#, G#
5:6:12:15:20 = 1.13333

5-426...G#, B, B, F#, G#
5:6:12:18:20 = 1.11111

5-427...G#, C, D#, F, A
14:18:21:24:30 = 0.499206

5-428...G#, C, D#, F, D#
14:18:21:24:42 = 0.480159

5-429...G#, C, D#, A, D#
14:18:21:30:42 = 0.463492

5-430...G#, C, F, A, D#
7:9:12:15:21 = 0.903175

5-431...G#, C#, E, G#, B
15:20:24:30:36 = 0.438889

5-432...G#, C#, E, G#, C#
15:20:24:30:40 = 0.433333

5-433...G#, C#, E, G#, E
15:20:24:30:48 = 0.425

5-434...G#, C#, E, G#, G#
15:20:24:30:60 = 0.416667

5-435...G#, C#, E, B, C#
15:20:24:36:40 = 0.422222

5-436...G#, C#, E, B, E
15:20:24:36:48 = 0.413889

5-437...G#, C#, E, B, G#
15:20:24:36:60 = 0.405556

5-438...G#, C#, E, C#, E
15:20:24:40:48 = 0.408333

5-439...G#, C#, G#, B, C#
15:20:30:36:40 = 0.405556

5-440...G#, D#, F, G#, D#
14:21:24:28:42 = 0.440476

5-441...G#, D#, F, G#, G#
14:21:24:28:56 = 0.428571

5-442...G#, D#, F, A, D#
14:21:24:30:42 = 0.435714

5-443...G#, D#, F, D#, G#
14:21:24:42:56 = 0.404762

5-444...G#, D#, F#, G#, B
10:15:18:20:24 = 0.627778

5-445...G#, D#, F#, G#, D#
10:15:18:20:30 = 0.611111

5-446...G#, D#, F#, G#, F#
10:15:18:20:36 = 0.6

5-447...G#, D#, F#, B, D#
10:15:18:24:30 = 0.594444

5-448...G#, D#, F#, B, F#
10:15:18:24:36 = 0.583333

5-449...G#, D#, F#, D#, F#
10:15:18:30:36 = 0.566667

5-450...G#, D#, G#, B, D#
10:15:20:24:30 = 0.583333

5-451...G#, D#, G#, B, E
10:15:20:24:32 = 0.579167

5-452...G#, D#, G#, B, F#
10:15:20:24:36 = 0.572222

5-453...G#, D#, G#, B, G#
10:15:20:24:40 = 0.566667

5-454...G#, D#, G#, D#, F#
10:15:20:30:36 = 0.555556

5-455...G#, D#, G#, E, F#
10:15:20:32:36 = 0.551389

5-456...G#, D#, G#, E, G#
10:15:20:32:40 = 0.545833

5-457...G#, D#, G#, F#, G#
10:15:20:36:40 = 0.538889

5-458...G#, D#, B, D#, F#
10:15:24:30:36 = 0.538889

5-459...G#, D#, B, D#, G#
10:15:24:30:40 = 0.533333

5-460...G#, D#, B, E, F#
10:15:24:32:36 = 0.534722

5-461...G#, D#, B, E, G#
10:15:24:32:40 = 0.529167

5-462...G#, D#, B, F#, G#
10:15:24:36:40 = 0.522222

5-463...G#, D#, D#, F#, G#
10:15:30:36:40 = 0.505556

5-464...G#, F, G#, D#, G#
7:12:14:21:28 = 0.761905

5-465...G#, F#, G#, B, D#
5:9:10:12:15 = 1.12222

5-466...G#, F#, G#, B, F#
5:9:10:12:18 = 1.1

5-467...G#, F#, G#, D#, F#
5:9:10:15:18 = 1.06667

5-468...G#, F#, B, D#, F#
5:9:12:15:18 = 1.03333

5-469...G#, G#, B, D#, F#
5:10:12:15:18 = 1.01111

5-470...G#, G#, B, D#, G#
5:10:12:15:20 = 1

5-471...G#, G#, B, F#, G#
5:10:12:18:20 = 0.977778

5-472...G#, G#, D#, F#, G#
5:10:15:18:20 = 0.944444

5-473...A, B, B, E, G#
8:9:18:24:30 = 0.733333

5-474...A, C, D#, G, A
5:6:7:9:10 = 1.44127

5-475...A, C, D#, G, C
5:6:7:9:12 = 1.40794

5-476...A, C, D#, G, E
5:6:7:9:15 = 1.3746

5-477...A, C, D#, A, C
5:6:7:10:12 = 1.38571

5-478...A, C, D#, A, D#
5:6:7:10:14 = 1.3619

5-479...A, C, D#, A, E
5:6:7:10:15 = 1.35238

5-480...A, C, D#, A, A
5:6:7:10:20 = 1.31905

5-481...A, C, D#, C, D#
5:6:7:12:14 = 1.32857

5-482...A, C, D#, C, E
5:6:7:12:15 = 1.31905

5-483...A, C, D#, C, A
5:6:7:12:20 = 1.28571

5-484...A, C, D#, D#, A
5:6:7:14:20 = 1.2619

5-485...A, C, E, G, A
10:12:15:18:20 = 0.711111

5-486...A, C, E, G, C
10:12:15:18:24 = 0.694444

5-487...A, C, E, G, E
10:12:15:18:30 = 0.677778

5-488...A, C, E, G, G
10:12:15:18:36 = 0.666667

5-489...A, C, E, A, C
10:12:15:20:24 = 0.683333

5-490...A, C, E, A, E
10:12:15:20:30 = 0.666667

5-491...A, C, E, A, F
10:12:15:20:32 = 0.6625

5-492...A, C, E, A, G
10:12:15:20:36 = 0.655556

5-493...A, C, E, A, A
10:12:15:20:40 = 0.65

5-494...A, C, E, C, E
10:12:15:24:30 = 0.65

5-495...A, C, E, C, F
10:12:15:24:32 = 0.645833

5-496...A, C, E, C, G
10:12:15:24:36 = 0.638889

5-497...A, C, E, C, A
10:12:15:24:40 = 0.633333

5-498...A, C, E, E, G
10:12:15:30:36 = 0.622222

5-499...A, C, E, E, A
10:12:15:30:40 = 0.616667

5-500...A, C, G, A, C
5:6:9:10:12 = 1.32222

5-501...A, C, G, A, E
5:6:9:10:15 = 1.28889

5-502...A, C, G, A, G
5:6:9:10:18 = 1.26667

5-503...A, C, G, C, E
5:6:9:12:15 = 1.25556

5-504...A, C, G, C, G
5:6:9:12:18 = 1.23333

5-505...A, C, G, E, G
5:6:9:15:18 = 1.2

5-506...A, C, A, C, D#
5:6:10:12:14 = 1.24286

5-507...A, C, A, C, E
5:6:10:12:15 = 1.23333

5-508...A, C, A, C, G
5:6:10:12:18 = 1.21111

5-509...A, C, A, C, A
5:6:10:12:20 = 1.2

5-510...A, C, A, D#, G
5:6:10:14:18 = 1.1873

5-511...A, C, A, D#, A
5:6:10:14:20 = 1.17619

5-512...A, C, A, E, G
5:6:10:15:18 = 1.17778

5-513...A, C, A, E, A
5:6:10:15:20 = 1.16667

5-514...A, C, A, G, A
5:6:10:18:20 = 1.14444

5-515...A, C, C, D#, G
5:6:12:14:18 = 1.15397

5-516...A, C, C, D#, A
5:6:12:14:20 = 1.14286

5-517...A, C, C, E, G
5:6:12:15:18 = 1.14444

5-518...A, C, C, E, A
5:6:12:15:20 = 1.13333

5-519...A, C, C, G, A
5:6:12:18:20 = 1.11111

5-520...A, D#, G, A, C
5:7:9:10:12 = 1.2746

5-521...A, D#, G, A, E
5:7:9:10:15 = 1.24127

5-522...A, D#, G, C, E
5:7:9:12:15 = 1.20794

5-523...A, D#, A, C, D#
5:7:10:12:14 = 1.19524

5-524...A, D#, A, C, E
5:7:10:12:15 = 1.18571

5-525...A, D#, A, C, A
5:7:10:12:20 = 1.15238

5-526...A, D#, A, D#, A
5:7:10:14:20 = 1.12857

5-527...A, D#, A, E, A
5:7:10:15:20 = 1.11905

5-528...A, D#, C, D#, A
5:7:12:14:20 = 1.09524

5-529...A, D#, C, E, A
5:7:12:15:20 = 1.08571

5-530...A, E, G, A, C
10:15:18:20:24 = 0.627778

5-531...A, E, G, A, E
10:15:18:20:30 = 0.611111

5-532...A, E, G, A, G
10:15:18:20:36 = 0.6

5-533...A, E, G, C, E
10:15:18:24:30 = 0.594444

5-534...A, E, G, C, G
10:15:18:24:36 = 0.583333

5-535...A, E, G, E, G
10:15:18:30:36 = 0.566667

5-536...A, E, A, C, E
10:15:20:24:30 = 0.583333

5-537...A, E, A, C, F
10:15:20:24:32 = 0.579167

5-538...A, E, A, C, G
10:15:20:24:36 = 0.572222

5-539...A, E, A, C, A
10:15:20:24:40 = 0.566667

5-540...A, E, A, C#, F
10:15:20:25:32 = 0.575833

5-541...A, E, A, E, G
10:15:20:30:36 = 0.555556

5-542...A, E, A, F, G
10:15:20:32:36 = 0.551389

5-543...A, E, A, F, A
10:15:20:32:40 = 0.545833

5-544...A, E, A, G, A
10:15:20:36:40 = 0.538889

5-545...A, E, C, E, G
10:15:24:30:36 = 0.538889

5-546...A, E, C, E, A
10:15:24:30:40 = 0.533333

5-547...A, E, C, F, G
10:15:24:32:36 = 0.534722

5-548...A, E, C, F, A
10:15:24:32:40 = 0.529167

5-549...A, E, C, G, A
10:15:24:36:40 = 0.522222

5-550...A, E, C#, F, A
10:15:25:32:40 = 0.525833

5-551...A, E, E, G, A
10:15:30:36:40 = 0.505556

5-552...A, G, A, C, E
5:9:10:12:15 = 1.12222

5-553...A, G, A, C, G
5:9:10:12:18 = 1.1

5-554...A, G, A, E, G
5:9:10:15:18 = 1.06667

5-555...A, G, C, E, G
5:9:12:15:18 = 1.03333

5-556...A, A, C, D#, G
5:10:12:14:18 = 1.02063

5-557...A, A, C, D#, A
5:10:12:14:20 = 1.00952

5-558...A, A, C, E, G
5:10:12:15:18 = 1.01111

5-559...A, A, C, E, A
5:10:12:15:20 = 1

5-560...A, A, C, G, A
5:10:12:18:20 = 0.977778

5-561...A, A, C#, D#, F
10:20:25:28:32 = 0.513929

5-562...A, A, C#, D#, A
10:20:25:28:40 = 0.501429

5-563...A, A, C#, F, A
10:20:25:32:40 = 0.4925

5-564...A, A, D#, G, A
5:10:14:18:20 = 0.953968

5-565...A, A, E, G, A
5:10:15:18:20 = 0.944444

5-566...A#, D, E, G, B
7:9:10:12:15 = 1.00794

5-567...A#, D#, F#, A#, D#
15:20:24:30:40 = 0.433333

5-568...A#, D#, F#, A#, F#
15:20:24:30:48 = 0.425

5-569...A#, D#, F#, A#, A#
15:20:24:30:60 = 0.416667

5-570...A#, D#, F#, D#, F#
15:20:24:40:48 = 0.408333

5-571...A#, E, G, A#, A#
7:10:12:14:28 = 0.866667

5-572...B, C#, E, G#, B
9:10:12:15:18 = 0.833333

5-573...B, C#, E, G#, E
9:10:12:15:24 = 0.805556

5-574...B, C#, E, G#, G#
9:10:12:15:30 = 0.788889

5-575...B, C#, E, B, E
9:10:12:18:24 = 0.783333

5-576...B, C#, E, B, G#
9:10:12:18:30 = 0.766667

5-577...B, C#, E, B, B
9:10:12:18:36 = 0.755556

5-578...B, C#, E, E, G#
9:10:12:24:30 = 0.738889

5-579...B, C#, E, E, B
9:10:12:24:36 = 0.727778

5-580...B, C#, G#, B, E
9:10:15:18:24 = 0.75

5-581...B, C#, G#, B, G#
9:10:15:18:30 = 0.733333

5-582...B, C#, G#, B, B
9:10:15:18:36 = 0.722222

5-583...B, C#, G#, E, G#
9:10:15:24:30 = 0.705556

5-584...B, C#, G#, E, B
9:10:15:24:36 = 0.694444

5-585...B, C#, G#, G#, B
9:10:15:30:36 = 0.677778

5-586...B, C#, B, E, G#
9:10:18:24:30 = 0.683333

5-587...B, C#, B, E, B
9:10:18:24:36 = 0.672222

5-588...B, C#, B, G#, B
9:10:18:30:36 = 0.655556

5-589...B, D, E, G, B
15:18:20:24:30 = 0.494444

5-590...B, D, E, G, D
15:18:20:24:36 = 0.483333

5-591...B, D, E, G, G
15:18:20:24:48 = 0.469444

5-592...B, D, E, B, D
15:18:20:30:36 = 0.466667

5-593...B, D, E, B, F#
15:18:20:30:45 = 0.455556

5-594...B, D, E, B, G
15:18:20:30:48 = 0.452778

5-595...B, D, E, B, B
15:18:20:30:60 = 0.444444

5-596...B, D, E, D, F#
15:18:20:36:45 = 0.444444

5-597...B, D, E, D, G
15:18:20:36:48 = 0.441667

5-598...B, D, E, D, B
15:18:20:36:60 = 0.433333

5-599...B, D, F#, B, D
10:12:15:20:24 = 0.683333

5-600...B, D, F#, B, F#
10:12:15:20:30 = 0.666667

5-601...B, D, F#, B, G
10:12:15:20:32 = 0.6625

5-602...B, D, F#, B, B
10:12:15:20:40 = 0.65

5-603...B, D, F#, D, F#
10:12:15:24:30 = 0.65

5-604...B, D, F#, D, G
10:12:15:24:32 = 0.645833

5-605...B, D, F#, D, B
10:12:15:24:40 = 0.633333

5-606...B, D, F#, F#, B
10:12:15:30:40 = 0.616667

5-607...B, D, B, D, F#
5:6:10:12:15 = 1.23333

5-608...B, D, B, D, B
5:6:10:12:20 = 1.2

5-609...B, D, B, F#, B
5:6:10:15:20 = 1.16667

5-610...B, D, D, F#, B
5:6:12:15:20 = 1.13333

5-611...B, D#, F#, G#, B
12:15:18:20:24 = 0.594444

5-612...B, D#, F#, G#, D#
12:15:18:20:30 = 0.577778

5-613...B, D#, F#, G#, F#
12:15:18:20:36 = 0.566667

5-614...B, D#, G#, B, D#
12:15:20:24:30 = 0.55

5-615...B, D#, G#, B, E
12:15:20:24:32 = 0.545833

5-616...B, D#, G#, B, F
12:15:20:24:34 = 0.542157

5-617...B, D#, G#, B, F#
12:15:20:24:36 = 0.538889

5-618...B, D#, G#, B, G#
12:15:20:24:40 = 0.533333

5-619...B, D#, G#, B, B
12:15:20:24:48 = 0.525

5-620...B, D#, G#, D#, F
12:15:20:30:34 = 0.52549

5-621...B, D#, G#, D#, F#
12:15:20:30:36 = 0.522222

5-622...B, D#, G#, D#, G#
12:15:20:30:40 = 0.516667

5-623...B, D#, G#, D#, A#
12:15:20:30:45 = 0.511111

5-624...B, D#, G#, D#, B
12:15:20:30:48 = 0.508333

5-625...B, D#, G#, E, F#
12:15:20:32:36 = 0.518056

5-626...B, D#, G#, E, G#
12:15:20:32:40 = 0.5125

5-627...B, D#, G#, E, A#
12:15:20:32:45 = 0.506944

5-628...B, D#, G#, E, B
12:15:20:32:48 = 0.504167

5-629...B, D#, G#, F, G#
12:15:20:34:40 = 0.508824

5-630...B, D#, G#, F, B
12:15:20:34:48 = 0.50049

5-631...B, D#, G#, F#, G#
12:15:20:36:40 = 0.505556

5-632...B, D#, G#, F#, A#
12:15:20:36:45 = 0.5

5-633...B, D#, G#, F#, B
12:15:20:36:48 = 0.497222

5-634...B, D#, G#, G#, A#
12:15:20:40:45 = 0.494444

5-635...B, D#, G#, G#, B
12:15:20:40:48 = 0.491667

5-636...B, D#, B, D#, F
12:15:24:30:34 = 0.508824

5-637...B, D#, B, D#, G#
12:15:24:30:40 = 0.5

5-638...B, D#, B, E, F#
12:15:24:32:36 = 0.501389

5-639...B, D#, B, E, G#
12:15:24:32:40 = 0.495833

5-640...B, D#, B, E, B
12:15:24:32:48 = 0.4875

5-641...B, D#, B, F, G#
12:15:24:34:40 = 0.492157

5-642...B, D#, B, F, B
12:15:24:34:48 = 0.483824

5-643...B, D#, B, F#, G#
12:15:24:36:40 = 0.488889

5-644...B, D#, B, G#, B
12:15:24:40:48 = 0.475

5-645...B, D#, D#, F, G#
12:15:30:34:40 = 0.47549

5-646...B, D#, D#, F, B
12:15:30:34:48 = 0.467157

5-647...B, D#, D#, F#, G#
12:15:30:36:40 = 0.472222

5-648...B, D#, D#, G#, A#
12:15:30:40:45 = 0.461111

5-649...B, D#, D#, G#, B
12:15:30:40:48 = 0.458333

5-650...B, E, F#, F#, A#
12:16:18:36:45 = 0.502778

5-651...B, E, G, B, D
15:20:24:30:36 = 0.438889

5-652...B, E, G, B, E
15:20:24:30:40 = 0.433333

5-653...B, E, G, B, G
15:20:24:30:48 = 0.425

5-654...B, E, G, B, B
15:20:24:30:60 = 0.416667

5-655...B, E, G, D, E
15:20:24:36:40 = 0.422222

5-656...B, E, G, D, G
15:20:24:36:48 = 0.413889

5-657...B, E, G, D, B
15:20:24:36:60 = 0.405556

5-658...B, E, G, E, G
15:20:24:40:48 = 0.408333

5-659...B, E, G#, E, A#
12:16:20:32:45 = 0.498611

5-660...B, E, G#, F#, A#
12:16:20:36:45 = 0.491667

5-661...B, E, G#, G#, A#
12:16:20:40:45 = 0.486111

5-662...B, E, B, D, E
15:20:30:36:40 = 0.405556

5-663...B, E, E, F#, A#
12:16:32:36:45 = 0.454167

5-664...B, E, E, G#, A#
12:16:32:40:45 = 0.448611

5-665...B, F, B, D#, B
14:20:28:35:56 = 0.407143

5-666...B, F#, G#, B, D#
6:9:10:12:15 = 1.05556

5-667...B, F#, G#, B, F#
6:9:10:12:18 = 1.03333

5-668...B, F#, G#, B, B
6:9:10:12:24 = 1.00556

5-669...B, F#, G#, D#, F#
6:9:10:15:18 = 1

5-670...B, F#, G#, D#, A#
12:18:20:30:45 = 0.488889

5-671...B, F#, G#, D#, B
6:9:10:15:24 = 0.972222

5-672...B, F#, G#, F#, A#
12:18:20:36:45 = 0.477778

5-673...B, F#, G#, F#, B
6:9:10:18:24 = 0.95

5-674...B, F#, B, D, F#
10:15:20:24:30 = 0.583333

5-675...B, F#, B, D, G
10:15:20:24:32 = 0.579167

5-676...B, F#, B, D, B
10:15:20:24:40 = 0.566667

5-677...B, F#, B, D#, G
10:15:20:25:32 = 0.575833

5-678...B, F#, B, G, B
10:15:20:32:40 = 0.545833

5-679...B, F#, C, D#, F#
14:21:30:35:42 = 0.409524

5-680...B, F#, D, F#, B
10:15:24:30:40 = 0.533333

5-681...B, F#, D, G, B
10:15:24:32:40 = 0.529167

5-682...B, F#, D#, G, B
10:15:25:32:40 = 0.525833

5-683...B, G#, B, D#, F
6:10:12:15:17 = 0.95098

5-684...B, G#, B, D#, F#
6:10:12:15:18 = 0.944444

5-685...B, G#, B, D#, G#
6:10:12:15:20 = 0.933333

5-686...B, G#, B, D#, B
6:10:12:15:24 = 0.916667

5-687...B, G#, B, F, G#
6:10:12:17:20 = 0.917647

5-688...B, G#, B, F, B
6:10:12:17:24 = 0.90098

5-689...B, G#, B, F#, G#
3:5:6:9:10 = 1.82222

5-690...B, G#, B, F#, B
3:5:6:9:12 = 1.78889

5-691...B, G#, B, G#, B
3:5:6:10:12 = 1.76667

5-692...B, G#, D#, F, G#
6:10:15:17:20 = 0.884314

5-693...B, G#, D#, F, B
6:10:15:17:24 = 0.867647

5-694...B, G#, D#, F#, G#
6:10:15:18:20 = 0.877778

5-695...B, G#, D#, F#, A#
12:20:30:36:45 = 0.433333

5-696...B, G#, D#, F#, B
6:10:15:18:24 = 0.861111

5-697...B, G#, D#, G#, A#
12:20:30:40:45 = 0.427778

5-698...B, G#, D#, G#, B
6:10:15:20:24 = 0.85

5-699...B, G#, E, F#, A#
12:20:32:36:45 = 0.429167

5-700...B, G#, E, G#, A#
12:20:32:40:45 = 0.423611

5-701...B, G#, F, G#, B
6:10:17:20:24 = 0.834314

5-702...B, G#, F#, G#, A#
12:20:36:40:45 = 0.416667

5-703...B, G#, F#, G#, B
3:5:9:10:12 = 1.65556

5-704...B, B, D, F#, B
5:10:12:15:20 = 1

5-705...B, B, D#, F, G#
6:12:15:17:20 = 0.85098

5-706...B, B, D#, F, B
6:12:15:17:24 = 0.834314

5-707...B, B, D#, F#, G#
6:12:15:18:20 = 0.844444

5-708...B, B, D#, G, B
10:20:25:32:40 = 0.4925

5-709...B, B, D#, G#, B
6:12:15:20:24 = 0.816667

5-710...B, B, F, G#, B
6:12:17:20:24 = 0.80098

5-711...B, B, F#, G#, B
3:6:9:10:12 = 1.58889

5-712...C, D, D, G, B
8:9:18:24:30 = 0.733333

5-713...C, D#, F, D#, B
12:14:16:28:45 = 0.550397

5-714...C, D#, F, F, B
12:14:16:32:45 = 0.541468

5-715...C, D#, G, A, C
6:7:9:10:12 = 1.20794

5-716...C, D#, G, A, E
6:7:9:10:15 = 1.1746

5-717...C, D#, G, A#, C
12:14:18:21:24 = 0.599206

5-718...C, D#, G, A#, E
12:14:18:21:30 = 0.58254

5-719...C, D#, G, A#, A#
12:14:18:21:42 = 0.563492

5-720...C, D#, G, C, E
6:7:9:12:15 = 1.14127

5-721...C, D#, G, C, A#
6:7:9:12:21 = 1.10317

5-722...C, D#, G, E, A#
6:7:9:15:21 = 1.06984

5-723...C, D#, G, E, B
12:14:18:30:45 = 0.531746

5-724...C, D#, A, C, D#
6:7:10:12:14 = 1.12857

5-725...C, D#, A, C, E
6:7:10:12:15 = 1.11905

5-726...C, D#, A, C, A
6:7:10:12:20 = 1.08571

5-727...C, D#, A, D#, A
6:7:10:14:20 = 1.0619

5-728...C, D#, A, D#, B
12:14:20:28:45 = 0.525397

5-729...C, D#, A, E, A
6:7:10:15:20 = 1.05238

5-730...C, D#, A, E, B
12:14:20:30:45 = 0.520635

5-731...C, D#, A, F, B
12:14:20:32:45 = 0.516468

5-732...C, D#, A, A, B
12:14:20:40:45 = 0.503968

5-733...C, D#, A#, C, D#
12:14:21:24:28 = 0.559524

5-734...C, D#, A#, C, E
12:14:21:24:30 = 0.554762

5-735...C, D#, A#, C, A#
12:14:21:24:42 = 0.535714

5-736...C, D#, A#, D#, A#
12:14:21:28:42 = 0.52381

5-737...C, D#, A#, D#, B
12:14:21:28:45 = 0.520635

5-738...C, D#, A#, E, A#
12:14:21:30:42 = 0.519048

5-739...C, D#, A#, E, B
12:14:21:30:45 = 0.515873

5-740...C, D#, C, D#, A
6:7:12:14:20 = 1.02857

5-741...C, D#, C, D#, A#
6:7:12:14:21 = 1.02381

5-742...C, D#, C, E, A
6:7:12:15:20 = 1.01905

5-743...C, D#, C, E, A#
6:7:12:15:21 = 1.01429

5-744...C, D#, D#, F, B
12:14:28:32:45 = 0.487897

5-745...C, D#, D#, A, B
12:14:28:40:45 = 0.475397

5-746...C, E, G, A, C
12:15:18:20:24 = 0.594444

5-747...C, E, G, A, E
12:15:18:20:30 = 0.577778

5-748...C, E, G, A, G
12:15:18:20:36 = 0.566667

5-749...C, E, A, C, E
12:15:20:24:30 = 0.55

5-750...C, E, A, C, F
12:15:20:24:32 = 0.545833

5-751...C, E, A, C, G
12:15:20:24:36 = 0.538889

5-752...C, E, A, C, A
12:15:20:24:40 = 0.533333

5-753...C, E, A, C, C
12:15:20:24:48 = 0.525

5-754...C, E, A, E, G
12:15:20:30:36 = 0.522222

5-755...C, E, A, E, A
12:15:20:30:40 = 0.516667

5-756...C, E, A, E, B
12:15:20:30:45 = 0.511111

5-757...C, E, A, E, C
12:15:20:30:48 = 0.508333

5-758...C, E, A, F, G
12:15:20:32:36 = 0.518056

5-759...C, E, A, F, A
12:15:20:32:40 = 0.5125

5-760...C, E, A, F, B
12:15:20:32:45 = 0.506944

5-761...C, E, A, F, C
12:15:20:32:48 = 0.504167

5-762...C, E, A, G, A
12:15:20:36:40 = 0.505556

5-763...C, E, A, G, B
12:15:20:36:45 = 0.5

5-764...C, E, A, G, C
12:15:20:36:48 = 0.497222

5-765...C, E, A, A, B
12:15:20:40:45 = 0.494444

5-766...C, E, A, A, C
12:15:20:40:48 = 0.491667

5-767...C, E, C, E, A
12:15:24:30:40 = 0.5

5-768...C, E, C, F, G
12:15:24:32:36 = 0.501389

5-769...C, E, C, F, A
12:15:24:32:40 = 0.495833

5-770...C, E, C, F, C
12:15:24:32:48 = 0.4875

5-771...C, E, C, G, A
12:15:24:36:40 = 0.488889

5-772...C, E, C, A, C
12:15:24:40:48 = 0.475

5-773...C, E, E, G, A
12:15:30:36:40 = 0.472222

5-774...C, E, E, A, B
12:15:30:40:45 = 0.461111

5-775...C, E, E, A, C
12:15:30:40:48 = 0.458333

5-776...C, F, G, G, B
12:16:18:36:45 = 0.502778

5-777...C, F, A, D#, B
12:16:20:28:45 = 0.50754

5-778...C, F, A, F, B
12:16:20:32:45 = 0.498611

5-779...C, F, A, G, B
12:16:20:36:45 = 0.491667

5-780...C, F, A, A, B
12:16:20:40:45 = 0.486111

5-781...C, F, D#, F, B
 12:16:28:32:45 = 0.47004

5-782...C, F, D#, G, B
 12:16:28:36:45 = 0.463095

5-783...C, F, D#, A, B
 12:16:28:40:45 = 0.45754

5-784...C, F, F, G, B
 12:16:32:36:45 = 0.454167

5-785...C, F, F, A, B
 12:16:32:40:45 = 0.448611

5-786...C, F#, C, D#, F#
 15:21:30:35:42 = 0.4

5-787...C, F#, C, F#, A#
 10:14:20:28:35 = 0.571429

5-788...C, F#, C, F#, C
 5:7:10:14:20 = 1.12857

5-789...C, F#, C, G, A#
 10:14:20:30:35 = 0.566667

5-790...C, F#, C, G, C
 5:7:10:15:20 = 1.11905

5-791...C, F#, C, A#, C
 10:14:20:35:40 = 0.55

5-792...C, F#, F#, A#, C
 10:14:28:35:40 = 0.521429

5-793...C, G, A, C, E
 6:9:10:12:15 = 1.05556

5-794...C, G, A, C, G
6:9:10:12:18 = 1.03333

5-795...C, G, A, C, C
6:9:10:12:24 = 1.00556

5-796...C, G, A, E, G
6:9:10:15:18 = 1

5-797...C, G, A, E, B
12:18:20:30:45 = 0.488889

5-798...C, G, A, E, C
6:9:10:15:24 = 0.972222

5-799...C, G, A, G, B
12:18:20:36:45 = 0.477778

5-800...C, G, A, G, C
6:9:10:18:24 = 0.95

5-801...C, A, C, D#, G
3:5:6:7:9 = 1.90794

5-802...C, A, C, D#, A
3:5:6:7:10 = 1.88571

5-803...C, A, C, D#, C
3:5:6:7:12 = 1.85238

5-804...C, A, C, E, G
6:10:12:15:18 = 0.944444

5-805...C, A, C, E, A
6:10:12:15:20 = 0.933333

5-806...C, A, C, E, C
6:10:12:15:24 = 0.916667

5-807...C, A, C, G, A
3:5:6:9:10 = 1.82222

5-808...C, A, C, G, C
3:5:6:9:12 = 1.78889

5-809...C, A, C, A, C
3:5:6:10:12 = 1.76667

5-810...C, A, D#, F, B
12:20:28:32:45 = 0.44504

5-811...C, A, D#, G, A
3:5:7:9:10 = 1.7746

5-812...C, A, D#, G, B
12:20:28:36:45 = 0.438095

5-813...C, A, D#, G, C
3:5:7:9:12 = 1.74127

5-814...C, A, D#, A, B
12:20:28:40:45 = 0.43254

5-815...C, A, D#, A, C
3:5:7:10:12 = 1.71905

5-816...C, A, E, G, A
6:10:15:18:20 = 0.877778

5-817...C, A, E, G, B
12:20:30:36:45 = 0.433333

5-818...C, A, E, G, C
6:10:15:18:24 = 0.861111

5-819...C, A, E, A, B
12:20:30:40:45 = 0.427778

5-820...C, A, E, A, C

6:10:15:20:24 = 0.85

5-821...C, A, F, G, B

12:20:32:36:45 = 0.429167

5-822...C, A, F, A, B

12:20:32:40:45 = 0.423611

5-823...C, A, G, A, B

12:20:36:40:45 = 0.416667

5-824...C, A, G, A, C

3:5:9:10:12 = 1.65556

5-825...C, A#, C, D#, G

12:21:24:28:36 = 0.472222

5-826...C, A#, C, D#, A#

12:21:24:28:42 = 0.464286

5-827...C, A#, C, D#, C

12:21:24:28:48 = 0.458333

5-828...C, A#, D#, G, A#

12:21:28:36:42 = 0.436508

5-829...C, A#, D#, G, B

12:21:28:36:45 = 0.433333

5-830...C, A#, D#, G, C

12:21:28:36:48 = 0.430556

5-831...C, A#, D#, A#, C

12:21:28:42:48 = 0.422619

5-832...C, C, D#, G, A

3:6:7:9:10 = 1.70794

5-833...C, C, D#, G, A#
6:12:14:18:21 = 0.849206

5-834...C, C, D#, G, C
3:6:7:9:12 = 1.6746

5-835...C, C, D#, A, C
3:6:7:10:12 = 1.65238

5-836...C, C, D#, A#, C
6:12:14:21:24 = 0.821429

5-837...C, C, E, F#, A#
10:20:25:28:35 = 0.508571

5-838...C, C, E, F#, C
10:20:25:28:40 = 0.501429

5-839...C, C, E, G, A
6:12:15:18:20 = 0.844444

5-840...C, C, E, A, C
6:12:15:20:24 = 0.816667

5-841...C, C, F#, A#, C
10:20:28:35:40 = 0.478571

5-842...C, C, G, A, C
3:6:9:10:12 = 1.58889

5-843...C#, E, G#, B, C#
10:12:15:18:20 = 0.711111

5-844...C#, E, G#, B, E
10:12:15:18:24 = 0.694444

5-845...C#, E, G#, B, G#
10:12:15:18:30 = 0.677778

5-846...C#, E, G#, B, B
10:12:15:18:36 = 0.666667

5-847...C#, E, G#, C#, E
10:12:15:20:24 = 0.683333

5-848...C#, E, G#, C#, G#
10:12:15:20:30 = 0.666667

5-849...C#, E, G#, C#, A
10:12:15:20:32 = 0.6625

5-850...C#, E, G#, C#, B
10:12:15:20:36 = 0.655556

5-851...C#, E, G#, C#, C#
10:12:15:20:40 = 0.65

5-852...C#, E, G#, E, G#
10:12:15:24:30 = 0.65

5-853...C#, E, G#, E, A
10:12:15:24:32 = 0.645833

5-854...C#, E, G#, E, B
10:12:15:24:36 = 0.638889

5-855...C#, E, G#, E, C#
10:12:15:24:40 = 0.633333

5-856...C#, E, G#, G#, B
10:12:15:30:36 = 0.622222

5-857...C#, E, G#, G#, C#
10:12:15:30:40 = 0.616667

5-858...C#, E, B, C#, E
5:6:9:10:12 = 1.32222

5-859...C#, E, B, C#, G#
5:6:9:10:15 = 1.28889

5-860...C#, E, B, C#, B
5:6:9:10:18 = 1.26667

5-861...C#, E, B, E, G#
5:6:9:12:15 = 1.25556

5-862...C#, E, B, E, B
5:6:9:12:18 = 1.23333

5-863...C#, E, B, G#, B
5:6:9:15:18 = 1.2

5-864...C#, E, C#, E, G#
5:6:10:12:15 = 1.23333

5-865...C#, E, C#, E, B
5:6:10:12:18 = 1.21111

5-866...C#, E, C#, E, C#
5:6:10:12:20 = 1.2

5-867...C#, E, C#, G#, B
5:6:10:15:18 = 1.17778

5-868...C#, E, C#, G#, C#
5:6:10:15:20 = 1.16667

5-869...C#, E, C#, B, C#
5:6:10:18:20 = 1.14444

5-870...C#, E, E, G#, B
5:6:12:15:18 = 1.14444

5-871...C#, E, E, G#, C#
5:6:12:15:20 = 1.13333

5-872...C#, E, E, B, C#
5:6:12:18:20 = 1.11111

5-873...C#, G#, B, C#, E
10:15:18:20:24 = 0.627778

5-874...C#, G#, B, C#, G#
10:15:18:20:30 = 0.611111

5-875...C#, G#, B, C#, B
10:15:18:20:36 = 0.6

5-876...C#, G#, B, E, G#
10:15:18:24:30 = 0.594444

5-877...C#, G#, B, E, B
10:15:18:24:36 = 0.583333

5-878...C#, G#, B, G#, B
10:15:18:30:36 = 0.566667

5-879...C#, G#, C#, E, G#
10:15:20:24:30 = 0.583333

5-880...C#, G#, C#, E, A
10:15:20:24:32 = 0.579167

5-881...C#, G#, C#, E, B
10:15:20:24:36 = 0.572222

5-882...C#, G#, C#, E, C#
10:15:20:24:40 = 0.566667

5-883...C#, G#, C#, G#, B
10:15:20:30:36 = 0.555556

5-884...C#, G#, C#, A, B
10:15:20:32:36 = 0.551389

5-885...C#, G#, C#, A, C#
10:15:20:32:40 = 0.545833

5-886...C#, G#, C#, B, C#
10:15:20:36:40 = 0.538889

5-887...C#, G#, E, G#, B
10:15:24:30:36 = 0.538889

5-888...C#, G#, E, G#, C#
10:15:24:30:40 = 0.533333

5-889...C#, G#, E, A, B
10:15:24:32:36 = 0.534722

5-890...C#, G#, E, A, C#
10:15:24:32:40 = 0.529167

5-891...C#, G#, E, B, C#
10:15:24:36:40 = 0.522222

5-892...C#, G#, G#, B, C#
10:15:30:36:40 = 0.505556

5-893...C#, B, C#, E, G#
5:9:10:12:15 = 1.12222

5-894...C#, B, C#, E, B
5:9:10:12:18 = 1.1

5-895...C#, B, C#, G#, B
5:9:10:15:18 = 1.06667

5-896...C#, B, E, G#, B
5:9:12:15:18 = 1.03333

5-897...C#, C#, E, G#, B
5:10:12:15:18 = 1.01111

5-898...C#, C#, E, G#, C#
5:10:12:15:20 = 1

5-899...C#, C#, E, B, C#
5:10:12:18:20 = 0.977778

5-900...C#, C#, G#, B, C#
5:10:15:18:20 = 0.944444

5-901...D, E, G, B, D
9:10:12:15:18 = 0.833333

5-902...D, E, G, B, G
9:10:12:15:24 = 0.805556

5-903...D, E, G, B, B
9:10:12:15:30 = 0.788889

5-904...D, E, G, D, G
9:10:12:18:24 = 0.783333

5-905...D, E, G, D, B
9:10:12:18:30 = 0.766667

5-906...D, E, G, D, D
9:10:12:18:36 = 0.755556

5-907...D, E, G, G, B
9:10:12:24:30 = 0.738889

5-908...D, E, G, G, D
9:10:12:24:36 = 0.727778

5-909...D, E, B, D, G
9:10:15:18:24 = 0.75

5-910...D, E, B, D, B
9:10:15:18:30 = 0.733333

5-911...D, E, B, D, D
9:10:15:18:36 = 0.722222

5-912...D, E, B, G, B
9:10:15:24:30 = 0.705556

5-913...D, E, B, G, D
9:10:15:24:36 = 0.694444

5-914...D, E, B, B, D
9:10:15:30:36 = 0.677778

5-915...D, E, D, G, B
9:10:18:24:30 = 0.683333

5-916...D, E, D, G, D
9:10:18:24:36 = 0.672222

5-917...D, E, D, B, D
9:10:18:30:36 = 0.655556

5-918...D, F#, B, D, F#
12:15:20:24:30 = 0.55

5-919...D, F#, B, D, G
12:15:20:24:32 = 0.545833

5-920...D, F#, B, D, B
12:15:20:24:40 = 0.533333

5-921...D, F#, B, D, D
12:15:20:24:48 = 0.525

5-922...D, F#, B, F#, B
12:15:20:30:40 = 0.516667

5-923...D, F#, B, F#, D
12:15:20:30:48 = 0.508333

5-924...D, F#, B, G, B
12:15:20:32:40 = 0.5125

5-925...D, F#, B, G, D
12:15:20:32:48 = 0.504167

5-926...D, F#, B, B, D
12:15:20:40:48 = 0.491667

5-927...D, F#, D, F#, B
12:15:24:30:40 = 0.5

5-928...D, F#, D, G, B
12:15:24:32:40 = 0.495833

5-929...D, F#, D, G, D
12:15:24:32:48 = 0.4875

5-930...D, F#, D, B, D
12:15:24:40:48 = 0.475

5-931...D, F#, F#, B, D
12:15:30:40:48 = 0.458333

5-932...D, B, D, F#, B
6:10:12:15:20 = 0.933333

5-933...D, B, D, F#, D
6:10:12:15:24 = 0.916667

5-934...D, B, D, B, D
3:5:6:10:12 = 1.76667

5-935...D, B, F#, B, D
6:10:15:20:24 = 0.85

5-936...D, D, F#, B, D
6:12:15:20:24 = 0.816667

5-937...D#, F#, G#, B, D#
15:18:20:24:30 = 0.494444

5-938...D#, F#, G#, B, F#
15:18:20:24:36 = 0.483333

5-939...D#, F#, G#, B, B
15:18:20:24:48 = 0.469444

5-940...D#, F#, G#, D#, F#
15:18:20:30:36 = 0.466667

5-941...D#, F#, G#, D#, A#
15:18:20:30:45 = 0.455556

5-942...D#, F#, G#, D#, B
15:18:20:30:48 = 0.452778

5-943...D#, F#, G#, D#, D#
15:18:20:30:60 = 0.444444

5-944...D#, F#, G#, F#, A#
15:18:20:36:45 = 0.444444

5-945...D#, F#, G#, F#, B
15:18:20:36:48 = 0.441667

5-946...D#, F#, G#, F#, D#
15:18:20:36:60 = 0.433333

5-947...D#, F#, A#, D#, F#
10:12:15:20:24 = 0.683333

5-948...D#, F#, A#, D#, A#
10:12:15:20:30 = 0.666667

5-949...D#, F#, A#, D#, B
10:12:15:20:32 = 0.6625

5-950...D#, F#, A#, D#, D#
10:12:15:20:40 = 0.65

5-951...D#, F#, A#, F#, A#
10:12:15:24:30 = 0.65

5-952...D#, F#, A#, F#, B
10:12:15:24:32 = 0.645833

5-953...D#, F#, A#, F#, D#
10:12:15:24:40 = 0.633333

5-954...D#, F#, A#, A#, D#
10:12:15:30:40 = 0.616667

5-955...D#, F#, D#, F#, A#
5:6:10:12:15 = 1.23333

5-956...D#, F#, D#, F#, D#
5:6:10:12:20 = 1.2

5-957...D#, F#, D#, A#, D#
5:6:10:15:20 = 1.16667

5-958...D#, F#, F#, A#, D#
5:6:12:15:20 = 1.13333

5-959...D#, G, A, C, E
7:9:10:12:15 = 1.00794

5-960...D#, G, A#, C, E
14:18:21:24:30 = 0.499206

5-961...D#, G, A#, C, A#
14:18:21:24:42 = 0.480159

5-962...D#, G, A#, E, A#
14:18:21:30:42 = 0.463492

5-963...D#, G, C, E, A#
7:9:12:15:21 = 0.903175

5-964...D#, G#, B, D#, F#
15:20:24:30:36 = 0.438889

5-965...D#, G#, B, D#, G#
15:20:24:30:40 = 0.433333

5-966...D#, G#, B, D#, B
15:20:24:30:48 = 0.425

5-967...D#, G#, B, D#, D#
15:20:24:30:60 = 0.416667

5-968...D#, G#, B, F#, G#
15:20:24:36:40 = 0.422222

5-969...D#, G#, B, F#, B
15:20:24:36:48 = 0.413889

5-970...D#, G#, B, F#, D#
15:20:24:36:60 = 0.405556

5-971...D#, G#, B, G#, B
15:20:24:40:48 = 0.408333

5-972...D#, G#, D#, F#, G#
15:20:30:36:40 = 0.405556

5-973...D#, A, C, D#, D#
7:10:12:14:28 = 0.866667

5-974...D#, A#, C, D#, A#
14:21:24:28:42 = 0.440476

5-975...D#, A#, C, D#, D#
14:21:24:28:56 = 0.428571

5-976...D#, A#, C, E, A#
14:21:24:30:42 = 0.435714

5-977...D#, A#, C, A#, D#
14:21:24:42:56 = 0.404762

5-978...D#, A#, D#, F#, A#
10:15:20:24:30 = 0.583333

5-979...D#, A#, D#, F#, B
10:15:20:24:32 = 0.579167

5-980...D#, A#, D#, F#, D#
10:15:20:24:40 = 0.566667

5-981...D#, A#, D#, B, D#
10:15:20:32:40 = 0.545833

5-982...D#, A#, F#, A#, D#
10:15:24:30:40 = 0.533333

5-983...D#, A#, F#, B, D#
10:15:24:32:40 = 0.529167

5-984...D#, C, D#, A#, D#
7:12:14:21:28 = 0.761905

5-985...D#, D#, F#, A#, D#
5:10:12:15:20 = 1

4-1...E, F#, B, B
8:9:12:24 = 0.722222

4-2...E, F#, F#, B
8:9:18:24 = 0.666667

4-3...E, F#, F#, D#
8:9:18:30 = 0.65

4-4...E, G, A, C
15:18:20:24 = 0.427778

4-5...E, G, A, E
15:18:20:30 = 0.411111

4-6...E, G, A, G
15:18:20:36 = 0.4

4-7...E, G, A#, D
5:6:7:9 = 1.24127

4-8...E, G, A#, E
5:6:7:10 = 1.21905

4-9...E, G, A#, G
5:6:7:12 = 1.18571

4-10...E, G, A#, A#
5:6:7:14 = 1.1619

4-11...E, G, B, D
10:12:15:18 = 0.611111

4-12...E, G, B, E
10:12:15:20 = 0.6

4-13...E, G, B, G
10:12:15:24 = 0.583333

4-14...E, G, B, B
10:12:15:30 = 0.566667

4-15...E, G, D, E
5:6:9:10 = 1.15556

4-16...E, G, D, G
5:6:9:12 = 1.12222

4-17...E, G, D, B
5:6:9:15 = 1.08889

4-18...E, G, D, D
5:6:9:18 = 1.06667

4-19...E, G, E, G
5:6:10:12 = 1.1

4-20...E, G, E, A#
5:6:10:14 = 1.07619

4-21...E, G, E, B
5:6:10:15 = 1.06667

4-22...E, G, E, D
5:6:10:18 = 1.04444

4-23...E, G, E, E
5:6:10:20 = 1.03333

4-24...E, G, G, A#
5:6:12:14 = 1.04286

4-25...E, G, G, B
5:6:12:15 = 1.03333

4-26...E, G, G, D
5:6:12:18 = 1.01111

4-27...E, G, G, E

5:6:12:20 = 1

4-28...E, G#, B, C#

12:15:18:20 = 0.511111

4-29...E, G#, C#, E

12:15:20:24 = 0.483333

4-30...E, G#, C#, G#

12:15:20:30 = 0.466667

4-31...E, G#, C#, A

12:15:20:32 = 0.4625

4-32...E, G#, C#, B

12:15:20:36 = 0.455556

4-33...E, G#, C#, C#

12:15:20:40 = 0.45

4-34...E, G#, E, A

12:15:24:32 = 0.445833

4-35...E, G#, E, C#

12:15:24:40 = 0.433333

4-36...E, G#, G#, C#

12:15:30:40 = 0.416667

4-37...E, A#, D, E

5:7:9:10 = 1.10794

4-38...E, A#, D, G

5:7:9:12 = 1.0746

4-39...E, A#, D, B

5:7:9:15 = 1.04127

4-40...E, A#, E, G
5:7:10:12 = 1.05238

4-41...E, A#, E, A#
5:7:10:14 = 1.02857

4-42...E, A#, E, B
5:7:10:15 = 1.01905

4-43...E, A#, E, E
5:7:10:20 = 0.985714

4-44...E, A#, G, A#
5:7:12:14 = 0.995238

4-45...E, A#, G, B
5:7:12:15 = 0.985714

4-46...E, A#, G, E
5:7:12:20 = 0.952381

4-47...E, A#, A#, E
5:7:14:20 = 0.928571

4-48...E, B, C#, E
6:9:10:12 = 0.922222

4-49...E, B, C#, G#
6:9:10:15 = 0.888889

4-50...E, B, C#, B
6:9:10:18 = 0.866667

4-51...E, B, D, E
10:15:18:20 = 0.544444

4-52...E, B, D, G
10:15:18:24 = 0.527778

4-53...E, B, D, B
10:15:18:30 = 0.511111

4-54...E, B, D, D
10:15:18:36 = 0.5

4-55...E, B, E, G
10:15:20:24 = 0.516667

4-56...E, B, E, C
10:15:20:32 = 0.495833

4-57...E, B, E, D
10:15:20:36 = 0.488889

4-58...E, B, G, B
10:15:24:30 = 0.483333

4-59...E, B, G, C
10:15:24:32 = 0.479167

4-60...E, B, G, D
10:15:24:36 = 0.472222

4-61...E, B, G, E
10:15:24:40 = 0.466667

4-62...E, B, G#, C
10:15:25:32 = 0.475833

4-63...E, B, B, D
10:15:30:36 = 0.455556

4-64...E, C#, E, G#
6:10:12:15 = 0.833333

4-65...E, C#, E, B
3:5:6:9 = 1.62222

4-66...E, C#, E, C#
3:5:6:10 = 1.6

4-67...E, C#, E, E
3:5:6:12 = 1.56667

4-68...E, C#, G#, B
6:10:15:18 = 0.777778

4-69...E, C#, G#, C#
6:10:15:20 = 0.766667

4-70...E, C#, G#, E
6:10:15:24 = 0.75

4-71...E, C#, B, C#
3:5:9:10 = 1.48889

4-72...E, C#, B, E
3:5:9:12 = 1.45556

4-73...E, C#, C#, E
3:5:10:12 = 1.43333

4-74...E, D, E, G
5:9:10:12 = 0.988889

4-75...E, D, E, B
5:9:10:15 = 0.955556

4-76...E, D, E, D
5:9:10:18 = 0.933333

4-77...E, D, G, B
5:9:12:15 = 0.922222

4-78...E, D, G, D
5:9:12:18 = 0.9

4-79...E, D, B, D
 5:9:15:18 = 0.866667

4-80...E, E, G, A#
 5:10:12:14 = 0.909524

4-81...E, E, G, B
 5:10:12:15 = 0.9

4-82...E, E, G, D
 5:10:12:18 = 0.877778

4-83...E, E, G, E
 5:10:12:20 = 0.866667

4-84...E, E, G#, A#
 10:20:25:28 = 0.451429

4-85...E, E, G#, C
 10:20:25:32 = 0.4425

4-86...E, E, G#, C#
 6:12:15:20 = 0.733333

4-87...E, E, A#, D
 5:10:14:18 = 0.853968

4-88...E, E, A#, E
 5:10:14:20 = 0.842857

4-89...E, E, B, C#
 3:6:9:10 = 1.42222

4-90...E, E, B, D
 5:10:15:18 = 0.844444

4-91...E, E, C#, E
 3:6:10:12 = 1.36667

4-92...E, E, D, E
5:10:18:20 = 0.811111

4-93...F, G, C, C
8:9:12:24 = 0.722222

4-94...F, G, G, C
8:9:18:24 = 0.666667

4-95...F, G, G, E
8:9:18:30 = 0.65

4-96...F, G#, C, D#
12:14:18:21 = 0.515873

4-97...F, G#, C, F
6:7:9:12 = 1.00794

4-98...F, G#, C, A
6:7:9:15 = 0.974603

4-99...F, G#, D#, F
12:14:21:24 = 0.488095

4-100...F, G#, D#, G#
12:14:21:28 = 0.47619

4-101...F, G#, D#, A
12:14:21:30 = 0.471429

4-102...F, G#, D#, D#
12:14:21:42 = 0.452381

4-103...F, G#, F, G#
6:7:12:14 = 0.928571

4-104...F, G#, F, A
6:7:12:15 = 0.919048

4-105...F, G#, F, D#
6:7:12:21 = 0.880952

4-106...F, G#, G#, D#
6:7:14:21 = 0.857143

4-107...F, G#, G#, E
12:14:28:45 = 0.425397

4-108...F, B, F, B
5:7:10:14 = 1.02857

4-109...F, B, F, C
5:7:10:15 = 1.01905

4-110...F, B, F, D#
10:14:20:35 = 0.5

4-111...F, B, F, F
5:7:10:20 = 0.985714

4-112...F, B, B, D#
10:14:28:35 = 0.471429

4-113...F, B, B, F
5:7:14:20 = 0.928571

4-114...F, D#, F, G#
12:21:24:28 = 0.416667

4-115...F, F, G#, C
3:6:7:9 = 1.50794

4-116...F, F, G#, D#
6:12:14:21 = 0.738095

4-117...F, F, G#, F
3:6:7:12 = 1.45238

4-118...F, F, A, B
10:20:25:28 = 0.451429

4-119...F, F, B, D#
10:20:28:35 = 0.428571

4-120...F, F, B, F
5:10:14:20 = 0.842857

4-121...F#, G#, B, D#
9:10:12:15 = 0.722222

4-122...F#, G#, B, F#
9:10:12:18 = 0.7

4-123...F#, G#, B, B
9:10:12:24 = 0.672222

4-124...F#, G#, D#, F#
9:10:15:18 = 0.666667

4-125...F#, G#, D#, B
9:10:15:24 = 0.638889

4-126...F#, G#, D#, D#
9:10:15:30 = 0.622222

4-127...F#, G#, F#, B
9:10:18:24 = 0.616667

4-128...F#, G#, F#, D#
9:10:18:30 = 0.6

4-129...F#, G#, F#, F#
9:10:18:36 = 0.588889

4-130...F#, A#, D#, F#
12:15:20:24 = 0.483333

4-131...F#, A#, D#, A#
12:15:20:30 = 0.466667

4-132...F#, A#, D#, B
12:15:20:32 = 0.4625

4-133...F#, A#, D#, C
12:15:20:34 = 0.458824

4-134...F#, A#, D#, D#
12:15:20:40 = 0.45

4-135...F#, A#, F#, B
12:15:24:32 = 0.445833

4-136...F#, A#, F#, C
12:15:24:34 = 0.442157

4-137...F#, A#, F#, D#
12:15:24:40 = 0.433333

4-138...F#, A#, A#, C
12:15:30:34 = 0.42549

4-139...F#, A#, A#, D#
12:15:30:40 = 0.416667

4-140...F#, C, F#, F#
7:10:14:28 = 0.7

4-141...F#, D#, F#, A#
6:10:12:15 = 0.833333

4-142...F#, D#, F#, C
6:10:12:17 = 0.817647

4-143...F#, D#, F#, D#
3:5:6:10 = 1.6

4-144...F#, D#, F#, F#
3:5:6:12 = 1.56667

4-145...F#, D#, A#, C
6:10:15:17 = 0.784314

4-146...F#, D#, A#, D#
6:10:15:20 = 0.766667

4-147...F#, D#, A#, F#
6:10:15:24 = 0.75

4-148...F#, D#, C, D#
6:10:17:20 = 0.75098

4-149...F#, D#, C, F#
6:10:17:24 = 0.734314

4-150...F#, D#, D#, F#
3:5:10:12 = 1.43333

4-151...F#, F#, A#, C
6:12:15:17 = 0.75098

4-152...F#, F#, A#, D
10:20:25:32 = 0.4425

4-153...F#, F#, A#, D#
6:12:15:20 = 0.733333

4-154...F#, F#, C, D#
6:12:17:20 = 0.717647

4-155...F#, F#, C, F#
6:12:17:24 = 0.70098

4-156...F#, F#, D#, F#
3:6:10:12 = 1.36667

4-157...G, A, C, E
9:10:12:15 = 0.722222

4-158...G, A, C, G
9:10:12:18 = 0.7

4-159...G, A, C, C
9:10:12:24 = 0.672222

4-160...G, A, E, G
9:10:15:18 = 0.666667

4-161...G, A, E, C
9:10:15:24 = 0.638889

4-162...G, A, E, E
9:10:15:30 = 0.622222

4-163...G, A, G, C
9:10:18:24 = 0.616667

4-164...G, A, G, E
9:10:18:30 = 0.6

4-165...G, A, G, G
9:10:18:36 = 0.588889

4-166...G, A#, D, E
6:7:9:10 = 1.04127

4-167...G, A#, D, G
6:7:9:12 = 1.00794

4-168...G, A#, D, B
6:7:9:15 = 0.974603

4-169...G, A#, E, G
6:7:10:12 = 0.985714

4-170...G, A#, E, A#
6:7:10:14 = 0.961905

4-171...G, A#, E, B
6:7:10:15 = 0.952381

4-172...G, A#, E, E
6:7:10:20 = 0.919048

4-173...G, A#, G, A#
6:7:12:14 = 0.928571

4-174...G, A#, G, B
6:7:12:15 = 0.919048

4-175...G, A#, G, E
6:7:12:20 = 0.885714

4-176...G, A#, A#, E
6:7:14:20 = 0.861905

4-177...G, A#, A#, F#
12:14:28:45 = 0.425397

4-178...G, B, D, E
12:15:18:20 = 0.511111

4-179...G, B, E, G
12:15:20:24 = 0.483333

4-180...G, B, E, B
12:15:20:30 = 0.466667

4-181...G, B, E, C
12:15:20:32 = 0.4625

4-182...G, B, E, D
12:15:20:36 = 0.455556

4-183...G, B, E, E
 12:15:20:40 = 0.45

4-184...G, B, G, C
 12:15:24:32 = 0.445833

4-185...G, B, G, E
 12:15:24:40 = 0.433333

4-186...G, B, B, E
 12:15:30:40 = 0.416667

4-187...G, C, A#, F#
 12:16:28:45 = 0.40754

4-188...G, D, E, G
 6:9:10:12 = 0.922222

4-189...G, D, E, B
 6:9:10:15 = 0.888889

4-190...G, D, E, D
 6:9:10:18 = 0.866667

4-191...G, E, G, A#
 3:5:6:7 = 1.68571

4-192...G, E, G, B
 6:10:12:15 = 0.833333

4-193...G, E, G, D
 3:5:6:9 = 1.62222

4-194...G, E, G, E
 3:5:6:10 = 1.6

4-195...G, E, G, G
 3:5:6:12 = 1.56667

4-196...G, E, A#, D
3:5:7:9 = 1.5746

4-197...G, E, A#, E
3:5:7:10 = 1.55238

4-198...G, E, A#, G
3:5:7:12 = 1.51905

4-199...G, E, B, D
6:10:15:18 = 0.777778

4-200...G, E, B, E
6:10:15:20 = 0.766667

4-201...G, E, B, G
6:10:15:24 = 0.75

4-202...G, E, D, E
3:5:9:10 = 1.48889

4-203...G, E, D, G
3:5:9:12 = 1.45556

4-204...G, E, E, G
3:5:10:12 = 1.43333

4-205...G, G, A#, D
3:6:7:9 = 1.50794

4-206...G, G, A#, E
3:6:7:10 = 1.48571

4-207...G, G, A#, G
3:6:7:12 = 1.45238

4-208...G, G, B, E
6:12:15:20 = 0.733333

4-209...G, G, D, E
3:6:9:10 = 1.42222

4-210...G, G, E, G
3:6:10:12 = 1.36667

4-211...G#, A#, D#, D#
8:9:12:24 = 0.722222

4-212...G#, A#, A#, D#
8:9:18:24 = 0.666667

4-213...G#, B, C#, E
15:18:20:24 = 0.427778

4-214...G#, B, C#, G#
15:18:20:30 = 0.411111

4-215...G#, B, C#, B
15:18:20:36 = 0.4

4-216...G#, B, D#, F#
10:12:15:18 = 0.611111

4-217...G#, B, D#, G#
10:12:15:20 = 0.6

4-218...G#, B, D#, B
10:12:15:24 = 0.583333

4-219...G#, B, D#, D#
10:12:15:30 = 0.566667

4-220...G#, B, F#, G#
5:6:9:10 = 1.15556

4-221...G#, B, F#, B
5:6:9:12 = 1.12222

4-222...G#, B, F#, D#
5:6:9:15 = 1.08889

4-223...G#, B, F#, F#
5:6:9:18 = 1.06667

4-224...G#, B, G#, B
5:6:10:12 = 1.1

4-225...G#, B, G#, D#
5:6:10:15 = 1.06667

4-226...G#, B, G#, F#
5:6:10:18 = 1.04444

4-227...G#, B, G#, G#
5:6:10:20 = 1.03333

4-228...G#, B, B, D#
5:6:12:15 = 1.03333

4-229...G#, B, B, F#
5:6:12:18 = 1.01111

4-230...G#, B, B, G#
5:6:12:20 = 1

4-231...G#, C, D#, F
14:18:21:24 = 0.43254

4-232...G#, C, D#, A
14:18:21:30 = 0.415873

4-233...G#, C, F, A
7:9:12:15 = 0.807937

4-234...G#, C, F, D#
7:9:12:21 = 0.769841

4-235...G#, C, A, D#
7:9:15:21 = 0.736508

4-236...G#, D#, F#, G#
10:15:18:20 = 0.544444

4-237...G#, D#, F#, B
10:15:18:24 = 0.527778

4-238...G#, D#, F#, D#
10:15:18:30 = 0.511111

4-239...G#, D#, F#, F#
10:15:18:36 = 0.5

4-240...G#, D#, G#, B
10:15:20:24 = 0.516667

4-241...G#, D#, G#, E
10:15:20:32 = 0.495833

4-242...G#, D#, G#, F#
10:15:20:36 = 0.488889

4-243...G#, D#, B, D#
10:15:24:30 = 0.483333

4-244...G#, D#, B, E
10:15:24:32 = 0.479167

4-245...G#, D#, B, F#
10:15:24:36 = 0.472222

4-246...G#, D#, B, G#
10:15:24:40 = 0.466667

4-247...G#, D#, D#, F#
10:15:30:36 = 0.455556

4-248...G#, F, G#, D#
7:12:14:21 = 0.690476

4-249...G#, F, G#, G#
7:12:14:28 = 0.666667

4-250...G#, F, A, D#
7:12:15:21 = 0.680952

4-251...G#, F, D#, G#
7:12:21:28 = 0.619048

4-252...G#, F#, G#, B
5:9:10:12 = 0.988889

4-253...G#, F#, G#, D#
5:9:10:15 = 0.955556

4-254...G#, F#, G#, F#
5:9:10:18 = 0.933333

4-255...G#, F#, B, D#
5:9:12:15 = 0.922222

4-256...G#, F#, B, F#
5:9:12:18 = 0.9

4-257...G#, F#, D#, F#
5:9:15:18 = 0.866667

4-258...G#, G#, B, D#
5:10:12:15 = 0.9

4-259...G#, G#, B, F#
5:10:12:18 = 0.877778

4-260...G#, G#, B, G#
5:10:12:20 = 0.866667

4-261...G#, G#, D#, F#
5:10:15:18 = 0.844444

4-262...G#, G#, F#, G#
5:10:18:20 = 0.811111

4-263...A, B, E, E
8:9:12:24 = 0.722222

4-264...A, B, B, E
8:9:18:24 = 0.666667

4-265...A, B, B, G#
8:9:18:30 = 0.65

4-266...A, C, D#, G
5:6:7:9 = 1.24127

4-267...A, C, D#, A
5:6:7:10 = 1.21905

4-268...A, C, D#, C
5:6:7:12 = 1.18571

4-269...A, C, D#, D#
5:6:7:14 = 1.1619

4-270...A, C, E, G
10:12:15:18 = 0.611111

4-271...A, C, E, A
10:12:15:20 = 0.6

4-272...A, C, E, C
10:12:15:24 = 0.583333

4-273...A, C, E, E
10:12:15:30 = 0.566667

4-274...A, C, G, A
5:6:9:10 = 1.15556

4-275...A, C, G, C
5:6:9:12 = 1.12222

4-276...A, C, G, E
5:6:9:15 = 1.08889

4-277...A, C, G, G
5:6:9:18 = 1.06667

4-278...A, C, A, C
5:6:10:12 = 1.1

4-279...A, C, A, D#
5:6:10:14 = 1.07619

4-280...A, C, A, E
5:6:10:15 = 1.06667

4-281...A, C, A, G
5:6:10:18 = 1.04444

4-282...A, C, A, A
5:6:10:20 = 1.03333

4-283...A, C, C, D#
5:6:12:14 = 1.04286

4-284...A, C, C, E
5:6:12:15 = 1.03333

4-285...A, C, C, G
5:6:12:18 = 1.01111

4-286...A, C, C, A
5:6:12:20 = 1

4-287...A, D#, G, A
5:7:9:10 = 1.10794

4-288...A, D#, G, C
5:7:9:12 = 1.0746

4-289...A, D#, G, E
5:7:9:15 = 1.04127

4-290...A, D#, A, C
5:7:10:12 = 1.05238

4-291...A, D#, A, D#
5:7:10:14 = 1.02857

4-292...A, D#, A, E
5:7:10:15 = 1.01905

4-293...A, D#, A, A
5:7:10:20 = 0.985714

4-294...A, D#, C, D#
5:7:12:14 = 0.995238

4-295...A, D#, C, E
5:7:12:15 = 0.985714

4-296...A, D#, C, A
5:7:12:20 = 0.952381

4-297...A, D#, D#, A
5:7:14:20 = 0.928571

4-298...A, E, G, A
10:15:18:20 = 0.544444

4-299...A, E, G, C
10:15:18:24 = 0.527778

4-300...A, E, G, E
10:15:18:30 = 0.511111

4-301...A, E, G, G
10:15:18:36 = 0.5

4-302...A, E, A, C
10:15:20:24 = 0.516667

4-303...A, E, A, F
10:15:20:32 = 0.495833

4-304...A, E, A, G
10:15:20:36 = 0.488889

4-305...A, E, C, E
10:15:24:30 = 0.483333

4-306...A, E, C, F
10:15:24:32 = 0.479167

4-307...A, E, C, G
10:15:24:36 = 0.472222

4-308...A, E, C, A
10:15:24:40 = 0.466667

4-309...A, E, C#, F
10:15:25:32 = 0.475833

4-310...A, E, E, G
10:15:30:36 = 0.455556

4-311...A, G, A, C
5:9:10:12 = 0.988889

4-312...A, G, A, E
5:9:10:15 = 0.955556

4-313...A, G, A, G
5:9:10:18 = 0.933333

4-314...A, G, C, E
5:9:12:15 = 0.922222

4-315...A, G, C, G
5:9:12:18 = 0.9

4-316...A, G, E, G
5:9:15:18 = 0.866667

4-317...A, A, C, D#
5:10:12:14 = 0.909524

4-318...A, A, C, E
5:10:12:15 = 0.9

4-319...A, A, C, G
5:10:12:18 = 0.877778

4-320...A, A, C, A
5:10:12:20 = 0.866667

4-321...A, A, C#, D#
10:20:25:28 = 0.451429

4-322...A, A, C#, F
10:20:25:32 = 0.4425

4-323...A, A, D#, G
5:10:14:18 = 0.853968

4-324...A, A, D#, A
5:10:14:20 = 0.842857

4-325...A, A, E, G
5:10:15:18 = 0.844444

4-326...A, A, G, A
5:10:18:20 = 0.811111

4-327...A#, C, C, A#
7:8:16:28 = 0.732143

4-328...A#, D, E, G
7:9:10:12 = 0.874603

4-329...A#, D, E, B
7:9:10:15 = 0.84127

4-330...A#, D, G, B
7:9:12:15 = 0.807937

4-331...A#, E, G, A#
7:10:12:14 = 0.795238

4-332...A#, E, G, B
7:10:12:15 = 0.785714

4-333...A#, E, A#, A#
7:10:14:28 = 0.7

4-334...A#, E, C, A#
7:10:16:28 = 0.682143

4-335...A#, G, A#, C
7:12:14:16 = 0.720238

4-336...A#, G, A#, A#
7:12:14:28 = 0.666667

4-337...A#, G, C, A#
7:12:16:28 = 0.64881

4-338...A#, A#, C, A#
7:14:16:28 = 0.625

4-339...A#, A#, E, A#
6:12:17:24 = 0.70098

4-340...B, C#, E, G#
9:10:12:15 = 0.722222

4-341...B, C#, E, B
9:10:12:18 = 0.7

4-342...B, C#, E, E
9:10:12:24 = 0.672222

4-343...B, C#, G#, B
9:10:15:18 = 0.666667

4-344...B, C#, G#, E
9:10:15:24 = 0.638889

4-345...B, C#, G#, G#
9:10:15:30 = 0.622222

4-346...B, C#, B, E
9:10:18:24 = 0.616667

4-347...B, C#, B, G#
9:10:18:30 = 0.6

4-348...B, C#, B, B
9:10:18:36 = 0.588889

4-349...B, D, E, G
15:18:20:24 = 0.427778

4-350...B, D, E, B
15:18:20:30 = 0.411111

4-351...B, D, E, D
15:18:20:36 = 0.4

4-352...B, D, F#, B

10:12:15:20 = 0.6

4-353...B, D, F#, D

10:12:15:24 = 0.583333

4-354...B, D, F#, F#

10:12:15:30 = 0.566667

4-355...B, D, B, D

5:6:10:12 = 1.1

4-356...B, D, B, F#

5:6:10:15 = 1.06667

4-357...B, D, B, B

5:6:10:20 = 1.03333

4-358...B, D, D, F#

5:6:12:15 = 1.03333

4-359...B, D, D, B

5:6:12:20 = 1

4-360...B, D#, F#, G#

12:15:18:20 = 0.511111

4-361...B, D#, G#, B

12:15:20:24 = 0.483333

4-362...B, D#, G#, D#

12:15:20:30 = 0.466667

4-363...B, D#, G#, E

12:15:20:32 = 0.4625

4-364...B, D#, G#, F

12:15:20:34 = 0.458824

4-365...B, D#, G#, F#
12:15:20:36 = 0.455556

4-366...B, D#, G#, G#
12:15:20:40 = 0.45

4-367...B, D#, B, E
12:15:24:32 = 0.445833

4-368...B, D#, B, F
12:15:24:34 = 0.442157

4-369...B, D#, B, G#
12:15:24:40 = 0.433333

4-370...B, D#, D#, F
12:15:30:34 = 0.42549

4-371...B, D#, D#, G#
12:15:30:40 = 0.416667

4-372...B, F, B, B
7:10:14:28 = 0.7

4-373...B, F#, G#, B
6:9:10:12 = 0.922222

4-374...B, F#, G#, D#
6:9:10:15 = 0.888889

4-375...B, F#, G#, F#
6:9:10:18 = 0.866667

4-376...B, F#, B, D
10:15:20:24 = 0.516667

4-377...B, F#, B, G
10:15:20:32 = 0.495833

4-378...B, F#, D, F#
10:15:24:30 = 0.483333

4-379...B, F#, D, G
10:15:24:32 = 0.479167

4-380...B, F#, D, B
10:15:24:40 = 0.466667

4-381...B, F#, D#, G
10:15:25:32 = 0.475833

4-382...B, G#, B, D#
6:10:12:15 = 0.833333

4-383...B, G#, B, F
6:10:12:17 = 0.817647

4-384...B, G#, B, F#
3:5:6:9 = 1.62222

4-385...B, G#, B, G#
3:5:6:10 = 1.6

4-386...B, G#, B, B
3:5:6:12 = 1.56667

4-387...B, G#, D#, F
6:10:15:17 = 0.784314

4-388...B, G#, D#, F#
6:10:15:18 = 0.777778

4-389...B, G#, D#, G#
6:10:15:20 = 0.766667

4-390...B, G#, D#, B
6:10:15:24 = 0.75

4-391...B, G#, F, G#
6:10:17:20 = 0.75098

4-392...B, G#, F, B
6:10:17:24 = 0.734314

4-393...B, G#, F#, G#
3:5:9:10 = 1.48889

4-394...B, G#, F#, B
3:5:9:12 = 1.45556

4-395...B, G#, G#, B
3:5:10:12 = 1.43333

4-396...B, B, D, F#
5:10:12:15 = 0.9

4-397...B, B, D, B
5:10:12:20 = 0.866667

4-398...B, B, D#, F
6:12:15:17 = 0.75098

4-399...B, B, D#, G
10:20:25:32 = 0.4425

4-400...B, B, D#, G#
6:12:15:20 = 0.733333

4-401...B, B, F, G#
6:12:17:20 = 0.717647

4-402...B, B, F, B
6:12:17:24 = 0.70098

4-403...B, B, F#, G#
3:6:9:10 = 1.42222

4-404...B, B, G#, B
3:6:10:12 = 1.36667

4-405...C, D, G, G
8:9:12:24 = 0.722222

4-406...C, D, D, G
8:9:18:24 = 0.666667

4-407...C, D, D, B
8:9:18:30 = 0.65

4-408...C, D#, G, A
6:7:9:10 = 1.04127

4-409...C, D#, G, A#
12:14:18:21 = 0.515873

4-410...C, D#, G, C
6:7:9:12 = 1.00794

4-411...C, D#, G, E
6:7:9:15 = 0.974603

4-412...C, D#, A, C
6:7:10:12 = 0.985714

4-413...C, D#, A, D#
6:7:10:14 = 0.961905

4-414...C, D#, A, E
6:7:10:15 = 0.952381

4-415...C, D#, A, A
6:7:10:20 = 0.919048

4-416...C, D#, A#, C
12:14:21:24 = 0.488095

4-417...C, D#, A#, D#
12:14:21:28 = 0.47619

4-418...C, D#, A#, E
12:14:21:30 = 0.471429

4-419...C, D#, A#, A#
12:14:21:42 = 0.452381

4-420...C, D#, C, D#
6:7:12:14 = 0.928571

4-421...C, D#, C, E
6:7:12:15 = 0.919048

4-422...C, D#, C, A
6:7:12:20 = 0.885714

4-423...C, D#, C, A#
6:7:12:21 = 0.880952

4-424...C, D#, D#, A
6:7:14:20 = 0.861905

4-425...C, D#, D#, A#
6:7:14:21 = 0.857143

4-426...C, D#, D#, B
12:14:28:45 = 0.425397

4-427...C, E, G, A
12:15:18:20 = 0.511111

4-428...C, E, A, C
12:15:20:24 = 0.483333

4-429...C, E, A, E
12:15:20:30 = 0.466667

4-430...C, E, A, F
12:15:20:32 = 0.4625

4-431...C, E, A, G
12:15:20:36 = 0.455556

4-432...C, E, A, A
12:15:20:40 = 0.45

4-433...C, E, C, F
12:15:24:32 = 0.445833

4-434...C, E, C, A
12:15:24:40 = 0.433333

4-435...C, E, E, A
12:15:30:40 = 0.416667

4-436...C, F, D#, B
12:16:28:45 = 0.40754

4-437...C, F#, C, F#
5:7:10:14 = 1.02857

4-438...C, F#, C, G
5:7:10:15 = 1.01905

4-439...C, F#, C, A#
10:14:20:35 = 0.5

4-440...C, F#, C, C
5:7:10:20 = 0.985714

4-441...C, F#, F#, A#
10:14:28:35 = 0.471429

4-442...C, F#, F#, C
5:7:14:20 = 0.928571

4-443...C, G, A, C
 $6:9:10:12 = 0.922222$

4-444...C, G, A, E
 $6:9:10:15 = 0.888889$

4-445...C, G, A, G
 $6:9:10:18 = 0.866667$

4-446...C, A, C, D#
 $3:5:6:7 = 1.68571$

4-447...C, A, C, E
 $6:10:12:15 = 0.833333$

4-448...C, A, C, G
 $3:5:6:9 = 1.62222$

4-449...C, A, C, A
 $3:5:6:10 = 1.6$

4-450...C, A, C, C
 $3:5:6:12 = 1.56667$

4-451...C, A, D#, G
 $3:5:7:9 = 1.5746$

4-452...C, A, D#, A
 $3:5:7:10 = 1.55238$

4-453...C, A, D#, C
 $3:5:7:12 = 1.51905$

4-454...C, A, E, G
 $6:10:15:18 = 0.777778$

4-455...C, A, E, A
 $6:10:15:20 = 0.766667$

4-456...C, A, E, C
6:10:15:24 = 0.75

4-457...C, A, G, A
3:5:9:10 = 1.48889

4-458...C, A, G, C
3:5:9:12 = 1.45556

4-459...C, A, A, C
3:5:10:12 = 1.43333

4-460...C, A#, C, D#
12:21:24:28 = 0.416667

4-461...C, C, D#, G
3:6:7:9 = 1.50794

4-462...C, C, D#, A
3:6:7:10 = 1.48571

4-463...C, C, D#, A#
6:12:14:21 = 0.738095

4-464...C, C, D#, C
3:6:7:12 = 1.45238

4-465...C, C, E, F#
10:20:25:28 = 0.451429

4-466...C, C, E, A
6:12:15:20 = 0.733333

4-467...C, C, F#, A#
10:20:28:35 = 0.428571

4-468...C, C, F#, C
5:10:14:20 = 0.842857

4-469...C, C, G, A
 3:6:9:10 = 1.42222

4-470...C, C, A, C
 3:6:10:12 = 1.36667

4-471...C#, D#, G#, G#
 8:9:12:24 = 0.722222

4-472...C#, D#, D#, G#
 8:9:18:24 = 0.666667

4-473...C#, E, G#, B
 10:12:15:18 = 0.611111

4-474...C#, E, G#, C#
 10:12:15:20 = 0.6

4-475...C#, E, G#, E
 10:12:15:24 = 0.583333

4-476...C#, E, G#, G#
 10:12:15:30 = 0.566667

4-477...C#, E, B, C#
 5:6:9:10 = 1.15556

4-478...C#, E, B, E
 5:6:9:12 = 1.12222

4-479...C#, E, B, G#
 5:6:9:15 = 1.08889

4-480...C#, E, B, B
 5:6:9:18 = 1.06667

4-481...C#, E, C#, E
 5:6:10:12 = 1.1

4-482...C#, E, C#, G#
5:6:10:15 = 1.06667

4-483...C#, E, C#, B
5:6:10:18 = 1.04444

4-484...C#, E, C#, C#
5:6:10:20 = 1.03333

4-485...C#, E, E, G#
5:6:12:15 = 1.03333

4-486...C#, E, E, B
5:6:12:18 = 1.01111

4-487...C#, E, E, C#
5:6:12:20 = 1

4-488...C#, G#, B, C#
10:15:18:20 = 0.544444

4-489...C#, G#, B, E
10:15:18:24 = 0.527778

4-490...C#, G#, B, G#
10:15:18:30 = 0.511111

4-491...C#, G#, B, B
10:15:18:36 = 0.5

4-492...C#, G#, C#, E
10:15:20:24 = 0.516667

4-493...C#, G#, C#, A
10:15:20:32 = 0.495833

4-494...C#, G#, C#, B
10:15:20:36 = 0.488889

4-495...C#, G#, E, G#
10:15:24:30 = 0.483333

4-496...C#, G#, E, A
10:15:24:32 = 0.479167

4-497...C#, G#, E, B
10:15:24:36 = 0.472222

4-498...C#, G#, E, C#
10:15:24:40 = 0.466667

4-499...C#, G#, G#, B
10:15:30:36 = 0.455556

4-500...C#, B, C#, E
5:9:10:12 = 0.988889

4-501...C#, B, C#, G#
5:9:10:15 = 0.955556

4-502...C#, B, C#, B
5:9:10:18 = 0.933333

4-503...C#, B, E, G#
5:9:12:15 = 0.922222

4-504...C#, B, E, B
5:9:12:18 = 0.9

4-505...C#, B, G#, B
5:9:15:18 = 0.866667

4-506...C#, C#, E, G#
5:10:12:15 = 0.9

4-507...C#, C#, E, B
5:10:12:18 = 0.877778

4-508...C#, C#, E, C#
5:10:12:20 = 0.866667

4-509...C#, C#, G#, B
5:10:15:18 = 0.844444

4-510...C#, C#, B, C#
5:10:18:20 = 0.811111

4-511...D, E, G, B
9:10:12:15 = 0.722222

4-512...D, E, G, D
9:10:12:18 = 0.7

4-513...D, E, G, G
9:10:12:24 = 0.672222

4-514...D, E, B, D
9:10:15:18 = 0.666667

4-515...D, E, B, G
9:10:15:24 = 0.638889

4-516...D, E, B, B
9:10:15:30 = 0.622222

4-517...D, E, D, G
9:10:18:24 = 0.616667

4-518...D, E, D, B
9:10:18:30 = 0.6

4-519...D, E, D, D
9:10:18:36 = 0.588889

4-520...D, F#, B, D
12:15:20:24 = 0.483333

4-521...D, F#, B, F#
12:15:20:30 = 0.466667

4-522...D, F#, B, G
12:15:20:32 = 0.4625

4-523...D, F#, B, B
12:15:20:40 = 0.45

4-524...D, F#, D, G
12:15:24:32 = 0.445833

4-525...D, F#, D, B
12:15:24:40 = 0.433333

4-526...D, F#, F#, B
12:15:30:40 = 0.416667

4-527...D, B, D, F#
6:10:12:15 = 0.833333

4-528...D, B, D, B
3:5:6:10 = 1.6

4-529...D, B, D, D
3:5:6:12 = 1.56667

4-530...D, B, F#, B
6:10:15:20 = 0.766667

4-531...D, B, F#, D
6:10:15:24 = 0.75

4-532...D, B, B, D
3:5:10:12 = 1.43333

4-533...D, D, F#, B
6:12:15:20 = 0.733333

4-534...D, D, B, D
3:6:10:12 = 1.36667

4-535...D#, F, F, D#
7:8:16:28 = 0.732143

4-536...D#, F#, G#, B
15:18:20:24 = 0.427778

4-537...D#, F#, G#, D#
15:18:20:30 = 0.411111

4-538...D#, F#, G#, F#
15:18:20:36 = 0.4

4-539...D#, F#, A#, D#
10:12:15:20 = 0.6

4-540...D#, F#, A#, F#
10:12:15:24 = 0.583333

4-541...D#, F#, A#, A#
10:12:15:30 = 0.566667

4-542...D#, F#, D#, F#
5:6:10:12 = 1.1

4-543...D#, F#, D#, A#
5:6:10:15 = 1.06667

4-544...D#, F#, D#, D#
5:6:10:20 = 1.03333

4-545...D#, F#, F#, A#
5:6:12:15 = 1.03333

4-546...D#, F#, F#, D#
5:6:12:20 = 1

4-547...D#, G, A, C
7:9:10:12 = 0.874603

4-548...D#, G, A, E
7:9:10:15 = 0.84127

4-549...D#, G, A#, C
14:18:21:24 = 0.43254

4-550...D#, G, A#, E
14:18:21:30 = 0.415873

4-551...D#, G, C, E
7:9:12:15 = 0.807937

4-552...D#, G, C, A#
7:9:12:21 = 0.769841

4-553...D#, G, E, A#
7:9:15:21 = 0.736508

4-554...D#, A, C, D#
7:10:12:14 = 0.795238

4-555...D#, A, C, E
7:10:12:15 = 0.785714

4-556...D#, A, D#, D#
7:10:14:28 = 0.7

4-557...D#, A, F, D#
7:10:16:28 = 0.682143

4-558...D#, A#, D#, F#
10:15:20:24 = 0.516667

4-559...D#, A#, D#, B
10:15:20:32 = 0.495833

4-560...D#, A#, F#, A#
10:15:24:30 = 0.483333

4-561...D#, A#, F#, B
10:15:24:32 = 0.479167

4-562...D#, A#, F#, D#
10:15:24:40 = 0.466667

4-563...D#, C, D#, F
7:12:14:16 = 0.720238

4-564...D#, C, D#, A#
7:12:14:21 = 0.690476

4-565...D#, C, D#, D#
7:12:14:28 = 0.666667

4-566...D#, C, E, A#
7:12:15:21 = 0.680952

4-567...D#, C, F, D#
7:12:16:28 = 0.64881

4-568...D#, C, A#, D#
7:12:21:28 = 0.619048

4-569...D#, D#, F, D#
7:14:16:28 = 0.625

4-570...D#, D#, F#, A#
5:10:12:15 = 0.9

4-571...D#, D#, F#, D#
5:10:12:20 = 0.866667

4-572...D#, D#, A, D#
6:12:17:24 = 0.70098

3-1...E, F#, G#
8:9:10 = 0.672222

3-2...E, F#, B
8:9:12 = 0.638889

3-3...E, F#, F#
8:9:18 = 0.583333

3-4...E, G, A#
5:6:7 = 1.01905

3-5...E, G, B
10:12:15 = 0.5

3-6...E, G, D
5:6:9 = 0.955556

3-7...E, G, E
5:6:10 = 0.933333

3-8...E, G, G
5:6:12 = 0.9

3-9...E, G#, C#
12:15:20 = 0.4

3-10...E, A#, D
5:7:9 = 0.907937

3-11...E, A#, E
5:7:10 = 0.885714

3-12...E, A#, G
5:7:12 = 0.852381

3-13...E, A#, A#
5:7:14 = 0.828571

3-14...E, B, C#
6:9:10 = 0.755556

3-15...E, B, D
10:15:18 = 0.444444

3-16...E, B, G
10:15:24 = 0.416667

3-17...E, C#, E
3:5:6 = 1.4

3-18...E, C#, G#
6:10:15 = 0.666667

3-19...E, C#, B
3:5:9 = 1.28889

3-20...E, C#, C#
3:5:10 = 1.26667

3-21...E, D, E
5:9:10 = 0.822222

3-22...E, D, G
5:9:12 = 0.788889

3-23...E, D, B
5:9:15 = 0.755556

3-24...E, D, D
5:9:18 = 0.733333

3-25...E, E, G
5:10:12 = 0.766667

3-26...E, E, A#
5:10:14 = 0.742857

3-27...E, E, C
5:10:16 = 0.725

3-28...E, E, C#
3:6:10 = 1.2

3-29...E, E, D
5:10:18 = 0.711111

3-30...F, G, A
8:9:10 = 0.672222

3-31...F, G, C
8:9:12 = 0.638889

3-32...F, G, G
8:9:18 = 0.583333

3-33...F, G#, C
6:7:9 = 0.84127

3-34...F, G#, D#
12:14:21 = 0.404762

3-35...F, G#, F
6:7:12 = 0.785714

3-36...F, G#, G#
6:7:14 = 0.761905

3-37...F, B, F
5:7:10 = 0.885714

3-38...F, B, B
5:7:14 = 0.828571

3-39...F, F, G#
3:6:7 = 1.28571

3-40...F, F, B
5:10:14 = 0.742857

3-41...F#, G#, B
9:10:12 = 0.588889

3-42...F#, G#, D#
9:10:15 = 0.555556

3-43...F#, G#, F#
9:10:18 = 0.533333

3-44...F#, A#, D#
12:15:20 = 0.4

3-45...F#, C, F#
7:10:14 = 0.628571

3-46...F#, C, G
7:10:15 = 0.619048

3-47...F#, D#, F#
3:5:6 = 1.4

3-48...F#, D#, A#
6:10:15 = 0.666667

3-49...F#, D#, C
6:10:17 = 0.65098

3-50...F#, D#, D#
3:5:10 = 1.26667

3-51...F#, F#, C
6:12:17 = 0.617647

3-52...F#, F#, D
5:10:16 = 0.725

3-53...F#, F#, D#

3:6:10 = 1.2

3-54...G, A, C

9:10:12 = 0.588889

3-55...G, A, E

9:10:15 = 0.555556

3-56...G, A, G

9:10:18 = 0.533333

3-57...G, A#, D

6:7:9 = 0.84127

3-58...G, A#, E

6:7:10 = 0.819048

3-59...G, A#, G

6:7:12 = 0.785714

3-60...G, A#, A#

6:7:14 = 0.761905

3-61...G, B, E

12:15:20 = 0.4

3-62...G, D, E

6:9:10 = 0.755556

3-63...G, E, G

3:5:6 = 1.4

3-64...G, E, A#

3:5:7 = 1.35238

3-65...G, E, B

6:10:15 = 0.666667

3-66...G, E, D
3:5:9 = 1.28889

3-67...G, E, E
3:5:10 = 1.26667

3-68...G, G, A#
3:6:7 = 1.28571

3-69...G, G, E
3:6:10 = 1.2

3-70...G#, A#, D#
8:9:12 = 0.638889

3-71...G#, A#, A#
8:9:18 = 0.583333

3-72...G#, B, D#
10:12:15 = 0.5

3-73...G#, B, F#
5:6:9 = 0.955556

3-74...G#, B, G#
5:6:10 = 0.933333

3-75...G#, B, B
5:6:12 = 0.9

3-76...G#, C, F
7:9:12 = 0.674603

3-77...G#, C, A
7:9:15 = 0.64127

3-78...G#, D#, F#
10:15:18 = 0.444444

3-79...G#, D#, B
10:15:24 = 0.416667

3-80...G#, F, G#
7:12:14 = 0.595238

3-81...G#, F, A
7:12:15 = 0.585714

3-82...G#, F, D#
7:12:21 = 0.547619

3-83...G#, F#, G#
5:9:10 = 0.822222

3-84...G#, F#, B
5:9:12 = 0.788889

3-85...G#, F#, D#
5:9:15 = 0.755556

3-86...G#, F#, F#
5:9:18 = 0.733333

3-87...G#, G#, B
5:10:12 = 0.766667

3-88...G#, G#, E
5:10:16 = 0.725

3-89...G#, G#, F#
5:10:18 = 0.711111

3-90...A, B, C#
8:9:10 = 0.672222

3-91...A, B, E
8:9:12 = 0.638889

3-92...A, B, B
8:9:18 = 0.583333

3-93...A, C, D#
5:6:7 = 1.01905

3-94...A, C, E
10:12:15 = 0.5

3-95...A, C, G
5:6:9 = 0.955556

3-96...A, C, A
5:6:10 = 0.933333

3-97...A, C, C
5:6:12 = 0.9

3-98...A, D#, G
5:7:9 = 0.907937

3-99...A, D#, A
5:7:10 = 0.885714

3-100...A, D#, C
5:7:12 = 0.852381

3-101...A, D#, D#
5:7:14 = 0.828571

3-102...A, E, G
10:15:18 = 0.444444

3-103...A, E, C
10:15:24 = 0.416667

3-104...A, G, A
5:9:10 = 0.822222

3-105...A, G, C
5:9:12 = 0.788889

3-106...A, G, E
5:9:15 = 0.755556

3-107...A, G, G
5:9:18 = 0.733333

3-108...A, A, C
5:10:12 = 0.766667

3-109...A, A, D#
5:10:14 = 0.742857

3-110...A, A, F
5:10:16 = 0.725

3-111...A, A, G
5:10:18 = 0.711111

3-112...A#, C, E
7:8:10 = 0.735714

3-113...A#, C, G
7:8:12 = 0.702381

3-114...A#, C, A#
7:8:14 = 0.678571

3-115...A#, C, C
7:8:16 = 0.660714

3-116...A#, D, E
7:9:10 = 0.707937

3-117...A#, D, G
7:9:12 = 0.674603

3-118...A#, D, B
7:9:15 = 0.64127

3-119...A#, E, G
7:10:12 = 0.652381

3-120...A#, E, A#
7:10:14 = 0.628571

3-121...A#, E, B
7:10:15 = 0.619048

3-122...A#, E, C
7:10:16 = 0.610714

3-123...A#, G, A#
7:12:14 = 0.595238

3-124...A#, G, B
7:12:15 = 0.585714

3-125...A#, G, C
7:12:16 = 0.577381

3-126...A#, A#, C
7:14:16 = 0.553571

3-127...A#, A#, E
6:12:17 = 0.617647

3-128...A#, A#, F#
5:10:16 = 0.725

3-129...B, C#, E
9:10:12 = 0.588889

3-130...B, C#, G#
9:10:15 = 0.555556

3-131...B, C#, B
9:10:18 = 0.533333

3-132...B, D, F#
10:12:15 = 0.5

3-133...B, D, B
5:6:10 = 0.933333

3-134...B, D, D
5:6:12 = 0.9

3-135...B, D#, G#
12:15:20 = 0.4

3-136...B, F, B
7:10:14 = 0.628571

3-137...B, F, C
7:10:15 = 0.619048

3-138...B, F#, G#
6:9:10 = 0.755556

3-139...B, F#, D
10:15:24 = 0.416667

3-140...B, G#, B
3:5:6 = 1.4

3-141...B, G#, D#
6:10:15 = 0.666667

3-142...B, G#, F
6:10:17 = 0.65098

3-143...B, G#, F#
3:5:9 = 1.28889

3-144...B, G#, G#
3:5:10 = 1.26667

3-145...B, B, D
5:10:12 = 0.766667

3-146...B, B, F
6:12:17 = 0.617647

3-147...B, B, G
5:10:16 = 0.725

3-148...B, B, G#
3:6:10 = 1.2

3-149...C, D, E
8:9:10 = 0.672222

3-150...C, D, G
8:9:12 = 0.638889

3-151...C, D, D
8:9:18 = 0.583333

3-152...C, D#, G
6:7:9 = 0.84127

3-153...C, D#, A
6:7:10 = 0.819048

3-154...C, D#, A#
12:14:21 = 0.404762

3-155...C, D#, C
6:7:12 = 0.785714

3-156...C, D#, D#
6:7:14 = 0.761905

3-157...C, E, A
12:15:20 = 0.4

3-158...C, F#, C
5:7:10 = 0.885714

3-159...C, F#, F#
5:7:14 = 0.828571

3-160...C, G, A
6:9:10 = 0.755556

3-161...C, A, C
3:5:6 = 1.4

3-162...C, A, D#
3:5:7 = 1.35238

3-163...C, A, E
6:10:15 = 0.666667

3-164...C, A, G
3:5:9 = 1.28889

3-165...C, A, A
3:5:10 = 1.26667

3-166...C, C, D#
3:6:7 = 1.28571

3-167...C, C, F#
5:10:14 = 0.742857

3-168...C, C, A
3:6:10 = 1.2

3-169...C#, D#, G#
8:9:12 = 0.638889

3-170...C#, D#, D#
8:9:18 = 0.583333

3-171...C#, E, G#
10:12:15 = 0.5

3-172...C#, E, B
5:6:9 = 0.955556

3-173...C#, E, C#
5:6:10 = 0.933333

3-174...C#, E, E
5:6:12 = 0.9

3-175...C#, G#, B
10:15:18 = 0.444444

3-176...C#, G#, E
10:15:24 = 0.416667

3-177...C#, B, C#
5:9:10 = 0.822222

3-178...C#, B, E
5:9:12 = 0.788889

3-179...C#, B, G#
5:9:15 = 0.755556

3-180...C#, B, B
5:9:18 = 0.733333

3-181...C#, C#, E
5:10:12 = 0.766667

3-182...C#, C#, A
5:10:16 = 0.725

3-183...C#, C#, B
5:10:18 = 0.711111

3-184...D, E, G
9:10:12 = 0.588889

3-185...D, E, B
9:10:15 = 0.555556

3-186...D, E, D
9:10:18 = 0.533333

3-187...D, F#, B
12:15:20 = 0.4

3-188...D, B, D
3:5:6 = 1.4

3-189...D, B, F#
6:10:15 = 0.666667

3-190...D, B, B
3:5:10 = 1.26667

3-191...D, D, B
3:6:10 = 1.2

3-192...D#, F, A
7:8:10 = 0.735714

3-193...D#, F, C
7:8:12 = 0.702381

3-194...D#, F, D#
7:8:14 = 0.678571

3-195...D#, F, F
7:8:16 = 0.660714

3-196...D#, F#, A#
10:12:15 = 0.5

3-197...D#, F#, D#
5:6:10 = 0.933333

3-198...D#, F#, F#
5:6:12 = 0.9

3-199...D#, G, A
7:9:10 = 0.707937

3-200...D#, G, C
7:9:12 = 0.674603

3-201...D#, G, E
7:9:15 = 0.64127

3-202...D#, A, C
7:10:12 = 0.652381

3-203...D#, A, D#
7:10:14 = 0.628571

3-204...D#, A, E
7:10:15 = 0.619048

3-205...D#, A, F
7:10:16 = 0.610714

3-206...D#, A#, F#
10:15:24 = 0.416667

3-207...D#, C, D#
7:12:14 = 0.595238

3-208...D#, C, E
7:12:15 = 0.585714

3-209...D#, C, F
7:12:16 = 0.577381

3-210...D#, C, A#
7:12:21 = 0.547619

3-211...D#, D#, F
7:14:16 = 0.553571

3-212...D#, D#, F#
5:10:12 = 0.766667

3-213...D#, D#, A
6:12:17 = 0.617647

3-214...D#, D#, B
5:10:16 = 0.725

2,999 chords altogether

Chapter Five

Strongly Rooted Scales

These scales all contain a 4, 8 or 16 in their IRSs (Integer Representaion of a Scale) which means they are all strongly rooted. They can also be viewed as chord groups. If you land on a root note or chord in a musical phrase it will sound resolved. The root notes or chords are in square brackets.

E

B, [E], G#, B	3:4:5:6
[E], G#, B, E	4:5:6:8
G#, B, [E], F#, G#	5:6:8:9:10
B, [E], F#, G#, B	6:8:9:10:12
[E], F#, G#, B, D#, E	8:9:10:12:15:16
F#, G#, B, D#, [E], F#	9:10:12:15:16:18
B, D#, [E], F#, G#, B	12:15:16:18:20:24

F

C, [F], A, C	3:4:5:6
[F], A, C, D#, F	4:5:6:7:8
A, C, D#, [F], G, A	5:6:7:8:9:10
C, D#, [F], G, A, C	6:7:8:9:10:12
D#, [F], G, A, C, D#	7:8:9:10:12:14
[F], G, A, C, D#, E, F	8:9:10:12:14:15:16
G, A, C, D#, E, [F], G	9:10:12:14:15:16:18
A, C, D#, E, [F], G, A	10:12:14:15:16:18:20
C, D#, E, [F], G, A, A#, C	12:14:15:16:18:20:21:24
D#, E, [F], G, A, A#, C	14:15:16:18:20:21:24
D#, E, [F], G, A, A#, C, D#	14:15:16:18:20:21:24:28
D#, E, [F], G, A, A#, C#	14:15:16:18:20:21:25
D#, E, [F], G, A, A#, C#, D#	14:15:16:18:20:21:25:28
E, [F], G, A, A#, C, D#	15:16:18:20:21:24:28
[F], G, A, A#, C,	16:18:20:21:24

F#

A#, [F#], A# 5:8:10

G

D, [G], B, D 3:4:5:6

[G], B, D, G 4:5:6:8

B, D, [G], B 5:6:8:10

[G], B, D, F#, G 8:10:12:15:16

B, D, F#, [G], B 10:12:15:16:20

D, F#, [G], B, D 12:15:16:20:24

G#

D#, [G#], A#, D# 6:8:9:12

[G#], A#, D#, G# 8:9:12:16

D#, [G#], A, A#, D# 12:16:17:18:24

A

E, [A], C#, E 3:4:5:6

[A], C#, E, A 4:5:6:8

C#, E, [A], B, C# 5:6:8:9:10

E, [A], B, C#, E 6:8:9:10:12

[A], B, C#, E, G#, A 8:9:10:12:15:16

B, C#, E, G#, [A], B 9:10:12:15:16:18

C#, E, G#, [A], B, C# 10:12:15:16:18:20

E, G#, [A], B, C#, E 12:15:16:18:20:24

G#, [A], B, C#, E, G# 15:16:18:20:24:30

B

F#, [B], D#, F# 3:4:5:6

[B], D#, F#, B 4:5:6:8

D#, F#, [B], D# 5:6:8:10

[B], D#, F#, A#, B 8:10:12:15:16

F#, A#, [B], D#, F# 12:15:16:20:24

A#, [B], D#, F#, A# 15:16:20:24:30

C

G, [C], E, G	3:4:5:6
[C], E, G, A#, C	4:5:6:7:8
E, G, A#, [C], E	5:6:7:8:9:10
G, A#, [C], D, E, G	6:7:8:9:10:12
A#, [C], D, E, G, A#	7:8:9:10:12:14
[C], D, E, G, A#, B, C	8:9:10:12:14:15:16
D, E, G, A#, B, [C], D	9:10:12:14:15:16:18
G, A#, B, [C], D, E, G	12:14:15:16:18:20:24
A#, B, [C], D, E, G, A#	14:15:16:18:20:24:28
A#, B, [C], D, E, G#, A#	14:15:16:18:20:25:28
B, [C], D, E, G, A#	15:16:18:20:24:28
B, [C], D, E, G#, A#	15:16:18:20:25:28
[C], D, E, G#	16:18:20:25

C#

G#, [C#], D#, G#	6:8:9:12
[C#], D#, G#, C#	8:9:12:16

D

[D], F, F#, A#	16:19:20:25
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D#

A#, [D#], E, A#	12:16:17:24
A#, [D#], A#	3:4:6

As I said, these scales could be treated as chord groups if the root notes of the chords used all belong in the scale/group chosen. Subsets of these scales/groups could also be used but ideally the root note or tonic chord [in square brackets] should always be retained. In these chord progressions if you *land* on the root or tonic chord the progression will sound *resolved*.

Chapter Six

6:8:9:12 Scales

These scales are not strongly rooted but they all contain a $1/1$, $4/3$, $3/2$ and a $2/1$. Multiply these ratios by 6 and you get 6:8:9:12. In many, if not most, if not all, of these scales the lowest note could function as a root or tonic. Play around with them and you might find other notes that could function as a tonic as well.

The top line in each block of text below is the name of the scale. The second line shows the distances of each note from the lowest note in cents. The third line shows the just interval that each note makes with the lowest note (approximately). The fourth line shows the note names (E, F, F# etc.). 12 scales are on E, 3 on G, 3 on G#, 12 on B and one on C. That is the *lowest notes* (not necessarily the tonics) are on E, G, G#, B and C.

Melodic Major

0	204	385	498	702	815	1019	1200
1/1	9/8	5/4	4/3	3/2	8/5	9/5	2/1
E	F#	G#	A	B	C	D	E

Arabian

0	113	385	498	702	815	1087	1200
1/1	16/15	5/4	4/3	3/2	8/5	15/8	2/1
E	F	G#	A	B	C	D#	E

Neapolitan Major

0	113	317	498	702	883	1087	1200
1/1	16/15	6/5	4/3	3/2	5/3	15/8	2/1
E	F	G	A	B	C#	D#	E

Phrygian

0	113	317	498	702	815	1019	1200
1/1	16/15	6/5	4/3	3/2	8/5	9/5	2/1
E	F	G	A	B	C	D	E

Natural Minor

0	204	317	498	702	815	1019	1200
1/1	9/8	6/5	4/3	3/2	8/5	9/5	2/1
E	F#	G	A	B	C	D	E

Gondolin

0	113	385	498	702	883	1087	1200
1/1	16/15	5/4	4/3	3/2	5/3	15/8	2/1
E	F	G#	A	B	C#	D#	E

Neapolitan Minor

0	113	317	498	702	815	1087	1200
1/1	16/15	6/5	4/3	3/2	8/5	15/8	2/1
E	F	G	A	B	C	D#	E

Harmonic Major

0	204	385	498	702	815	1087	1200
1/1	9/8	5/4	4/3	3/2	8/5	15/8	2/1
E	F#	G#	A	B	C	D#	E

Numenor

0	113	385	498	702	815	1019	1200
1/1	16/15	5/4	4/3	3/2	8/5	9/5	2/1
E	F	G#	A	B	C	D	E

Lorien

0	113	385	498	702	883	1019	1200
1/1	16/15	5/4	4/3	3/2	5/3	9/5	2/1
E	F	G#	A	B	C#	D	E

Harmonic Minor

0	204	317	498	702	815	1087	1200
1/1	9/8	6/5	4/3	3/2	8/5	15/8	2/1
E	F#	G	A	B	C	D#	E

Rivendell

0	113	317	498	702	883	1019	1200
1/1	16/15	6/5	4/3	3/2	5/3	9/5	2/1
E	F	G	A	B	C#	D	E

Major

0	181	385	498	702	883	1087	1200
1/1	10/9	5/4	4/3	3/2	5/3	15/8	2/1
G	A	B	C	D	E	F#	G

Mixolydian

0	181	385	498	702	883	996	1200
1/1	10/9	5/4	4/3	3/2	5/3	16/9	2/1
G	A	B	C	D	E	F	G

Melodic Minor

0	181	272	498	702	883	1087	1200
1/1	10/9	7/6	4/3	3/2	5/3	15/8	2/1
G	A	A#	C	D	E	F#	G

Phrygian

0	113	317	498	702	815	1019	1200
1/1	16/15	6/5	4/3	3/2	8/5	9/5	2/1
G#	A	B	C#	D#	E	F#	G#

Natural Minor

0	204	317	498	702	815	1019	1200
1/1	9/8	6/5	4/3	3/2	8/5	9/5	2/1
G#	A#	B	C#	D#	E	F#	G#

Rivendell

0	113	317	498	702	928	1019	1200
1/1	16/15	6/5	4/3	3/2	12/7	9/5	2/1
G#	A	B	C#	D#	F	F#	G#

Melodic Major

0	181	385	498	702	815	996	1200
1/1	10/9	5/4	4/3	3/2	8/5	16/9	2/1
B	C#	D#	E	F#	G	A	B

Arabian

0	113	385	498	702	815	1087	1200
1/1	16/15	5/4	4/3	3/2	8/5	15/8	2/1
B	C	D#	E	F#	G	A#	B

Neapolitan Major

0	113	317	498	702	883	1087	1200
1/1	16/15	6/5	4/3	3/2	5/3	15/8	2/1
B	C	D	E	F#	G#	A#	B

Major

0	181	385	498	702	883	1087	1200
1/1	10/9	5/4	4/3	3/2	5/3	15/8	2/1
B	C#	D#	E	F#	G#	A#	B

Mixolydian

0	181	385	498	702	883	996	1200
1/1	10/9	5/4	4/3	3/2	5/3	16/9	2/1
B	C#	D#	E	F#	G#	A	B

Gondolin

0	113	385	498	702	883	1087	1200
1/1	16/15	5/4	4/3	3/2	5/3	15/8	2/1
B	C	D#	E	F#	G#	A#	B

Neapolitan Minor

0	113	317	498	702	815	1087	1200
1/1	16/1	6/5	4/3	3/2	8/	15/8	2/1
B	C	D	E	F#	G	A#	B

Harmonic Major

0	181	385	498	702	815	1087	1200
1/1	10/9	5/4	4/3	3/2	8/5	15/8	2/1
B	C#	D#	E	F#	G	A#	B

Numenor

0	113	385	498	702	815	996	1200
1/1	16/15	5/4	4/3	3/2	8/5	16/9	2/1
B	C	D#	E	F#	G	A	B

Lorien

0	113	385	498	702	883	996	1200
1/1	16/15	5/4	4/3	3/2	5/3	16/9	2/1
B	C	D#	E	F#	G#	A	B

Harmonic Minor

0	181	317	498	702	815	1087	1200
1/1	10/9	6/5	4/3	3/2	8/5	15/8	2/1
B	C#	D	E	F#	G	A#	B

Melodic Minor

0	181	317	498	702	883	1087	1200
1/1	10/9	6/5	4/3	3/2	5/3	15/8	2/1
B	C#	D	E	F#	G#	A#	B

The Crow Scale

0	272	385	498	702	883	974	1200
1/1	7/6	5/4	4/3	3/2	5/3	7/4	2/1
C	D#	E	F	G	A	A#	C

Afterword

I'm not 100% sure that my formula for calculating the overall strengths of chords is correct so no guarantees. I am fairly sure however that each interval in each chord listed is good.

As I said in the introduction, if you want to know how I arrived at my Eagle 53 tuning check out my book...

Eagle 53 My Ultimate Musical Tuning (Third Edition)
ISBN 9780956649294

Here is my website address...

www.johnsmusic7.com

My Facebook group...

www.facebook.com/groups/eagletuning

Enjoy the Music

John O'Sullivan

30th August, 2020

EDIT! 31st January, 2021...

Since this book was published in August 2020 I have discovered five intervals that I once thought were good in a harmony context but I now rule them out. They are: 15/7, 13/7, 13/6, 11/6 and 11/5. I don't like them because to my ears the first overtone (or second harmonic) of the lower note in each of these intervals beats significantly against the fundamental of the higher note. I don't like beats. This means that chords containing

intervals within 8.474 cents of any of these five intervals I now deem to be illegal.

How to spot the illegal chords... if the IRC of a chord in this book contains any of the following pairs of numbers the chord is, for me, illegal...

7 and 15, 14 and 30, 21 and 45, 15 and 32, 17 and 8.

I am considering publishing a new edition of this book with all of the illegal chords removed.