

Written By Adi Cox

28th May 2016

CONTENT

PART 1

Standard Twelve-Tone Equal Temperament

- Open Six String Guitar Tunings
- Open String Bass Guitar Tunings
- Fret Positions For Standard Twelve-Tone Equal Temperament

Part 2

Macrotonal Equal Temperament

- Finding The Frequencies Of Macrotonal Equal Temperament
- Fret Positions For Macrotonal Equal Temperament

Part 3

Microtonal Equal Temperament

- Finding The Frequencies Of Microtonal Equal Temperament
 - Fret Positions For Microtonal Equal Temperament
 - Perfect Fourths And Perfect Fifths In Microtonal Music
-

PART 1

Standard Twelve-Tone Equal Temperament

Finding The Frequencies Of Standard twelve-tone equal temperament

n	frequency f= $110 \cdot 2^{(n/12)}$	Note	cent c= $(1200 \ln(f/110)) / \ln 2$	
0	110	A2	000	
1	116.5	A#,Bb	100	One cent is
2	123.5	B2	200	one hundreth
3	130.8	C2	300	of a semi-
4	138.6	C#,Db	400	tone
5	146.8	D2	500	
6	155.6	D#,Eb	600	
7	164.8	E2	700	
8	174.6	F2	800	
9	185	F#,Gb	900	
10	196	G2	1000	
11	207.7	G#,Ab	1100	
12	220	A3	1200	

Open Six String Guitar Tunings:

The second string down on a guitar has an open tuning of 110Hz if it is tuned correctly to standard tuning.

e-----E4=329.6Hz
 B-----B3=246.9Hz
 G-----G3=196.0Hz
 D-----D3=146.8Hz
 A-----A2=110.0Hz
 E-----E2=82.4Hz

Open String Bass Guitar Tunings:

G-----G2=98.0Hz
 D-----D2=73.4Hz
 A-----A1=55.0Hz
 E-----E1=41.24Hz

Fret Positions For Standard Twelve-Tone Equal Temperament:

Using the formula $L - L \cdot 2^{(-n/12)}$

Where L is the length of guitar string from nut to bridge and n is the nth fret from the nut, we get:

L = 640.000mm

fret	from nut	fret to fret
1	35.920mm	35.920mm (nut-1)
2	69.825mm	33.904mm (1-2)
3	101.826mm	32.001mm (2-3)
4	132.032mm	30.205mm (3-4)
5	160.542mm	28.510mm (4-5)
6	187.452mm	26.910mm (5-6)
7	212.851mm	25.400mm (6-7)
8	236.825mm	23.974mm (7-8)
9	259.454mm	22.628mm (8-9)
10	280.812mm	21.358mm (9-10)
11	300.972mm	20.160mm (10-11)
12	320.000mm	19.028mm (11-12)

Part 2
 Macrotonal Equal Temperament

Finding The Frequencies Of Macrotonal Equal Temperament

using the starting pitch of A2 = 110
 where m equals the number of tones in an octave and n is the nth tone.

n	frequency $f=110*2^{(n/m)}$						
	m=11	m=10	m=9	m=8	m=7	m=6	m=5
0	110.0	110.0	110.0	110.0	110.0	110.0	110.0
1	117.2	117.9	118.8	120.0	121.5	123.5	126.4
2	124.8	126.4	128.3	130.8	134.1	138.6	145.2
3	132.9	135.4	138.6	142.7	148.1	155.6	166.7
4	141.5	145.2	149.7	155.6	163.5	174.6	191.5
5	150.7	155.6	161.7	169.6	180.5	196.0	220.0
6	160.5	166.7	174.6	185.0	199.3	220.0	
7	171.0	178.7	188.6	201.7	220.0		
8	182.1	191.5	203.7	220.0			
9	194.0	205.3	220.0				
10	206.6	220.0					
11	220.0						

n	cent $c=(1200\ln(f/110))/\ln 2$						
	m=11	m=10	m=9	m=8	m=7	m=6	m=5
0	000	000	000	000	000	000	000
1	110	120	133	151	172	200	241
2	219	241	266	300	343	400	481
3	327	360	400	451	515	600	720
4	436	481	533	600	686	800	960
5	545	600	666	751	857	1000	1200
6	654	720	800	900	1029	1200	
7	764	840	933	1051	1200		
8	873	960	1066	1200			
9	982	1080	1200				
10	1091	1200					
11	1200						

Because 6 divides into twelve all the frequencies where m=6 are frequencies of standard twelve-tone equal temperament. The same applies to 4, 3 and 2 also where m equals these values.

Fret Positions For Macrotonal Equal Temperament:

Using the formula $L-L*2^{(-n/m)}$

Where L is the length of guitar string from nut to bridge and n is the nth fret from the nut, we get:

$$L = 640.0$$

n fret	distance from the nut is in millimeters for:						
	m=11	m=10	m=9	m=8	m=7	m=6	m=5
1	39.1	42.9	47.4	53.1	60.3	69.8	82.8
2	75.8	82.8	91.4	101.8	115.0	132.0	155.0
3	110.2	120.2	132.0	146.5	164.5	187.5	217.8
4	142.6	155.0	169.7	187.5	209.3	236.8	272.4
5	173.0	187.5	204.6	225.0	249.9	280.8	320.0
6	201.5	217.8	236.8	259.5	286.7	320.0	361.4
7	228.3	246.0	266.7	291.0	320.0	354.9	397.5
8	253.4	272.4	294.4	320.0	350.2	386.0	428.9
9	277.0	297.0	320.0	346.6	377.5	413.7	456.2
10	299.2	320.0	343.7	370.9	402.2	438.4	480.0
11	320.0	341.4	365.7	393.3	424.7	460.4	500.7

12	339.5	361.4	386.0	413.7	445.0	480.0	518.7
13	357.9	380.1	404.8	432.5	463.4	497.5	534.4
14	375.1	397.5	422.3	449.7	480.0	513.0	548.1
15	391.3	413.7	438.4	465.5	495.0	526.9	560.0

Part 3
Microtonal Equal Temperament

Finding The Frequencies Of Macrotonal Equal Temperament

using the starting pitch of A2 = 110
where m equals the number of tones in an octave and n is the nth
tone.

n	frequency $f=110 \cdot 2^{(n/m)}$						
	m=13	m=14	m=15	m=16	m=17	m=18	m=19
0	110.0	110.0	110.0	110.0	110.0	110.0	110.0
1	116.0	115.6	115.2	114.9	114.6	114.3	114.1
2	122.4	121.5	120.7	120.0	119.4	118.8	118.3
3	129.1	127.6	126.4	125.3	124.3	123.5	122.7
4	136.2	134.1	132.3	130.8	129.5	128.3	127.3
5	143.6	140.9	138.6	136.6	134.9	133.4	132.0
6	151.5	148.1	145.2	142.7	140.5	138.6	136.9
7	160.0	155.6	152.0	149.0	146.3	144.0	142.0
8	169.0	163.5	159.2	155.6	152.4	149.7	147.3
9	178.0	171.8	166.7	162.5	158.8	155.6	152.8
10	187.5	180.5	174.6	169.6	165.4	161.7	158.4
11	197.8	189.6	182.9	177.2	172.3	168.0	164.3
12	208.6	199.3	191.5	185.0	179.4	174.6	170.4
13	220.0	209.4	200.6	193.2	186.9	181.5	176.8
14		220.0	210.1	201.7	194.7	188.6	183.3
15			220.0	210.7	202.8	196.0	190.1
16				220.0	211.2	203.7	197.2
17					220.0	211.7	204.5
18						220.0	212.1
19							220.0

n	cent $c=(1200 \ln(f/110))/\ln 2$						
	m=13	m=14	m=15	m=16	m=17	m=18	m=19
0	000	000	000	000	000	000	000
1	92	86	80	75	71	67	63
2	185	171	160	150	141	133	126
3	277	257	240	225	212	200	189
4	369	343	320	300	282	267	253
5	462	429	400	375	353	333	316
6	554	514	480	450	424	400	379
7	646	600	560	525	494	467	442
8	739	686	640	600	565	533	505

9	831	771	720	675	635	600	568
10	923	857	800	750	706	667	632
11	1015	943	880	825	776	733	695
12	1108	1029	960	900	847	800	758
13	1200	1114	1040	975	918	867	821
14		1200	1120	1050	988	933	884
15			1200	1125	1059	1000	947
16				1200	1129	1067	1011
17					1200	1133	1074
18						1200	1137
19							1200

Fret Positions For Macrotonal Equal Temperament:

Using the formula $L - L \cdot 2^{(-n/m)}$

Where L is the length of guitar string from nut to bridge and n is the nth fret from the nut, we get:

$L = 640.0$

nth fret	distance from the nut is in millimeters for:						
	m=13	m=14	m=15	m=16	m=17	m=18	m=19
1	33.2	30.9	28.9	27.1	25.6	24.2	22.9
2	64.7	60.3	56.5	53.1	50.1	47.4	45.0
3	94.6	88.3	82.8	78.1	73.7	69.8	66.3
4	122.9	115.0	108.0	101.8	96.3	91.4	86.9
5	149.8	140.4	132.0	124.6	118.0	112.1	106.7
6	175.2	164.5	155.0	146.5	138.9	132.0	125.8
7	199.4	187.5	176.9	167.4	158.9	151.2	144.2
8	222.2	209.3	197.8	187.5	178.1	169.7	162.0
9	243.9	230.1	217.8	206.6	196.6	187.5	179.1
10	264.5	249.9	236.8	225.0	214.3	204.6	195.6
11	284.0	268.8	255.0	242.6	231.3	221.0	211.6
12	302.5	286.7	272.4	259.5	247.6	236.8	226.9
13	320.0	303.8	289.0	275.6	263.3	252.1	241.7
14	336.6	320.0	304.9	291.0	278.4	266.7	256.0
15	352.4	335.5	320.0	305.8	292.8	280.8	269.7
16	367.3	350.2	334.5	320.0	306.7	294.4	283.0
17	381.5	364.2	348.3	333.6	320.0	307.4	295.8
18	394.9	377.5	361.4	346.6	332.8	320.0	308.1
19	407.6	390.2	374.0	359.0	345.1	332.1	320.0

Perfect Fourths And Perfect Fifths In Microtonal Music:

Perfect fourths and perfect fifths are called perfect because they have a pleasing consonance sound.

The interval of a perfect fourth has a ratio 4/3

An example of a perfect fourth:

```
2^x = 4/3
xln(2) = ln(4/3)
x = (ln(4/3))/ln2
= 0.4150374993
```

A good approximation here is $22/53 = 0.4150943396$

The interval of a perfect fifth has a ratio $3/2$

An example of a perfect fifth:

```
2^x = 3/2
xln(2) = ln(3/2)
x = (ln(3/2))/ln2
= 0.5849625007
```

A good approximation here is $31/53 = 0.5849056604$

So in 53 TET (Tonal Equal Temperament) the 22nd semi tone is a perfect fourth and the 31st semi tone is a perfect fifth.

Below is an HTML program for finding frequencies in microtonal equal temperament:

```
<!DOCTYPE html>
<html>
<body>

<script>

document.write("nth semi-tone of m semi-tones in an octave <br /><br />")
document.write("frequency(n/m) f = 110*2^(n/m) <br />");
document.write("cent(n/m) c = (1200ln(f/110))/ln2 <br />");
u=0;
v=13;
w=101;
b=0;
{
for (m = v; m < w; m++)
{
document.write("<br />Number of semi-tones = ",m, "<br />");
for (n = u; n < m+1; n++)
{

var b = Math.pow(2, n/m);

f=110*b;

var a = Math.log(f/110);
var b = Math.log(2);

c=(1200*a)/b;

document.write("Frequency(",n,"/",m,") = ",f,"<br />");
//document.write("Cent(",n,"/",m,") = ",c,"<br />" );
```

```
}  
}  
}  
</script>  
  
</body>  
</html>
```

Below is the output of the above program, from 13 TET up to 1000 TET:

nth semi-tone of m semi-tones in an octave

$$\text{frequency}(n/m) \quad f = 110 \cdot 2^{(n/m)}$$
$$\text{cent}(n/m) \quad c = (1200 \ln(f/110)) / \ln 2$$

Number of semi-tones = 13
Frequency(0/13) = 110
Frequency(1/13) = 116.02426841298113
Frequency(2/13) = 122.37846237061355
Frequency(3/13) = 129.0806506005089
Frequency(4/13) = 136.1498913835971
Frequency(5/13) = 143.60628674807904
Frequency(6/13) = 151.47103963136965
Frequency(7/13) = 159.76651417257577
Frequency(8/13) = 168.51629930695714
Frequency(9/13) = 177.745275843206
Frequency(10/13) = 187.4796872142864
Frequency(11/13) = 197.74721410301922
Frequency(12/13) = 208.57705315461774
Frequency(13/13) = 220

Number of semi-tones = 14
Frequency(0/14) = 110
Frequency(1/14) = 115.58323025185413
Frequency(2/14) = 121.44984650411935
Frequency(3/14) = 127.6142324776179
Frequency(4/14) = 134.0915019624923
Frequency(5/14) = 140.89753587406997
Frequency(6/14) = 148.04902118955917
Frequency(7/14) = 155.56349186104046
Frequency(8/14) = 163.45937180506434
Frequency(9/14) = 171.75602007425624
Frequency(10/14) = 180.47377832168036
Frequency(11/14) = 189.6340206743351
Frequency(12/14) = 199.25920613805945
Frequency(13/14) = 209.3729336623363
Frequency(14/14) = 220

Number of semi-tones = 15
Frequency(0/15) = 110
Frequency(1/15) = 115.20235351026894
Frequency(2/15) = 120.65074776640884
Frequency(3/15) = 126.35681904967386
Frequency(4/15) = 132.33275396903284
Frequency(5/15) = 138.59131548843604
Frequency(6/15) = 145.14587018501837
Frequency(7/15) = 152.01041679645536

Frequency(8/15) = 159.1996161184416
Frequency(9/15) = 166.72882231614378
Frequency(10/15) = 174.61411571650194
Frequency(11/15) = 182.87233715141332
Frequency(12/15) = 191.52112392514732
Frequency(13/15) = 200.5789474828077
Frequency(14/15) = 210.06515286029165
Frequency(15/15) = 220

Number of semi-tones = 16

Frequency(0/16) = 110
Frequency(1/16) = 114.87011606701552
Frequency(2/16) = 119.95585059317834
Frequency(3/16) = 125.26674982323607
Frequency(4/16) = 130.8127826502993
Frequency(5/16) = 136.60435932808323
Frequency(6/16) = 142.65235101161107
Frequency(7/16) = 148.96811016305818
Frequency(8/16) = 155.56349186104046
Frequency(9/16) = 162.45087605334493
Frequency(10/16) = 169.64319079487348
Frequency(11/16) = 177.15393651441798
Frequency(12/16) = 184.9972113558172
Frequency(13/16) = 193.18773764106294
Frequency(14/16) = 201.74088950502767
Frequency(15/16) = 210.6727217536862
Frequency(16/16) = 220

Number of semi-tones = 17

Frequency(0/17) = 110
Frequency(1/17) = 114.57776117156422
Frequency(2/17) = 119.34603050080008
Frequency(3/17) = 124.31273617722628
Frequency(4/17) = 129.48613632998095
Frequency(5/17) = 134.8748327585924
Frequency(6/17) = 140.48778523516967
Frequency(7/17) = 146.33432640179342
Frequency(8/17) = 152.42417728787646
Frequency(9/17) = 158.7674634732952
Frequency(10/17) = 165.37473192416604
Frequency(11/17) = 172.25696852925958
Frequency(12/17) = 179.42561636621053
Frequency(13/17) = 186.8925947278943
Frequency(14/17) = 194.6703189406056
Frequency(15/17) = 202.7717210069904
Frequency(16/17) = 211.2102711080545
Frequency(17/17) = 220

Number of semi-tones = 18

Frequency(0/18) = 110
Frequency(1/18) = 114.31851486350277
Frequency(2/18) = 118.80657127815367
Frequency(3/18) = 123.47082531403103
Frequency(4/18) = 128.31819435337283
Frequency(5/18) = 133.3558673494899
Frequency(6/18) = 138.59131548843604
Frequency(7/18) = 144.03230326924708
Frequency(8/18) = 149.68690001918145
Frequency(9/18) = 155.56349186104046
Frequency(10/18) = 161.67079415031588

Frequency (11/18) = 168.01786440061076
Frequency (12/18) = 174.61411571650194
Frequency (13/18) = 181.46933075376654
Frequency (14/18) = 188.593676227676
Frequency (15/18) = 195.99771799087463
Frequency (16/18) = 203.69243670320387
Frequency (17/18) = 211.68924411671193
Frequency (18/18) = 220

Number of semi-tones = 19

Frequency (0/19) = 110
Frequency (1/19) = 114.0870548890811
Frequency (2/19) = 118.32596448422007
Frequency (3/19) = 122.7223709537698
Frequency (4/19) = 127.28212610109918
Frequency (5/19) = 132.01129915359135
Frequency (6/19) = 136.91618484104256
Frequency (7/19) = 142.00331177421455
Frequency (8/19) = 147.27945113469195
Frequency (9/19) = 152.75162568761218
Frequency (10/19) = 158.42711912926347
Frequency (11/19) = 164.31348578199342
Frequency (12/19) = 170.4185606493321
Frequency (13/19) = 176.75046984471413
Frequency (14/19) = 183.3176414076798
Frequency (15/19) = 190.12881652195324
Frequency (16/19) = 197.19306115032828
Frequency (17/19) = 204.5197781018494
Frequency (18/19) = 212.11871954734892
Frequency (19/19) = 220

Number of semi-tones = 20

Frequency (0/20) = 110
Frequency (1/20) = 113.87914162255153
Frequency (2/20) = 117.89508087899225
Frequency (3/20) = 122.05264192746296
Frequency (4/20) = 126.35681904967386
Frequency (5/20) = 130.8127826502993
Frequency (6/20) = 135.4258854679408
Frequency (7/20) = 140.20166900511884
Frequency (8/20) = 145.14587018501837
Frequency (9/20) = 150.2644282429835
Frequency (10/20) = 155.56349186104046
Frequency (11/20) = 161.0494265540188
Frequency (12/20) = 166.72882231614378
Frequency (13/20) = 172.60850153728518
Frequency (14/20) = 178.6955271983718
Frequency (15/20) = 184.9972113558172
Frequency (16/20) = 191.52112392514732
Frequency (17/20) = 198.27510177438265
Frequency (18/20) = 205.26725813809762
Frequency (19/20) = 212.50599236346602
Frequency (20/20) = 220

Number of semi-tones = 21

Frequency (0/21) = 110
Frequency (1/21) = 113.69135613077304
Frequency (2/21) = 117.50658598958424
Frequency (3/21) = 121.44984650411935
Frequency (4/21) = 125.52543409934142

Frequency (5/21) = 129.73778937871006
Frequency (6/21) = 134.0915019624923
Frequency (7/21) = 138.59131548843604
Frequency (8/21) = 143.2421327802555
Frequency (9/21) = 148.04902118955917
Frequency (10/21) = 153.01721811704124
Frequency (11/21) = 158.15213671895194
Frequency (12/21) = 163.45937180506434
Frequency (13/21) = 168.94470593456373
Frequency (14/21) = 174.61411571650194
Frequency (15/21) = 180.47377832168036
Frequency (16/21) = 186.53007821305772
Frequency (17/21) = 192.7896141020154
Frequency (18/21) = 199.25920613805945
Frequency (19/21) = 205.9459033397931
Frequency (20/21) = 212.85699127525615
Frequency (21/21) = 220

Number of semi-tones = 22

Frequency (0/22) = 110
Frequency (1/22) = 113.52091077076305
Frequency (2/22) = 117.1545198383959
Frequency (3/22) = 120.90443448151026
Frequency (4/22) = 124.77437744150089
Frequency (5/22) = 128.7681906183103
Frequency (6/22) = 132.8898388844892
Frequency (7/22) = 137.143414021338
Frequency (8/22) = 141.53313878103748
Frequency (9/22) = 146.06337107880168
Frequency (10/22) = 150.7386083192136
Frequency (11/22) = 155.56349186104046
Frequency (12/22) = 160.54281162495909
Frequency (13/22) = 165.6815108487673
Frequency (14/22) = 170.98469099480113
Frequency (15/22) = 176.4576168144301
Frequency (16/22) = 182.10572157465836
Frequency (17/22) = 187.9346124520201
Frequency (18/22) = 193.95007609912466
Frequency (19/22) = 200.15808438937668
Frequency (20/22) = 206.56480034557538
Frequency (21/22) = 213.17658425827776
Frequency (22/22) = 220

Number of semi-tones = 23

Frequency (0/23) = 110
Frequency (1/23) = 113.36550992272103
Frequency (2/23) = 116.83398945489601
Frequency (3/23) = 120.40858900781906
Frequency (4/23) = 124.09255538133408
Frequency (5/23) = 127.88923471289489
Frequency (6/23) = 131.8020755168535
Frequency (7/23) = 135.8346318167371
Frequency (8/23) = 139.9905663733588
Frequency (9/23) = 144.27365401169402
Frequency (10/23) = 148.68778504954471
Frequency (11/23) = 153.23696883110523
Frequency (12/23) = 157.92533736863956
Frequency (13/23) = 162.75714909557794
Frequency (14/23) = 167.73679273444117
Frequency (15/23) = 172.8687912831063

Frequency (16/23) = 178.1578061230343
Frequency (17/23) = 183.60864125319142
Frequency (18/23) = 189.22624765350906
Frequency (19/23) = 195.01572778184683
Frequency (20/23) = 200.98234020854198
Frequency (21/23) = 207.131504392756
Frequency (22/23) = 213.4688056049556
Frequency (23/23) = 220

Number of semi-tones = 24

Frequency (0/24) = 110
Frequency (1/24) = 113.22324603078413
Frequency (2/24) = 116.54094037952248
Frequency (3/24) = 119.95585059317834
Frequency (4/24) = 123.47082531403103
Frequency (5/24) = 127.08879665595002
Frequency (6/24) = 130.8127826502993
Frequency (7/24) = 134.6458897635121
Frequency (8/24) = 138.59131548843604
Frequency (9/24) = 142.65235101161107
Frequency (10/24) = 146.8323839587038
Frequency (11/24) = 151.1349012203898
Frequency (12/24) = 155.56349186104046
Frequency (13/24) = 160.1218501126406
Frequency (14/24) = 164.81377845643496
Frequency (15/24) = 169.64319079487348
Frequency (16/24) = 174.61411571650194
Frequency (17/24) = 179.730699856521
Frequency (18/24) = 184.9972113558172
Frequency (19/24) = 190.41804342135146
Frequency (20/24) = 195.99771799087463
Frequency (21/24) = 201.74088950502767
Frequency (22/24) = 207.65234878997256
Frequency (23/24) = 213.7370270537933
Frequency (24/24) = 220

Number of semi-tones = 25

Frequency (0/25) = 110
Frequency (1/25) = 113.09252093216732
Frequency (2/25) = 116.27198446175183
Frequency (3/25) = 119.54083487786637
Frequency (4/25) = 122.9015851879442
Frequency (5/25) = 126.35681904967386
Frequency (6/25) = 129.90919275724832
Frequency (7/25) = 133.56143728345518
Frequency (8/25) = 137.3163603791773
Frequency (9/25) = 141.17684873191948
Frequency (10/25) = 145.14587018501837
Frequency (11/25) = 149.2264760192439
Frequency (12/25) = 153.4218032985446
Frequency (13/25) = 157.735077281741
Frequency (14/25) = 162.16961390202113
Frequency (15/25) = 166.72882231614378
Frequency (16/25) = 171.41620752530997
Frequency (17/25) = 176.23537306971687
Frequency (18/25) = 181.1900237988661
Frequency (19/25) = 186.28396871975596
Frequency (20/25) = 191.52112392514732
Frequency (21/25) = 196.90551560415395
Frequency (22/25) = 202.4412831374725

Frequency (23/25) = 208.1326822796311
Frequency (24/25) = 213.98408843070283
Frequency (25/25) = 220

Number of semi-tones = 26

Frequency (0/26) = 110
Frequency (1/26) = 112.97198557796497
Frequency (2/26) = 116.02426841298113
Frequency (3/26) = 119.15901798041129
Frequency (4/26) = 122.37846237061355
Frequency (5/26) = 125.6848898726044
Frequency (6/26) = 129.0806506005089
Frequency (7/26) = 132.5681581639548
Frequency (8/26) = 136.1498913835971
Frequency (9/26) = 139.82839605299296
Frequency (10/26) = 143.60628674807904
Frequency (11/26) = 147.48624868553716
Frequency (12/26) = 151.47103963136965
Frequency (13/26) = 155.56349186104046
Frequency (14/26) = 159.76651417257577
Frequency (15/26) = 164.0830939540542
Frequency (16/26) = 168.51629930695714
Frequency (17/26) = 173.06928122688717
Frequency (18/26) = 177.745275843206
Frequency (19/26) = 182.54760671918248
Frequency (20/26) = 187.4796872142864
Frequency (21/26) = 192.54502291030678
Frequency (22/26) = 197.74721410301922
Frequency (23/26) = 203.08995836117305
Frequency (24/26) = 208.57705315461774
Frequency (25/26) = 214.21239855343552
Frequency (26/26) = 220

Number of semi-tones = 27

Frequency (0/27) = 110
Frequency (1/27) = 112.86049331777426
Frequency (2/27) = 115.79537229028513
Frequency (3/27) = 118.80657127815367
Frequency (4/27) = 121.8960749440521
Frequency (5/27) = 125.06591956078273
Frequency (6/27) = 128.31819435337283
Frequency (7/27) = 131.6550428760699
Frequency (8/27) = 135.07866442514518
Frequency (9/27) = 138.59131548843604
Frequency (10/27) = 142.19531123258344
Frequency (11/27) = 145.89302702894372
Frequency (12/27) = 149.68690001918145
Frequency (13/27) = 153.57943072157428
Frequency (14/27) = 157.57318467908914
Frequency (15/27) = 161.67079415031588
Frequency (16/27) = 165.87495984437254
Frequency (17/27) = 170.18845270092615
Frequency (18/27) = 174.61411571650194
Frequency (19/27) = 179.15486581828478
Frequency (20/27) = 183.81369578664788
Frequency (21/27) = 188.593676227676
Frequency (22/27) = 193.49795759698281
Frequency (23/27) = 198.52977227615673
Frequency (24/27) = 203.69243670320387
Frequency (25/27) = 208.98935355839177

Frequency (26/27) = 214.42401400693484
Frequency (27/27) = 220

Number of semi-tones = 28

Frequency (0/28) = 110
Frequency (1/28) = 112.7570633162462
Frequency (2/28) = 115.58323025185413
Frequency (3/28) = 118.48023283458708
Frequency (4/28) = 121.44984650411935
Frequency (5/28) = 124.49389120012155
Frequency (6/28) = 127.6142324776179
Frequency (7/28) = 130.8127826502993
Frequency (8/28) = 134.0915019624923
Frequency (9/28) = 137.45239979050268
Frequency (10/28) = 140.89753587406997
Frequency (11/28) = 144.42902157868707
Frequency (12/28) = 148.04902118955917
Frequency (13/28) = 151.75975323799454
Frequency (14/28) = 155.56349186104046
Frequency (15/28) = 159.46256819519718
Frequency (16/28) = 163.45937180506434
Frequency (17/28) = 167.55635214779517
Frequency (18/28) = 171.75602007425624
Frequency (19/28) = 176.06094936781238
Frequency (20/28) = 180.47377832168036
Frequency (21/28) = 184.9972113558172
Frequency (22/28) = 189.6340206743351
Frequency (23/28) = 194.38704796445768
Frequency (24/28) = 199.25920613805945
Frequency (25/28) = 204.25348111685568
Frequency (26/28) = 209.3729336623363
Frequency (27/28) = 214.6207012515661
Frequency (28/28) = 220

Number of semi-tones = 29

Frequency (0/29) = 110
Frequency (1/29) = 112.66085162738969
Frequency (2/29) = 115.3860680855338
Frequency (3/29) = 118.17720633138372
Frequency (4/29) = 121.03586098399492
Frequency (5/29) = 123.96366523555653
Frequency (6/29) = 126.96229178445854
Frequency (7/29) = 130.03345379092949
Frequency (8/29) = 133.1789058557904
Frequency (9/29) = 136.40044502288455
Frequency (10/29) = 139.69991180575568
Frequency (11/29) = 143.07919123916062
Frequency (12/29) = 146.54021395601808
Frequency (13/29) = 150.08495729040817
Frequency (14/29) = 153.71544640725267
Frequency (15/29) = 157.43375545932244
Frequency (16/29) = 161.2420087722316
Frequency (17/29) = 165.14238205809687
Frequency (18/29) = 169.13710365855414
Frequency (19/29) = 173.22845581784364
Frequency (20/29) = 177.41877598669012
Frequency (21/29) = 181.71045815772354
Frequency (22/29) = 186.10595423320268
Frequency (23/29) = 190.6077754258239
Frequency (24/29) = 195.21849369341422

Frequency (25/29) = 199.94074320832954
Frequency (26/29) = 204.77722186239674
Frequency (27/29) = 209.73069280825948
Frequency (28/29) = 214.80398603800882
Frequency (29/29) = 220

Number of semi-tones = 30

Frequency (0/30) = 110
Frequency (1/30) = 112.57112811964525
Frequency (2/30) = 115.20235351026894
Frequency (3/30) = 117.89508087899225
Frequency (4/30) = 120.65074776640884
Frequency (5/30) = 123.47082531403103
Frequency (6/30) = 126.35681904967386
Frequency (7/30) = 129.31026969119696
Frequency (8/30) = 132.33275396903284
Frequency (9/30) = 135.4258854679408
Frequency (10/30) = 138.59131548843604
Frequency (11/30) = 141.8307339283537
Frequency (12/30) = 145.14587018501837
Frequency (13/30) = 148.53849407850092
Frequency (14/30) = 152.01041679645536
Frequency (15/30) = 155.56349186104046
Frequency (16/30) = 159.1996161184416
Frequency (17/30) = 162.92073075152206
Frequency (18/30) = 166.72882231614378
Frequency (19/30) = 170.6259238017108
Frequency (20/30) = 174.61411571650194
Frequency (21/30) = 178.6955271983718
Frequency (22/30) = 182.87233715141332
Frequency (23/30) = 187.14677540918825
Frequency (24/30) = 191.52112392514732
Frequency (25/30) = 195.99771799087463
Frequency (26/30) = 200.5789474828077
Frequency (27/30) = 205.26725813809762
Frequency (28/30) = 210.06515286029165
Frequency (29/30) = 214.9751930555341
Frequency (30/30) = 220

Number of semi-tones = 31

Frequency (0/31) = 110
Frequency (1/31) = 112.48725791613951
Frequency (2/31) = 115.03075630447358
Frequency (3/31) = 117.6317668428174
Frequency (4/31) = 120.29158996344718
Frequency (5/31) = 123.01155550327987
Frequency (6/31) = 125.79302336875413
Frequency (7/31) = 128.63738421574556
Frequency (8/31) = 131.54606014485552
Frequency (9/31) = 134.5205054124215
Frequency (10/31) = 137.56220715760455
Frequency (11/31) = 140.67268614591708
Frequency (12/31) = 143.85349752956293
Frequency (13/31) = 147.10623162496987
Frequency (14/31) = 150.43251470790315
Frequency (15/31) = 153.83400982655778
Frequency (16/31) = 157.31241763303586
Frequency (17/31) = 160.8694772336251
Frequency (18/31) = 164.50696705830293
Frequency (19/31) = 168.22670574990175

Frequency (20/31) = 172.03055307337917
Frequency (21/31) = 175.92041084564846
Frequency (22/31) = 179.89822388643356
Frequency (23/31) = 183.96598099062422
Frequency (24/31) = 188.12571592261787
Frequency (25/31) = 192.37950843314468
Frequency (26/31) = 196.72948529908442
Frequency (27/31) = 201.17782138679533
Frequency (28/31) = 205.72674073948633
Frequency (29/31) = 210.37851768917608
Frequency (30/31) = 215.1354779937952
Frequency (31/31) = 220

Number of semi-tones = 32

Frequency (0/32) = 110
Frequency (1/32) = 112.40868635195282
Frequency (2/32) = 114.87011606701552
Frequency (3/32) = 117.3854440744506
Frequency (4/32) = 119.95585059317834
Frequency (5/32) = 122.58254168554816
Frequency (6/32) = 125.26674982323607
Frequency (7/32) = 128.0097344655335
Frequency (8/32) = 130.8127826502993
Frequency (9/32) = 133.67720959785157
Frequency (10/32) = 136.60435932808323
Frequency (11/32) = 139.59560529109066
Frequency (12/32) = 142.65235101161107
Frequency (13/32) = 145.77603074757155
Frequency (14/32) = 148.96811016305818
Frequency (15/32) = 152.2300870160215
Frequency (16/32) = 155.56349186104046
Frequency (17/32) = 158.96988876747514
Frequency (18/32) = 162.45087605334493
Frequency (19/32) = 166.0080870352765
Frequency (20/32) = 169.64319079487348
Frequency (21/32) = 173.35789296186752
Frequency (22/32) = 177.15393651441798
Frequency (23/32) = 181.03310259693615
Frequency (24/32) = 184.9972113558172
Frequency (25/32) = 189.04812279347257
Frequency (26/32) = 193.18773764106294
Frequency (27/32) = 197.41799825034178
Frequency (28/32) = 201.74088950502767
Frequency (29/32) = 206.158439752133
Frequency (30/32) = 210.6727217536862
Frequency (31/32) = 215.28585365929402
Frequency (32/32) = 220

Number of semi-tones = 33

Frequency (0/33) = 110
Frequency (1/33) = 112.33492669469005
Frequency (2/33) = 114.7194159591035
Frequency (3/33) = 117.1545198383959
Frequency (4/33) = 119.64131270907104
Frequency (5/33) = 122.18089175299986
Frequency (6/33) = 124.77437744150089
Frequency (7/33) = 127.42291402969627
Frequency (8/33) = 130.1276700613611
Frequency (9/33) = 132.8898388844892
Frequency (10/33) = 135.71063917780242

Frequency (11/33) = 138.59131548843604
Frequency (12/33) = 141.53313878103748
Frequency (13/33) = 144.53740699852037
Frequency (14/33) = 147.6054456347215
Frequency (15/33) = 150.7386083192136
Frequency (16/33) = 153.93827741453143
Frequency (17/33) = 157.20586462607497
Frequency (18/33) = 160.54281162495909
Frequency (19/33) = 163.95059068408375
Frequency (20/33) = 167.43070532770616
Frequency (21/33) = 170.98469099480113
Frequency (22/33) = 174.61411571650194
Frequency (23/33) = 178.32058080792154
Frequency (24/33) = 182.10572157465836
Frequency (25/33) = 185.97120803429894
Frequency (26/33) = 189.91874565323567
Frequency (27/33) = 193.95007609912466
Frequency (28/33) = 198.06697800931568
Frequency (29/33) = 202.2712677755933
Frequency (30/33) = 206.56480034557538
Frequency (31/33) = 210.9494700411227
Frequency (32/33) = 215.4272113941203
Frequency (33/33) = 220

Number of semi-tones = 34

Frequency (0/34) = 110
Frequency (1/34) = 112.26555005375454
Frequency (2/34) = 114.57776117156422
Frequency (3/34) = 116.93759438048524
Frequency (4/34) = 119.34603050080008
Frequency (5/34) = 121.80407055367716
Frequency (6/34) = 124.31273617722628
Frequency (7/34) = 126.87307005112345
Frequency (8/34) = 129.48613632998095
Frequency (9/34) = 132.15302108564327
Frequency (10/34) = 134.8748327585924
Frequency (11/34) = 137.65270261865024
Frequency (12/34) = 140.48778523516967
Frequency (13/34) = 143.3812589569096
Frequency (14/34) = 146.33432640179342
Frequency (15/34) = 149.34821495675448
Frequency (16/34) = 152.42417728787646
Frequency (17/34) = 155.56349186104046
Frequency (18/34) = 158.7674634732952
Frequency (19/34) = 162.03742379517152
Frequency (20/34) = 165.37473192416604
Frequency (21/34) = 168.78077494962454
Frequency (22/34) = 172.25696852925958
Frequency (23/34) = 175.8047574775419
Frequency (24/34) = 179.42561636621053
Frequency (25/34) = 183.1210501371506
Frequency (26/34) = 186.8925947278943
Frequency (27/34) = 190.74181771000434
Frequency (28/34) = 194.6703189406056
Frequency (29/34) = 198.6797312273356
Frequency (30/34) = 202.7717210069904
Frequency (31/34) = 206.94798903814754
Frequency (32/34) = 211.2102711080545
Frequency (33/34) = 215.56033875407599
Frequency (34/34) = 220

Number of semi-tones = 35
Frequency (0/35) = 110
Frequency (1/35) = 112.2001770363319
Frequency (2/35) = 114.444361154402
Frequency (3/35) = 116.733432566671
Frequency (4/35) = 119.06828909126543
Frequency (5/35) = 121.44984650411935
Frequency (6/35) = 123.87903889815934
Frequency (7/35) = 126.35681904967386
Frequency (8/35) = 128.88415879201054
Frequency (9/35) = 131.46204939674814
Frequency (10/35) = 134.0915019624923
Frequency (11/35) = 136.77354781144803
Frequency (12/35) = 139.5092388939243
Frequency (13/35) = 142.29964820092934
Frequency (14/35) = 145.14587018501837
Frequency (15/35) = 148.04902118955917
Frequency (16/35) = 151.01023988658355
Frequency (17/35) = 154.0306877233966
Frequency (18/35) = 157.11154937811867
Frequency (19/35) = 160.25403322433922
Frequency (20/35) = 163.45937180506434
Frequency (21/35) = 166.72882231614378
Frequency (22/35) = 170.06366709936782
Frequency (23/35) = 173.4652141454262
Frequency (24/35) = 176.93479760692767
Frequency (25/35) = 180.47377832168036
Frequency (26/35) = 184.08354434643866
Frequency (27/35) = 187.7655115013261
Frequency (28/35) = 191.52112392514732
Frequency (29/35) = 195.3518546418072
Frequency (30/35) = 199.25920613805945
Frequency (31/35) = 203.24471095281112
Frequency (32/35) = 207.30993227821375
Frequency (33/35) = 211.45646457277783
Frequency (34/35) = 215.68593418675016
Frequency (35/35) = 220

Number of semi-tones = 36
Frequency (0/36) = 110
Frequency (1/36) = 112.13847080723593
Frequency (2/36) = 114.31851486350277
Frequency (3/36) = 116.54094037952248
Frequency (4/36) = 118.80657127815367
Frequency (5/36) = 121.11624749984574
Frequency (6/36) = 123.47082531403103
Frequency (7/36) = 125.87117763657086
Frequency (8/36) = 128.31819435337283
Frequency (9/36) = 130.8127826502993
Frequency (10/36) = 133.3558673494899
Frequency (11/36) = 135.94839125222182
Frequency (12/36) = 138.59131548843604
Frequency (13/36) = 141.28561987305827
Frequency (14/36) = 144.03230326924708
Frequency (15/36) = 146.8323839587038
Frequency (16/36) = 149.68690001918145
Frequency (17/36) = 152.59690970933295
Frequency (18/36) = 155.56349186104046
Frequency (19/36) = 158.58774627937245

Frequency (20/36) = 161.67079415031588
Frequency (21/36) = 164.81377845643496
Frequency (22/36) = 168.01786440061076
Frequency (23/36) = 171.2842398380183
Frequency (24/36) = 174.61411571650194
Frequency (25/36) = 178.00872652551155
Frequency (26/36) = 181.46933075376654
Frequency (27/36) = 184.9972113558172
Frequency (28/36) = 188.593676227676
Frequency (29/36) = 192.26005869169592
Frequency (30/36) = 195.99771799087463
Frequency (31/36) = 199.8080397927687
Frequency (32/36) = 203.69243670320387
Frequency (33/36) = 207.65234878997256
Frequency (34/36) = 211.68924411671193
Frequency (35/36) = 215.80461928716127
Frequency (36/36) = 220

Number of semi-tones = 37

Frequency (0/37) = 110
Frequency (1/37) = 112.08013128457758
Frequency (2/37) = 114.19959844334679
Frequency (3/37) = 116.3591453288759
Frequency (4/37) = 118.55952986019685
Frequency (5/37) = 120.80152428880596
Frequency (6/37) = 123.0859154696951
Frequency (7/37) = 125.41350513750768
Frequency (8/37) = 127.78511018791731
Frequency (9/37) = 130.20156296432714
Frequency (10/37) = 132.66371154999072
Frequency (11/37) = 135.1724200656572
Frequency (12/37) = 137.7285689728448
Frequency (13/37) = 140.33305538284947
Frequency (14/37) = 142.98679337159697
Frequency (15/37) = 145.6907143004487
Frequency (16/37) = 148.4457671430743
Frequency (17/37) = 151.25291881850544
Frequency (18/37) = 154.11315453048766
Frequency (19/37) = 157.02747811324954
Frequency (20/37) = 159.99691238381038
Frequency (21/37) = 163.0224995009502
Frequency (22/37) = 166.10530133096802
Frequency (23/37) = 169.2463998203565
Frequency (24/37) = 172.44689737552423
Frequency (25/37) = 175.70791724969845
Frequency (26/37) = 179.03060393714452
Frequency (27/37) = 182.41612357483973
Frequency (28/37) = 185.8656643517433
Frequency (29/37) = 189.38043692580564
Frequency (30/37) = 192.96167484886328
Frequency (31/37) = 196.6106349995688
Frequency (32/37) = 200.32859802450758
Frequency (33/37) = 204.11686878765616
Frequency (34/37) = 207.97677682833998
Frequency (35/37) = 211.90967682785123
Frequency (36/37) = 215.9169490848907
Frequency (37/37) = 220

Number of semi-tones = 38

Frequency (0/38) = 110

Frequency (1/38) = 112.02489026015122
Frequency (2/38) = 114.0870548890811
Frequency (3/38) = 116.18718003684693
Frequency (4/38) = 118.32596448422007
Frequency (5/38) = 120.50411987519368
Frequency (6/38) = 122.7223709537698
Frequency (7/38) = 124.98145580510574
Frequency (8/38) = 127.28212610109918
Frequency (9/38) = 129.62514735049422
Frequency (10/38) = 132.01129915359135
Frequency (11/38) = 134.44137546164603
Frequency (12/38) = 136.91618484104256
Frequency (13/38) = 139.43655074233067
Frequency (14/38) = 142.00331177421455
Frequency (15/38) = 144.61732198258565
Frequency (16/38) = 147.27945113469195
Frequency (17/38) = 149.9905850085379
Frequency (18/38) = 152.75162568761218
Frequency (19/38) = 155.56349186104046
Frequency (20/38) = 158.42711912926347
Frequency (21/38) = 161.34346031534224
Frequency (22/38) = 164.31348578199342
Frequency (23/38) = 167.3381837544612
Frequency (24/38) = 170.4185606493321
Frequency (25/38) = 173.55564140940325
Frequency (26/38) = 176.75046984471413
Frequency (27/38) = 180.00410897985697
Frequency (28/38) = 183.3176414076798
Frequency (29/38) = 186.69216964950076
Frequency (30/38) = 190.12881652195324
Frequency (31/38) = 193.62872551058393
Frequency (32/38) = 197.19306115032828
Frequency (33/38) = 200.82300941298922
Frequency (34/38) = 204.5197781018494
Frequency (35/38) = 208.28459725354688
Frequency (36/38) = 212.11871954734892
Frequency (37/38) = 216.02342072195958
Frequency (38/38) = 220

Number of semi-tones = 39

Frequency (0/39) = 110
Frequency (1/39) = 111.97250727711297
Frequency (2/39) = 113.9803853265738
Frequency (3/39) = 116.02426841298113
Frequency (4/39) = 118.10480217449307
Frequency (5/39) = 120.2226438267765
Frequency (6/39) = 122.37846237061355
Frequency (7/39) = 124.57293880323112
Frequency (8/39) = 126.8067663334195
Frequency (9/39) = 129.0806506005089
Frequency (10/39) = 131.39530989727237
Frequency (11/39) = 133.75147539682584
Frequency (12/39) = 136.1498913835971
Frequency (13/39) = 138.59131548843604
Frequency (14/39) = 141.0765189279415
Frequency (15/39) = 143.60628674807904
Frequency (16/39) = 146.18141807216776
Frequency (17/39) = 148.80272635331363
Frequency (18/39) = 151.47103963136965
Frequency (19/39) = 154.18720079450367

Frequency (20/39) = 156.95206784545672
Frequency (21/39) = 159.76651417257577
Frequency (22/39) = 162.63142882570645
Frequency (23/39) = 165.54771679703362
Frequency (24/39) = 168.51629930695714
Frequency (25/39) = 171.53811409509458
Frequency (26/39) = 174.61411571650194
Frequency (27/39) = 177.745275843206
Frequency (28/39) = 180.93258357114397
Frequency (29/39) = 184.17704573260698
Frequency (30/39) = 187.4796872142864
Frequency (31/39) = 190.84155128102316
Frequency (32/39) = 194.26369990536267
Frequency (33/39) = 197.74721410301922
Frequency (34/39) = 201.29319427435578
Frequency (35/39) = 204.90276055198743
Frequency (36/39) = 208.57705315461774
Frequency (37/39) = 212.3172327472201
Frequency (38/39) = 216.1244808076781
Frequency (39/39) = 220

Number of semi-tones = 40

Frequency (0/40) = 110
Frequency (1/40) = 111.92276613129549
Frequency (2/40) = 113.87914162255153
Frequency (3/40) = 115.86971395503194
Frequency (4/40) = 117.89508087899225
Frequency (5/40) = 119.95585059317834
Frequency (6/40) = 122.05264192746296
Frequency (7/40) = 124.18608452867443
Frequency (8/40) = 126.35681904967386
Frequency (9/40) = 128.565497341737
Frequency (10/40) = 130.8127826502993
Frequency (11/40) = 133.09934981412218
Frequency (12/40) = 135.4258854679408
Frequency (13/40) = 137.79308824865407
Frequency (14/40) = 140.20166900511884
Frequency (15/40) = 142.65235101161107
Frequency (16/40) = 145.14587018501837
Frequency (17/40) = 147.682975305829
Frequency (18/40) = 150.2644282429835
Frequency (19/40) = 152.89100418265707
Frequency (20/40) = 155.56349186104046
Frequency (21/40) = 158.28269380119022
Frequency (22/40) = 161.0494265540188
Frequency (23/40) = 163.86452094349727
Frequency (24/40) = 166.72882231614378
Frequency (25/40) = 169.64319079487348
Frequency (26/40) = 172.60850153728518
Frequency (27/40) = 175.625644998463
Frequency (28/40) = 178.6955271983718
Frequency (29/40) = 181.81906999392658
Frequency (30/40) = 184.9972113558172
Frequency (31/40) = 188.2309056501725
Frequency (32/40) = 191.52112392514732
Frequency (33/40) = 194.86885420251932
Frequency (34/40) = 198.27510177438265
Frequency (35/40) = 201.74088950502767
Frequency (36/40) = 205.26725813809762
Frequency (37/40) = 208.85526660911424

Frequency (38/40) = 212.50599236346602
Frequency (39/40) = 216.22053167995523
Frequency (40/40) = 220

Number of semi-tones = 41

Frequency (0/41) = 110
Frequency (1/41) = 111.87547188879896
Frequency (2/41) = 113.78292009401312
Frequency (3/41) = 115.72288980366565
Frequency (4/41) = 117.69593550109616
Frequency (5/41) = 119.70262112344344
Frequency (6/41) = 121.74352022283041
Frequency (7/41) = 123.81921613029719
Frequency (8/41) = 125.93030212252896
Frequency (9/41) = 128.07738159142679
Frequency (10/41) = 130.26106821656947
Frequency (11/41) = 132.48198614061582
Frequency (12/41) = 134.74077014769742
Frequency (13/41) = 137.03806584485312
Frequency (14/41) = 139.37452984655678
Frequency (15/41) = 141.75082996239124
Frequency (16/41) = 144.167645387922
Frequency (17/41) = 146.62566689882544
Frequency (18/41) = 149.1255970483268
Frequency (19/41) = 151.66815036800404
Frequency (20/41) = 154.25405357201606
Frequency (21/41) = 156.88404576481247
Frequency (22/41) = 159.55887865238478
Frequency (23/41) = 162.2793167571196
Frequency (24/41) = 165.04613763631485
Frequency (25/41) = 167.86013210442167
Frequency (26/41) = 170.72210445907547
Frequency (27/41) = 173.63287271098088
Frequency (28/41) = 176.5932688177159
Frequency (29/41) = 179.60413892152263
Frequency (30/41) = 182.66634359115224
Frequency (31/41) = 185.78075806783312
Frequency (32/41) = 188.94827251543293
Frequency (33/41) = 192.16979227488582
Frequency (34/41) = 195.44623812295748
Frequency (35/41) = 198.77854653542212
Frequency (36/41) = 202.16766995472665
Frequency (37/41) = 205.61457706221822
Frequency (38/41) = 209.12025305501348
Frequency (39/41) = 212.68569992758802
Frequency (40/41) = 216.3119367581673
Frequency (41/41) = 220

Number of semi-tones = 42

Frequency (0/42) = 110
Frequency (1/42) = 111.8304483331129
Frequency (2/42) = 113.69135613077304
Frequency (3/42) = 115.58323025185413
Frequency (4/42) = 117.50658598958424
Frequency (5/42) = 119.46194721189717
Frequency (6/42) = 121.44984650411935
Frequency (7/42) = 123.47082531403103
Frequency (8/42) = 125.52543409934142
Frequency (9/42) = 127.6142324776179
Frequency (10/42) = 129.73778937871006

Frequency (11/42) = 131.8966831997102
Frequency (12/42) = 134.0915019624923
Frequency (13/42) = 136.32284347387275
Frequency (14/42) = 138.59131548843604
Frequency (15/42) = 140.89753587406997
Frequency (16/42) = 143.2421327802555
Frequency (17/42) = 145.62574480915694
Frequency (18/42) = 148.04902118955917
Frequency (19/42) = 150.5126219536994
Frequency (20/42) = 153.01721811704124
Frequency (21/42) = 155.56349186104046
Frequency (22/42) = 158.15213671895194
Frequency (23/42) = 160.7838577647288
Frequency (24/42) = 163.45937180506434
Frequency (25/42) = 166.17940757463037
Frequency (26/42) = 168.94470593456373
Frequency (27/42) = 171.75602007425624
Frequency (28/42) = 174.61411571650194
Frequency (29/42) = 177.5197713260588
Frequency (30/42) = 180.47377832168036
Frequency (31/42) = 183.47694129167587
Frequency (32/42) = 186.53007821305772
Frequency (33/42) = 189.6340206743351
Frequency (34/42) = 192.7896141020154
Frequency (35/42) = 195.99771799087463
Frequency (36/42) = 199.25920613805945
Frequency (37/42) = 202.57496688108503
Frequency (38/42) = 205.9459033397931
Frequency (39/42) = 209.3729336623363
Frequency (40/42) = 212.85699127525615
Frequency (41/42) = 216.3990251377218
Frequency (42/42) = 220

Number of semi-tones = 43

Frequency (0/43) = 110
Frequency (1/43) = 111.78753577129072
Frequency (2/43) = 113.60411958016
Frequency (3/43) = 115.45022346666475
Frequency (4/43) = 117.3263271416663
Frequency (5/43) = 119.23291811148341
Frequency (6/43) = 121.17049180457118
Frequency (7/43) = 123.13955170025808
Frequency (8/43) = 125.14060945957544
Frequency (9/43) = 127.17418505821283
Frequency (10/43) = 129.24080692163375
Frequency (11/43) = 131.34101206238734
Frequency (12/43) = 133.47534621965136
Frequency (13/43) = 135.64436400104262
Frequency (14/43) = 137.8486290267321
Frequency (15/43) = 140.0887140759018
Frequency (16/43) = 142.3652012355817
Frequency (17/43) = 144.67868205190535
Frequency (18/43) = 147.02975768382333
Frequency (19/43) = 149.41903905931457
Frequency (20/43) = 151.8471470341365
Frequency (21/43) = 154.31471255315427
Frequency (22/43) = 156.82237681429254
Frequency (23/43) = 159.37079143515052
Frequency (24/43) = 161.96061862232543
Frequency (25/43) = 164.59253134348708

Frequency (26/43) = 167.26721350224864
Frequency (27/43) = 169.98536011587944
Frequency (28/43) = 172.74767749590552
Frequency (29/43) = 175.5548834316448
Frequency (30/43) = 178.40770737672514
Frequency (31/43) = 181.30689063863295
Frequency (32/43) = 184.2531865713425
Frequency (33/43) = 187.247360771075
Frequency (34/43) = 190.2901912752393
Frequency (35/43) = 193.38246876460514
Frequency (36/43) = 196.52499676876184
Frequency (37/43) = 199.71859187491597
Frequency (38/43) = 202.96408394008162
Frequency (39/43) = 206.2623163067193
Frequency (40/43) = 209.61414602187875
Frequency (41/43) = 213.02044405990299
Frequency (42/43) = 216.48209554875123
Frequency (43/43) = 220

Number of semi-tones = 44

Frequency (0/44) = 110
Frequency (1/44) = 111.74658914161066
Frequency (2/44) = 113.52091077076305
Frequency (3/44) = 115.32340522619913
Frequency (4/44) = 117.1545198383959
Frequency (5/44) = 119.01470904058093
Frequency (6/44) = 120.90443448151026
Frequency (7/44) = 122.82416514003741
Frequency (8/44) = 124.77437744150089
Frequency (9/44) = 126.75555537596047
Frequency (10/44) = 128.7681906183103
Frequency (11/44) = 130.8127826502993
Frequency (12/44) = 132.8898388844892
Frequency (13/44) = 134.99987479018046
Frequency (14/44) = 137.143414021338
Frequency (15/44) = 139.32098854654782
Frequency (16/44) = 141.53313878103748
Frequency (17/44) = 143.78041372079235
Frequency (18/44) = 146.06337107880168
Frequency (19/44) = 148.38257742346786
Frequency (20/44) = 150.7386083192136
Frequency (21/44) = 153.13204846932123
Frequency (22/44) = 155.56349186104046
Frequency (23/44) = 158.03354191299982
Frequency (24/44) = 160.54281162495909
Frequency (25/44) = 163.09192372993905
Frequency (26/44) = 165.6815108487673
Frequency (27/44) = 168.31221564707735
Frequency (28/44) = 170.98469099480113
Frequency (29/44) = 173.6996001281936
Frequency (30/44) = 176.4576168144301
Frequency (31/44) = 179.25942551881718
Frequency (32/44) = 182.10572157465836
Frequency (33/44) = 184.9972113558172
Frequency (34/44) = 187.9346124520201
Frequency (35/44) = 190.9186538469429
Frequency (36/44) = 193.95007609912466
Frequency (37/44) = 197.02963152575458
Frequency (38/44) = 200.15808438937668
Frequency (39/44) = 203.3362110875592

Frequency (40/44) = 206.56480034557538
Frequency (41/44) = 209.84465341214405
Frequency (42/44) = 213.17658425827776
Frequency (43/44) = 216.56141977928826
Frequency (44/44) = 220

Number of semi-tones = 45

Frequency (0/45) = 110
Frequency (1/45) = 111.70747637547025
Frequency (2/45) = 113.44145707432949
Frequency (3/45) = 115.20235351026894
Frequency (4/45) = 116.99058348315398
Frequency (5/45) = 118.80657127815367
Frequency (6/45) = 120.65074776640884
Frequency (7/45) = 122.52355050726307
Frequency (8/45) = 124.42542385208023
Frequency (9/45) = 126.35681904967386
Frequency (10/45) = 128.31819435337283
Frequency (11/45) = 130.31001512974905
Frequency (12/45) = 132.33275396903284
Frequency (13/45) = 134.3868907972423
Frequency (14/45) = 136.47291299005312
Frequency (15/45) = 138.59131548843604
Frequency (16/45) = 140.7426009160892
Frequency (17/45) = 142.9272796986934
Frequency (18/45) = 145.14587018501837
Frequency (19/45) = 147.39889876990918
Frequency (20/45) = 149.68690001918145
Frequency (21/45) = 152.01041679645536
Frequency (22/45) = 154.3700003919584
Frequency (23/45) = 156.7662106533275
Frequency (24/45) = 159.1996161184416
Frequency (25/45) = 161.67079415031588
Frequency (26/45) = 164.1803310740902
Frequency (27/45) = 166.72882231614378
Frequency (28/45) = 169.31687254536916
Frequency (29/45) = 171.9450958166394
Frequency (30/45) = 174.61411571650194
Frequency (31/45) = 177.32456551113427
Frequency (32/45) = 180.07708829659597
Frequency (33/45) = 182.87233715141332
Frequency (34/45) = 185.71097529153212
Frequency (35/45) = 188.593676227676
Frequency (36/45) = 191.52112392514732
Frequency (37/45) = 194.4940129661082
Frequency (38/45) = 197.51304871438123
Frequency (39/45) = 200.5789474828077
Frequency (40/45) = 203.69243670320387
Frequency (41/45) = 206.8542550989556
Frequency (42/45) = 210.06515286029165
Frequency (43/45) = 213.32589182227795
Frequency (44/45) = 216.63724564557486
Frequency (45/45) = 220

Number of semi-tones = 46

Frequency (0/46) = 110
Frequency (1/46) = 111.67007697453833
Frequency (2/46) = 113.36550992272103
Frequency (3/46) = 115.08668381207312
Frequency (4/46) = 116.83398945489601

Frequency (5/46) = 118.60782359700576
Frequency (6/46) = 120.40858900781906
Frequency (7/46) = 122.2366945718064
Frequency (8/46) = 124.09255538133408
Frequency (9/46) = 125.97659283091579
Frequency (10/46) = 127.88923471289489
Frequency (11/46) = 129.83091531457976
Frequency (12/46) = 131.8020755168535
Frequency (13/46) = 133.8031628942813
Frequency (14/46) = 135.8346318167371
Frequency (15/46) = 137.89694355257367
Frequency (16/46) = 139.9905663733588
Frequency (17/46) = 142.11597566020177
Frequency (18/46) = 144.27365401169402
Frequency (19/46) = 146.46409135348893
Frequency (20/46) = 148.68778504954471
Frequency (21/46) = 150.94524001505698
Frequency (22/46) = 153.23696883110523
Frequency (23/46) = 155.56349186104046
Frequency (24/46) = 157.92533736863956
Frequency (25/46) = 160.32304163805375
Frequency (26/46) = 162.75714909557794
Frequency (27/46) = 165.2282124332691
Frequency (28/46) = 167.73679273444117
Frequency (29/46) = 170.2834596010657
Frequency (30/46) = 172.8687912831063
Frequency (31/46) = 175.49337480981708
Frequency (32/46) = 178.1578061230343
Frequency (33/46) = 180.86269021249197
Frequency (34/46) = 183.60864125319142
Frequency (35/46) = 186.3962827448571
Frequency (36/46) = 189.22624765350906
Frequency (37/46) = 192.09917855518555
Frequency (38/46) = 195.01572778184683
Frequency (39/46) = 197.97655756949496
Frequency (40/46) = 200.98234020854198
Frequency (41/46) = 204.03375819646118
Frequency (42/46) = 207.131504392756
Frequency (43/46) = 210.27628217628168
Frequency (44/46) = 213.4688056049556
Frequency (45/46) = 216.70979957789226
Frequency (46/46) = 220

Number of semi-tones = 47

Frequency (0/47) = 110
Frequency (1/47) = 111.63428077087222
Frequency (2/47) = 113.2928422111812
Frequency (3/47) = 114.97604506121024
Frequency (4/47) = 116.68425542079638
Frequency (5/47) = 118.41784482895775
Frequency (6/47) = 120.1771903447041
Frequency (7/47) = 121.96267462904774
Frequency (8/47) = 123.7746860282332
Frequency (9/47) = 125.61361865820311
Frequency (10/47) = 127.47987249031927
Frequency (11/47) = 129.3738534383572
Frequency (12/47) = 131.2959734467931
Frequency (13/47) = 133.24665058040262
Frequency (14/47) = 135.22630911519062
Frequency (15/47) = 137.23537963067227

Frequency (16/47) = 139.2742991035246
Frequency (17/47) = 141.34351100263004
Frequency (18/47) = 143.44346538553154
Frequency (19/47) = 145.5746189963211
Frequency (20/47) = 147.73743536498236
Frequency (21/47) = 149.93238490820937
Frequency (22/47) = 152.15994503172297
Frequency (23/47) = 154.42060023410772
Frequency (24/47) = 156.7148422121909
Frequency (25/47) = 159.0431699679878
Frequency (26/47) = 161.4060899172355
Frequency (27/47) = 163.80411599953925
Frequency (28/47) = 166.23776979015534
Frequency (29/47) = 168.70758061343474
Frequency (30/47) = 171.21408565795215
Frequency (31/47) = 173.75783009334543
Frequency (32/47) = 176.33936718889123
Frequency (33/47) = 178.959258433842
Frequency (34/47) = 181.6180736595509
Frequency (35/47) = 184.31639116341145
Frequency (36/47) = 187.05479783463807
Frequency (37/47) = 189.83388928191573
Frequency (38/47) = 192.6542699629459
Frequency (39/47) = 195.51655331591743
Frequency (40/47) = 198.42136189293038
Frequency (41/47) = 201.36932749540213
Frequency (42/47) = 204.36109131148584
Frequency (43/47) = 207.39730405552973
Frequency (44/47) = 210.47862610960874
Frequency (45/47) = 213.6057276671591
Frequency (46/47) = 216.77928887874646
Frequency (47/47) = 220

Number of semi-tones = 48

Frequency (0/48) = 110
Frequency (1/48) = 111.59998684312761
Frequency (2/48) = 113.22324603078413
Frequency (3/48) = 114.87011606701552
Frequency (4/48) = 116.54094037952248
Frequency (5/48) = 118.2360673912766
Frequency (6/48) = 119.95585059317834
Frequency (7/48) = 121.70064861777168
Frequency (8/48) = 123.47082531403103
Frequency (9/48) = 125.26674982323607
Frequency (10/48) = 127.08879665595002
Frequency (11/48) = 128.93734577011767
Frequency (12/48) = 130.8127826502993
Frequency (13/48) = 132.7154983880574
Frequency (14/48) = 134.6458897635121
Frequency (15/48) = 136.60435932808323
Frequency (16/48) = 138.59131548843604
Frequency (17/48) = 140.60717259164736
Frequency (18/48) = 142.65235101161107
Frequency (19/48) = 144.72727723670013
Frequency (20/48) = 146.8323839587038
Frequency (21/48) = 148.96811016305818
Frequency (22/48) = 151.1349012203898
Frequency (23/48) = 153.33320897938992
Frequency (24/48) = 155.56349186104046
Frequency (25/48) = 157.82621495421003

Frequency (26/48) = 160.1218501126406
Frequency (27/48) = 162.45087605334493
Frequency (28/48) = 164.81377845643496
Frequency (29/48) = 167.21105006640263
Frequency (30/48) = 169.64319079487348
Frequency (31/48) = 172.11070782485515
Frequency (32/48) = 174.61411571650194
Frequency (33/48) = 177.15393651441798
Frequency (34/48) = 179.730699856521
Frequency (35/48) = 182.3449430844896
Frequency (36/48) = 184.9972113558172
Frequency (37/48) = 187.68805775749541
Frequency (38/48) = 190.41804342135146
Frequency (39/48) = 193.18773764106294
Frequency (40/48) = 195.99771799087463
Frequency (41/48) = 198.8485704460422
Frequency (42/48) = 201.74088950502767
Frequency (43/48) = 204.67527831347226
Frequency (44/48) = 207.65234878997256
Frequency (45/48) = 210.6727217536862
Frequency (46/48) = 213.7370270537933
Frequency (47/48) = 216.84590370084126
Frequency (48/48) = 220

Number of semi-tones = 49

Frequency (0/49) = 110
Frequency (1/49) = 111.567102566406
Frequency (2/49) = 113.15653068239051
Frequency (3/49) = 114.7686024063721
Frequency (4/49) = 116.40364032795257
Frequency (5/49) = 118.06197163247018
Frequency (6/49) = 119.74392816647195
Frequency (7/49) = 121.44984650411935
Frequency (8/49) = 123.18006801453954
Frequency (9/49) = 124.93493893013637
Frequency (10/49) = 126.71481041587448
Frequency (11/49) = 128.52003863955053
Frequency (12/49) = 130.35098484306542
Frequency (13/49) = 132.20801541471195
Frequency (14/49) = 134.0915019624923
Frequency (15/49) = 136.00182138848007
Frequency (16/49) = 137.9393559642417
Frequency (17/49) = 139.90449340733218
Frequency (18/49) = 141.89762695888092
Frequency (19/49) = 143.9191554622826
Frequency (20/49) = 145.9694834430092
Frequency (21/49) = 148.04902118955917
Frequency (22/49) = 150.15818483555967
Frequency (23/49) = 152.2973964430385
Frequency (24/49) = 154.4670840868825
Frequency (25/49) = 156.66768194049888
Frequency (26/49) = 158.8996303626974
Frequency (27/49) = 161.1633759858096
Frequency (28/49) = 163.45937180506434
Frequency (29/49) = 165.7880772692355
Frequency (30/49) = 168.14995837258218
Frequency (31/49) = 170.54548774809797
Frequency (32/49) = 172.97514476208892
Frequency (33/49) = 175.4394156100991
Frequency (34/49) = 177.9387934142023

Frequency (35/49) = 180.47377832168036
Frequency (36/49) = 183.04487760510665
Frequency (37/49) = 185.65260576385603
Frequency (38/49) = 188.29748462706058
Frequency (39/49) = 190.98004345803204
Frequency (40/49) = 193.70081906017214
Frequency (41/49) = 196.4603558843916
Frequency (42/49) = 199.25920613805945
Frequency (43/49) = 202.0979298955047
Frequency (44/49) = 204.97709521009182
Frequency (45/49) = 207.89727822789348
Frequency (46/49) = 210.85906330298215
Frequency (47/49) = 213.8630431143646
Frequency (48/49) = 216.909818784582
Frequency (49/49) = 220

Number of semi-tones = 50

Frequency (0/50) = 110
Frequency (1/50) = 111.5355427769032
Frequency (2/50) = 113.09252093216732
Frequency (3/50) = 114.67123369252336
Frequency (4/50) = 116.27198446175183
Frequency (5/50) = 117.89508087899225
Frequency (6/50) = 119.54083487786637
Frequency (7/50) = 121.20956274642717
Frequency (8/50) = 122.9015851879442
Frequency (9/50) = 124.61722738253783
Frequency (10/50) = 126.35681904967386
Frequency (11/50) = 128.12069451153013
Frequency (12/50) = 129.90919275724832
Frequency (13/50) = 131.72265750808214
Frequency (14/50) = 133.56143728345518
Frequency (15/50) = 135.4258854679408
Frequency (16/50) = 137.3163603791773
Frequency (17/50) = 139.23322533673078
Frequency (18/50) = 141.17684873191948
Frequency (19/50) = 143.1476040986127
Frequency (20/50) = 145.14587018501837
Frequency (21/50) = 147.17203102647233
Frequency (22/50) = 149.2264760192439
Frequency (23/50) = 151.30959999537183
Frequency (24/50) = 153.4218032985446
Frequency (25/50) = 155.56349186104046
Frequency (26/50) = 157.735077281741
Frequency (27/50) = 159.93697690523416
Frequency (28/50) = 162.16961390202113
Frequency (29/50) = 164.4334173498432
Frequency (30/50) = 166.72882231614378
Frequency (31/50) = 169.05626994168136
Frequency (32/50) = 171.41620752530997
Frequency (33/50) = 173.809088609943
Frequency (34/50) = 176.23537306971687
Frequency (35/50) = 178.6955271983718
Frequency (36/50) = 181.1900237988661
Frequency (37/50) = 183.71934227424126
Frequency (38/50) = 186.28396871975596
Frequency (39/50) = 188.88439601630583
Frequency (40/50) = 191.52112392514732
Frequency (41/50) = 194.19465918394405
Frequency (42/50) = 196.90551560415395

Frequency (43/50) = 199.6542141697754
Frequency (44/50) = 202.4412831374725
Frequency (45/50) = 205.26725813809762
Frequency (46/50) = 208.1326822796311
Frequency (47/50) = 211.03810625155816
Frequency (48/50) = 213.98408843070283
Frequency (49/50) = 216.97119498853903
Frequency (50/50) = 220

Number of semi-tones = 51

Frequency (0/51) = 110
Frequency (1/51) = 111.50522903549542
Frequency (2/51) = 113.03105547507535
Frequency (3/51) = 114.57776117156422
Frequency (4/51) = 116.14563183463238
Frequency (5/51) = 117.73495708357281
Frequency (6/51) = 119.34603050080008
Frequency (7/51) = 120.97914968608121
Frequency (8/51) = 122.63461631150881
Frequency (9/51) = 124.31273617722628
Frequency (10/51) = 126.01381926791575
Frequency (11/51) = 127.73817981005882
Frequency (12/51) = 129.48613632998095
Frequency (13/51) = 131.25801171269006
Frequency (14/51) = 133.05413326152043
Frequency (15/51) = 134.8748327585924
Frequency (16/51) = 136.72044652609983
Frequency (17/51) = 138.59131548843604
Frequency (18/51) = 140.48778523516967
Frequency (19/51) = 142.4102060848826
Frequency (20/51) = 144.35893314988124
Frequency (21/51) = 146.33432640179342
Frequency (22/51) = 148.3367507380629
Frequency (23/51) = 150.3665760493536
Frequency (24/51) = 152.42417728787646
Frequency (25/51) = 154.50993453665112
Frequency (26/51) = 156.62423307971534
Frequency (27/51) = 158.7674634732952
Frequency (28/51) = 160.9400216179494
Frequency (29/51) = 163.14230883170026
Frequency (30/51) = 165.37473192416604
Frequency (31/51) = 167.63770327170718
Frequency (32/51) = 169.93164089360116
Frequency (33/51) = 172.25696852925958
Frequency (34/51) = 174.61411571650194
Frequency (35/51) = 177.00351787090045
Frequency (36/51) = 179.42561636621053
Frequency (37/51) = 181.88085861590216
Frequency (38/51) = 184.36969815580662
Frequency (39/51) = 186.8925947278943
Frequency (40/51) = 189.45001436519888
Frequency (41/51) = 192.04242947790362
Frequency (42/51) = 194.6703189406056
Frequency (43/51) = 197.33416818077424
Frequency (44/51) = 200.03446926842003
Frequency (45/51) = 202.7717210069904
Frequency (46/51) = 205.54642902550947
Frequency (47/51) = 208.35910587197847
Frequency (48/51) = 211.2102711080545
Frequency (49/51) = 214.1004514050245

Frequency (50/51) = 217.03018064109284
Frequency (51/51) = 220

Number of semi-tones = 52

Frequency (0/52) = 110
Frequency (1/52) = 111.47608897685704
Frequency (2/52) = 112.97198557796497
Frequency (3/52) = 114.48795560164938
Frequency (4/52) = 116.02426841298113
Frequency (5/52) = 117.58119699163845
Frequency (6/52) = 119.15901798041129
Frequency (7/52) = 120.7580117343567
Frequency (8/52) = 122.37846237061355
Frequency (9/52) = 124.02065781888608
Frequency (10/52) = 125.6848898726044
Frequency (11/52) = 127.37145424077205
Frequency (12/52) = 129.0806506005089
Frequency (13/52) = 130.8127826502993
Frequency (14/52) = 132.5681581639548
Frequency (15/52) = 134.34708904530075
Frequency (16/52) = 136.1498913835971
Frequency (17/52) = 137.97688550970264
Frequency (18/52) = 139.82839605299296
Frequency (19/52) = 141.70475199904226
Frequency (20/52) = 143.60628674807904
Frequency (21/52) = 145.5333381742264
Frequency (22/52) = 147.48624868553716
Frequency (23/52) = 149.46536528483458
Frequency (24/52) = 151.47103963136965
Frequency (25/52) = 153.50362810330546
Frequency (26/52) = 155.56349186104046
Frequency (27/52) = 157.6509969113811
Frequency (28/52) = 159.76651417257577
Frequency (29/52) = 161.9104195402213
Frequency (30/52) = 164.0830939540542
Frequency (31/52) = 166.28492346563763
Frequency (32/52) = 168.51629930695714
Frequency (33/52) = 170.77761795993658
Frequency (34/52) = 173.06928122688717
Frequency (35/52) = 175.39169630190153
Frequency (36/52) = 177.745275843206
Frequency (37/52) = 180.1304380464839
Frequency (38/52) = 182.54760671918248
Frequency (39/52) = 184.9972113558172
Frequency (40/52) = 187.4796872142864
Frequency (41/52) = 189.99547539321014
Frequency (42/52) = 192.54502291030678
Frequency (43/52) = 195.12878278182123
Frequency (44/52) = 197.74721410301922
Frequency (45/52) = 200.40078212976152
Frequency (46/52) = 203.08995836117305
Frequency (47/52) = 205.81522062342108
Frequency (48/52) = 208.57705315461774
Frequency (49/52) = 211.37594669086184
Frequency (50/52) = 214.21239855343552
Frequency (51/52) = 217.08691273717034
Frequency (52/52) = 220

Number of semi-tones = 53

Frequency (0/53) = 110

Frequency (1/53) = 111.44805573274063
Frequency (2/53) = 112.91517387825508
Frequency (3/53) = 114.40160537687156
Frequency (4/53) = 115.90760447233252
Frequency (5/53) = 117.43342875528155
Frequency (6/53) = 118.97933920732221
Frequency (7/53) = 120.54560024565725
Frequency (8/53) = 122.13247976831528
Frequency (9/53) = 123.7402491999729
Frequency (10/53) = 125.36918353837991
Frequency (11/53) = 127.01956140139593
Frequency (12/53) = 128.69166507464584
Frequency (13/53) = 130.3857805598029
Frequency (14/53) = 132.1021976235073
Frequency (15/53) = 133.84120984692868
Frequency (16/53) = 135.6031146759813
Frequency (17/53) = 137.3882134721998
Frequency (18/53) = 139.19681156428535
Frequency (19/53) = 141.02921830032972
Frequency (20/53) = 142.88574710072717
Frequency (21/53) = 144.76671551178296
Frequency (22/53) = 146.6724452600272
Frequency (23/53) = 148.60326230724417
Frequency (24/53) = 150.55949690622566
Frequency (25/53) = 152.5414836572584
Frequency (26/53) = 154.54956156535522
Frequency (27/53) = 156.58407409823943
Frequency (28/53) = 158.6453692450925
Frequency (29/53) = 160.7337995760753
Frequency (30/53) = 162.84972230263273
Frequency (31/53) = 164.99349933859224
Frequency (32/53) = 167.16549736206665
Frequency (33/53) = 169.36608787817187
Frequency (34/53) = 171.59564728257038
Frequency (35/53) = 173.85455692585097
Frequency (36/53) = 176.14320317875607
Frequency (37/53) = 178.4619774982678
Frequency (38/53) = 180.8112764945641
Frequency (39/53) = 183.19150199885593
Frequency (40/53) = 185.60306113211786
Frequency (41/53) = 188.04636637472302
Frequency (42/53) = 190.5218356369954
Frequency (43/53) = 193.0298923306901
Frequency (44/53) = 195.5709654414152
Frequency (45/53) = 198.14548960200665
Frequency (46/53) = 200.7539051668692
Frequency (47/53) = 203.39665828729602
Frequency (48/53) = 206.0742009877797
Frequency (49/53) = 208.78699124332786
Frequency (50/53) = 211.53549305779663
Frequency (51/53) = 214.32017654325531
Frequency (52/53) = 217.14151800039568
Frequency (53/53) = 220

Number of semi-tones = 54

Frequency (0/54) = 110
Frequency (1/54) = 111.42106741974413
Frequency (2/54) = 112.86049331777426
Frequency (3/54) = 114.31851486350277
Frequency (4/54) = 115.79537229028513

Frequency (5/54) = 117.29130893500208
Frequency (6/54) = 118.80657127815367
Frequency (7/54) = 120.34140898447089
Frequency (8/54) = 121.8960749440521
Frequency (9/54) = 123.47082531403103
Frequency (10/54) = 125.06591956078273
Frequency (11/54) = 126.68162050267517
Frequency (12/54) = 128.31819435337283
Frequency (13/54) = 129.97591076569984
Frequency (14/54) = 131.6550428760699
Frequency (15/54) = 133.3558673494899
Frequency (16/54) = 135.07866442514518
Frequency (17/54) = 136.82371796257357
Frequency (18/54) = 138.59131548843604
Frequency (19/54) = 140.38174824389145
Frequency (20/54) = 142.19531123258344
Frequency (21/54) = 144.03230326924708
Frequency (22/54) = 145.89302702894372
Frequency (23/54) = 147.77778909693177
Frequency (24/54) = 149.68690001918145
Frequency (25/54) = 151.62067435354288
Frequency (26/54) = 153.57943072157428
Frequency (27/54) = 155.56349186104046
Frequency (28/54) = 157.57318467908914
Frequency (29/54) = 159.6088403061144
Frequency (30/54) = 161.67079415031588
Frequency (31/54) = 163.7593859529629
Frequency (32/54) = 165.87495984437254
Frequency (33/54) = 168.01786440061076
Frequency (34/54) = 170.18845270092615
Frequency (35/54) = 172.3870823859257
Frequency (36/54) = 174.61411571650194
Frequency (37/54) = 176.8699196335215
Frequency (38/54) = 179.15486581828478
Frequency (39/54) = 181.46933075376654
Frequency (40/54) = 183.81369578664788
Frequency (41/54) = 186.1883471901494
Frequency (42/54) = 188.593676227676
Frequency (43/54) = 191.0300792172844
Frequency (44/54) = 193.49795759698281
Frequency (45/54) = 195.99771799087463
Frequency (46/54) = 198.52977227615673
Frequency (47/54) = 201.0945376509828
Frequency (48/54) = 203.69243670320387
Frequency (49/54) = 206.3238974799968
Frequency (50/54) = 208.98935355839177
Frequency (51/54) = 211.68924411671193
Frequency (52/54) = 214.42401400693484
Frequency (53/54) = 217.1941138279895
Frequency (54/54) = 220

Number of semi-tones = 55

Frequency (0/55) = 110
Frequency (1/55) = 111.39506668330712
Frequency (2/55) = 112.80782619434946
Frequency (3/55) = 114.23850292107709
Frequency (4/55) = 115.68732409722327
Frequency (5/55) = 117.1545198383959
Frequency (6/55) = 118.64032317862672
Frequency (7/55) = 120.14497010738391

Frequency (8/55) = 121.66869960705431
Frequency (9/55) = 123.2117536909007
Frequency (10/55) = 124.77437744150089
Frequency (11/55) = 126.35681904967386
Frequency (12/55) = 127.9593298538999
Frequency (13/55) = 129.58216438024067
Frequency (14/55) = 131.22558038276523
Frequency (15/55) = 132.8898388844892
Frequency (16/55) = 134.57520421883288
Frequency (17/55) = 136.2819440716051
Frequency (18/55) = 138.01032952351983
Frequency (19/55) = 139.7606350932517
Frequency (20/55) = 141.53313878103748
Frequency (21/55) = 143.32812211283124
Frequency (22/55) = 145.14587018501837
Frequency (23/55) = 146.98667170969784
Frequency (24/55) = 148.85081906053784
Frequency (25/55) = 150.7386083192136
Frequency (26/55) = 152.65033932243378
Frequency (27/55) = 154.58631570956337
Frequency (28/55) = 156.5468449708507
Frequency (29/55) = 158.532238496266
Frequency (30/55) = 160.54281162495909
Frequency (31/55) = 162.5788836953448
Frequency (32/55) = 164.64077809582338
Frequency (33/55) = 166.72882231614378
Frequency (34/55) = 168.8433479994191
Frequency (35/55) = 170.98469099480113
Frequency (36/55) = 173.15319141082304
Frequency (37/55) = 175.34919366941887
Frequency (38/55) = 177.57304656062774
Frequency (39/55) = 179.82510329799206
Frequency (40/55) = 182.10572157465836
Frequency (41/55) = 184.41526362018936
Frequency (42/55) = 186.7540962580969
Frequency (43/55) = 189.12259096410418
Frequency (44/55) = 191.52112392514732
Frequency (45/55) = 193.95007609912466
Frequency (46/55) = 196.4098332754044
Frequency (47/55) = 198.90078613609916
Frequency (48/55) = 201.42333031811796
Frequency (49/55) = 203.977866476005
Frequency (50/55) = 206.56480034557538
Frequency (51/55) = 209.18454280835815
Frequency (52/55) = 211.83750995685605
Frequency (53/55) = 214.52412316063382
Frequency (54/55) = 217.2448091332436
Frequency (55/55) = 220

Number of semi-tones = 56

Frequency (0/56) = 110
Frequency (1/56) = 111.37000029086416
Frequency (2/56) = 112.7570633162462
Frequency (3/56) = 114.16140158479388
Frequency (4/56) = 115.58323025185413
Frequency (5/56) = 117.0227671524365
Frequency (6/56) = 118.48023283458708
Frequency (7/56) = 119.95585059317834
Frequency (8/56) = 121.44984650411935
Frequency (9/56) = 122.96244945899255

Frequency (10/56) = 124.49389120012155
Frequency (11/56) = 126.04440635607588
Frequency (12/56) = 127.6142324776179
Frequency (13/56) = 129.20361007409738
Frequency (14/56) = 130.8127826502993
Frequency (15/56) = 132.44199674375076
Frequency (16/56) = 134.0915019624923
Frequency (17/56) = 135.7615510233198
Frequency (18/56) = 137.45239979050268
Frequency (19/56) = 139.1643073149842
Frequency (20/56) = 140.89753587406997
Frequency (21/56) = 142.65235101161107
Frequency (22/56) = 144.42902157868707
Frequency (23/56) = 146.22781977479644
Frequency (24/56) = 148.04902118955917
Frequency (25/56) = 149.8929048449396
Frequency (26/56) = 151.75975323799454
Frequency (27/56) = 153.64985238415386
Frequency (28/56) = 155.56349186104046
Frequency (29/56) = 157.50096485283564
Frequency (30/56) = 159.46256819519718
Frequency (31/56) = 161.44860242073685
Frequency (32/56) = 163.45937180506434
Frequency (33/56) = 165.49518441340442
Frequency (34/56) = 167.55635214779517
Frequency (35/56) = 169.64319079487348
Frequency (36/56) = 171.75602007425624
Frequency (37/56) = 173.8951636875235
Frequency (38/56) = 176.06094936781238
Frequency (39/56) = 178.25370893002804
Frequency (40/56) = 180.47377832168036
Frequency (41/56) = 182.72149767435357
Frequency (42/56) = 184.9972113558172
Frequency (43/56) = 187.30126802278565
Frequency (44/56) = 189.6340206743351
Frequency (45/56) = 191.99582670598582
Frequency (46/56) = 194.38704796445768
Frequency (47/56) = 196.80805080310796
Frequency (48/56) = 199.25920613805945
Frequency (49/56) = 201.74088950502767
Frequency (50/56) = 204.25348111685568
Frequency (51/56) = 206.79736592176576
Frequency (52/56) = 209.3729336623363
Frequency (53/56) = 211.9805789352134
Frequency (54/56) = 214.6207012515661
Frequency (55/56) = 217.2937050982944
Frequency (56/56) = 220

Number of semi-tones = 57

Frequency (0/57) = 110
Frequency (1/57) = 111.34581876808218
Frequency (2/57) = 112.70810324667818
Frequency (3/57) = 114.0870548890811
Frequency (4/57) = 115.4828776133079
Frequency (5/57) = 116.89577783225452
Frequency (6/57) = 118.32596448422007
Frequency (7/57) = 119.7736490638045
Frequency (8/57) = 121.23904565318409
Frequency (9/57) = 122.7223709537698
Frequency (10/57) = 124.22384431825276

Frequency (11/57) = 125.74368778304205
Frequency (12/57) = 127.28212610109918
Frequency (13/57) = 128.83938677517426
Frequency (14/57) = 130.41570009144908
Frequency (15/57) = 132.01129915359135
Frequency (16/57) = 133.626419917226
Frequency (17/57) = 135.26130122482812
Frequency (18/57) = 136.91618484104256
Frequency (19/57) = 138.59131548843604
Frequency (20/57) = 140.28694088368636
Frequency (21/57) = 142.00331177421455
Frequency (22/57) = 143.7406819752651
Frequency (23/57) = 145.49930840744005
Frequency (24/57) = 147.27945113469195
Frequency (25/57) = 149.08137340278202
Frequency (26/57) = 150.90534167820866
Frequency (27/57) = 152.75162568761218
Frequency (28/57) = 154.62049845766174
Frequency (29/57) = 156.5122363554303
Frequency (30/57) = 158.42711912926347
Frequency (31/57) = 160.36542995014852
Frequency (32/57) = 162.3274554535892
Frequency (33/57) = 164.31348578199342
Frequency (34/57) = 166.32381462757897
Frequency (35/57) = 168.35873927580457
Frequency (36/57) = 170.4185606493321
Frequency (37/57) = 172.50358335252687
Frequency (38/57) = 174.61411571650194
Frequency (39/57) = 176.75046984471413
Frequency (40/57) = 178.91296165911737
Frequency (41/57) = 181.1019109468811
Frequency (42/57) = 183.3176414076798
Frequency (43/57) = 185.56048070156174
Frequency (44/57) = 187.83076049740274
Frequency (45/57) = 190.12881652195324
Frequency (46/57) = 192.454988609485
Frequency (47/57) = 194.8096207520458
Frequency (48/57) = 197.19306115032828
Frequency (49/57) = 199.6056622651618
Frequency (50/57) = 202.04778086963384
Frequency (51/57) = 204.5197781018494
Frequency (52/57) = 207.02201951833547
Frequency (53/57) = 209.55487514809957
Frequency (54/57) = 212.11871954734892
Frequency (55/57) = 214.71393185487966
Frequency (56/57) = 217.34089584814342
Frequency (57/57) = 220

Number of semi-tones = 58

Frequency (0/58) = 110
Frequency (1/58) = 111.32247607295155
Frequency (2/58) = 112.66085162738969
Frequency (3/58) = 114.01531781498576
Frequency (4/58) = 115.3860680855338
Frequency (5/58) = 116.77329821457992
Frequency (6/58) = 118.17720633138372
Frequency (7/58) = 119.59799294721564
Frequency (8/58) = 121.03586098399492
Frequency (9/58) = 122.49101580327148
Frequency (10/58) = 123.96366523555653

Frequency (11/58) = 125.45401961000557
Frequency (12/58) = 126.96229178445854
Frequency (13/58) = 128.4886971758407
Frequency (14/58) = 130.03345379092949
Frequency (15/58) = 131.59678225749087
Frequency (16/58) = 133.1789058557904
Frequency (17/58) = 134.78005055048266
Frequency (18/58) = 136.40044502288455
Frequency (19/58) = 138.04032070363644
Frequency (20/58) = 139.69991180575568
Frequency (21/58) = 141.37945535808797
Frequency (22/58) = 143.07919123916062
Frequency (23/58) = 144.79936221144288
Frequency (24/58) = 146.54021395601808
Frequency (25/58) = 148.30199510767292
Frequency (26/58) = 150.08495729040817
Frequency (27/58) = 151.8893551533765
Frequency (28/58) = 153.71544640725267
Frequency (29/58) = 155.56349186104046
Frequency (30/58) = 157.43375545932244
Frequency (31/58) = 159.3265043199575
Frequency (32/58) = 161.2420087722316
Frequency (33/58) = 163.18054239546726
Frequency (34/58) = 165.14238205809687
Frequency (35/58) = 167.12780795720644
Frequency (36/58) = 169.13710365855414
Frequency (37/58) = 171.17055613707015
Frequency (38/58) = 173.22845581784364
Frequency (39/58) = 175.31109661760217
Frequency (40/58) = 177.41877598669012
Frequency (41/58) = 179.55179495155144
Frequency (42/58) = 181.71045815772354
Frequency (43/58) = 183.89507391334763
Frequency (44/58) = 186.10595423320268
Frequency (45/58) = 188.34341488326837
Frequency (46/58) = 190.6077754258239
Frequency (47/58) = 192.8993592650891
Frequency (48/58) = 195.21849369341422
Frequency (49/58) = 197.56550993802495
Frequency (50/58) = 199.94074320832954
Frequency (51/58) = 202.34453274379467
Frequency (52/58) = 204.77722186239674
Frequency (53/58) = 207.2391580096559
Frequency (54/58) = 209.73069280825948
Frequency (55/58) = 212.25218210828194
Frequency (56/58) = 214.80398603800882
Frequency (57/58) = 217.38646905537138
Frequency (58/58) = 220

Number of semi-tones = 59

Frequency (0/59) = 110
Frequency (1/59) = 111.29992930321333
Frequency (2/59) = 112.61522057182076
Frequency (3/59) = 113.94605534644931
Frequency (4/59) = 115.29261731308947
Frequency (5/59) = 116.65509232844805
Frequency (6/59) = 118.03366844560082
Frequency (7/59) = 119.4285359399481
Frequency (8/59) = 120.83988733547723
Frequency (9/59) = 122.26791743133525

Frequency (10/59) = 123.71282332871579
Frequency (11/59) = 125.17480445806352
Frequency (12/59) = 126.65406260660019
Frequency (13/59) = 128.15080194617596
Frequency (14/59) = 129.66522906144976
Frequency (15/59) = 131.1975529784029
Frequency (16/59) = 132.74798519318938
Frequency (17/59) = 134.31673970132715
Frequency (18/59) = 135.90403302723468
Frequency (19/59) = 137.51008425411626
Frequency (20/59) = 139.1351150542004
Frequency (21/59) = 140.77934971933598
Frequency (22/59) = 142.44301519194946
Frequency (23/59) = 144.1263410963683
Frequency (24/59) = 145.82955977051455
Frequency (25/59) = 147.55290629797264
Frequency (26/59) = 149.2966185404365
Frequency (27/59) = 151.06093717053992
Frequency (28/59) = 152.8461057050749
Frequency (29/59) = 154.6523705386028
Frequency (30/59) = 156.4799809774622
Frequency (31/59) = 158.32918927417916
Frequency (32/59) = 160.20025066228385
Frequency (33/59) = 162.09342339153855
Frequency (34/59) = 164.00896876358243
Frequency (35/59) = 165.94715116799676
Frequency (36/59) = 167.90823811879721
Frequency (37/59) = 169.89250029135673
Frequency (38/59) = 171.900211559765
Frequency (39/59) = 173.93164903462963
Frequency (40/59) = 175.98709310132352
Frequency (41/59) = 178.06682745868483
Frequency (42/59) = 180.17113915817365
Frequency (43/59) = 182.30031864349218
Frequency (44/59) = 184.4546597906722
Frequency (45/59) = 186.63445994863704
Frequency (46/59) = 188.84001998024277
Frequency (47/59) = 191.0716443038037
Frequency (48/59) = 193.32964093510978
Frequency (49/59) = 195.61432152993942
Frequency (50/59) = 197.9260014270754
Frequency (51/59) = 200.26499969182902
Frequency (52/59) = 202.63163916007824
Frequency (53/59) = 205.02624648282674
Frequency (54/59) = 207.44915217128914
Frequency (55/59) = 209.9006906425093
Frequency (56/59) = 212.38120026551758
Frequency (57/59) = 214.8910234080336
Frequency (58/59) = 217.4305064837209
Frequency (59/59) = 220

Number of semi-tones = 60

Frequency (0/60) = 110
Frequency (1/60) = 111.27813843321148
Frequency (2/60) = 112.57112811964525
Frequency (3/60) = 113.87914162255153
Frequency (4/60) = 115.20235351026894
Frequency (5/60) = 116.54094037952248
Frequency (6/60) = 117.89508087899225
Frequency (7/60) = 119.26495573315603

Frequency (8/60) = 120.65074776640884
Frequency (9/60) = 122.05264192746296
Frequency (10/60) = 123.47082531403103
Frequency (11/60) = 124.9054871977965
Frequency (12/60) = 126.35681904967386
Frequency (13/60) = 127.82501456536237
Frequency (14/60) = 129.31026969119696
Frequency (15/60) = 130.8127826502993
Frequency (16/60) = 132.33275396903284
Frequency (17/60) = 133.87038650376502
Frequency (18/60) = 135.4258854679408
Frequency (19/60) = 136.99945845947053
Frequency (20/60) = 138.59131548843604
Frequency (21/60) = 140.20166900511884
Frequency (22/60) = 141.8307339283537
Frequency (23/60) = 143.47872767421205
Frequency (24/60) = 145.14587018501837
Frequency (25/60) = 146.8323839587038
Frequency (26/60) = 148.53849407850092
Frequency (27/60) = 150.2644282429835
Frequency (28/60) = 152.01041679645536
Frequency (29/60) = 153.77669275969214
Frequency (30/60) = 155.56349186104046
Frequency (31/60) = 157.37105256787842
Frequency (32/60) = 159.1996161184416
Frequency (33/60) = 161.0494265540188
Frequency (34/60) = 162.92073075152206
Frequency (35/60) = 164.81377845643496
Frequency (36/60) = 166.72882231614378
Frequency (37/60) = 168.66611791365608
Frequency (38/60) = 170.6259238017108
Frequency (39/60) = 172.60850153728518
Frequency (40/60) = 174.61411571650194
Frequency (41/60) = 176.64303400994282
Frequency (42/60) = 178.6955271983718
Frequency (43/60) = 180.77186920887388
Frequency (44/60) = 182.87233715141332
Frequency (45/60) = 184.9972113558172
Frequency (46/60) = 187.14677540918825
Frequency (47/60) = 189.3213161937526
Frequency (48/60) = 191.52112392514732
Frequency (49/60) = 193.74649219115267
Frequency (50/60) = 195.99771799087463
Frequency (51/60) = 198.27510177438265
Frequency (52/60) = 200.5789474828077
Frequency (53/60) = 202.90956258890662
Frequency (54/60) = 205.26725813809762
Frequency (55/60) = 207.65234878997256
Frequency (56/60) = 210.06515286029165
Frequency (57/60) = 212.50599236346602
Frequency (58/60) = 214.9751930555341
Frequency (59/60) = 217.47308447763714
Frequency (60/60) = 220

Number of semi-tones = 61

Frequency (0/61) = 110
Frequency (1/61) = 111.25706607677425
Frequency (2/61) = 112.52849774556103
Frequency (3/61) = 113.81445917452754
Frequency (4/61) = 115.11511640793397

Frequency (5/61) = 116.43063738757336
Frequency (6/61) = 117.76119197445631
Frequency (7/61) = 119.1069519707435
Frequency (8/61) = 120.46809114192897
Frequency (9/61) = 121.84478523927686
Frequency (10/61) = 123.23721202251448
Frequency (11/61) = 124.64555128278485
Frequency (12/61) = 126.06998486586136
Frequency (13/61) = 127.5106966956279
Frequency (14/61) = 128.96787279782723
Frequency (15/61) = 130.44170132408073
Frequency (16/61) = 131.93237257618276
Frequency (17/61) = 133.4400790306724
Frequency (18/61) = 134.96501536368638
Frequency (19/61) = 136.50737847609554
Frequency (20/61) = 138.06736751892902
Frequency (21/61) = 139.64518391908874
Frequency (22/61) = 141.24103140535775
Frequency (23/61) = 142.85511603470576
Frequency (24/61) = 144.48764621889558
Frequency (25/61) = 146.13883275139315
Frequency (26/61) = 147.80888883458556
Frequency (27/61) = 149.4980301073097
Frequency (28/61) = 151.20647467269583
Frequency (29/61) = 152.93444312632923
Frequency (30/61) = 154.68215858473351
Frequency (31/61) = 156.44984671417973
Frequency (32/61) = 158.23773575982455
Frequency (33/61) = 160.04605657518132
Frequency (34/61) = 161.87504265192817
Frequency (35/61) = 163.7249301500566
Frequency (36/61) = 165.5959579283645
Frequency (37/61) = 167.488367575298
Frequency (38/61) = 169.40240344014532
Frequency (39/61) = 171.33831266458748
Frequency (40/61) = 173.29634521460923
Frequency (41/61) = 175.2767539127751
Frequency (42/61) = 177.27979447087384
Frequency (43/61) = 179.3057255229361
Frequency (44/61) = 181.35480865862957
Frequency (45/61) = 183.42730845703545
Frequency (46/61) = 185.52349252081135
Frequency (47/61) = 187.64363151074403
Frequency (48/61) = 189.78799918069754
Frequency (49/61) = 191.95687241296042
Frequency (50/61) = 194.15053125399695
Frequency (51/61) = 196.36925895060693
Frequency (52/61) = 198.61334198649882
Frequency (53/61) = 200.88307011928057
Frequency (54/61) = 203.1787364178734
Frequency (55/61) = 205.50063730035316
Frequency (56/61) = 207.84907257222375
Frequency (57/61) = 210.22434546512858
Frequency (58/61) = 212.62676267600392
Frequency (59/61) = 215.05663440667968
Frequency (60/61) = 217.51427440393317
Frequency (61/61) = 220

Number of semi-tones = 62
Frequency (0/62) = 110

Frequency (1/62) = 111.23667727316987
Frequency (2/62) = 112.48725791613951
Frequency (3/62) = 113.75189823783124
Frequency (4/62) = 115.03075630447358
Frequency (5/62) = 116.32399195935801
Frequency (6/62) = 117.6317668428174
Frequency (7/62) = 118.95424441242949
Frequency (8/62) = 120.29158996344718
Frequency (9/62) = 121.64397064945867
Frequency (10/62) = 123.01155550327987
Frequency (11/62) = 124.39451545808151
Frequency (12/62) = 125.79302336875413
Frequency (13/62) = 127.2072540335129
Frequency (14/62) = 128.63738421574556
Frequency (15/62) = 130.08359266610586
Frequency (16/62) = 131.54606014485552
Frequency (17/62) = 133.02496944445718
Frequency (18/62) = 134.5205054124215
Frequency (19/62) = 136.0328549744112
Frequency (20/62) = 137.56220715760455
Frequency (21/62) = 139.10875311432181
Frequency (22/62) = 140.67268614591708
Frequency (23/62) = 142.25420172693904
Frequency (24/62) = 143.85349752956293
Frequency (25/62) = 145.47077344829756
Frequency (26/62) = 147.10623162496987
Frequency (27/62) = 148.76007647399044
Frequency (28/62) = 150.43251470790315
Frequency (29/62) = 152.12375536322185
Frequency (30/62) = 153.83400982655778
Frequency (31/62) = 155.56349186104046
Frequency (32/62) = 157.31241763303586
Frequency (33/62) = 159.08100573916482
Frequency (34/62) = 160.8694772336251
Frequency (35/62) = 162.67805565582094
Frequency (36/62) = 164.50696705830293
Frequency (37/62) = 166.3564400350221
Frequency (38/62) = 168.22670574990175
Frequency (39/62) = 170.1179979657303
Frequency (40/62) = 172.03055307337917
Frequency (41/62) = 173.9646101213491
Frequency (42/62) = 175.92041084564846
Frequency (43/62) = 177.89819970000778
Frequency (44/62) = 179.89822388643356
Frequency (45/62) = 181.9207333861061
Frequency (46/62) = 183.96598099062422
Frequency (47/62) = 186.03422233360155
Frequency (48/62) = 188.12571592261787
Frequency (49/62) = 190.24072317152982
Frequency (50/62) = 192.37950843314468
Frequency (51/62) = 194.54233903226162
Frequency (52/62) = 196.72948529908442
Frequency (53/62) = 198.94122060300973
Frequency (54/62) = 201.17782138679533
Frequency (55/62) = 203.4395672011124
Frequency (56/62) = 205.72674073948633
Frequency (57/62) = 208.03962787363028
Frequency (58/62) = 210.37851768917608
Frequency (59/62) = 212.74370252180674
Frequency (60/62) = 215.1354779937952

Frequency (61/62) = 217.554143050954
Frequency (62/62) = 220

Number of semi-tones = 63

Frequency (0/63) = 110
Frequency (1/63) = 111.21693929355851
Frequency (2/63) = 112.4473416893371
Frequency (3/63) = 113.69135613077304
Frequency (4/63) = 114.94913320907753
Frequency (5/63) = 116.22082518146497
Frequency (6/63) = 117.50658598958424
Frequency (7/63) = 118.80657127815367
Frequency (8/63) = 120.12093841380228
Frequency (9/63) = 121.44984650411935
Frequency (10/63) = 122.79345641691494
Frequency (11/63) = 124.1519307996932
Frequency (12/63) = 125.52543409934142
Frequency (13/63) = 126.91413258203669
Frequency (14/63) = 128.31819435337283
Frequency (15/63) = 129.73778937871006
Frequency (16/63) = 131.17308950374982
Frequency (17/63) = 132.62426847533692
Frequency (18/63) = 134.0915019624923
Frequency (19/63) = 135.57496757767808
Frequency (20/63) = 137.07484489829807
Frequency (21/63) = 138.59131548843604
Frequency (22/63) = 140.12456292083462
Frequency (23/63) = 141.67477279911714
Frequency (24/63) = 143.2421327802555
Frequency (25/63) = 144.8268325972866
Frequency (26/63) = 146.42906408227987
Frequency (27/63) = 148.04902118955917
Frequency (28/63) = 149.68690001918145
Frequency (29/63) = 151.34289884067516
Frequency (30/63) = 153.01721811704124
Frequency (31/63) = 154.7100605290198
Frequency (32/63) = 156.42163099962508
Frequency (33/63) = 158.15213671895194
Frequency (34/63) = 159.90178716925678
Frequency (35/63) = 161.67079415031588
Frequency (36/63) = 163.45937180506434
Frequency (37/63) = 165.26773664551862
Frequency (38/63) = 167.09610757898602
Frequency (39/63) = 168.94470593456373
Frequency (40/63) = 170.81375548993154
Frequency (41/63) = 172.7034824984406
Frequency (42/63) = 174.61411571650194
Frequency (43/63) = 176.54588643127815
Frequency (44/63) = 178.4990284886813
Frequency (45/63) = 180.47377832168036
Frequency (46/63) = 182.47037497892237
Frequency (47/63) = 184.4890601536697
Frequency (48/63) = 186.53007821305772
Frequency (49/63) = 188.593676227676
Frequency (50/63) = 190.68010400147702
Frequency (51/63) = 192.7896141020154
Frequency (52/63) = 194.922461891022
Frequency (53/63) = 197.07890555531608
Frequency (54/63) = 199.25920613805945
Frequency (55/63) = 201.46362757035658

Frequency (56/63) = 203.69243670320387
Frequency (57/63) = 205.9459033397931
Frequency (58/63) = 208.22430026817125
Frequency (59/63) = 210.52790329426276
Frequency (60/63) = 212.85699127525615
Frequency (61/63) = 215.2118461533607
Frequency (62/63) = 217.59275298993612
Frequency (63/63) = 220

Number of semi-tones = 64

Frequency (0/64) = 110
Frequency (1/64) = 111.19782146568706
Frequency (2/64) = 112.40868635195282
Frequency (3/64) = 113.63273669233513
Frequency (4/64) = 114.87011606701552
Frequency (5/64) = 116.12096961966128
Frequency (6/64) = 117.3854440744506
Frequency (7/64) = 118.66368775328318
Frequency (8/64) = 119.95585059317834
Frequency (9/64) = 121.2620841638625
Frequency (10/64) = 122.58254168554816
Frequency (11/64) = 123.9173780469066
Frequency (12/64) = 125.26674982323607
Frequency (13/64) = 126.6308152948281
Frequency (14/64) = 128.0097344655335
Frequency (15/64) = 129.40366908153092
Frequency (16/64) = 130.8127826502993
Frequency (17/64) = 132.23724045979733
Frequency (18/64) = 133.67720959785157
Frequency (19/64) = 135.1328589717557
Frequency (20/64) = 136.60435932808323
Frequency (21/64) = 138.09188327271602
Frequency (22/64) = 139.59560529109066
Frequency (23/64) = 141.11570176866562
Frequency (24/64) = 142.65235101161107
Frequency (25/64) = 144.2057332677241
Frequency (26/64) = 145.77603074757155
Frequency (27/64) = 147.3634276458633
Frequency (28/64) = 148.96811016305818
Frequency (29/64) = 150.59026652720496
Frequency (30/64) = 152.2300870160215
Frequency (31/64) = 153.88776397921424
Frequency (32/64) = 155.56349186104046
Frequency (33/64) = 157.2574672231167
Frequency (34/64) = 158.96988876747514
Frequency (35/64) = 160.70095735987118
Frequency (36/64) = 162.45087605334493
Frequency (37/64) = 164.21985011203913
Frequency (38/64) = 166.0080870352765
Frequency (39/64) = 167.81579658189924
Frequency (40/64) = 169.64319079487348
Frequency (41/64) = 171.49048402616205
Frequency (42/64) = 173.35789296186752
Frequency (43/64) = 175.24563664764938
Frequency (44/64) = 177.15393651441798
Frequency (45/64) = 179.08301640430827
Frequency (46/64) = 181.03310259693615
Frequency (47/64) = 183.004423835941
Frequency (48/64) = 184.9972113558172
Frequency (49/64) = 187.0116989090376

Frequency (50/64) = 189.04812279347257
Frequency (51/64) = 191.10672188010767
Frequency (52/64) = 193.18773764106294
Frequency (53/64) = 195.29141417791732
Frequency (54/64) = 197.41799825034178
Frequency (55/64) = 199.5677393050439
Frequency (56/64) = 201.74088950502767
Frequency (57/64) = 203.9377037591724
Frequency (58/64) = 206.158439752133
Frequency (59/64) = 208.4033579745662
Frequency (60/64) = 210.6727217536862
Frequency (61/64) = 212.9667972841524
Frequency (62/64) = 215.28585365929402
Frequency (63/64) = 217.6301629026746
Frequency (64/64) = 220

Number of semi-tones = 65

Frequency (0/65) = 110
Frequency (1/65) = 111.17929501485136
Frequency (2/65) = 112.37123309090322
Frequency (3/65) = 113.57594977269233
Frequency (4/65) = 114.79358205791002
Frequency (5/65) = 116.02426841298113
Frequency (6/65) = 117.26814878881028
Frequency (7/65) = 118.52536463669655
Frequency (8/65) = 119.79605892441926
Frequency (9/65) = 121.0803761524957
Frequency (10/65) = 122.37846237061355
Frequency (11/65) = 123.69046519423937
Frequency (12/65) = 125.01653382140493
Frequency (13/65) = 126.35681904967386
Frequency (14/65) = 127.71147329328981
Frequency (15/65) = 129.0806506005089
Frequency (16/65) = 130.46450667111756
Frequency (17/65) = 131.8631988741384
Frequency (18/65) = 133.27688626572586
Frequency (19/65) = 134.70572960725391
Frequency (20/65) = 136.1498913835971
Frequency (21/65) = 137.60953582160826
Frequency (22/65) = 139.084828908794
Frequency (23/65) = 140.57593841219034
Frequency (24/65) = 142.08303389744077
Frequency (25/65) = 143.60628674807904
Frequency (26/65) = 145.14587018501837
Frequency (27/65) = 146.70195928624977
Frequency (28/65) = 148.2747310067516
Frequency (29/65) = 149.86436419861244
Frequency (30/65) = 151.47103963136965
Frequency (31/65) = 153.09494001256624
Frequency (32/65) = 154.73625000852795
Frequency (33/65) = 156.39515626536294
Frequency (34/65) = 158.071847430187
Frequency (35/65) = 159.76651417257577
Frequency (36/65) = 161.47934920624755
Frequency (37/65) = 163.2105473109782
Frequency (38/65) = 164.96030535475091
Frequency (39/65) = 166.72882231614378
Frequency (40/65) = 168.51629930695714
Frequency (41/65) = 170.32293959508343
Frequency (42/65) = 172.14894862762264

Frequency (43/65) = 173.99453405424498
Frequency (44/65) = 175.8599057508046
Frequency (45/65) = 177.745275843206
Frequency (46/65) = 179.65085873152668
Frequency (47/65) = 181.576871111439807
Frequency (48/65) = 183.52353201364826
Frequency (49/65) = 185.49106279920835
Frequency (50/65) = 187.4796872142864
Frequency (51/65) = 189.48963140081094
Frequency (52/65) = 191.52112392514732
Frequency (53/65) = 193.57439580408965
Frequency (54/65) = 195.6496805311317
Frequency (55/65) = 197.74721410301922
Frequency (56/65) = 199.8672350465868
Frequency (57/65) = 202.00998444588285
Frequency (58/65) = 204.17570596958498
Frequency (59/65) = 206.3646458987094
Frequency (60/65) = 208.57705315461774
Frequency (61/65) = 210.81317932732344
Frequency (62/65) = 213.07327870410234
Frequency (63/65) = 215.35760829840945
Frequency (64/65) = 217.66642787910607
Frequency (65/65) = 220

Number of semi-tones = 66

Frequency (0/66) = 110
Frequency (1/66) = 111.16133291939201
Frequency (2/66) = 112.33492669469005
Frequency (3/66) = 113.52091077076305
Frequency (4/66) = 114.7194159591035
Frequency (5/66) = 115.93057445225563
Frequency (6/66) = 117.1545198383959
Frequency (7/66) = 118.39138711606765
Frequency (8/66) = 119.64131270907104
Frequency (9/66) = 120.90443448151026
Frequency (10/66) = 122.18089175299986
Frequency (11/66) = 123.47082531403103
Frequency (12/66) = 124.77437744150089
Frequency (13/66) = 126.09169191440505
Frequency (14/66) = 127.42291402969627
Frequency (15/66) = 128.7681906183103
Frequency (16/66) = 130.1276700613611
Frequency (17/66) = 131.50150230650692
Frequency (18/66) = 132.8898388844892
Frequency (19/66) = 134.2928329258461
Frequency (20/66) = 135.71063917780242
Frequency (21/66) = 137.143414021338
Frequency (22/66) = 138.59131548843604
Frequency (23/66) = 140.0545032795139
Frequency (24/66) = 141.53313878103748
Frequency (25/66) = 143.027385083322
Frequency (26/66) = 144.53740699852037
Frequency (27/66) = 146.06337107880168
Frequency (28/66) = 147.6054456347215
Frequency (29/66) = 149.1638007537863
Frequency (30/66) = 150.7386083192136
Frequency (31/66) = 152.33004202889035
Frequency (32/66) = 153.93827741453143
Frequency (33/66) = 155.56349186104046
Frequency (34/66) = 157.20586462607497

Frequency (35/66) = 158.8655768598181
Frequency (36/66) = 160.54281162495909
Frequency (37/66) = 162.23775391688466
Frequency (38/66) = 163.95059068408375
Frequency (39/66) = 165.6815108487673
Frequency (40/66) = 167.43070532770616
Frequency (41/66) = 169.1983670532888
Frequency (42/66) = 170.98469099480113
Frequency (43/66) = 172.78987417993142
Frequency (44/66) = 174.61411571650194
Frequency (45/66) = 176.4576168144301
Frequency (46/66) = 178.32058080792154
Frequency (47/66) = 180.2032131778974
Frequency (48/66) = 182.10572157465836
Frequency (49/66) = 184.02831584078825
Frequency (50/66) = 185.97120803429894
Frequency (51/66) = 187.9346124520201
Frequency (52/66) = 189.91874565323567
Frequency (53/66) = 191.92382648356968
Frequency (54/66) = 193.95007609912466
Frequency (55/66) = 195.99771799087463
Frequency (56/66) = 198.06697800931568
Frequency (57/66) = 200.15808438937668
Frequency (58/66) = 202.2712677755933
Frequency (59/66) = 204.4067612475474
Frequency (60/66) = 206.56480034557538
Frequency (61/66) = 208.7456230967477
Frequency (62/66) = 210.9494700411227
Frequency (63/66) = 213.17658425827776
Frequency (64/66) = 215.4272113941203
Frequency (65/66) = 217.70159968798225
Frequency (66/66) = 220

Number of semi-tones = 67

Frequency (0/67) = 110
Frequency (1/67) = 111.143909779197
Frequency (2/67) = 112.29971528187528
Frequency (3/67) = 113.46754021380232
Frequency (4/67) = 114.6475095671841
Frequency (5/67) = 115.83974963404303
Frequency (6/67) = 117.04438801973498
Frequency (7/67) = 118.26155365660681
Frequency (8/67) = 119.49137681779611
Frequency (9/67) = 120.7339891311742
Frequency (10/67) = 121.98952359343431
Frequency (11/67) = 123.25811458432625
Frequency (12/67) = 124.53989788103891
Frequency (13/67) = 125.83501067273268
Frequency (14/67) = 127.14359157522267
Frequency (15/67) = 128.4657806458147
Frequency (16/67) = 129.80171939829583
Frequency (17/67) = 131.15155081808032
Frequency (18/67) = 132.51541937751352
Frequency (19/67) = 133.8934710513347
Frequency (20/67) = 135.28585333230063
Frequency (21/67) = 136.69271524697177
Frequency (22/67) = 138.1142073716627
Frequency (23/67) = 139.55048184855804
Frequency (24/67) = 141.00169240199637
Frequency (25/67) = 142.46799435492338

Frequency (26/67) = 143.9495446455159
Frequency (27/67) = 145.44650184397918
Frequency (28/67) = 146.95902616951844
Frequency (29/67) = 148.48727950748736
Frequency (30/67) = 150.03142542671435
Frequency (31/67) = 151.5916291970097
Frequency (32/67) = 153.16805780685388
Frequency (33/67) = 154.76087998127088
Frequency (34/67) = 156.3702661998864
Frequency (35/67) = 157.99638871517448
Frequency (36/67) = 159.63942157089355
Frequency (37/67) = 161.29954062071442
Frequency (38/67) = 162.97692354704185
Frequency (39/67) = 164.67174988003185
Frequency (40/67) = 166.38420101680686
Frequency (41/67) = 168.11446024087053
Frequency (42/67) = 169.86271274172466
Frequency (43/67) = 171.62914563469002
Frequency (44/67) = 173.41394798093316
Frequency (45/67) = 175.2173108077018
Frequency (46/67) = 177.0394271287702
Frequency (47/67) = 178.8804919650978
Frequency (48/67) = 180.74070236570182
Frequency (49/67) = 182.62025742874783
Frequency (50/67) = 184.5193583228589
Frequency (51/67) = 186.4382083086468
Frequency (52/67) = 188.37701276046707
Frequency (53/67) = 190.33597918839993
Frequency (54/67) = 192.31531726046032
Frequency (55/67) = 194.31523882503862
Frequency (56/67) = 196.33595793357463
Frequency (57/67) = 198.3776908634676
Frequency (58/67) = 200.4406561412243
Frequency (59/67) = 202.52507456584803
Frequency (60/67) = 204.6311692324705
Frequency (61/67) = 206.75916555622993
Frequency (62/67) = 208.90929129639704
Frequency (63/67) = 211.08177658075215
Frequency (64/67) = 213.27685393021574
Frequency (65/67) = 215.49475828373522
Frequency (66/67) = 217.7357270234303
Frequency (67/67) = 220

Number of semi-tones = 68

Frequency (0/68) = 110
Frequency (1/68) = 111.12700169586597
Frequency (2/68) = 112.26555005375454
Frequency (3/68) = 113.41576337464461
Frequency (4/68) = 114.57776117156422
Frequency (5/68) = 115.75166418200857
Frequency (6/68) = 116.93759438048524
Frequency (7/68) = 118.1356749911879
Frequency (8/68) = 119.34603050080008
Frequency (9/68) = 120.56878667142983
Frequency (10/68) = 121.80407055367716
Frequency (11/68) = 123.05201049983509
Frequency (12/68) = 124.31273617722628
Frequency (13/68) = 125.58637858167604
Frequency (14/68) = 126.87307005112345
Frequency (15/68) = 128.17294427937196

Frequency (16/68) = 129.48613632998095
Frequency (17/68) = 130.8127826502993
Frequency (18/68) = 132.15302108564327
Frequency (19/68) = 133.50699089361902
Frequency (20/68) = 134.8748327585924
Frequency (21/68) = 136.25668880630667
Frequency (22/68) = 137.65270261865024
Frequency (23/68) = 139.06301924857524
Frequency (24/68) = 140.48778523516967
Frequency (25/68) = 141.92714861888322
Frequency (26/68) = 143.3812589569096
Frequency (27/68) = 144.8502673387263
Frequency (28/68) = 146.33432640179342
Frequency (29/68) = 147.83359034741366
Frequency (30/68) = 149.34821495675448
Frequency (31/68) = 150.87835760703464
Frequency (32/68) = 152.42417728787646
Frequency (33/68) = 153.98583461782567
Frequency (34/68) = 155.56349186104046
Frequency (35/68) = 157.15731294415158
Frequency (36/68) = 158.7674634732952
Frequency (37/68) = 160.39411075132014
Frequency (38/68) = 162.03742379517152
Frequency (39/68) = 163.69757335345253
Frequency (40/68) = 165.37473192416604
Frequency (41/68) = 167.06907377263798
Frequency (42/68) = 168.78077494962454
Frequency (43/68) = 170.51001330960455
Frequency (44/68) = 172.25696852925958
Frequency (45/68) = 174.02182212614326
Frequency (46/68) = 175.8047574775419
Frequency (47/68) = 177.60595983952825
Frequency (48/68) = 179.42561636621053
Frequency (49/68) = 181.26391612917885
Frequency (50/68) = 183.1210501371506
Frequency (51/68) = 184.9972113558172
Frequency (52/68) = 186.8925947278943
Frequency (53/68) = 188.80739719337728
Frequency (54/68) = 190.74181771000434
Frequency (55/68) = 192.6960572739292
Frequency (56/68) = 194.6703189406056
Frequency (57/68) = 196.6648078458859
Frequency (58/68) = 198.6797312273356
Frequency (59/68) = 200.71529844576654
Frequency (60/68) = 202.7717210069904
Frequency (61/68) = 204.8492125837953
Frequency (62/68) = 206.94798903814754
Frequency (63/68) = 209.0682684436207
Frequency (64/68) = 211.2102711080545
Frequency (65/68) = 213.37421959644624
Frequency (66/68) = 215.56033875407599
Frequency (67/68) = 217.76885572986953
Frequency (68/68) = 220

Number of semi-tones = 69

Frequency (0/69) = 110
Frequency (1/69) = 111.11058616334691
Frequency (2/69) = 112.23238506875033
Frequency (3/69) = 113.36550992272103
Frequency (4/69) = 114.51007507472957

Frequency (5/69) = 115.66619602874603
Frequency (6/69) = 116.83398945489601
Frequency (7/69) = 118.01357320123442
Frequency (8/69) = 119.20506630563823
Frequency (9/69) = 120.40858900781906
Frequency (10/69) = 121.62426276145732
Frequency (11/69) = 122.85221024645863
Frequency (12/69) = 124.09255538133408
Frequency (13/69) = 125.34542333570563
Frequency (14/69) = 126.6109405429374
Frequency (15/69) = 127.88923471289489
Frequency (16/69) = 129.18043484483277
Frequency (17/69) = 130.48467124041284
Frequency (18/69) = 131.8020755168535
Frequency (19/69) = 133.13278062021186
Frequency (20/69) = 134.47692083880014
Frequency (21/69) = 135.8346318167371
Frequency (22/69) = 137.20605056763702
Frequency (23/69) = 138.59131548843604
Frequency (24/69) = 139.9905663733588
Frequency (25/69) = 141.4039444280256
Frequency (26/69) = 142.83159228370235
Frequency (27/69) = 144.27365401169402
Frequency (28/69) = 145.73027513788392
Frequency (29/69) = 147.2016026574191
Frequency (30/69) = 148.68778504954471
Frequency (31/69) = 150.18897229258766
Frequency (32/69) = 151.70531587909167
Frequency (33/69) = 153.23696883110523
Frequency (34/69) = 154.78408571562383
Frequency (35/69) = 156.34682266018814
Frequency (36/69) = 157.92533736863956
Frequency (37/69) = 159.51978913703505
Frequency (38/69) = 161.1303388697224
Frequency (39/69) = 162.75714909557794
Frequency (40/69) = 164.4003839844083
Frequency (41/69) = 166.06020936351743
Frequency (42/69) = 167.73679273444117
Frequency (43/69) = 169.4303032898508
Frequency (44/69) = 171.14091193062694
Frequency (45/69) = 172.8687912831063
Frequency (46/69) = 174.61411571650194
Frequency (47/69) = 176.37706136050016
Frequency (48/69) = 178.1578061230343
Frequency (49/69) = 179.95652970823872
Frequency (50/69) = 181.77341363458322
Frequency (51/69) = 183.60864125319142
Frequency (52/69) = 185.46239776634343
Frequency (53/69) = 187.33487024616562
Frequency (54/69) = 189.22624765350906
Frequency (55/69) = 191.13672085701856
Frequency (56/69) = 193.06648265239406
Frequency (57/69) = 195.01572778184683
Frequency (58/69) = 196.98465295375178
Frequency (59/69) = 198.9734568624984
Frequency (60/69) = 200.98234020854198
Frequency (61/69) = 203.01150571865733
Frequency (62/69) = 205.061158166397
Frequency (63/69) = 207.131504392756
Frequency (64/69) = 209.22275332704533

Frequency (65/69) = 211.33511600797587
Frequency (66/69) = 213.4688056049556
Frequency (67/69) = 215.62403743960155
Frequency (68/69) = 217.80102900746897
Frequency (69/69) = 220

Number of semi-tones = 70

Frequency (0/70) = 110
Frequency (1/70) = 111.09464196799281
Frequency (2/70) = 112.2001770363319
Frequency (3/70) = 113.31671360542457
Frequency (4/70) = 114.444361154402
Frequency (5/70) = 115.58323025185413
Frequency (6/70) = 116.733432566671
Frequency (7/70) = 117.89508087899225
Frequency (8/70) = 119.06828909126543
Frequency (9/70) = 120.25317223941452
Frequency (10/70) = 121.44984650411935
Frequency (11/70) = 122.65842922220749
Frequency (12/70) = 123.87903889815934
Frequency (13/70) = 125.11179521572787
Frequency (14/70) = 126.35681904967386
Frequency (15/70) = 127.6142324776179
Frequency (16/70) = 128.88415879201054
Frequency (17/70) = 130.16672251222133
Frequency (18/70) = 131.46204939674814
Frequency (19/70) = 132.77026645554838
Frequency (20/70) = 134.0915019624923
Frequency (21/70) = 135.4258854679408
Frequency (22/70) = 136.77354781144803
Frequency (23/70) = 138.1346211345906
Frequency (24/70) = 139.5092388939243
Frequency (25/70) = 140.89753587406997
Frequency (26/70) = 142.29964820092934
Frequency (27/70) = 143.7157133550325
Frequency (28/70) = 145.14587018501837
Frequency (29/70) = 146.5902589212489
Frequency (30/70) = 148.04902118955917
Frequency (31/70) = 149.52230002514418
Frequency (32/70) = 151.01023988658355
Frequency (33/70) = 152.51298667000646
Frequency (34/70) = 154.0306877233966
Frequency (35/70) = 155.56349186104046
Frequency (36/70) = 157.11154937811867
Frequency (37/70) = 158.67501206544287
Frequency (38/70) = 160.25403322433922
Frequency (39/70) = 161.8487676816799
Frequency (40/70) = 163.45937180506434
Frequency (41/70) = 165.08600351815127
Frequency (42/70) = 166.72882231614378
Frequency (43/70) = 168.38798928142805
Frequency (44/70) = 170.06366709936782
Frequency (45/70) = 171.75602007425624
Frequency (46/70) = 173.4652141454262
Frequency (47/70) = 175.19141690352112
Frequency (48/70) = 176.93479760692767
Frequency (49/70) = 178.6955271983718
Frequency (50/70) = 180.47377832168036
Frequency (51/70) = 182.26972533870892
Frequency (52/70) = 184.08354434643866

Frequency (53/70) = 185.915413194243
Frequency (54/70) = 187.7655115013261
Frequency (55/70) = 189.6340206743351
Frequency (56/70) = 191.52112392514732
Frequency (57/70) = 193.42700628883475
Frequency (58/70) = 195.3518546418072
Frequency (59/70) = 197.29585772013584
Frequency (60/70) = 199.25920613805945
Frequency (61/70) = 201.2420924066745
Frequency (62/70) = 203.24471095281112
Frequency (63/70) = 205.26725813809762
Frequency (64/70) = 207.30993227821375
Frequency (65/70) = 209.3729336623363
Frequency (66/70) = 211.45646457277783
Frequency (67/70) = 213.56072930482102
Frequency (68/70) = 215.68593418675016
Frequency (69/70) = 217.83228760008245
Frequency (70/70) = 220

Number of semi-tones = 71

Frequency (0/71) = 110
Frequency (1/71) = 111.07914909710533
Frequency (2/71) = 112.1688851285178
Frequency (3/71) = 113.26931195678826
Frequency (4/71) = 114.38053446340564
Frequency (5/71) = 115.50265855879302
Frequency (6/71) = 116.63579119240198
Frequency (7/71) = 117.78004036290605
Frequency (8/71) = 118.93551512849386
Frequency (9/71) = 120.10232561726363
Frequency (10/71) = 121.28058303771928
Frequency (11/71) = 122.47039968936986
Frequency (12/71) = 123.6718889734327
Frequency (13/71) = 124.88516540364171
Frequency (14/71) = 126.11034461716162
Frequency (15/71) = 127.34754338560937
Frequency (16/71) = 128.59687962618358
Frequency (17/71) = 129.8584724129032
Frequency (18/71) = 131.13244198795653
Frequency (19/71) = 132.41890977316126
Frequency (20/71) = 133.71799838153743
Frequency (21/71) = 135.02983162899352
Frequency (22/71) = 136.3545345461273
Frequency (23/71) = 137.6922333901425
Frequency (24/71) = 139.0430556568824
Frequency (25/71) = 140.40713009298142
Frequency (26/71) = 141.7845867081359
Frequency (27/71) = 143.17555678749534
Frequency (28/71) = 144.58017290417513
Frequency (29/71) = 145.99856893189218
Frequency (30/71) = 147.4308800577242
Frequency (31/71) = 148.87724279499454
Frequency (32/71) = 150.3377949962832
Frequency (33/71) = 151.81267586656543
Frequency (34/71) = 153.3020259764795
Frequency (35/71) = 154.8059872757244
Frequency (36/71) = 156.3247031065889
Frequency (37/71) = 157.8583182176138
Frequency (38/71) = 159.40697877738748
Frequency (39/71) = 160.97083238847753

Frequency (40/71) = 162.55002810149864
Frequency (41/71) = 164.14471642931846
Frequency (42/71) = 165.7550493614031
Frequency (43/71) = 167.38118037830316
Frequency (44/71) = 169.023264466282
Frequency (45/71) = 170.68145813208733
Frequency (46/71) = 172.3559194178679
Frequency (47/71) = 174.0468079162366
Frequency (48/71) = 175.75428478548088
Frequency (49/71) = 177.4785127649231
Frequency (50/71) = 179.21965619043095
Frequency (51/71) = 180.97788101008035
Frequency (52/71) = 182.75335479997187
Frequency (53/71) = 184.5462467802024
Frequency (54/71) = 186.35672783099363
Frequency (55/71) = 188.18497050897838
Frequency (56/71) = 190.0311490636471
Frequency (57/71) = 191.8954394539555
Frequency (58/71) = 193.77801936509522
Frequency (59/71) = 195.67906822542886
Frequency (60/71) = 197.59876722359147
Frequency (61/71) = 199.53729932575934
Frequency (62/71) = 201.4948492930887
Frequency (63/71) = 203.4716036993252
Frequency (64/71) = 205.46775094858612
Frequency (65/71) = 207.48348129331728
Frequency (66/71) = 209.518986852426
Frequency (67/71) = 211.57446162959164
Frequency (68/71) = 213.65010153175635
Frequency (69/71) = 215.7461043877969
Frequency (70/71) = 217.8626699673795
Frequency (71/71) = 220

Number of semi-tones = 72

Frequency (0/72) = 110
Frequency (1/72) = 111.0640886551362
Frequency (2/72) = 112.13847080723593
Frequency (3/72) = 113.22324603078413
Frequency (4/72) = 114.31851486350277
Frequency (5/72) = 115.42437881566887
Frequency (6/72) = 116.54094037952248
Frequency (7/72) = 117.66830303876569
Frequency (8/72) = 118.80657127815367
Frequency (9/72) = 119.95585059317834
Frequency (10/72) = 121.11624749984574
Frequency (11/72) = 122.28786954454804
Frequency (12/72) = 123.47082531403103
Frequency (13/72) = 124.66522444545797
Frequency (14/72) = 125.87117763657086
Frequency (15/72) = 127.08879665595002
Frequency (16/72) = 128.31819435337283
Frequency (17/72) = 129.5594846702727
Frequency (18/72) = 130.8127826502993
Frequency (19/72) = 132.07820444998097
Frequency (20/72) = 133.3558673494899
Frequency (21/72) = 134.6458897635121
Frequency (22/72) = 135.94839125222182
Frequency (23/72) = 137.26349253236276
Frequency (24/72) = 138.59131548843604
Frequency (25/72) = 139.93198318399646

Frequency (26/72) = 141.28561987305827
Frequency (27/72) = 142.65235101161107
Frequency (28/72) = 144.03230326924708
Frequency (29/72) = 145.42560454090108
Frequency (30/72) = 146.8323839587038
Frequency (31/72) = 148.25277190394976
Frequency (32/72) = 149.68690001918145
Frequency (33/72) = 151.1349012203898
Frequency (34/72) = 152.59690970933295
Frequency (35/72) = 154.07306098597425
Frequency (36/72) = 155.56349186104046
Frequency (37/72) = 157.0683404687014
Frequency (38/72) = 158.58774627937245
Frequency (39/72) = 160.1218501126406
Frequency (40/72) = 161.67079415031588
Frequency (41/72) = 163.23472194960868
Frequency (42/72) = 164.81377845643496
Frequency (43/72) = 166.4081100188497
Frequency (44/72) = 168.01786440061076
Frequency (45/72) = 169.64319079487348
Frequency (46/72) = 171.2842398380183
Frequency (47/72) = 172.9411636236116
Frequency (48/72) = 174.61411571650194
Frequency (49/72) = 176.30325116705257
Frequency (50/72) = 178.00872652551155
Frequency (51/72) = 179.730699856521
Frequency (52/72) = 181.46933075376654
Frequency (53/72) = 183.22478035476874
Frequency (54/72) = 184.9972113558172
Frequency (55/72) = 186.78678802704954
Frequency (56/72) = 188.593676227676
Frequency (57/72) = 190.41804342135146
Frequency (58/72) = 192.26005869169592
Frequency (59/72) = 194.1198927579655
Frequency (60/72) = 195.99771799087463
Frequency (61/72) = 197.89370842857167
Frequency (62/72) = 199.8080397927687
Frequency (63/72) = 201.74088950502767
Frequency (64/72) = 203.69243670320387
Frequency (65/72) = 205.66286225804868
Frequency (66/72) = 207.65234878997256
Frequency (67/72) = 209.66108068597072
Frequency (68/72) = 211.68924411671193
Frequency (69/72) = 213.7370270537933
Frequency (70/72) = 215.80461928716127
Frequency (71/72) = 217.89221244270178
Frequency (72/72) = 220

Number of semi-tones = 73

Frequency (0/73) = 110
Frequency (1/73) = 111.04944278680856
Frequency (2/73) = 112.10889766600607
Frequency (3/73) = 113.17846015684833
Frequency (4/73) = 114.25822668988202
Frequency (5/73) = 115.34829461563871
Frequency (6/73) = 116.4487622134119
Frequency (7/73) = 117.5597287001178
Frequency (8/73) = 118.68129423924063
Frequency (9/73) = 119.81355994986313
Frequency (10/73) = 120.95662791578349

Frequency (11/73) = 122.110601194719
Frequency (12/73) = 123.27558382759767
Frequency (13/73) = 124.45168084793846
Frequency (14/73) = 125.63899829132095
Frequency (15/73) = 126.8376432049453
Frequency (16/73) = 128.0477236572837
Frequency (17/73) = 129.26934874782364
Frequency (18/73) = 130.50262861690408
Frequency (19/73) = 131.74767445564558
Frequency (20/73) = 133.0045985159754
Frequency (21/73) = 134.27351412074776
Frequency (22/73) = 135.554535673961
Frequency (23/73) = 136.84777867107212
Frequency (24/73) = 138.15335970940967
Frequency (25/73) = 139.4713964986861
Frequency (26/73) = 140.8020078716103
Frequency (27/73) = 142.14531379460146
Frequency (28/73) = 143.50143537860492
Frequency (29/73) = 144.87049489001177
Frequency (30/73) = 146.25261576168188
Frequency (31/73) = 147.6479226040726
Frequency (32/73) = 149.05654121647365
Frequency (33/73) = 150.47859859834873
Frequency (34/73) = 151.914222960786
Frequency (35/73) = 153.36354373805713
Frequency (36/73) = 154.82669159928716
Frequency (37/73) = 156.30379846023538
Frequency (38/73) = 157.7949974951888
Frequency (39/73) = 159.3004231489688
Frequency (40/73) = 160.82021114905277
Frequency (41/73) = 162.354498517811
Frequency (42/73) = 163.90342358486043
Frequency (43/73) = 165.46712599953642
Frequency (44/73) = 167.0457467434833
Frequency (45/73) = 168.6394281433651
Frequency (46/73) = 170.24831388369762
Frequency (47/73) = 171.8725490198028
Frequency (48/73) = 173.5122799908867
Frequency (49/73) = 175.16765463324256
Frequency (50/73) = 176.83882219357918
Frequency (51/73) = 178.52593334247715
Frequency (52/73) = 180.22914018797286
Frequency (53/73) = 181.94859628927264
Frequency (54/73) = 183.6844566705974
Frequency (55/73) = 185.4368778351593
Frequency (56/73) = 187.2060177792721
Frequency (57/73) = 188.99203600659584
Frequency (58/73) = 190.79509354251752
Frequency (59/73) = 192.61535294866897
Frequency (60/73) = 194.4529783375832
Frequency (61/73) = 196.30813538749067
Frequency (62/73) = 198.1809913572565
Frequency (63/73) = 200.07171510146054
Frequency (64/73) = 201.98047708562092
Frequency (65/73) = 203.90744940156327
Frequency (66/73) = 205.852805782936
Frequency (67/73) = 207.81672162087426
Frequency (68/73) = 209.79937397981269
Frequency (69/73) = 211.80094161344968
Frequency (70/73) = 213.82160498086327

Frequency (71/73) = 215.86154626278145
Frequency (72/73) = 217.92094937800707
Frequency (73/73) = 220

Number of semi-tones = 74

Frequency (0/74) = 110
Frequency (1/74) = 111.03519460650094
Frequency (2/74) = 112.08013128457758
Frequency (3/74) = 113.13490171550222
Frequency (4/74) = 114.19959844334679
Frequency (5/74) = 115.27431488310246
Frequency (6/74) = 116.3591453288759
Frequency (7/74) = 117.45418496216236
Frequency (8/74) = 118.55952986019685
Frequency (9/74) = 119.67527700438377
Frequency (10/74) = 120.80152428880596
Frequency (11/74) = 121.93837052881382
Frequency (12/74) = 123.0859154696951
Frequency (13/74) = 124.24425979542654
Frequency (14/74) = 125.41350513750768
Frequency (15/74) = 126.59375408387791
Frequency (16/74) = 127.78511018791731
Frequency (17/74) = 128.9876779775324
Frequency (18/74) = 130.20156296432714
Frequency (19/74) = 131.42687165286043
Frequency (20/74) = 132.66371154999072
Frequency (21/74) = 133.91219117430842
Frequency (22/74) = 135.1724200656572
Frequency (23/74) = 136.4445087947449
Frequency (24/74) = 137.7285689728448
Frequency (25/74) = 139.02471326158823
Frequency (26/74) = 140.33305538284947
Frequency (27/74) = 141.6537101287233
Frequency (28/74) = 142.98679337159697
Frequency (29/74) = 144.3324220743164
Frequency (30/74) = 145.6907143004487
Frequency (31/74) = 147.06178922464042
Frequency (32/74) = 148.4457671430743
Frequency (33/74) = 149.8427694840234
Frequency (34/74) = 151.25291881850544
Frequency (35/74) = 152.67633887103673
Frequency (36/74) = 154.11315453048766
Frequency (37/74) = 155.56349186104046
Frequency (38/74) = 157.02747811324954
Frequency (39/74) = 158.50524173520662
Frequency (40/74) = 159.99691238381038
Frequency (41/74) = 161.50262093614242
Frequency (42/74) = 163.0224995009502
Frequency (43/74) = 164.55668143023826
Frequency (44/74) = 166.10530133096802
Frequency (45/74) = 167.6684950768683
Frequency (46/74) = 169.2463998203565
Frequency (47/74) = 170.83915400457226
Frequency (48/74) = 172.44689737552423
Frequency (49/74) = 174.06977099435116
Frequency (50/74) = 175.70791724969845
Frequency (51/74) = 177.36147987021118
Frequency (52/74) = 179.03060393714452
Frequency (53/74) = 180.71543589709304
Frequency (54/74) = 182.41612357483973

Frequency (55/74) = 184.1328161863259
Frequency (56/74) = 185.8656643517433
Frequency (57/74) = 187.6148201087491
Frequency (58/74) = 189.38043692580564
Frequency (59/74) = 191.16266971564548
Frequency (60/74) = 192.96167484886328
Frequency (61/74) = 194.77761016763537
Frequency (62/74) = 196.6106349995688
Frequency (63/74) = 198.46091017168038
Frequency (64/74) = 200.32859802450758
Frequency (65/74) = 202.21386242635177
Frequency (66/74) = 204.11686878765616
Frequency (67/74) = 206.03778407551832
Frequency (68/74) = 207.97677682833998
Frequency (69/74) = 209.93401717061403
Frequency (70/74) = 211.90967682785123
Frequency (71/74) = 213.90392914164713
Frequency (72/74) = 215.9169490848907
Frequency (73/74) = 217.94891327711628
Frequency (74/74) = 220

Number of semi-tones = 75

Frequency (0/75) = 110
Frequency (1/75) = 111.02132813330617
Frequency (2/75) = 112.05213909530217
Frequency (3/75) = 113.09252093216732
Frequency (4/75) = 114.14256250757221
Frequency (5/75) = 115.20235351026894
Frequency (6/75) = 116.27198446175183
Frequency (7/75) = 117.35154672398934
Frequency (8/75) = 118.44113250722754
Frequency (9/75) = 119.54083487786637
Frequency (10/75) = 120.65074776640884
Frequency (11/75) = 121.77096597548393
Frequency (12/75) = 122.9015851879442
Frequency (13/75) = 124.04270197503848
Frequency (14/75) = 125.19441380466046
Frequency (15/75) = 126.35681904967386
Frequency (16/75) = 127.53001699631483
Frequency (17/75) = 128.71410785267256
Frequency (18/75) = 129.90919275724832
Frequency (19/75) = 131.11537378759445
Frequency (20/75) = 132.33275396903284
Frequency (21/75) = 133.56143728345518
Frequency (22/75) = 134.80152867820422
Frequency (23/75) = 136.05313407503812
Frequency (24/75) = 137.3163603791773
Frequency (25/75) = 138.59131548843604
Frequency (26/75) = 139.87810830243833
Frequency (27/75) = 141.17684873191948
Frequency (28/75) = 142.48764770811417
Frequency (29/75) = 143.81061719223155
Frequency (30/75) = 145.14587018501837
Frequency (31/75) = 146.49352073641074
Frequency (32/75) = 147.8536839552759
Frequency (33/75) = 149.2264760192439
Frequency (34/75) = 150.61201418463108
Frequency (35/75) = 152.01041679645536
Frequency (36/75) = 153.4218032985446
Frequency (37/75) = 154.84629424373884

Frequency (38/75) = 156.28401130418735
Frequency (39/75) = 157.735077281741
Frequency (40/75) = 159.1996161184416
Frequency (41/75) = 160.677752907108
Frequency (42/75) = 162.16961390202113
Frequency (43/75) = 163.6753265297078
Frequency (44/75) = 165.19501939982473
Frequency (45/75) = 166.72882231614378
Frequency (46/75) = 168.27686628763908
Frequency (47/75) = 169.83928353967696
Frequency (48/75) = 171.41620752530997
Frequency (49/75) = 173.00777293667585
Frequency (50/75) = 174.61411571650194
Frequency (51/75) = 176.23537306971687
Frequency (52/75) = 177.87168347516965
Frequency (53/75) = 179.52318669745802
Frequency (54/75) = 181.1900237988661
Frequency (55/75) = 182.87233715141332
Frequency (56/75) = 184.57027044901503
Frequency (57/75) = 186.28396871975596
Frequency (58/75) = 188.01357833827788
Frequency (59/75) = 189.75924703828193
Frequency (60/75) = 191.52112392514732
Frequency (61/75) = 193.29935948866702
Frequency (62/75) = 195.0941056159019
Frequency (63/75) = 196.90551560415395
Frequency (64/75) = 198.7337441740601
Frequency (65/75) = 200.5789474828077
Frequency (66/75) = 202.4412831374725
Frequency (67/75) = 204.32091020848068
Frequency (68/75) = 206.2179892431956
Frequency (69/75) = 208.1326822796311
Frequency (70/75) = 210.06515286029165
Frequency (71/75) = 212.0155660461414
Frequency (72/75) = 213.98408843070283
Frequency (73/75) = 215.970888154286
Frequency (74/75) = 217.97613491835045
Frequency (75/75) = 220

Number of semi-tones = 76

Frequency (0/76) = 110
Frequency (1/76) = 111.00782823124068
Frequency (2/76) = 112.02489026015122
Frequency (3/76) = 113.05127068747684
Frequency (4/76) = 114.0870548890811
Frequency (5/76) = 115.13232902304766
Frequency (6/76) = 116.18718003684693
Frequency (7/76) = 117.25169567456852
Frequency (8/76) = 118.32596448422007
Frequency (9/76) = 119.4100758250926
Frequency (10/76) = 120.50411987519368
Frequency (11/76) = 121.60818763874849
Frequency (12/76) = 122.7223709537698
Frequency (13/76) = 123.84676249969708
Frequency (14/76) = 124.98145580510574
Frequency (15/76) = 126.12654525548704
Frequency (16/76) = 127.28212610109918
Frequency (17/76) = 128.44829446489032
Frequency (18/76) = 129.62514735049422
Frequency (19/76) = 130.8127826502993

Frequency (20/76) = 132.01129915359135
Frequency (21/76) = 133.22079655477086
Frequency (22/76) = 134.44137546164603
Frequency (23/76) = 135.67313740380123
Frequency (24/76) = 136.91618484104256
Frequency (25/76) = 138.17062117192046
Frequency (26/76) = 139.43655074233067
Frequency (27/76) = 140.7140788541938
Frequency (28/76) = 142.00331177421455
Frequency (29/76) = 143.30435674272113
Frequency (30/76) = 144.61732198258565
Frequency (31/76) = 145.94231670822631
Frequency (32/76) = 147.27945113469195
Frequency (33/76) = 148.62883648682987
Frequency (34/76) = 149.9905850085379
Frequency (35/76) = 151.3648099721007
Frequency (36/76) = 152.75162568761218
Frequency (37/76) = 154.15114751248385
Frequency (38/76) = 155.56349186104046
Frequency (39/76) = 156.9887762142035
Frequency (40/76) = 158.42711912926347
Frequency (41/76) = 159.8786402497417
Frequency (42/76) = 161.34346031534224
Frequency (43/76) = 162.8217011719955
Frequency (44/76) = 164.31348578199342
Frequency (45/76) = 165.81893823421757
Frequency (46/76) = 167.3381837544612
Frequency (47/76) = 168.8713487158456
Frequency (48/76) = 170.4185606493321
Frequency (49/76) = 171.9799482543303
Frequency (50/76) = 173.55564140940325
Frequency (51/76) = 175.14577118307122
Frequency (52/76) = 176.75046984471413
Frequency (53/76) = 178.36987087557372
Frequency (54/76) = 180.00410897985697
Frequency (55/76) = 181.6533200959408
Frequency (56/76) = 183.3176414076798
Frequency (57/76) = 184.9972113558172
Frequency (58/76) = 186.69216964950076
Frequency (59/76) = 188.40265727790384
Frequency (60/76) = 190.12881652195324
Frequency (61/76) = 191.87079096616415
Frequency (62/76) = 193.62872551058393
Frequency (63/76) = 195.40276638284504
Frequency (64/76) = 197.19306115032828
Frequency (65/76) = 198.999758732438
Frequency (66/76) = 200.82300941298922
Frequency (67/76) = 202.6629648527085
Frequency (68/76) = 204.5197781018494
Frequency (69/76) = 206.39360361292324
Frequency (70/76) = 208.28459725354688
Frequency (71/76) = 210.19291631940794
Frequency (72/76) = 212.11871954734892
Frequency (73/76) = 214.0621671285711
Frequency (74/76) = 216.02342072195958
Frequency (75/76) = 218.00264346753025
Frequency (76/76) = 220

Number of semi-tones = 77

Frequency (0/77) = 110

Frequency (1/77) = 110.99468055413352
Frequency (2/77) = 111.99835555740135
Frequency (3/77) = 113.0111063425639
Frequency (4/77) = 114.03301497783723
Frequency (5/77) = 115.06416427354337
Frequency (6/77) = 116.10463778882081
Frequency (7/77) = 117.1545198383959
Frequency (8/77) = 118.21389549941502
Frequency (9/77) = 119.28285061833904
Frequency (10/77) = 120.36147181789975
Frequency (11/77) = 121.44984650411935
Frequency (12/77) = 122.54806287339345
Frequency (13/77) = 123.65620991963799
Frequency (14/77) = 124.77437744150089
Frequency (15/77) = 125.90265604963886
Frequency (16/77) = 127.04113717406014
Frequency (17/77) = 128.18991307153334
Frequency (18/77) = 129.34907683306352
Frequency (19/77) = 130.518722391436
Frequency (20/77) = 131.69894452882798
Frequency (21/77) = 132.8898388844892
Frequency (22/77) = 134.0915019624923
Frequency (23/77) = 135.30403113955276
Frequency (24/77) = 136.52752467291995
Frequency (25/77) = 137.76208170833942
Frequency (26/77) = 139.00780228808708
Frequency (27/77) = 140.26478735907614
Frequency (28/77) = 141.53313878103748
Frequency (29/77) = 142.8129593347737
Frequency (30/77) = 144.1043527304879
Frequency (31/77) = 145.40742361618805
Frequency (32/77) = 146.72227758616697
Frequency (33/77) = 148.04902118955917
Frequency (34/77) = 149.38776193897516
Frequency (35/77) = 150.7386083192136
Frequency (36/77) = 152.10166979605248
Frequency (37/77) = 153.4770568251195
Frequency (38/77) = 154.86488086084307
Frequency (39/77) = 156.26525436548388
Frequency (40/77) = 157.6782908182482
Frequency (41/77) = 159.10410472448388
Frequency (42/77) = 160.54281162495909
Frequency (43/77) = 161.99452810522519
Frequency (44/77) = 163.45937180506434
Frequency (45/77) = 164.93746142802235
Frequency (46/77) = 166.42891675102783
Frequency (47/77) = 167.93385863409836
Frequency (48/77) = 169.45240903013425
Frequency (49/77) = 170.98469099480113
Frequency (50/77) = 172.5308286965017
Frequency (51/77) = 174.09094742643762
Frequency (52/77) = 175.66517360876273
Frequency (53/77) = 177.25363481082752
Frequency (54/77) = 178.8564597535168
Frequency (55/77) = 180.47377832168036
Frequency (56/77) = 182.10572157465836
Frequency (57/77) = 183.75242175690173
Frequency (58/77) = 185.4140123086884
Frequency (59/77) = 187.09062787693685
Frequency (60/77) = 188.78240432611705

Frequency (61/77) = 190.48947874926037
Frequency (62/77) = 192.21198947906876
Frequency (63/77) = 193.95007609912466
Frequency (64/77) = 195.70387945520213
Frequency (65/77) = 197.47354166668015
Frequency (66/77) = 199.25920613805945
Frequency (67/77) = 201.06101757058323
Frequency (68/77) = 202.87912197396287
Frequency (69/77) = 204.71366667821002
Frequency (70/77) = 206.56480034557538
Frequency (71/77) = 208.4326729825956
Frequency (72/77) = 210.31743595224887
Frequency (73/77) = 212.21924198622096
Frequency (74/77) = 214.13824519728144
Frequency (75/77) = 216.07460109177248
Frequency (76/77) = 218.02846658221017
Frequency (77/77) = 220

Number of semi-tones = 78

Frequency (0/78) = 110
Frequency (1/78) = 110.98187149477353
Frequency (2/78) = 111.97250727711297
Frequency (3/78) = 112.97198557796497
Frequency (4/78) = 113.9803853265738
Frequency (5/78) = 114.99778615671441
Frequency (6/78) = 116.02426841298113
Frequency (7/78) = 117.05991315713257
Frequency (8/78) = 118.10480217449307
Frequency (9/78) = 119.15901798041129
Frequency (10/78) = 120.2226438267765
Frequency (11/78) = 121.29576370859309
Frequency (12/78) = 122.37846237061355
Frequency (13/78) = 123.47082531403103
Frequency (14/78) = 124.57293880323112
Frequency (15/78) = 125.6848898726044
Frequency (16/78) = 126.8067663334195
Frequency (17/78) = 127.93865678075763
Frequency (18/78) = 129.0806506005089
Frequency (19/78) = 130.23283797643128
Frequency (20/78) = 131.39530989727237
Frequency (21/78) = 132.5681581639548
Frequency (22/78) = 133.75147539682584
Frequency (23/78) = 134.94535504297176
Frequency (24/78) = 136.1498913835971
Frequency (25/78) = 137.36517954147044
Frequency (26/78) = 138.59131548843604
Frequency (27/78) = 139.82839605299296
Frequency (28/78) = 141.0765189279415
Frequency (29/78) = 142.3357826780981
Frequency (30/78) = 143.60628674807904
Frequency (31/78) = 144.88813147015372
Frequency (32/78) = 146.18141807216776
Frequency (33/78) = 147.48624868553716
Frequency (34/78) = 148.80272635331363
Frequency (35/78) = 150.13095503832184
Frequency (36/78) = 151.47103963136965
Frequency (37/78) = 152.82308595953103
Frequency (38/78) = 154.18720079450367
Frequency (39/78) = 155.56349186104046
Frequency (40/78) = 156.95206784545672

Frequency (41/78) = 158.35303840421324
Frequency (42/78) = 159.76651417257577
Frequency (43/78) = 161.19260677335197
Frequency (44/78) = 162.63142882570645
Frequency (45/78) = 164.0830939540542
Frequency (46/78) = 165.54771679703362
Frequency (47/78) = 167.02541301655953
Frequency (48/78) = 168.51629930695714
Frequency (49/78) = 170.02049340417736
Frequency (50/78) = 171.53811409509458
Frequency (51/78) = 173.06928122688717
Frequency (52/78) = 174.61411571650194
Frequency (53/78) = 176.17273956020307
Frequency (54/78) = 177.745275843206
Frequency (55/78) = 179.33184874939786
Frequency (56/78) = 180.93258357114397
Frequency (57/78) = 182.54760671918248
Frequency (58/78) = 184.17704573260698
Frequency (59/78) = 185.82102928893832
Frequency (60/78) = 187.4796872142864
Frequency (61/78) = 189.15315049360245
Frequency (62/78) = 190.84155128102316
Frequency (63/78) = 192.54502291030678
Frequency (64/78) = 194.26369990536267
Frequency (65/78) = 195.99771799087463
Frequency (66/78) = 197.74721410301922
Frequency (67/78) = 199.51232640027953
Frequency (68/78) = 201.29319427435578
Frequency (69/78) = 203.08995836117305
Frequency (70/78) = 204.90276055198743
Frequency (71/78) = 206.7317440045911
Frequency (72/78) = 208.57705315461774
Frequency (73/78) = 210.43883372694847
Frequency (74/78) = 212.3172327472201
Frequency (75/78) = 214.21239855343552
Frequency (76/78) = 216.1244808076781
Frequency (77/78) = 218.05363050793073
Frequency (78/78) = 220

Number of semi-tones = 79

Frequency (0/79) = 110
Frequency (1/79) = 110.96938813793534
Frequency (2/79) = 111.94731912461587
Frequency (3/79) = 112.93386824491647
Frequency (4/79) = 113.92911144716895
Frequency (5/79) = 114.93312534900893
Frequency (6/79) = 115.94598724327408
Frequency (7/79) = 116.96777510395438
Frequency (8/79) = 117.99856759219493
Frequency (9/79) = 119.03844406235163
Frequency (10/79) = 120.0874845681
Frequency (11/79) = 121.1457698685983
Frequency (12/79) = 122.21338143470432
Frequency (13/79) = 123.29040145524768
Frequency (14/79) = 124.3769128433568
Frequency (15/79) = 125.47299924284195
Frequency (16/79) = 126.57874503463452
Frequency (17/79) = 127.69423534328286
Frequency (18/79) = 128.8195560435056
Frequency (19/79) = 129.9547937668026

Frequency (20/79) = 131.10003590812417
Frequency (21/79) = 132.255370632599
Frequency (22/79) = 133.4208868823216
Frequency (23/79) = 134.5966743831992
Frequency (24/79) = 135.78282365185936
Frequency (25/79) = 136.97942600261825
Frequency (26/79) = 138.18657355451035
Frequency (27/79) = 139.4043592383801
Frequency (28/79) = 140.63287680403613
Frequency (29/79) = 141.87222082746842
Frequency (30/79) = 143.12248671812927
Frequency (31/79) = 144.38377072627802
Frequency (32/79) = 145.65616995039102
Frequency (33/79) = 146.9397823446365
Frequency (34/79) = 148.2347067264155
Frequency (35/79) = 149.54104278396923
Frequency (36/79) = 150.85889108405345
Frequency (37/79) = 152.18835307968035
Frequency (38/79) = 153.52953111792908
Frequency (39/79) = 154.88252844782448
Frequency (40/79) = 156.2474492282859
Frequency (41/79) = 157.62439853614546
Frequency (42/79) = 159.01348237423758
Frequency (43/79) = 160.41480767955917
Frequency (44/79) = 161.82848233150233
Frequency (45/79) = 163.254615160159
Frequency (46/79) = 164.69331595469956
Frequency (47/79) = 166.1446954718243
Frequency (48/79) = 167.60886544429033
Frequency (49/79) = 169.08593858951303
Frequency (50/79) = 170.57602861824338
Frequency (51/79) = 172.07925024332198
Frequency (52/79) = 173.59571918851
Frequency (53/79) = 175.12555219739815
Frequency (54/79) = 176.6688670423939
Frequency (55/79) = 178.22578253378822
Frequency (56/79) = 179.79641852890182
Frequency (57/79) = 181.3808959413125
Frequency (58/79) = 182.97933675016336
Frequency (59/79) = 184.5918640095532
Frequency (60/79) = 186.2186018580099
Frequency (61/79) = 187.85967552804678
Frequency (62/79) = 189.51521135580379
Frequency (63/79) = 191.18533679077314
Frequency (64/79) = 192.87018040561082
Frequency (65/79) = 194.5698719060349
Frequency (66/79) = 196.28454214081046
Frequency (67/79) = 198.0143231118229
Frequency (68/79) = 199.75934798424015
Frequency (69/79) = 201.519751096764
Frequency (70/79) = 203.29566797197202
Frequency (71/79) = 205.08723532675086
Frequency (72/79) = 206.8945910828209
Frequency (73/79) = 208.71787437735426
Frequency (74/79) = 210.55722557368597
Frequency (75/79) = 212.41278627211966
Frequency (76/79) = 214.28469932082865
Frequency (77/79) = 216.17310882685274
Frequency (78/79) = 218.07816016719235
Frequency (79/79) = 220

Number of semi-tones = 80
Frequency(0/80) = 110
Frequency(1/80) = 110.95721821694389
Frequency(2/80) = 111.92276613129549
Frequency(3/80) = 112.89671622794664
Frequency(4/80) = 113.87914162255153
Frequency(5/80) = 114.87011606701552
Frequency(6/80) = 115.86971395503194
Frequency(7/80) = 116.8780103276668
Frequency(8/80) = 117.89508087899225
Frequency(9/80) = 118.92100196176902
Frequency(10/80) = 119.95585059317834
Frequency(11/80) = 120.99970446060371
Frequency(12/80) = 122.05264192746296
Frequency(13/80) = 123.11474203909111
Frequency(14/80) = 124.18608452867443
Frequency(15/80) = 125.26674982323607
Frequency(16/80) = 126.35681904967386
Frequency(17/80) = 127.45637404085049
Frequency(18/80) = 128.565497341737
Frequency(19/80) = 129.68427221560938
Frequency(20/80) = 130.8127826502993
Frequency(21/80) = 131.95111336449924
Frequency(22/80) = 133.09934981412218
Frequency(23/80) = 134.25757819871734
Frequency(24/80) = 135.4258854679408
Frequency(25/80) = 136.60435932808323
Frequency(26/80) = 137.79308824865407
Frequency(27/80) = 138.99216146902288
Frequency(28/80) = 140.20166900511884
Frequency(29/80) = 141.42170165618825
Frequency(30/80) = 142.65235101161107
Frequency(31/80) = 143.89370945777642
Frequency(32/80) = 145.14587018501837
Frequency(33/80) = 146.40892719461175
Frequency(34/80) = 147.682975305829
Frequency(35/80) = 148.96811016305818
Frequency(36/80) = 150.2644282429835
Frequency(37/80) = 151.57202686182754
Frequency(38/80) = 152.89100418265707
Frequency(39/80) = 154.22145922275237
Frequency(40/80) = 155.56349186104046
Frequency(41/80) = 156.9172028455931
Frequency(42/80) = 158.28269380119022
Frequency(43/80) = 159.66006723694886
Frequency(44/80) = 161.0494265540188
Frequency(45/80) = 162.45087605334493
Frequency(46/80) = 163.86452094349727
Frequency(47/80) = 165.29046734856905
Frequency(48/80) = 166.72882231614378
Frequency(49/80) = 168.1796938253312
Frequency(50/80) = 169.64319079487348
Frequency(51/80) = 171.11942309132203
Frequency(52/80) = 172.60850153728518
Frequency(53/80) = 174.11053791974769
Frequency(54/80) = 175.625644998463
Frequency(55/80) = 177.15393651441798
Frequency(56/80) = 178.6955271983718
Frequency(57/80) = 180.25053277946887

Frequency (58/80) = 181.81906999392658
Frequency (59/80) = 183.40125659379916
Frequency (60/80) = 184.9972113558172
Frequency (61/80) = 186.60705409030453
Frequency (62/80) = 188.2309056501725
Frequency (63/80) = 189.86888793999242
Frequency (64/80) = 191.52112392514732
Frequency (65/80) = 193.18773764106294
Frequency (66/80) = 194.86885420251932
Frequency (67/80) = 196.5645998130433
Frequency (68/80) = 198.27510177438265
Frequency (69/80) = 200.00048849606304
Frequency (70/80) = 201.74088950502767
Frequency (71/80) = 203.4964354553611
Frequency (72/80) = 205.26725813809762
Frequency (73/80) = 207.05349049111499
Frequency (74/80) = 208.85526660911424
Frequency (75/80) = 210.6727217536862
Frequency (76/80) = 212.50599236346602
Frequency (77/80) = 214.35521606437555
Frequency (78/80) = 216.22053167995523
Frequency (79/80) = 218.10207924178567
Frequency (80/80) = 220

Number of semi-tones = 81

Frequency (0/81) = 110
Frequency (1/81) = 110.9453500734699
Frequency (2/81) = 111.89882457204354
Frequency (3/81) = 112.86049331777426
Frequency (4/81) = 113.8304267327725
Frequency (5/81) = 114.80869584436284
Frequency (6/81) = 115.79537229028513
Frequency (7/81) = 116.79052832394055
Frequency (8/81) = 117.7942368196826
Frequency (9/81) = 118.80657127815367
Frequency (10/81) = 119.82760583166741
Frequency (11/81) = 120.85741524963731
Frequency (12/81) = 121.8960749440521
Frequency (13/81) = 122.94366097499805
Frequency (14/81) = 124.00025005622871
Frequency (15/81) = 125.06591956078273
Frequency (16/81) = 126.14074752664972
Frequency (17/81) = 127.22481266248487
Frequency (18/81) = 128.31819435337283
Frequency (19/81) = 129.4209726666409
Frequency (20/81) = 130.5332283577223
Frequency (21/81) = 131.6550428760699
Frequency (22/81) = 132.7864983711206
Frequency (23/81) = 133.92767769831104
Frequency (24/81) = 135.07866442514518
Frequency (25/81) = 136.2395428373136
Frequency (26/81) = 137.41039794486596
Frequency (27/81) = 138.59131548843604
Frequency (28/81) = 139.78238194552043
Frequency (29/81) = 140.98368453681132
Frequency (30/81) = 142.19531123258344
Frequency (31/81) = 143.41735075913616
Frequency (32/81) = 144.64989260529077
Frequency (33/81) = 145.89302702894372
Frequency (34/81) = 147.1468450636761

Frequency (35/81) = 148.41143852541984
Frequency (36/81) = 149.68690001918145
Frequency (37/81) = 150.9733229458234
Frequency (38/81) = 152.2708015089037
Frequency (39/81) = 153.57943072157428
Frequency (40/81) = 154.89930641353888
Frequency (41/81) = 156.2305252380705
Frequency (42/81) = 157.57318467908914
Frequency (43/81) = 158.92738305830062
Frequency (44/81) = 160.29321954239649
Frequency (45/81) = 161.67079415031588
Frequency (46/81) = 163.06020776056985
Frequency (47/81) = 164.4615621186287
Frequency (48/81) = 165.87495984437254
Frequency (49/81) = 167.30050443960613
Frequency (50/81) = 168.73830029563825
Frequency (51/81) = 170.18845270092615
Frequency (52/81) = 171.6510678487857
Frequency (53/81) = 173.12625284516787
Frequency (54/81) = 174.61411571650194
Frequency (55/81) = 176.1147654176063
Frequency (56/81) = 177.6283118396669
Frequency (57/81) = 179.15486581828478
Frequency (58/81) = 180.69453914159212
Frequency (59/81) = 182.24744455843862
Frequency (60/81) = 183.81369578664788
Frequency (61/81) = 185.393407521345
Frequency (62/81) = 186.9866954433554
Frequency (63/81) = 188.593676227676
Frequency (64/81) = 190.21446755201958
Frequency (65/81) = 191.8491881054318
Frequency (66/81) = 193.49795759698281
Frequency (67/81) = 195.16089676453356
Frequency (68/81) = 196.83812738357724
Frequency (69/81) = 198.52977227615673
Frequency (70/81) = 200.23595531985882
Frequency (71/81) = 201.9568014568856
Frequency (72/81) = 203.69243670320387
Frequency (73/81) = 205.44298815777333
Frequency (74/81) = 207.20858401185356
Frequency (75/81) = 208.98935355839177
Frequency (76/81) = 210.78542720149045
Frequency (77/81) = 212.59693646595696
Frequency (78/81) = 214.42401400693484
Frequency (79/81) = 216.2667936196182
Frequency (80/81) = 218.12541024904914
Frequency (81/81) = 220

Number of semi-tones = 82

Frequency (0/82) = 110
Frequency (1/82) = 110.93377262027954
Frequency (2/82) = 111.87547188879896
Frequency (3/82) = 112.82516509362272
Frequency (4/82) = 113.78292009401312
Frequency (5/82) = 114.748805325279
Frequency (6/82) = 115.72288980366565
Frequency (7/82) = 116.7052431312865
Frequency (8/82) = 117.69593550109616
Frequency (9/82) = 118.69503770190626
Frequency (10/82) = 119.70262112344344

Frequency (11/82) = 120.7187577614504
Frequency (12/82) = 121.74352022283041
Frequency (13/82) = 122.77698173083522
Frequency (14/82) = 123.81921613029719
Frequency (15/82) = 124.8702978929058
Frequency (16/82) = 125.93030212252896
Frequency (17/82) = 126.99930456057939
Frequency (18/82) = 128.07738159142679
Frequency (19/82) = 129.1646102478556
Frequency (20/82) = 130.26106821656947
Frequency (21/82) = 131.3668338437422
Frequency (22/82) = 132.48198614061582
Frequency (23/82) = 133.6066047891464
Frequency (24/82) = 134.74077014769742
Frequency (25/82) = 135.88456325678197
Frequency (26/82) = 137.03806584485312
Frequency (27/82) = 138.20136033414394
Frequency (28/82) = 139.37452984655678
Frequency (29/82) = 140.5576582096027
Frequency (30/82) = 141.75082996239124
Frequency (31/82) = 142.95413036167108
Frequency (32/82) = 144.167645387922
Frequency (33/82) = 145.39146175149847
Frequency (34/82) = 146.62566689882544
Frequency (35/82) = 147.87034901864686
Frequency (36/82) = 149.1255970483268
Frequency (37/82) = 150.39150068020467
Frequency (38/82) = 151.66815036800404
Frequency (39/82) = 152.9556373332957
Frequency (40/82) = 154.25405357201606
Frequency (41/82) = 155.56349186104046
Frequency (42/82) = 156.88404576481247
Frequency (43/82) = 158.21580964202943
Frequency (44/82) = 159.55887865238478
Frequency (45/82) = 160.9133487633675
Frequency (46/82) = 162.2793167571196
Frequency (47/82) = 163.65688023735112
Frequency (48/82) = 165.04613763631485
Frequency (49/82) = 166.4471882218392
Frequency (50/82) = 167.86013210442167
Frequency (51/82) = 169.2850702443818
Frequency (52/82) = 170.72210445907547
Frequency (53/82) = 172.17133743016996
Frequency (54/82) = 173.63287271098088
Frequency (55/82) = 175.10681473387177
Frequency (56/82) = 176.5932688177159
Frequency (57/82) = 178.09234117542178
Frequency (58/82) = 179.60413892152263
Frequency (59/82) = 181.12877007982993
Frequency (60/82) = 182.66634359115224
Frequency (61/82) = 184.21696932107946
Frequency (62/82) = 185.78075806783312
Frequency (63/82) = 187.35782157018332
Frequency (64/82) = 188.94827251543293
Frequency (65/82) = 190.5522245474696
Frequency (66/82) = 192.16979227488582
Frequency (67/82) = 193.8010912791685
Frequency (68/82) = 195.44623812295748
Frequency (69/82) = 197.10535035837432
Frequency (70/82) = 198.77854653542212

Frequency (71/82) = 200.46594621045614
Frequency (72/82) = 202.16766995472665
Frequency (73/82) = 203.88383936299425
Frequency (74/82) = 205.61457706221822
Frequency (75/82) = 207.36000672031878
Frequency (76/82) = 209.12025305501348
Frequency (77/82) = 210.89544184272893
Frequency (78/82) = 212.68569992758802
Frequency (79/82) = 214.49115523047323
Frequency (80/82) = 216.3119367581673
Frequency (81/82) = 218.14817461257107
Frequency (82/82) = 220

Number of semi-tones = 83

Frequency (0/83) = 110
Frequency (1/83) = 110.92247530668807
Frequency (2/83) = 111.85268661966202
Frequency (3/83) = 112.79069881414708
Frequency (4/83) = 113.73657730942111
Frequency (5/83) = 114.6903880733771
Frequency (6/83) = 115.65219762712402
Frequency (7/83) = 116.62207304962611
Frequency (8/83) = 117.60008198238114
Frequency (9/83) = 118.58629263413786
Frequency (10/83) = 119.58077378565308
Frequency (11/83) = 120.5835947944887
Frequency (12/83) = 121.59482559984865
Frequency (13/83) = 122.61453672745687
Frequency (14/83) = 123.64279929447572
Frequency (15/83) = 124.67968501446613
Frequency (16/83) = 125.72526620238877
Frequency (17/83) = 126.77961577964773
Frequency (18/83) = 127.84280727917616
Frequency (19/83) = 128.91491485056451
Frequency (20/83) = 129.99601326523216
Frequency (21/83) = 131.08617792164188
Frequency (22/83) = 132.18548485055857
Frequency (23/83) = 133.29401072035157
Frequency (24/83) = 134.4118328423419
Frequency (25/83) = 135.53902917619413
Frequency (26/83) = 136.67567833535333
Frequency (27/83) = 137.82185959252791
Frequency (28/83) = 138.97765288521825
Frequency (29/83) = 140.1431388212917
Frequency (30/83) = 141.31839868460443
Frequency (31/83) = 142.5035144406703
Frequency (32/83) = 143.69856874237743
Frequency (33/83) = 144.9036449357525
Frequency (34/83) = 146.11882706577367
Frequency (35/83) = 147.34419988223186
Frequency (36/83) = 148.57984884564158
Frequency (37/83) = 149.82586013320113
Frequency (38/83) = 151.08232064480273
Frequency (39/83) = 152.34931800909328
Frequency (40/83) = 153.62694058958562
Frequency (41/83) = 154.9152774908213
Frequency (42/83) = 156.21441856458506
Frequency (43/83) = 157.52445441617107
Frequency (44/83) = 158.84547641070225
Frequency (45/83) = 160.177576679502

Frequency (46/83) = 161.52084812651998
Frequency (47/83) = 162.87538443481114
Frequency (48/83) = 164.24128007306965
Frequency (49/83) = 165.61863030221733
Frequency (50/83) = 167.0075311820473
Frequency (51/83) = 168.40807957792344
Frequency (52/83) = 169.8203731675361
Frequency (53/83) = 171.24451044771433
Frequency (54/83) = 172.68059074129525
Frequency (55/83) = 174.1287142040512
Frequency (56/83) = 175.58898183167466
Frequency (57/83) = 177.0614954668221
Frequency (58/83) = 178.5463578062167
Frequency (59/83) = 180.04367240781056
Frequency (60/83) = 181.5535436980073
Frequency (61/83) = 183.0760769789448
Frequency (62/83) = 184.61137843583933
Frequency (63/83) = 186.15955514439122
Frequency (64/83) = 187.72071507825248
Frequency (65/83) = 189.29496711655713
Frequency (66/83) = 190.88242105151488
Frequency (67/83) = 192.48318759606815
Frequency (68/83) = 194.0973783916134
Frequency (69/83) = 195.72510601578753
Frequency (70/83) = 197.36648399031907
Frequency (71/83) = 199.02162678894553
Frequency (72/83) = 200.69064984539727
Frequency (73/83) = 202.37366956144783
Frequency (74/83) = 204.07080331503224
Frequency (75/83) = 205.78216946843327
Frequency (76/83) = 207.50788737653625
Frequency (77/83) = 209.2480773951532
Frequency (78/83) = 211.00286088941667
Frequency (79/83) = 212.77236024224413
Frequency (80/83) = 214.5566988628733
Frequency (81/83) = 216.35600119546885
Frequency (82/83) = 218.1703927278015
Frequency (83/83) = 220

Number of semi-tones = 84

Frequency (0/84) = 110
Frequency (1/84) = 110.91144808649115
Frequency (2/84) = 111.8304483331129
Frequency (3/84) = 112.7570633162462
Frequency (4/84) = 113.69135613077304
Frequency (5/84) = 114.63339039437284
Frequency (6/84) = 115.58323025185413
Frequency (7/84) = 116.54094037952248
Frequency (8/84) = 117.50658598958424
Frequency (9/84) = 118.48023283458708
Frequency (10/84) = 119.46194721189717
Frequency (11/84) = 120.45179596821346
Frequency (12/84) = 121.44984650411935
Frequency (13/84) = 122.4561667786723
Frequency (14/84) = 123.47082531403103
Frequency (15/84) = 124.49389120012155
Frequency (16/84) = 125.52543409934142
Frequency (17/84) = 126.56552425130337
Frequency (18/84) = 127.6142324776179
Frequency (19/84) = 128.67163018671573

Frequency (20/84) = 129.73778937871006
Frequency (21/84) = 130.8127826502993
Frequency (22/84) = 131.8966831997102
Frequency (23/84) = 132.98956483168206
Frequency (24/84) = 134.0915019624923
Frequency (25/84) = 135.20256962502356
Frequency (26/84) = 136.32284347387275
Frequency (27/84) = 137.45239979050268
Frequency (28/84) = 138.59131548843604
Frequency (29/84) = 139.73966811849263
Frequency (30/84) = 140.89753587406997
Frequency (31/84) = 142.0649975964676
Frequency (32/84) = 143.2421327802555
Frequency (33/84) = 144.42902157868707
Frequency (34/84) = 145.62574480915694
Frequency (35/84) = 146.8323839587038
Frequency (36/84) = 148.04902118955917
Frequency (37/84) = 149.275739344742
Frequency (38/84) = 150.5126219536994
Frequency (39/84) = 151.75975323799454
Frequency (40/84) = 153.01721811704124
Frequency (41/84) = 154.2851022138865
Frequency (42/84) = 155.56349186104046
Frequency (43/84) = 156.85247410635523
Frequency (44/84) = 158.15213671895194
Frequency (45/84) = 159.46256819519718
Frequency (46/84) = 160.7838577647288
Frequency (47/84) = 162.11609539653173
Frequency (48/84) = 163.45937180506434
Frequency (49/84) = 164.81377845643496
Frequency (50/84) = 166.17940757463037
Frequency (51/84) = 167.55635214779517
Frequency (52/84) = 168.94470593456373
Frequency (53/84) = 170.34456347044434
Frequency (54/84) = 171.75602007425624
Frequency (55/84) = 173.17917185462
Frequency (56/84) = 174.61411571650194
Frequency (57/84) = 176.06094936781238
Frequency (58/84) = 177.5197713260588
Frequency (59/84) = 178.9906809250541
Frequency (60/84) = 180.47377832168036
Frequency (61/84) = 181.9691645027087
Frequency (62/84) = 183.47694129167587
Frequency (63/84) = 184.9972113558172
Frequency (64/84) = 186.53007821305772
Frequency (65/84) = 188.07564623906077
Frequency (66/84) = 189.6340206743351
Frequency (67/84) = 191.20530763140096
Frequency (68/84) = 192.7896141020154
Frequency (69/84) = 194.38704796445768
Frequency (70/84) = 195.99771799087463
Frequency (71/84) = 197.6217338546875
Frequency (72/84) = 199.25920613805945
Frequency (73/84) = 200.91024633942564
Frequency (74/84) = 202.57496688108503
Frequency (75/84) = 204.25348111685568
Frequency (76/84) = 205.9459033397931
Frequency (77/84) = 207.65234878997256
Frequency (78/84) = 209.3729336623363
Frequency (79/84) = 211.10777511460515

Frequency (80/84) = 212.85699127525615
Frequency (81/84) = 214.6207012515661
Frequency (82/84) = 216.3990251377218
Frequency (83/84) = 218.1920840229975
Frequency (84/84) = 220

Number of semi-tones = 85

Frequency (0/85) = 110
Frequency (1/85) = 110.9006813881691
Frequency (2/85) = 111.8087375669109
Frequency (3/85) = 112.72422892110365
Frequency (4/85) = 113.64721633005774
Frequency (5/85) = 114.57776117156422
Frequency (6/85) = 115.51592532597616
Frequency (7/85) = 116.4617711803238
Frequency (8/85) = 117.41536163246313
Frequency (9/85) = 118.37676009525863
Frequency (10/85) = 119.34603050080008
Frequency (11/85) = 120.32323730465403
Frequency (12/85) = 121.30844549015
Frequency (13/85) = 122.30172057270187
Frequency (14/85) = 123.30312860416453
Frequency (15/85) = 124.31273617722628
Frequency (16/85) = 125.33061042983724
Frequency (17/85) = 126.35681904967386
Frequency (18/85) = 127.39143027864017
Frequency (19/85) = 128.43451291740573
Frequency (20/85) = 129.48613632998095
Frequency (21/85) = 130.54637044832953
Frequency (22/85) = 131.61528577701898
Frequency (23/85) = 132.69295339790915
Frequency (24/85) = 133.77944497487903
Frequency (25/85) = 134.8748327585924
Frequency (26/85) = 135.97918959130226
Frequency (27/85) = 137.09258891169503
Frequency (28/85) = 138.21510475977394
Frequency (29/85) = 139.34681178178278
Frequency (30/85) = 140.48778523516967
Frequency (31/85) = 141.63810099359162
Frequency (32/85) = 142.79783555196022
Frequency (33/85) = 143.96706603152828
Frequency (34/85) = 145.14587018501837
Frequency (35/85) = 146.33432640179342
Frequency (36/85) = 147.53251371306942
Frequency (37/85) = 148.7405117971709
Frequency (38/85) = 149.95840098482967
Frequency (39/85) = 151.18626226452633
Frequency (40/85) = 152.42417728787646
Frequency (41/85) = 153.67222837505992
Frequency (42/85) = 154.9304985202953
Frequency (43/85) = 156.19907139735884
Frequency (44/85) = 157.47803136514884
Frequency (45/85) = 158.7674634732952
Frequency (46/85) = 160.06745346781537
Frequency (47/85) = 161.37808779681615
Frequency (48/85) = 162.6994536162426
Frequency (49/85) = 164.03163879567384
Frequency (50/85) = 165.37473192416604
Frequency (51/85) = 166.72882231614378
Frequency (52/85) = 168.09400001733928

Frequency (53/85) = 169.47035581078035
Frequency (54/85) = 170.85798122282733
Frequency (55/85) = 172.25696852925958
Frequency (56/85) = 173.66741076141173
Frequency (57/85) = 175.08940171236011
Frequency (58/85) = 176.52303594316
Frequency (59/85) = 177.96840878913375
Frequency (60/85) = 179.42561636621053
Frequency (61/85) = 180.89475557731797
Frequency (62/85) = 182.37592411882605
Frequency (63/85) = 183.86922048704395
Frequency (64/85) = 185.3747439847698
Frequency (65/85) = 186.8925947278943
Frequency (66/85) = 188.42287365205837
Frequency (67/85) = 189.96568251936517
Frequency (68/85) = 191.52112392514732
Frequency (69/85) = 193.08930130478922
Frequency (70/85) = 194.6703189406056
Frequency (71/85) = 196.26428196877603
Frequency (72/85) = 197.8712963863365
Frequency (73/85) = 199.491469058228
Frequency (74/85) = 201.12490772440313
Frequency (75/85) = 202.7717210069904
Frequency (76/85) = 204.4320184175178
Frequency (77/85) = 206.1059103641951
Frequency (78/85) = 207.79350815925585
Frequency (79/85) = 209.49492402635957
Frequency (80/85) = 211.2102711080545
Frequency (81/85) = 212.93966347330155
Frequency (82/85) = 214.68321612505974
Frequency (83/85) = 216.4410450079336
Frequency (84/85) = 218.2132670158838
Frequency (85/85) = 220

Number of semi-tones = 86

Frequency (0/86) = 110
Frequency (1/86) = 110.89016608717824
Frequency (2/86) = 111.78753577129072
Frequency (3/86) = 112.69216734686188
Frequency (4/86) = 113.60411958016
Frequency (5/86) = 114.52345171301455
Frequency (6/86) = 115.45022346666475
Frequency (7/86) = 116.38449504563908
Frequency (8/86) = 117.3263271416663
Frequency (9/86) = 118.27578093761804
Frequency (10/86) = 119.23291811148341
Frequency (11/86) = 120.19780084037563
Frequency (12/86) = 121.17049180457118
Frequency (13/86) = 122.15105419158152
Frequency (14/86) = 123.13955170025808
Frequency (15/86) = 124.13604854492992
Frequency (16/86) = 125.14060945957544
Frequency (17/86) = 126.15329970202755
Frequency (18/86) = 127.17418505821283
Frequency (19/86) = 128.20333184642513
Frequency (20/86) = 129.24080692163375
Frequency (21/86) = 130.2866776798264
Frequency (22/86) = 131.34101206238734
Frequency (23/86) = 132.40387856051106
Frequency (24/86) = 133.47534621965136

Frequency (25/86) = 134.55548464400692
Frequency (26/86) = 135.64436400104262
Frequency (27/86) = 136.742055026048
Frequency (28/86) = 137.8486290267321
Frequency (29/86) = 138.96415788785583
Frequency (30/86) = 140.0887140759018
Frequency (31/86) = 141.22237064378157
Frequency (32/86) = 142.3652012355817
Frequency (33/86) = 143.51728009134735
Frequency (34/86) = 144.67868205190535
Frequency (35/86) = 145.84948256372584
Frequency (36/86) = 147.02975768382333
Frequency (37/86) = 148.21958408469766
Frequency (38/86) = 149.41903905931457
Frequency (39/86) = 150.628200526127
Frequency (40/86) = 151.8471470341365
Frequency (41/86) = 153.0759577679961
Frequency (42/86) = 154.31471255315427
Frequency (43/86) = 155.56349186104046
Frequency (44/86) = 156.82237681429254
Frequency (45/86) = 158.09144919202683
Frequency (46/86) = 159.37079143515052
Frequency (47/86) = 160.66048665171715
Frequency (48/86) = 161.96061862232543
Frequency (49/86) = 163.27127180556184
Frequency (50/86) = 164.59253134348708
Frequency (51/86) = 165.92448306716705
Frequency (52/86) = 167.26721350224864
Frequency (53/86) = 168.6208098745805
Frequency (54/86) = 169.98536011587944
Frequency (55/86) = 171.3609528694425
Frequency (56/86) = 172.74767749590552
Frequency (57/86) = 174.14562407904788
Frequency (58/86) = 175.5548834316448
Frequency (59/86) = 176.97554710136646
Frequency (60/86) = 178.40770737672514
Frequency (61/86) = 179.8514572930704
Frequency (62/86) = 181.30689063863295
Frequency (63/86) = 182.77410196061703
Frequency (64/86) = 184.2531865713425
Frequency (65/86) = 185.74424055443646
Frequency (66/86) = 187.247360771075
Frequency (67/86) = 188.7626448662754
Frequency (68/86) = 190.2901912752393
Frequency (69/86) = 191.8300992297473
Frequency (70/86) = 193.38246876460514
Frequency (71/86) = 194.94740072414203
Frequency (72/86) = 196.52499676876184
Frequency (73/86) = 198.11535938154702
Frequency (74/86) = 199.71859187491597
Frequency (75/86) = 201.33479839733457
Frequency (76/86) = 202.96408394008162
Frequency (77/86) = 204.60655434406945
Frequency (78/86) = 206.2623163067193
Frequency (79/86) = 207.93147738889272
Frequency (80/86) = 209.61414602187875
Frequency (81/86) = 211.3104315144379
Frequency (82/86) = 213.02044405990299
Frequency (83/86) = 214.74429474333732
Frequency (84/86) = 216.48209554875123

Frequency (85/86) = 218.2339593663765
Frequency (86/86) = 220

Number of semi-tones = 87

Frequency (0/87) = 110
Frequency (1/87) = 110.87989348016062
Frequency (2/87) = 111.76682525610697
Frequency (3/87) = 112.66085162738969
Frequency (4/87) = 113.56202934390137
Frequency (5/87) = 114.47041560947872
Frequency (6/87) = 115.3860680855338
Frequency (7/87) = 116.30904489471408
Frequency (8/87) = 117.23940462459198
Frequency (9/87) = 118.17720633138372
Frequency (10/87) = 119.1225095436981
Frequency (11/87) = 120.07537426631511
Frequency (12/87) = 121.03586098399492
Frequency (13/87) = 122.00403066531715
Frequency (14/87) = 122.97994476655104
Frequency (15/87) = 123.96366523555653
Frequency (16/87) = 124.95525451571635
Frequency (17/87) = 125.95477554989989
Frequency (18/87) = 126.96229178445854
Frequency (19/87) = 127.97786717325306
Frequency (20/87) = 129.00156618171314
Frequency (21/87) = 130.03345379092949
Frequency (22/87) = 131.07359550177864
Frequency (23/87) = 132.1220573390807
Frequency (24/87) = 133.1789058557904
Frequency (25/87) = 134.24420813722162
Frequency (26/87) = 135.31803180530585
Frequency (27/87) = 136.40044502288455
Frequency (28/87) = 137.49151649803588
Frequency (29/87) = 138.59131548843604
Frequency (30/87) = 139.69991180575568
Frequency (31/87) = 140.81737582009112
Frequency (32/87) = 141.94377846443138
Frequency (33/87) = 143.07919123916062
Frequency (34/87) = 144.22368621659692
Frequency (35/87) = 145.37733604556706
Frequency (36/87) = 146.54021395601808
Frequency (37/87) = 147.71239376366577
Frequency (38/87) = 148.89394987468003
Frequency (39/87) = 150.08495729040817
Frequency (40/87) = 151.2854916121356
Frequency (41/87) = 152.49562904588478
Frequency (42/87) = 153.71544640725267
Frequency (43/87) = 154.94502112628652
Frequency (44/87) = 156.18443125239898
Frequency (45/87) = 157.43375545932244
Frequency (46/87) = 158.69307305010298
Frequency (47/87) = 159.96246396213425
Frequency (48/87) = 161.2420087722316
Frequency (49/87) = 162.53178870174696
Frequency (50/87) = 163.83188562172435
Frequency (51/87) = 165.14238205809687
Frequency (52/87) = 166.46336119692518
Frequency (53/87) = 167.7949068896779
Frequency (54/87) = 169.13710365855414
Frequency (55/87) = 170.49003670184882

Frequency (56/87) = 171.85379189936063
Frequency (57/87) = 173.22845581784364
Frequency (58/87) = 174.61411571650194
Frequency (59/87) = 176.01085955252887
Frequency (60/87) = 177.41877598669012
Frequency (61/87) = 178.83795438895166
Frequency (62/87) = 180.2684848441526
Frequency (63/87) = 181.71045815772354
Frequency (64/87) = 183.16396586145063
Frequency (65/87) = 184.62910021928565
Frequency (66/87) = 186.10595423320268
Frequency (67/87) = 187.59462164910147
Frequency (68/87) = 189.09519696275825
Frequency (69/87) = 190.6077754258239
Frequency (70/87) = 192.13245305187027
Frequency (71/87) = 193.66932662248487
Frequency (72/87) = 195.21849369341422
Frequency (73/87) = 196.78005260075614
Frequency (74/87) = 198.35410246720224
Frequency (75/87) = 199.94074320832954
Frequency (76/87) = 201.540075538943
Frequency (77/87) = 203.1522009794684
Frequency (78/87) = 204.77722186239674
Frequency (79/87) = 206.41524133877974
Frequency (80/87) = 208.06636338477767
Frequency (81/87) = 209.73069280825948
Frequency (82/87) = 211.40833525545546
Frequency (83/87) = 213.0993972176635
Frequency (84/87) = 214.80398603800882
Frequency (85/87) = 216.52220991825752
Frequency (86/87) = 218.2541779256852
Frequency (87/87) = 220

Number of semi-tones = 88

Frequency (0/88) = 110
Frequency (1/88) = 110.86985526091918
Frequency (2/88) = 111.74658914161066
Frequency (3/88) = 112.63025603665254
Frequency (4/88) = 113.52091077076305
Frequency (5/88) = 114.41860860220204
Frequency (6/88) = 115.32340522619913
Frequency (7/88) = 116.23535677840935
Frequency (8/88) = 117.1545198383959
Frequency (9/88) = 118.08095143314037
Frequency (10/88) = 119.01470904058093
Frequency (11/88) = 119.95585059317834
Frequency (12/88) = 120.90443448151026
Frequency (13/88) = 121.86051955789395
Frequency (14/88) = 122.82416514003741
Frequency (15/88) = 123.79543101471984
Frequency (16/88) = 124.77437744150089
Frequency (17/88) = 125.76106515645914
Frequency (18/88) = 126.75555537596047
Frequency (19/88) = 127.75790980045605
Frequency (20/88) = 128.7681906183103
Frequency (21/88) = 129.78646050965924
Frequency (22/88) = 130.8127826502993
Frequency (23/88) = 131.847220715607
Frequency (24/88) = 132.8898388844892
Frequency (25/88) = 133.94070184336536

Frequency (26/88) = 134.99987479018046
Frequency (27/88) = 136.06742343845022
Frequency (28/88) = 137.143414021338
Frequency (29/88) = 138.22791329576415
Frequency (30/88) = 139.32098854654782
Frequency (31/88) = 140.42270759058127
Frequency (32/88) = 141.53313878103748
Frequency (33/88) = 142.65235101161107
Frequency (34/88) = 143.78041372079235
Frequency (35/88) = 144.91739689617572
Frequency (36/88) = 146.06337107880168
Frequency (37/88) = 147.2184073675334
Frequency (38/88) = 148.38257742346786
Frequency (39/88) = 149.555953474382
Frequency (40/88) = 150.7386083192136
Frequency (41/88) = 151.93061533257818
Frequency (42/88) = 153.13204846932123
Frequency (43/88) = 154.34298226910647
Frequency (44/88) = 155.56349186104046
Frequency (45/88) = 156.793652968334
Frequency (46/88) = 158.03354191299982
Frequency (47/88) = 159.28323562058816
Frequency (48/88) = 160.54281162495909
Frequency (49/88) = 161.81234807309298
Frequency (50/88) = 163.09192372993905
Frequency (51/88) = 164.381617983302
Frequency (52/88) = 165.6815108487673
Frequency (53/88) = 166.99168297466588
Frequency (54/88) = 168.31221564707735
Frequency (55/88) = 169.64319079487348
Frequency (56/88) = 170.98469099480113
Frequency (57/88) = 172.33679947660542
Frequency (58/88) = 173.6996001281936
Frequency (59/88) = 175.07317750083968
Frequency (60/88) = 176.4576168144301
Frequency (61/88) = 177.853003962751
Frequency (62/88) = 179.25942551881718
Frequency (63/88) = 180.67696874024352
Frequency (64/88) = 182.10572157465836
Frequency (65/88) = 183.54577266516023
Frequency (66/88) = 184.9972113558172
Frequency (67/88) = 186.46012769721025
Frequency (68/88) = 187.9346124520201
Frequency (69/88) = 189.4207571006583
Frequency (70/88) = 190.9186538469429
Frequency (71/88) = 192.42839562381903
Frequency (72/88) = 193.95007609912466
Frequency (73/88) = 195.48378968140196
Frequency (74/88) = 197.02963152575458
Frequency (75/88) = 198.5876975397514
Frequency (76/88) = 200.15808438937668
Frequency (77/88) = 201.74088950502767
Frequency (78/88) = 203.3362110875592
Frequency (79/88) = 204.94414811437636
Frequency (80/88) = 206.56480034557538
Frequency (81/88) = 208.19826833013286
Frequency (82/88) = 209.84465341214405
Frequency (83/88) = 211.50405773711063
Frequency (84/88) = 213.17658425827776
Frequency (85/88) = 214.8623367430218

Frequency (86/88) = 216.56141977928826
Frequency (87/88) = 218.27393878208048
Frequency (88/88) = 220

Number of semi-tones = 89

Frequency (0/89) = 110
Frequency (1/89) = 110.8600434980189
Frequency (2/89) = 111.72681131256947
Frequency (3/89) = 112.60035601824002
Frequency (4/89) = 113.48073060067729
Frequency (5/89) = 114.36798845980044
Frequency (6/89) = 115.26218341304002
Frequency (7/89) = 116.16336969860225
Frequency (8/89) = 117.07160197875906
Frequency (9/89) = 117.9869353431635
Frequency (10/89) = 118.90942531219136
Frequency (11/89) = 119.83912784030873
Frequency (12/89) = 120.77609931946613
Frequency (13/89) = 121.72039658251879
Frequency (14/89) = 122.67207690667404
Frequency (15/89) = 123.63119801696548
Frequency (16/89) = 124.59781808975436
Frequency (17/89) = 125.57199575625832
Frequency (18/89) = 126.55379010610764
Frequency (19/89) = 127.54326069092953
Frequency (20/89) = 128.54046752796012
Frequency (21/89) = 129.54547110368495
Frequency (22/89) = 130.55833237750784
Frequency (23/89) = 131.57911278544844
Frequency (24/89) = 132.6078742438686
Frequency (25/89) = 133.64467915322814
Frequency (26/89) = 134.68959040186954
Frequency (27/89) = 135.74267136983278
Frequency (28/89) = 136.8039859326995
Frequency (29/89) = 137.87359846546758
Frequency (30/89) = 138.95157384645572
Frequency (31/89) = 140.03797746123877
Frequency (32/89) = 141.13287520661382
Frequency (33/89) = 142.23633349459712
Frequency (34/89) = 143.34841925645233
Frequency (35/89) = 144.4691999467505
Frequency (36/89) = 145.59874354746137
Frequency (37/89) = 146.73711857207698
Frequency (38/89) = 147.88439406976735
Frequency (39/89) = 149.04063962956886
Frequency (40/89) = 150.20592538460514
Frequency (41/89) = 151.38032201634098
Frequency (42/89) = 152.56390075886972
Frequency (43/89) = 153.75673340323397
Frequency (44/89) = 154.95889230178008
Frequency (45/89) = 156.17045037254698
Frequency (46/89) = 157.39148110368873
Frequency (47/89) = 158.6220585579323
Frequency (48/89) = 159.86225737706977
Frequency (49/89) = 161.11215278648586
Frequency (50/89) = 162.37182059972082
Frequency (51/89) = 163.6413372230688
Frequency (52/89) = 164.92077966021265
Frequency (53/89) = 166.2102255168942
Frequency (54/89) = 167.50975300562203

Frequency (55/89) = 168.81944095041507
Frequency (56/89) = 170.13936879158408
Frequency (57/89) = 171.46961659054992
Frequency (58/89) = 172.81026503469988
Frequency (59/89) = 174.16139544228182
Frequency (60/89) = 175.52308976733667
Frequency (61/89) = 176.8954306046693
Frequency (62/89) = 178.27850119485836
Frequency (63/89) = 179.67238542930556
Frequency (64/89) = 181.07716785532392
Frequency (65/89) = 182.49293368126618
Frequency (66/89) = 183.91976878169314
Frequency (67/89) = 185.35775970258254
Frequency (68/89) = 186.8069936665785
Frequency (69/89) = 188.26755857828212
Frequency (70/89) = 189.73954302958342
Frequency (71/89) = 191.22303630503498
Frequency (72/89) = 192.71812838726748
Frequency (73/89) = 194.22490996244787
Frequency (74/89) = 195.74347242577977
Frequency (75/89) = 197.27390788704733
Frequency (76/89) = 198.8163091762022
Frequency (77/89) = 200.3707698489941
Frequency (78/89) = 201.93738419264562
Frequency (79/89) = 203.51624723157133
Frequency (80/89) = 205.1074547331415
Frequency (81/89) = 206.71110321349101
Frequency (82/89) = 208.3272899433735
Frequency (83/89) = 209.95611295406167
Frequency (84/89) = 211.59767104329313
Frequency (85/89) = 213.25206378126336
Frequency (86/89) = 214.9193915166651
Frequency (87/89) = 216.59975538277493
Frequency (88/89) = 218.293257303588
Frequency (89/89) = 220

Number of semi-tones = 90

Frequency (0/90) = 110
Frequency (1/90) = 110.85045061388666
Frequency (2/90) = 111.70747637547025
Frequency (3/90) = 112.57112811964525
Frequency (4/90) = 113.44145707432949
Frequency (5/90) = 114.31851486350277
Frequency (6/90) = 115.20235351026894
Frequency (7/90) = 116.09302543994164
Frequency (8/90) = 116.99058348315398
Frequency (9/90) = 117.89508087899225
Frequency (10/90) = 118.80657127815367
Frequency (11/90) = 119.72510874612892
Frequency (12/90) = 120.65074776640884
Frequency (13/90) = 121.58354324371636
Frequency (14/90) = 122.52355050726307
Frequency (15/90) = 123.47082531403103
Frequency (16/90) = 124.42542385208023
Frequency (17/90) = 125.38740274388124
Frequency (18/90) = 126.35681904967386
Frequency (19/90) = 127.33373027085169
Frequency (20/90) = 128.31819435337283
Frequency (21/90) = 129.31026969119696
Frequency (22/90) = 130.31001512974905

Frequency (23/90) = 131.31748996940973
Frequency (24/90) = 132.33275396903284
Frequency (25/90) = 133.3558673494899
Frequency (26/90) = 134.3868907972423
Frequency (27/90) = 135.4258854679408
Frequency (28/90) = 136.47291299005312
Frequency (29/90) = 137.52803546851942
Frequency (30/90) = 138.59131548843604
Frequency (31/90) = 139.66281611876786
Frequency (32/90) = 140.7426009160892
Frequency (33/90) = 141.8307339283537
Frequency (34/90) = 142.9272796986934
Frequency (35/90) = 144.03230326924708
Frequency (36/90) = 145.14587018501837
Frequency (37/90) = 146.2680464977635
Frequency (38/90) = 147.39889876990918
Frequency (39/90) = 148.53849407850092
Frequency (40/90) = 149.68690001918145
Frequency (41/90) = 150.8441847102006
Frequency (42/90) = 152.01041679645536
Frequency (43/90) = 153.18566545356185
Frequency (44/90) = 154.3700003919584
Frequency (45/90) = 155.56349186104046
Frequency (46/90) = 156.7662106533275
Frequency (47/90) = 157.97822810866214
Frequency (48/90) = 159.1996161184416
Frequency (49/90) = 160.43044712988205
Frequency (50/90) = 161.67079415031588
Frequency (51/90) = 162.92073075152206
Frequency (52/90) = 164.1803310740902
Frequency (53/90) = 165.4496698318182
Frequency (54/90) = 166.72882231614378
Frequency (55/90) = 168.01786440061076
Frequency (56/90) = 169.31687254536916
Frequency (57/90) = 170.6259238017108
Frequency (58/90) = 171.9450958166394
Frequency (59/90) = 173.27446683747633
Frequency (60/90) = 174.61411571650194
Frequency (61/90) = 175.96412191563266
Frequency (62/90) = 177.32456551113427
Frequency (63/90) = 178.6955271983718
Frequency (64/90) = 180.07708829659597
Frequency (65/90) = 181.46933075376654
Frequency (66/90) = 182.87233715141332
Frequency (67/90) = 184.2861907095343
Frequency (68/90) = 185.71097529153212
Frequency (69/90) = 187.14677540918825
Frequency (70/90) = 188.593676227676
Frequency (71/90) = 190.05176357061214
Frequency (72/90) = 191.52112392514732
Frequency (73/90) = 193.00184444709646
Frequency (74/90) = 194.4940129661082
Frequency (75/90) = 195.99771799087463
Frequency (76/90) = 197.51304871438123
Frequency (77/90) = 199.04009501919734
Frequency (78/90) = 200.5789474828077
Frequency (79/90) = 202.12969738298492
Frequency (80/90) = 203.69243670320387
Frequency (81/90) = 205.26725813809762
Frequency (82/90) = 206.8542550989556

Frequency (83/90) = 208.4535217192645
Frequency (84/90) = 210.06515286029165
Frequency (85/90) = 211.68924411671193
Frequency (86/90) = 213.32589182227795
Frequency (87/90) = 214.9751930555341
Frequency (88/90) = 216.63724564557486
Frequency (89/90) = 218.31214817784758
Frequency (90/90) = 220

Number of semi-tones = 91

Frequency (0/91) = 110
Frequency (1/91) = 110.84106936529473
Frequency (2/91) = 111.68856961856434
Frequency (3/91) = 112.54254993092584
Frequency (4/91) = 113.40305984946268
Frequency (5/91) = 114.27014930009966
Frequency (6/91) = 115.1438685904994
Frequency (7/91) = 116.02426841298113
Frequency (8/91) = 116.91139984746198
Frequency (9/91) = 117.80531436442035
Frequency (10/91) = 118.70606382788246
Frequency (11/91) = 119.61370049843113
Frequency (12/91) = 120.52827703623812
Frequency (13/91) = 121.44984650411935
Frequency (14/91) = 122.37846237061355
Frequency (15/91) = 123.31417851308444
Frequency (16/91) = 124.25704922084665
Frequency (17/91) = 125.2071291983155
Frequency (18/91) = 126.16447356818097
Frequency (19/91) = 127.12913787460585
Frequency (20/91) = 128.10117808644821
Frequency (21/91) = 129.0806506005089
Frequency (22/91) = 130.06761224480346
Frequency (23/91) = 131.06212028185925
Frequency (24/91) = 132.06423241203785
Frequency (25/91) = 133.07400677688267
Frequency (26/91) = 134.0915019624923
Frequency (27/91) = 135.11677700291966
Frequency (28/91) = 136.1498913835971
Frequency (29/91) = 137.19090504478754
Frequency (30/91) = 138.23987838506233
Frequency (31/91) = 139.2968722648055
Frequency (32/91) = 140.3619480097446
Frequency (33/91) = 141.435167414509
Frequency (34/91) = 142.51659274621517
Frequency (35/91) = 143.60628674807904
Frequency (36/91) = 144.70431264305668
Frequency (37/91) = 145.8107341375122
Frequency (38/91) = 146.92561542491399
Frequency (39/91) = 148.04902118955917
Frequency (40/91) = 149.18101661032654
Frequency (41/91) = 150.32166736445808
Frequency (42/91) = 151.47103963136965
Frequency (43/91) = 152.62920009649045
Frequency (44/91) = 153.79621595513225
Frequency (45/91) = 154.97215491638784
Frequency (46/91) = 156.1570852070595
Frequency (47/91) = 157.35107557561747
Frequency (48/91) = 158.55419529618862
Frequency (49/91) = 159.76651417257577

Frequency (50/91) = 160.98810254230742
Frequency (51/91) = 162.21903128071887
Frequency (52/91) = 163.45937180506434
Frequency (53/91) = 164.70919607866034
Frequency (54/91) = 165.96857661506112
Frequency (55/91) = 167.23758648226564
Frequency (56/91) = 168.51629930695714
Frequency (57/91) = 169.8047892787746
Frequency (58/91) = 171.10313115461736
Frequency (59/91) = 172.4114002629824
Frequency (60/91) = 173.72967250833477
Frequency (61/91) = 175.05802437551156
Frequency (62/91) = 176.3965329341594
Frequency (63/91) = 177.745275843206
Frequency (64/91) = 179.10433135536584
Frequency (65/91) = 180.47377832168036
Frequency (66/91) = 181.8536961960927
Frequency (67/91) = 183.24416504005768
Frequency (68/91) = 184.6452655271868
Frequency (69/91) = 186.0570789479289
Frequency (70/91) = 187.4796872142864
Frequency (71/91) = 188.913172864568
Frequency (72/91) = 190.35761906817723
Frequency (73/91) = 191.81310963043805
Frequency (74/91) = 193.27972899745697
Frequency (75/91) = 194.75756226102268
Frequency (76/91) = 196.24669516354294
Frequency (77/91) = 197.74721410301922
Frequency (78/91) = 199.25920613805945
Frequency (79/91) = 200.78275899292922
Frequency (80/91) = 202.3179610626411
Frequency (81/91) = 203.86490141808363
Frequency (82/91) = 205.42366981118892
Frequency (83/91) = 206.99435668013993
Frequency (84/91) = 208.57705315461774
Frequency (85/91) = 210.17185106108866
Frequency (86/91) = 211.77884292813198
Frequency (87/91) = 213.3981219918085
Frequency (88/91) = 215.02978220106976
Frequency (89/91) = 216.67391822320903
Frequency (90/91) = 218.33062544935373
Frequency (91/91) = 220

Number of semi-tones = 92

Frequency (0/92) = 110
Frequency (1/92) = 110.83189282512149
Frequency (2/92) = 111.67007697453833
Frequency (3/92) = 112.51460002740998
Frequency (4/92) = 113.36550992272103
Frequency (5/92) = 114.2228549620024
Frequency (6/92) = 115.08668381207312
Frequency (7/92) = 115.95704550780303
Frequency (8/92) = 116.83398945489601
Frequency (9/92) = 117.71756543269461
Frequency (10/92) = 118.60782359700576
Frequency (11/92) = 119.50481448294781
Frequency (12/92) = 120.40858900781906
Frequency (13/92) = 121.31919847398821
Frequency (14/92) = 122.2366945718064
Frequency (15/92) = 123.16112938254142

Frequency (16/92) = 124.09255538133408
Frequency (17/92) = 125.03102544017702
Frequency (18/92) = 125.97659283091579
Frequency (19/92) = 126.92931122827297
Frequency (20/92) = 127.88923471289489
Frequency (21/92) = 128.85641777442157
Frequency (22/92) = 129.83091531457976
Frequency (23/92) = 130.8127826502993
Frequency (24/92) = 131.8020755168535
Frequency (25/92) = 132.7988500710225
Frequency (26/92) = 133.8031628942813
Frequency (27/92) = 134.81507099601143
Frequency (28/92) = 135.8346318167371
Frequency (29/92) = 136.86190323138587
Frequency (30/92) = 137.89694355257367
Frequency (31/92) = 138.93981153391522
Frequency (32/92) = 139.9905663733588
Frequency (33/92) = 141.0492677165469
Frequency (34/92) = 142.11597566020177
Frequency (35/92) = 143.19075075553684
Frequency (36/92) = 144.27365401169402
Frequency (37/92) = 145.36474689920666
Frequency (38/92) = 146.46409135348893
Frequency (39/92) = 147.5717497783517
Frequency (40/92) = 148.68778504954471
Frequency (41/92) = 149.81226051832584
Frequency (42/92) = 150.94524001505698
Frequency (43/92) = 152.0867878528276
Frequency (44/92) = 153.23696883110523
Frequency (45/92) = 154.39584823941397
Frequency (46/92) = 155.56349186104046
Frequency (47/92) = 156.73996597676813
Frequency (48/92) = 157.92533736863956
Frequency (49/92) = 159.1196733237474
Frequency (50/92) = 160.32304163805375
Frequency (51/92) = 161.53551062023877
Frequency (52/92) = 162.75714909557794
Frequency (53/92) = 163.98802640984923
Frequency (54/92) = 165.2282124332691
Frequency (55/92) = 166.47777756445896
Frequency (56/92) = 167.73679273444117
Frequency (57/92) = 169.00532941066547
Frequency (58/92) = 170.2834596010657
Frequency (59/92) = 171.57125585814742
Frequency (60/92) = 172.8687912831063
Frequency (61/92) = 174.17613952997755
Frequency (62/92) = 175.49337480981708
Frequency (63/92) = 176.82057189491383
Frequency (64/92) = 178.1578061230343
Frequency (65/92) = 179.50515340169923
Frequency (66/92) = 180.86269021249197
Frequency (67/92) = 182.23049361540052
Frequency (68/92) = 183.60864125319142
Frequency (69/92) = 184.9972113558172
Frequency (70/92) = 186.3962827448571
Frequency (71/92) = 187.8059348379913
Frequency (72/92) = 189.22624765350906
Frequency (73/92) = 190.65730181485102
Frequency (74/92) = 192.09917855518555
Frequency (75/92) = 193.55195972202

Frequency (76/92) = 195.01572778184683
Frequency (77/92) = 196.49056582482467
Frequency (78/92) = 197.97655756949496
Frequency (79/92) = 199.47378736753416
Frequency (80/92) = 200.98234020854198
Frequency (81/92) = 202.50230172486573
Frequency (82/92) = 204.03375819646118
Frequency (83/92) = 205.57679655579037
Frequency (84/92) = 207.131504392756
Frequency (85/92) = 208.69796995967374
Frequency (86/92) = 210.27628217628168
Frequency (87/92) = 211.86653063478775
Frequency (88/92) = 213.4688056049556
Frequency (89/92) = 215.08319803922845
Frequency (90/92) = 216.70979957789226
Frequency (91/92) = 218.34870255427737
Frequency (92/92) = 220

Number of semi-tones = 93

Frequency (0/93) = 110
Frequency (1/93) = 110.82291436529343
Frequency (2/93) = 111.65198498561055
Frequency (3/93) = 112.48725791613951
Frequency (4/93) = 113.32877955660915
Frequency (5/93) = 114.1765966538665
Frequency (6/93) = 115.03075630447358
Frequency (7/93) = 115.89130595732377
Frequency (8/93) = 116.75829341627738
Frequency (9/93) = 117.6317668428174
Frequency (10/93) = 118.51177475872468
Frequency (11/93) = 119.39836604877355
Frequency (12/93) = 120.29158996344718
Frequency (13/93) = 121.19149612167361
Frequency (14/93) = 122.09813451358205
Frequency (15/93) = 123.01155550327987
Frequency (16/93) = 123.93180983165021
Frequency (17/93) = 124.85894861917093
Frequency (18/93) = 125.79302336875413
Frequency (19/93) = 126.73408596860722
Frequency (20/93) = 127.68218869511541
Frequency (21/93) = 128.63738421574556
Frequency (22/93) = 129.599725591972
Frequency (23/93) = 130.56926628222402
Frequency (24/93) = 131.54606014485552
Frequency (25/93) = 132.53016144113695
Frequency (26/93) = 133.5216248382694
Frequency (27/93) = 134.5205054124215
Frequency (28/93) = 135.5268586517889
Frequency (29/93) = 136.54074045967664
Frequency (30/93) = 137.56220715760455
Frequency (31/93) = 138.59131548843604
Frequency (32/93) = 139.62812261953013
Frequency (33/93) = 140.67268614591708
Frequency (34/93) = 141.7250640934979
Frequency (35/93) = 142.78531492226764
Frequency (36/93) = 143.85349752956293
Frequency (37/93) = 144.92967125333365
Frequency (38/93) = 146.01389587543935
Frequency (39/93) = 147.10623162496987
Frequency (40/93) = 148.20673918159142

Frequency (41/93) = 149.31547967891714
Frequency (42/93) = 150.43251470790315
Frequency (43/93) = 151.55790632026995
Frequency (44/93) = 152.69171703194948
Frequency (45/93) = 153.83400982655778
Frequency (46/93) = 154.9848481588938
Frequency (47/93) = 156.14429595846448
Frequency (48/93) = 157.31241763303586
Frequency (49/93) = 158.48927807221102
Frequency (50/93) = 159.67494265103474
Frequency (51/93) = 160.8694772336251
Frequency (52/93) = 162.07294817683234
Frequency (53/93) = 163.28542233392483
Frequency (54/93) = 164.50696705830293
Frequency (55/93) = 165.7376502072405
Frequency (56/93) = 166.9775401456543
Frequency (57/93) = 168.22670574990175
Frequency (58/93) = 169.48521641160707
Frequency (59/93) = 170.75314204151599
Frequency (60/93) = 172.03055307337917
Frequency (61/93) = 173.31752046786517
Frequency (62/93) = 174.61411571650194
Frequency (63/93) = 175.92041084564846
Frequency (64/93) = 177.2364784204958
Frequency (65/93) = 178.56239154909807
Frequency (66/93) = 179.89822388643356
Frequency (67/93) = 181.24404963849648
Frequency (68/93) = 182.59994356641897
Frequency (69/93) = 183.96598099062422
Frequency (70/93) = 185.34223779501042
Frequency (71/93) = 186.7287904311663
Frequency (72/93) = 188.12571592261787
Frequency (73/93) = 189.53309186910727
Frequency (74/93) = 190.95099645090335
Frequency (75/93) = 192.37950843314468
Frequency (76/93) = 193.8187071702149
Frequency (77/93) = 195.26867261015101
Frequency (78/93) = 196.72948529908442
Frequency (79/93) = 198.2012263857153
Frequency (80/93) = 199.6839776258206
Frequency (81/93) = 201.17782138679533
Frequency (82/93) = 202.68284065222835
Frequency (83/93) = 204.19911902651197
Frequency (84/93) = 205.72674073948633
Frequency (85/93) = 207.26579065111835
Frequency (86/93) = 208.8163542562157
Frequency (87/93) = 210.37851768917608
Frequency (88/93) = 211.95236772877212
Frequency (89/93) = 213.53799180297176
Frequency (90/93) = 215.1354779937952
Frequency (91/93) = 216.7449150422076
Frequency (92/93) = 218.36639235304884
Frequency (93/93) = 220

Number of semi-tones = 94

Frequency (0/94) = 110
Frequency (1/94) = 110.81412764081999
Frequency (2/94) = 111.63428077087222
Frequency (3/94) = 112.46050398576884
Frequency (4/94) = 113.2928422111812

Frequency (5/94) = 114.13134070528285
Frequency (6/94) = 114.97604506121024
Frequency (7/94) = 115.82700120954205
Frequency (8/94) = 116.68425542079638
Frequency (9/94) = 117.54785430794703
Frequency (10/94) = 118.41784482895775
Frequency (11/94) = 119.29427428933582
Frequency (12/94) = 120.1771903447041
Frequency (13/94) = 121.06664100339238
Frequency (14/94) = 121.96267462904774
Frequency (15/94) = 122.86533994326452
Frequency (16/94) = 123.7746860282332
Frequency (17/94) = 124.69076232940957
Frequency (18/94) = 125.61361865820311
Frequency (19/94) = 126.54330519468552
Frequency (20/94) = 127.47987249031927
Frequency (21/94) = 128.42337147070634
Frequency (22/94) = 129.3738534383572
Frequency (23/94) = 130.33137007548046
Frequency (24/94) = 131.2959734467931
Frequency (25/94) = 132.26771600235128
Frequency (26/94) = 133.24665058040262
Frequency (27/94) = 134.23283041025888
Frequency (28/94) = 135.22630911519062
Frequency (29/94) = 136.22714071534287
Frequency (30/94) = 137.23537963067227
Frequency (31/94) = 138.2510806839064
Frequency (32/94) = 139.2742991035246
Frequency (33/94) = 140.30509052676106
Frequency (34/94) = 141.34351100263004
Frequency (35/94) = 142.38961699497355
Frequency (36/94) = 143.44346538553154
Frequency (37/94) = 144.50511347703488
Frequency (38/94) = 145.5746189963211
Frequency (39/94) = 146.6520400974733
Frequency (40/94) = 147.73743536498236
Frequency (41/94) = 148.83086381693226
Frequency (42/94) = 149.93238490820937
Frequency (43/94) = 151.04205853373512
Frequency (44/94) = 152.15994503172297
Frequency (45/94) = 153.28610518695913
Frequency (46/94) = 154.42060023410772
Frequency (47/94) = 155.56349186104046
Frequency (48/94) = 156.7148422121909
Frequency (49/94) = 157.87471389193354
Frequency (50/94) = 159.0431699679878
Frequency (51/94) = 160.22027397484754
Frequency (52/94) = 161.4060899172355
Frequency (53/94) = 162.60068227358366
Frequency (54/94) = 163.80411599953925
Frequency (55/94) = 165.0164565314966
Frequency (56/94) = 166.23776979015534
Frequency (57/94) = 167.46812218410474
Frequency (58/94) = 168.70758061343474
Frequency (59/94) = 169.9562124733735
Frequency (60/94) = 171.21408565795215
Frequency (61/94) = 172.48126856369632
Frequency (62/94) = 173.75783009334543
Frequency (63/94) = 175.04383965959903
Frequency (64/94) = 176.33936718889123

Frequency (65/94) = 177.6444831251929
Frequency (66/94) = 178.959258433842
Frequency (67/94) = 180.28376460540233
Frequency (68/94) = 181.6180736595509
Frequency (69/94) = 182.9622581489938
Frequency (70/94) = 184.31639116341145
Frequency (71/94) = 185.68054633343255
Frequency (72/94) = 187.05479783463807
Frequency (73/94) = 188.43922039159418
Frequency (74/94) = 189.83388928191573
Frequency (75/94) = 191.23888034035906
Frequency (76/94) = 192.6542699629459
Frequency (77/94) = 194.08013511111171
Frequency (78/94) = 195.51655331591743
Frequency (79/94) = 196.9636026822115
Frequency (80/94) = 198.42136189293038
Frequency (81/94) = 199.8899102133502
Frequency (82/94) = 201.36932749540213
Frequency (83/94) = 202.85969418201432
Frequency (84/94) = 204.36109131148584
Frequency (85/94) = 205.8736005218933
Frequency (86/94) = 207.39730405552973
Frequency (87/94) = 208.93228476337657
Frequency (88/94) = 210.47862610960874
Frequency (89/94) = 212.0364121761328
Frequency (90/94) = 213.6057276671591
Frequency (91/94) = 215.1866579138073
Frequency (92/94) = 216.77928887874646
Frequency (93/94) = 218.38370716086908
Frequency (94/94) = 220

Number of semi-tones = 95

Frequency (0/95) = 110
Frequency (1/95) = 110.8055265748402
Frequency (2/95) = 111.6169519957056
Frequency (3/95) = 112.434319459662
Frequency (4/95) = 113.25767248010591
Frequency (5/95) = 114.0870548890811
Frequency (6/95) = 114.92251083961209
Frequency (7/95) = 115.76408480805453
Frequency (8/95) = 116.61182159646309
Frequency (9/95) = 117.46576633497651
Frequency (10/95) = 118.32596448422007
Frequency (11/95) = 119.19246183772584
Frequency (12/95) = 120.06530452437053
Frequency (13/95) = 120.9445390108311
Frequency (14/95) = 121.83021210405855
Frequency (15/95) = 122.7223709537698
Frequency (16/95) = 123.6210630549576
Frequency (17/95) = 124.52633625041909
Frequency (18/95) = 125.43823873330271
Frequency (19/95) = 126.35681904967386
Frequency (20/95) = 127.28212610109918
Frequency (21/95) = 128.21420914725005
Frequency (22/95) = 129.15311780852485
Frequency (23/95) = 130.09890206869062
Frequency (24/95) = 131.0516122775439
Frequency (25/95) = 132.01129915359135
Frequency (26/95) = 132.9780137867495
Frequency (27/95) = 133.95180764106487

Frequency (28/95) = 134.93273255745362
Frequency (29/95) = 135.9208407564612
Frequency (30/95) = 136.91618484104256
Frequency (31/95) = 137.9188177993625
Frequency (32/95) = 138.9287930076164
Frequency (33/95) = 139.94616423287192
Frequency (34/95) = 140.97098563593127
Frequency (35/95) = 142.00331177421455
Frequency (36/95) = 143.04319760466404
Frequency (37/95) = 144.0906984866702
Frequency (38/95) = 145.14587018501837
Frequency (39/95) = 146.2087688728578
Frequency (40/95) = 147.27945113469195
Frequency (41/95) = 148.3579739693908
Frequency (42/95) = 149.44439479322529
Frequency (43/95) = 150.53877144292395
Frequency (44/95) = 151.64116217875184
Frequency (45/95) = 152.75162568761218
Frequency (46/95) = 153.8702210861705
Frequency (47/95) = 154.99700792400182
Frequency (48/95) = 156.13204618676093
Frequency (49/95) = 157.2753962993756
Frequency (50/95) = 158.42711912926347
Frequency (51/95) = 159.58727598957253
Frequency (52/95) = 160.7559286424449
Frequency (53/95) = 161.9331393023049
Frequency (54/95) = 163.11897063917132
Frequency (55/95) = 164.31348578199342
Frequency (56/95) = 165.5167483220118
Frequency (57/95) = 166.72882231614378
Frequency (58/95) = 167.94977229039347
Frequency (59/95) = 169.17966324328685
Frequency (60/95) = 170.4185606493321
Frequency (61/95) = 171.66653046250534
Frequency (62/95) = 172.92363911976136
Frequency (63/95) = 174.18995354457084
Frequency (64/95) = 175.46554115048295
Frequency (65/95) = 176.75046984471413
Frequency (66/95) = 178.0448080317633
Frequency (67/95) = 179.34862461705333
Frequency (68/95) = 180.66198901059948
Frequency (69/95) = 181.98497113070428
Frequency (70/95) = 183.3176414076798
Frequency (71/95) = 184.6600707875972
Frequency (72/95) = 186.01233073606338
Frequency (73/95) = 187.37449324202575
Frequency (74/95) = 188.74663082160455
Frequency (75/95) = 190.12881652195324
Frequency (76/95) = 191.52112392514732
Frequency (77/95) = 192.92362715210155
Frequency (78/95) = 194.33640086651593
Frequency (79/95) = 195.75952027885026
Frequency (80/95) = 197.19306115032828
Frequency (81/95) = 198.6370997969708
Frequency (82/95) = 200.09171309365848
Frequency (83/95) = 201.55697847822432
Frequency (84/95) = 203.03297395557615
Frequency (85/95) = 204.5197781018494
Frequency (86/95) = 206.01747006858994
Frequency (87/95) = 207.52612958696804

Frequency (88/95) = 209.0458369720229
Frequency (89/95) = 210.57667312693815
Frequency (90/95) = 212.11871954734892
Frequency (91/95) = 213.6720583256804
Frequency (92/95) = 215.23677215551805
Frequency (93/95) = 216.81294433600982
Frequency (94/95) = 218.40065877630076
Frequency (95/95) = 220

Number of semi-tones = 96

Frequency (0/96) = 110
Frequency (1/96) = 110.79710534460743
Frequency (2/96) = 111.59998684312761
Frequency (3/96) = 112.40868635195282
Frequency (4/96) = 113.22324603078413
Frequency (5/96) = 114.04370834482904
Frequency (6/96) = 114.87011606701552
Frequency (7/96) = 115.70251228022184
Frequency (8/96) = 116.54094037952248
Frequency (9/96) = 117.3854440744506
Frequency (10/96) = 118.2360673912766
Frequency (11/96) = 119.09285467530343
Frequency (12/96) = 119.95585059317834
Frequency (13/96) = 120.82510013522155
Frequency (14/96) = 121.70064861777168
Frequency (15/96) = 122.58254168554816
Frequency (16/96) = 123.47082531403103
Frequency (17/96) = 124.36554581185743
Frequency (18/96) = 125.26674982323607
Frequency (19/96) = 126.17448433037885
Frequency (20/96) = 127.08879665595002
Frequency (21/96) = 128.0097344655335
Frequency (22/96) = 128.93734577011767
Frequency (23/96) = 129.8716789285982
Frequency (24/96) = 130.8127826502993
Frequency (25/96) = 131.76070599751316
Frequency (26/96) = 132.7154983880574
Frequency (27/96) = 133.67720959785157
Frequency (28/96) = 134.6458897635121
Frequency (29/96) = 135.6215893849659
Frequency (30/96) = 136.60435932808323
Frequency (31/96) = 137.59425082732952
Frequency (32/96) = 138.59131548843604
Frequency (33/96) = 139.59560529109066
Frequency (34/96) = 140.60717259164736
Frequency (35/96) = 141.6260701258559
Frequency (36/96) = 142.65235101161107
Frequency (37/96) = 143.6860687517217
Frequency (38/96) = 144.72727723670013
Frequency (39/96) = 145.77603074757155
Frequency (40/96) = 146.8323839587038
Frequency (41/96) = 147.89639194065774
Frequency (42/96) = 148.96811016305818
Frequency (43/96) = 150.04759449748585
Frequency (44/96) = 151.1349012203898
Frequency (45/96) = 152.2300870160215
Frequency (46/96) = 153.33320897938992
Frequency (47/96) = 154.44432461923793
Frequency (48/96) = 155.56349186104046
Frequency (49/96) = 156.69076905002436

Frequency (50/96) = 157.82621495421003
Frequency (51/96) = 158.96988876747514
Frequency (52/96) = 160.1218501126406
Frequency (53/96) = 161.28215904457895
Frequency (54/96) = 162.45087605334493
Frequency (55/96) = 163.6280620673293
Frequency (56/96) = 164.81377845643496
Frequency (57/96) = 166.0080870352765
Frequency (58/96) = 167.21105006640263
Frequency (59/96) = 168.42273026354218
Frequency (60/96) = 169.64319079487348
Frequency (61/96) = 170.8724952863176
Frequency (62/96) = 172.11070782485515
Frequency (63/96) = 173.35789296186752
Frequency (64/96) = 174.61411571650194
Frequency (65/96) = 175.87944157906125
Frequency (66/96) = 177.15393651441798
Frequency (67/96) = 178.4376669654533
Frequency (68/96) = 179.730699856521
Frequency (69/96) = 181.03310259693615
Frequency (70/96) = 182.3449430844896
Frequency (71/96) = 183.66628970898768
Frequency (72/96) = 184.9972113558172
Frequency (73/96) = 186.33777740953713
Frequency (74/96) = 187.68805775749541
Frequency (75/96) = 189.04812279347257
Frequency (76/96) = 190.41804342135146
Frequency (77/96) = 191.79789105881375
Frequency (78/96) = 193.18773764106294
Frequency (79/96) = 194.58765562457484
Frequency (80/96) = 195.99771799087463
Frequency (81/96) = 197.41799825034178
Frequency (82/96) = 198.8485704460422
Frequency (83/96) = 200.28950915758847
Frequency (84/96) = 201.74088950502767
Frequency (85/96) = 203.2027871527578
Frequency (86/96) = 204.67527831347226
Frequency (87/96) = 206.158439752133
Frequency (88/96) = 207.65234878997256
Frequency (89/96) = 209.15708330852507
Frequency (90/96) = 210.6727217536862
Frequency (91/96) = 212.19934313980306
Frequency (92/96) = 213.7370270537933
Frequency (93/96) = 215.28585365929402
Frequency (94/96) = 216.84590370084126
Frequency (95/96) = 218.41725850807916
Frequency (96/96) = 220

Number of semi-tones = 97

Frequency (0/97) = 110
Frequency (1/97) = 110.78885836834411
Frequency (2/97) = 111.58337398691825
Frequency (3/97) = 112.38358742635143
Frequency (4/97) = 113.1895395482224
Frequency (5/97) = 114.00127150714628
Frequency (6/97) = 114.81882475287613
Frequency (7/97) = 115.64224103241921
Frequency (8/97) = 116.4715623921691
Frequency (9/97) = 117.30683118005251
Frequency (10/97) = 118.1480900476917

Frequency (11/97) = 118.99538195258253
Frequency (12/97) = 119.84875016028796
Frequency (13/97) = 120.70823824664728
Frequency (14/97) = 121.57389010000128
Frequency (15/97) = 122.44574992343337
Frequency (16/97) = 123.32386223702672
Frequency (17/97) = 124.20827188013756
Frequency (18/97) = 125.09902401368488
Frequency (19/97) = 125.99616412245646
Frequency (20/97) = 126.89973801743152
Frequency (21/97) = 127.80979183811992
Frequency (22/97) = 128.72637205491824
Frequency (23/97) = 129.64952547148278
Frequency (24/97) = 130.57929922711932
Frequency (25/97) = 131.5157407991904
Frequency (26/97) = 132.45889800553962
Frequency (27/97) = 133.40881900693333
Frequency (28/97) = 134.36555230951987
Frequency (29/97) = 135.3291467673066
Frequency (30/97) = 136.29965158465438
Frequency (31/97) = 137.2771163187902
Frequency (32/97) = 138.26159088233769
Frequency (33/97) = 139.25312554586586
Frequency (34/97) = 140.2517709404561
Frequency (35/97) = 141.25757806028753
Frequency (36/97) = 142.27059826524098
Frequency (37/97) = 143.29088328352148
Frequency (38/97) = 144.31848521429984
Frequency (39/97) = 145.353456530373
Frequency (40/97) = 146.3958500808432
Frequency (41/97) = 147.44571909381702
Frequency (42/97) = 148.5031171791231
Frequency (43/97) = 149.5680983310498
Frequency (44/97) = 150.64071693110216
Frequency (45/97) = 151.721027750779
Frequency (46/97) = 152.8090859543696
Frequency (47/97) = 153.9049471017707
Frequency (48/97) = 155.0086671513233
Frequency (49/97) = 156.12030246267042
Frequency (50/97) = 157.23990979963486
Frequency (51/97) = 158.36754633311773
Frequency (52/97) = 159.50326964401773
Frequency (53/97) = 160.6471377261716
Frequency (54/97) = 161.79920898931542
Frequency (55/97) = 162.959542262067
Frequency (56/97) = 164.1281967949302
Frequency (57/97) = 165.30523226332028
Frequency (58/97) = 166.49070877061104
Frequency (59/97) = 167.68468685120408
Frequency (60/97) = 168.88722747361982
Frequency (61/97) = 170.09839204361072
Frequency (62/97) = 171.31824240729685
Frequency (63/97) = 172.54684085432413
Frequency (64/97) = 173.78425012104475
Frequency (65/97) = 175.03053339372102
Frequency (66/97) = 176.28575431175162
Frequency (67/97) = 177.54997697092142
Frequency (68/97) = 178.82326592667425
Frequency (69/97) = 180.1056861974095
Frequency (70/97) = 181.39730326780207

Frequency (71/97) = 182.69818309214622
Frequency (72/97) = 184.00839209772352
Frequency (73/97) = 185.32799718819467
Frequency (74/97) = 186.6570657470161
Frequency (75/97) = 187.99566564088056
Frequency (76/97) = 189.3438652231826
Frequency (77/97) = 190.70173333750918
Frequency (78/97) = 192.06933932115479
Frequency (79/97) = 193.4467530086622
Frequency (80/97) = 194.83404473538835
Frequency (81/97) = 196.23128534109597
Frequency (82/97) = 197.6385461735709
Frequency (83/97) = 199.05589909226524
Frequency (84/97) = 200.483416471967
Frequency (85/97) = 201.9211712064954
Frequency (86/97) = 203.36923671242343
Frequency (87/97) = 204.8276869328266
Frequency (88/97) = 206.29659634105863
Frequency (89/97) = 207.77603994455453
Frequency (90/97) = 209.2660932886605
Frequency (91/97) = 210.76683246049174
Frequency (92/97) = 212.27833409281752
Frequency (93/97) = 213.80067536797443
Frequency (94/97) = 215.33393402180758
Frequency (95/97) = 216.8781883476399
Frequency (96/97) = 218.4335172002703
Frequency (97/97) = 220

Number of semi-tones = 98

Frequency (0/98) = 110
Frequency (1/98) = 110.78078029290397
Frequency (2/98) = 111.567102566406
Frequency (3/98) = 112.35900615749912
Frequency (4/98) = 113.15653068239051
Frequency (5/98) = 113.95971603848317
Frequency (6/98) = 114.7686024063721
Frequency (7/98) = 115.58323025185413
Frequency (8/98) = 116.40364032795257
Frequency (9/98) = 117.22987367695573
Frequency (10/98) = 118.06197163247018
Frequency (11/98) = 118.89997582148854
Frequency (12/98) = 119.74392816647195
Frequency (13/98) = 120.59387088744732
Frequency (14/98) = 121.44984650411935
Frequency (15/98) = 122.31189783799779
Frequency (16/98) = 123.18006801453954
Frequency (17/98) = 124.0544004653061
Frequency (18/98) = 124.93493893013637
Frequency (19/98) = 125.82172745933462
Frequency (20/98) = 126.71481041587448
Frequency (21/98) = 127.6142324776179
Frequency (22/98) = 128.52003863955053
Frequency (23/98) = 129.4322742160325
Frequency (24/98) = 130.35098484306542
Frequency (25/98) = 131.27621648057533
Frequency (26/98) = 132.20801541471195
Frequency (27/98) = 133.1464282601642
Frequency (28/98) = 134.0915019624923
Frequency (29/98) = 135.04328380047602
Frequency (30/98) = 136.00182138848007

Frequency (31/98) = 136.9671626788362
Frequency (32/98) = 137.9393559642417
Frequency (33/98) = 138.91844988017573
Frequency (34/98) = 139.90449340733218
Frequency (35/98) = 140.89753587406997
Frequency (36/98) = 141.89762695888092
Frequency (37/98) = 142.90481669287485
Frequency (38/98) = 143.9191554622826
Frequency (39/98) = 144.94069401097653
Frequency (40/98) = 145.9694834430092
Frequency (41/98) = 147.00557522516988
Frequency (42/98) = 148.04902118955917
Frequency (43/98) = 149.09987353618217
Frequency (44/98) = 150.15818483555967
Frequency (45/98) = 151.22400803135818
Frequency (46/98) = 152.2973964430385
Frequency (47/98) = 153.3784037685231
Frequency (48/98) = 154.4670840868825
Frequency (49/98) = 155.56349186104046
Frequency (50/98) = 156.66768194049888
Frequency (51/98) = 157.77970956408151
Frequency (52/98) = 158.8996303626974
Frequency (53/98) = 160.02750036212393
Frequency (54/98) = 161.1633759858096
Frequency (55/98) = 162.30731405769683
Frequency (56/98) = 163.45937180506434
Frequency (57/98) = 164.6196068613903
Frequency (58/98) = 165.7880772692355
Frequency (59/98) = 166.96484148314693
Frequency (60/98) = 168.14995837258218
Frequency (61/98) = 169.3434872248543
Frequency (62/98) = 170.54548774809797
Frequency (63/98) = 171.75602007425624
Frequency (64/98) = 172.97514476208892
Frequency (65/98) = 174.20292280020212
Frequency (66/98) = 175.4394156100991
Frequency (67/98) = 176.6846850492532
Frequency (68/98) = 177.9387934142023
Frequency (69/98) = 179.20180344366523
Frequency (70/98) = 180.47377832168036
Frequency (71/98) = 181.7547816807666
Frequency (72/98) = 183.04487760510665
Frequency (73/98) = 184.34413063375288
Frequency (74/98) = 185.65260576385603
Frequency (75/98) = 186.97036845391682
Frequency (76/98) = 188.29748462706058
Frequency (77/98) = 189.6340206743351
Frequency (78/98) = 190.98004345803204
Frequency (79/98) = 192.3356203150318
Frequency (80/98) = 193.70081906017214
Frequency (81/98) = 195.07570798964068
Frequency (82/98) = 196.4603558843916
Frequency (83/98) = 197.85483201358645
Frequency (84/98) = 199.25920613805945
Frequency (85/98) = 200.6735485138075
Frequency (86/98) = 202.0979298955047
Frequency (87/98) = 203.53242154004195
Frequency (88/98) = 204.97709521009182
Frequency (89/98) = 206.43202317769857
Frequency (90/98) = 207.89727822789348

Frequency (91/98) = 209.3729336623363
Frequency (92/98) = 210.85906330298215
Frequency (93/98) = 212.3557414957745
Frequency (94/98) = 213.8630431143646
Frequency (95/98) = 215.38104356385702
Frequency (96/98) = 216.909818784582
Frequency (97/98) = 218.4494452558945
Frequency (98/98) = 220

Number of semi-tones = 99

Frequency (0/99) = 110
Frequency (1/99) = 110.7728659821849
Frequency (2/99) = 111.55116216279177
Frequency (3/99) = 112.33492669469005
Frequency (4/99) = 113.1241979988133
Frequency (5/99) = 113.91901476604268
Frequency (6/99) = 114.7194159591035
Frequency (7/99) = 115.52544081447542
Frequency (8/99) = 116.33712884431561
Frequency (9/99) = 117.1545198383959
Frequency (10/99) = 117.97765386605317
Frequency (11/99) = 118.80657127815367
Frequency (12/99) = 119.64131270907104
Frequency (13/99) = 120.48191907867817
Frequency (14/99) = 121.32843159435329
Frequency (15/99) = 122.18089175299986
Frequency (16/99) = 123.03934134308082
Frequency (17/99) = 123.90382244666719
Frequency (18/99) = 124.77437744150089
Frequency (19/99) = 125.65104900307209
Frequency (20/99) = 126.53388010671138
Frequency (21/99) = 127.42291402969627
Frequency (22/99) = 128.31819435337283
Frequency (23/99) = 129.21976496529203
Frequency (24/99) = 130.1276700613611
Frequency (25/99) = 131.04195414801023
Frequency (26/99) = 131.96266204437413
Frequency (27/99) = 132.8898388844892
Frequency (28/99) = 133.82353011950605
Frequency (29/99) = 134.7637815199175
Frequency (30/99) = 135.71063917780242
Frequency (31/99) = 136.66414950908506
Frequency (32/99) = 137.62435925581053
Frequency (33/99) = 138.59131548843604
Frequency (34/99) = 139.56506560813844
Frequency (35/99) = 140.54565734913785
Frequency (36/99) = 141.53313878103748
Frequency (37/99) = 142.52755831118037
Frequency (38/99) = 143.52896468702204
Frequency (39/99) = 144.53740699852037
Frequency (40/99) = 145.55293468054188
Frequency (41/99) = 146.57559751528524
Frequency (42/99) = 147.6054456347215
Frequency (43/99) = 148.64252952305165
Frequency (44/99) = 149.68690001918145
Frequency (45/99) = 150.7386083192136
Frequency (46/99) = 151.79770597895734
Frequency (47/99) = 152.8642449164559
Frequency (48/99) = 153.93827741453143
Frequency (49/99) = 155.01985612334806

Frequency (50/99) = 156.10903406299292
Frequency (51/99) = 157.20586462607497
Frequency (52/99) = 158.31040158034276
Frequency (53/99) = 159.4226990713198
Frequency (54/99) = 160.54281162495909
Frequency (55/99) = 161.67079415031588
Frequency (56/99) = 162.80670194223947
Frequency (57/99) = 163.95059068408375
Frequency (58/99) = 165.1025164504369
Frequency (59/99) = 166.2625357098702
Frequency (60/99) = 167.43070532770616
Frequency (61/99) = 168.60708256880622
Frequency (62/99) = 169.79172510037776
Frequency (63/99) = 170.98469099480113
Frequency (64/99) = 172.18603873247636
Frequency (65/99) = 173.39582720469
Frequency (66/99) = 174.61411571650194
Frequency (67/99) = 175.84096398965266
Frequency (68/99) = 177.07643216549084
Frequency (69/99) = 178.32058080792154
Frequency (70/99) = 179.57347090637512
Frequency (71/99) = 180.83516387879698
Frequency (72/99) = 182.10572157465836
Frequency (73/99) = 183.38520627798823
Frequency (74/99) = 184.67368071042657
Frequency (75/99) = 185.97120803429894
Frequency (76/99) = 187.27785185571292
Frequency (77/99) = 188.593676227676
Frequency (78/99) = 189.91874565323567
Frequency (79/99) = 191.2531250886412
Frequency (80/99) = 192.59687994652813
Frequency (81/99) = 193.95007609912466
Frequency (82/99) = 195.31277988148088
Frequency (83/99) = 196.68505809472052
Frequency (84/99) = 198.06697800931568
Frequency (85/99) = 199.45860736838443
Frequency (86/99) = 200.86001439101167
Frequency (87/99) = 202.2712677755933
Frequency (88/99) = 203.69243670320387
Frequency (89/99) = 205.12359084098802
Frequency (90/99) = 206.56480034557538
Frequency (91/99) = 208.01613586652002
Frequency (92/99) = 209.47766854976348
Frequency (93/99) = 210.9494700411227
Frequency (94/99) = 212.43161248980192
Frequency (95/99) = 213.92416855192963
Frequency (96/99) = 215.4272113941203
Frequency (97/99) = 216.94081469706092
Frequency (98/99) = 218.46505265912305
Frequency (99/99) = 220

Number of semi-tones = 100

Frequency (0/100) = 110
Frequency (1/100) = 110.76511050623908
Frequency (2/100) = 111.5355427769032
Frequency (3/100) = 112.31133382779127
Frequency (4/100) = 113.09252093216732
Frequency (5/100) = 113.87914162255153
Frequency (6/100) = 114.67123369252336
Frequency (7/100) = 115.4688351985374

Frequency (8/100) = 116.27198446175183
Frequency (9/100) = 117.08072006986957
Frequency (10/100) = 117.89508087899225
Frequency (11/100) = 118.715106015487
Frequency (12/100) = 119.54083487786637
Frequency (13/100) = 120.37230713868134
Frequency (14/100) = 121.20956274642717
Frequency (15/100) = 122.05264192746296
Frequency (16/100) = 122.9015851879442
Frequency (17/100) = 123.75643331576903
Frequency (18/100) = 124.61722738253783
Frequency (19/100) = 125.4840087455266
Frequency (20/100) = 126.35681904967386
Frequency (21/100) = 127.23570022958161
Frequency (22/100) = 128.12069451153013
Frequency (23/100) = 129.01184441550666
Frequency (24/100) = 129.90919275724832
Frequency (25/100) = 130.8127826502993
Frequency (26/100) = 131.72265750808214
Frequency (27/100) = 132.63886104598365
Frequency (28/100) = 133.56143728345518
Frequency (29/100) = 134.49043054612753
Frequency (30/100) = 135.4258854679408
Frequency (31/100) = 136.36784699328854
Frequency (32/100) = 137.3163603791773
Frequency (33/100) = 138.27147119740113
Frequency (34/100) = 139.23322533673078
Frequency (35/100) = 140.20166900511884
Frequency (36/100) = 141.17684873191948
Frequency (37/100) = 142.15881137012414
Frequency (38/100) = 143.1476040986127
Frequency (39/100) = 144.14327442441996
Frequency (40/100) = 145.14587018501837
Frequency (41/100) = 146.15543955061628
Frequency (42/100) = 147.17203102647233
Frequency (43/100) = 148.19569345522592
Frequency (44/100) = 149.2264760192439
Frequency (45/100) = 150.2644282429835
Frequency (46/100) = 151.30959999537183
Frequency (47/100) = 152.3620414922017
Frequency (48/100) = 153.4218032985446
Frequency (49/100) = 154.4889363311797
Frequency (50/100) = 155.56349186104046
Frequency (51/100) = 156.6455215156779
Frequency (52/100) = 157.735077281741
Frequency (53/100) = 158.8322115074746
Frequency (54/100) = 159.93697690523416
Frequency (55/100) = 161.0494265540188
Frequency (56/100) = 162.16961390202113
Frequency (57/100) = 163.2975927691954
Frequency (58/100) = 164.4334173498432
Frequency (59/100) = 165.57714221521738
Frequency (60/100) = 166.72882231614378
Frequency (61/100) = 167.8885129856615
Frequency (62/100) = 169.05626994168136
Frequency (63/100) = 170.23214928966289
Frequency (64/100) = 171.41620752530997
Frequency (65/100) = 172.60850153728518
Frequency (66/100) = 173.809088609943
Frequency (67/100) = 175.01802642608212

Frequency (68/100) = 176.23537306971687
Frequency (69/100) = 177.46118702886776
Frequency (70/100) = 178.6955271983718
Frequency (71/100) = 179.93845288271183
Frequency (72/100) = 181.1900237988661
Frequency (73/100) = 182.45030007917717
Frequency (74/100) = 183.71934227424126
Frequency (75/100) = 184.9972113558172
Frequency (76/100) = 186.28396871975596
Frequency (77/100) = 187.5796761889505
Frequency (78/100) = 188.88439601630583
Frequency (79/100) = 190.19819088773033
Frequency (80/100) = 191.52112392514732
Frequency (81/100) = 192.8532586895277
Frequency (82/100) = 194.19465918394405
Frequency (83/100) = 195.54538985664544
Frequency (84/100) = 196.90551560415395
Frequency (85/100) = 198.27510177438265
Frequency (86/100) = 199.6542141697754
Frequency (87/100) = 201.0429190504681
Frequency (88/100) = 202.4412831374725
Frequency (89/100) = 203.8493736158816
Frequency (90/100) = 205.26725813809762
Frequency (91/100) = 206.69500482708258
Frequency (92/100) = 208.1326822796311
Frequency (93/100) = 209.58035956966623
Frequency (94/100) = 211.03810625155816
Frequency (95/100) = 212.50599236346602
Frequency (96/100) = 213.98408843070283
Frequency (97/100) = 215.4724654691239
Frequency (98/100) = 216.97119498853903
Frequency (99/100) = 218.4803489961479
Frequency (100/100) = 220

Below is an HTML program for finding cents in microtonal equal temperament:

```
<!DOCTYPE html>
<html>
<body>

<script>

document.write("nth semi-tone of m semi-tones in an octave <br /><br />")
document.write("frequency(n/m) f = 110*2^(n/m) <br />");
document.write("cent(n/m) c = (1200ln(f/110))/ln2 <br />");
u=0;
v=13;
w=101;
b=0;
{
for (m = v; m < w; m++)
{
document.write("<br />Number of semi-tones = ",m, "<br />");
for (n = u; n < m+1; n++)
{
```

```

var b = Math.pow(2, n/m);

f=110*b;

var a = Math.log(f/110);
var b = Math.log(2);

c=(1200*a)/b;

//document.write("Frequency(",n,"/",m,") = ",f,"<br />");
document.write("Cent(",n,"/",m,") = ",c,"<br />");
}
}
}
</script>

</body>
</html>

```

Below is the output of the above program, from 13 TET up to 1000 TET:

nth semi-tone of m semi-tones in an octave

frequency(n/m) $f = 110 \cdot 2^{(n/m)}$
cent(n/m) $c = (1200 \ln(f/110)) / \ln 2$

Number of semi-tones = 13

Cent(0/13) = 0
Cent(1/13) = 92.30769230769229
Cent(2/13) = 184.6153846153845
Cent(3/13) = 276.92307692307685
Cent(4/13) = 369.2307692307693
Cent(5/13) = 461.53846153846155
Cent(6/13) = 553.8461538461539
Cent(7/13) = 646.1538461538463
Cent(8/13) = 738.4615384615387
Cent(9/13) = 830.7692307692308
Cent(10/13) = 923.0769230769231
Cent(11/13) = 1015.3846153846154
Cent(12/13) = 1107.6923076923078
Cent(13/13) = 1200

Number of semi-tones = 14

Cent(0/14) = 0
Cent(1/14) = 85.71428571428575
Cent(2/14) = 171.4285714285713
Cent(3/14) = 257.14285714285705
Cent(4/14) = 342.8571428571428
Cent(5/14) = 428.57142857142856
Cent(6/14) = 514.2857142857143
Cent(7/14) = 600.0000000000001
Cent(8/14) = 685.7142857142858
Cent(9/14) = 771.4285714285717
Cent(10/14) = 857.1428571428572
Cent(11/14) = 942.8571428571427
Cent(12/14) = 1028.5714285714284

Cent (13/14) = 1114.285714285714
Cent (14/14) = 1200

Number of semi-tones = 15

Cent (0/15) = 0
Cent (1/15) = 80.00000000000003
Cent (2/15) = 159.99999999999991
Cent (3/15) = 240.00000000000001
Cent (4/15) = 319.99999999999994
Cent (5/15) = 399.99999999999998
Cent (6/15) = 480
Cent (7/15) = 560
Cent (8/15) = 640.00000000000003
Cent (9/15) = 719.99999999999999
Cent (10/15) = 800.00000000000002
Cent (11/15) = 880.00000000000002
Cent (12/15) = 960.00000000000001
Cent (13/15) = 1040
Cent (14/15) = 1120.00000000000002
Cent (15/15) = 1200

Number of semi-tones = 16

Cent (0/16) = 0
Cent (1/16) = 74.99999999999986
Cent (2/16) = 150.00000000000003
Cent (3/16) = 224.99999999999999
Cent (4/16) = 299.99999999999994
Cent (5/16) = 374.99999999999994
Cent (6/16) = 450.00000000000002
Cent (7/16) = 524.99999999999999
Cent (8/16) = 600.00000000000001
Cent (9/16) = 675.00000000000001
Cent (10/16) = 749.99999999999999
Cent (11/16) = 825
Cent (12/16) = 900
Cent (13/16) = 975
Cent (14/16) = 1050
Cent (15/16) = 1125.00000000000002
Cent (16/16) = 1200

Number of semi-tones = 17

Cent (0/17) = 0
Cent (1/17) = 70.58823529411771
Cent (2/17) = 141.17647058823525
Cent (3/17) = 211.76470588235293
Cent (4/17) = 282.3529411764706
Cent (5/17) = 352.94117647058835
Cent (6/17) = 423.529411764706
Cent (7/17) = 494.1176470588235
Cent (8/17) = 564.7058823529412
Cent (9/17) = 635.294117647059
Cent (10/17) = 705.8823529411765
Cent (11/17) = 776.4705882352941
Cent (12/17) = 847.0588235294117
Cent (13/17) = 917.6470588235295
Cent (14/17) = 988.235294117647
Cent (15/17) = 1058.8235294117646
Cent (16/17) = 1129.4117647058824
Cent (17/17) = 1200

Number of semi-tones = 18

Cent (0/18) = 0
Cent (1/18) = 66.66666666666666
Cent (2/18) = 133.33333333333326
Cent (3/18) = 200.00000000000006
Cent (4/18) = 266.6666666666669
Cent (5/18) = 333.3333333333333
Cent (6/18) = 399.9999999999998
Cent (7/18) = 466.6666666666668
Cent (8/18) = 533.3333333333333
Cent (9/18) = 600.0000000000001
Cent (10/18) = 666.6666666666667
Cent (11/18) = 733.3333333333335
Cent (12/18) = 800.0000000000002
Cent (13/18) = 866.6666666666665
Cent (14/18) = 933.3333333333334
Cent (15/18) = 1000.0000000000001
Cent (16/18) = 1066.6666666666665
Cent (17/18) = 1133.3333333333333
Cent (18/18) = 1200

Number of semi-tones = 19

Cent (0/19) = 0
Cent (1/19) = 63.157894736841946
Cent (2/19) = 126.31578947368416
Cent (3/19) = 189.47368421052613
Cent (4/19) = 252.63157894736835
Cent (5/19) = 315.7894736842107
Cent (6/19) = 378.9473684210526
Cent (7/19) = 442.1052631578949
Cent (8/19) = 505.2631578947369
Cent (9/19) = 568.421052631579
Cent (10/19) = 631.5789473684207
Cent (11/19) = 694.7368421052632
Cent (12/19) = 757.8947368421052
Cent (13/19) = 821.0526315789474
Cent (14/19) = 884.2105263157895
Cent (15/19) = 947.3684210526316
Cent (16/19) = 1010.5263157894736
Cent (17/19) = 1073.6842105263158
Cent (18/19) = 1136.842105263158
Cent (19/19) = 1200

Number of semi-tones = 20

Cent (0/20) = 0
Cent (1/20) = 60.000000000000135
Cent (2/20) = 119.99999999999994
Cent (3/20) = 180.0000000000001
Cent (4/20) = 240.0000000000001
Cent (5/20) = 299.99999999999994
Cent (6/20) = 360.00000000000006
Cent (7/20) = 420.00000000000006
Cent (8/20) = 480
Cent (9/20) = 540.0000000000001
Cent (10/20) = 600.0000000000001
Cent (11/20) = 660
Cent (12/20) = 719.9999999999999
Cent (13/20) = 780.0000000000001
Cent (14/20) = 840
Cent (15/20) = 900

Cent (16/20) = 960.00000000000001
Cent (17/20) = 1020
Cent (18/20) = 1079.9999999999998
Cent (19/20) = 1140.00000000000002
Cent (20/20) = 1200

Number of semi-tones = 21

Cent (0/21) = 0
Cent (1/21) = 57.142857142857125
Cent (2/21) = 114.28571428571412
Cent (3/21) = 171.4285714285713
Cent (4/21) = 228.5714285714286
Cent (5/21) = 285.7142857142856
Cent (6/21) = 342.8571428571428
Cent (7/21) = 399.9999999999998
Cent (8/21) = 457.1428571428571
Cent (9/21) = 514.2857142857143
Cent (10/21) = 571.4285714285713
Cent (11/21) = 628.5714285714286
Cent (12/21) = 685.7142857142858
Cent (13/21) = 742.8571428571427
Cent (14/21) = 800.00000000000002
Cent (15/21) = 857.1428571428572
Cent (16/21) = 914.2857142857143
Cent (17/21) = 971.4285714285714
Cent (18/21) = 1028.5714285714284
Cent (19/21) = 1085.7142857142858
Cent (20/21) = 1142.8571428571427
Cent (21/21) = 1200

Number of semi-tones = 22

Cent (0/22) = 0
Cent (1/22) = 54.54545454545451
Cent (2/22) = 109.09090909090908
Cent (3/22) = 163.63636363636346
Cent (4/22) = 218.18181818181827
Cent (5/22) = 272.7272727272728
Cent (6/22) = 327.27272727272714
Cent (7/22) = 381.81818181818182
Cent (8/22) = 436.3636363636363
Cent (9/22) = 490.9090909090911
Cent (10/22) = 545.4545454545454
Cent (11/22) = 600.00000000000001
Cent (12/22) = 654.5454545454545
Cent (13/22) = 709.0909090909091
Cent (14/22) = 763.6363636363637
Cent (15/22) = 818.1818181818181
Cent (16/22) = 872.7272727272729
Cent (17/22) = 927.2727272727271
Cent (18/22) = 981.8181818181819
Cent (19/22) = 1036.3636363636363
Cent (20/22) = 1090.9090909090908
Cent (21/22) = 1145.4545454545457
Cent (22/22) = 1200

Number of semi-tones = 23

Cent (0/23) = 0
Cent (1/23) = 52.173913043478386
Cent (2/23) = 104.34782608695662
Cent (3/23) = 156.52173913043484

Cent (4/23) = 208.69565217391295
Cent (5/23) = 260.86956521739125
Cent (6/23) = 313.04347826086956
Cent (7/23) = 365.2173913043476
Cent (8/23) = 417.3913043478262
Cent (9/23) = 469.56521739130426
Cent (10/23) = 521.7391304347822
Cent (11/23) = 573.9130434782609
Cent (12/23) = 626.0869565217391
Cent (13/23) = 678.2608695652173
Cent (14/23) = 730.4347826086956
Cent (15/23) = 782.608695652174
Cent (16/23) = 834.782608695652
Cent (17/23) = 886.9565217391304
Cent (18/23) = 939.1304347826086
Cent (19/23) = 991.304347826087
Cent (20/23) = 1043.4782608695652
Cent (21/23) = 1095.6521739130435
Cent (22/23) = 1147.8260869565217
Cent (23/23) = 1200

Number of semi-tones = 24

Cent (0/24) = 0
Cent (1/24) = 50.00000000000008
Cent (2/24) = 100.00000000000009
Cent (3/24) = 150.00000000000003
Cent (4/24) = 200.00000000000006
Cent (5/24) = 249.99999999999991
Cent (6/24) = 299.99999999999994
Cent (7/24) = 350.00000000000001
Cent (8/24) = 399.99999999999998
Cent (9/24) = 450.00000000000002
Cent (10/24) = 500.00000000000006
Cent (11/24) = 550
Cent (12/24) = 600.00000000000001
Cent (13/24) = 650
Cent (14/24) = 700.00000000000001
Cent (15/24) = 749.99999999999999
Cent (16/24) = 800.00000000000002
Cent (17/24) = 850.00000000000002
Cent (18/24) = 900
Cent (19/24) = 950
Cent (20/24) = 1000.00000000000001
Cent (21/24) = 1050
Cent (22/24) = 1099.9999999999998
Cent (23/24) = 1150
Cent (24/24) = 1200

Number of semi-tones = 25

Cent (0/25) = 0
Cent (1/25) = 48.00000000000006
Cent (2/25) = 95.99999999999983
Cent (3/25) = 143.99999999999983
Cent (4/25) = 192.00000000000009
Cent (5/25) = 240.00000000000001
Cent (6/25) = 287.99999999999955
Cent (7/25) = 336.00000000000017
Cent (8/25) = 384
Cent (9/25) = 432.00000000000001
Cent (10/25) = 480

Cent (11/25) = 527.9999999999999
Cent (12/25) = 576.00000000000002
Cent (13/25) = 624
Cent (14/25) = 672
Cent (15/25) = 719.9999999999999
Cent (16/25) = 768.00000000000001
Cent (17/25) = 816.00000000000001
Cent (18/25) = 864
Cent (19/25) = 912
Cent (20/25) = 960.00000000000001
Cent (21/25) = 1008.00000000000001
Cent (22/25) = 1056
Cent (23/25) = 1104
Cent (24/25) = 1152
Cent (25/25) = 1200

Number of semi-tones = 26

Cent (0/26) = 0
Cent (1/26) = 46.15384615384626
Cent (2/26) = 92.30769230769229
Cent (3/26) = 138.4615384615385
Cent (4/26) = 184.6153846153845
Cent (5/26) = 230.76923076923077
Cent (6/26) = 276.92307692307685
Cent (7/26) = 323.07692307692315
Cent (8/26) = 369.2307692307693
Cent (9/26) = 415.38461538461536
Cent (10/26) = 461.53846153846155
Cent (11/26) = 507.6923076923077
Cent (12/26) = 553.8461538461539
Cent (13/26) = 600.00000000000001
Cent (14/26) = 646.1538461538463
Cent (15/26) = 692.3076923076922
Cent (16/26) = 738.4615384615387
Cent (17/26) = 784.6153846153848
Cent (18/26) = 830.7692307692308
Cent (19/26) = 876.9230769230769
Cent (20/26) = 923.0769230769231
Cent (21/26) = 969.2307692307693
Cent (22/26) = 1015.3846153846154
Cent (23/26) = 1061.5384615384614
Cent (24/26) = 1107.6923076923078
Cent (25/26) = 1153.846153846154
Cent (26/26) = 1200

Number of semi-tones = 27

Cent (0/27) = 0
Cent (1/27) = 44.44444444444462
Cent (2/27) = 88.88888888888894
Cent (3/27) = 133.33333333333326
Cent (4/27) = 177.77777777777766
Cent (5/27) = 222.2222222222221
Cent (6/27) = 266.6666666666669
Cent (7/27) = 311.1111111111109
Cent (8/27) = 355.55555555555566
Cent (9/27) = 399.9999999999998
Cent (10/27) = 444.4444444444445
Cent (11/27) = 488.88888888888874
Cent (12/27) = 533.3333333333333
Cent (13/27) = 577.7777777777779

Cent (14/27) = 622.2222222222223
Cent (15/27) = 666.6666666666667
Cent (16/27) = 711.1111111111111
Cent (17/27) = 755.5555555555557
Cent (18/27) = 800.0000000000002
Cent (19/27) = 844.4444444444446
Cent (20/27) = 888.8888888888888
Cent (21/27) = 933.3333333333334
Cent (22/27) = 977.7777777777778
Cent (23/27) = 1022.2222222222224
Cent (24/27) = 1066.6666666666665
Cent (25/27) = 1111.1111111111111
Cent (26/27) = 1155.5555555555554
Cent (27/27) = 1200

Number of semi-tones = 28

Cent (0/28) = 0
Cent (1/28) = 42.85714285714292
Cent (2/28) = 85.71428571428575
Cent (3/28) = 128.57142857142838
Cent (4/28) = 171.4285714285713
Cent (5/28) = 214.28571428571445
Cent (6/28) = 257.14285714285705
Cent (7/28) = 299.99999999999994
Cent (8/28) = 342.8571428571428
Cent (9/28) = 385.7142857142856
Cent (10/28) = 428.57142857142856
Cent (11/28) = 471.42857142857133
Cent (12/28) = 514.2857142857143
Cent (13/28) = 557.1428571428572
Cent (14/28) = 600.0000000000001
Cent (15/28) = 642.857142857143
Cent (16/28) = 685.7142857142858
Cent (17/28) = 728.5714285714288
Cent (18/28) = 771.4285714285717
Cent (19/28) = 814.2857142857144
Cent (20/28) = 857.1428571428572
Cent (21/28) = 900
Cent (22/28) = 942.8571428571427
Cent (23/28) = 985.7142857142858
Cent (24/28) = 1028.5714285714284
Cent (25/28) = 1071.4285714285716
Cent (26/28) = 1114.285714285714
Cent (27/28) = 1157.1428571428569
Cent (28/28) = 1200

Number of semi-tones = 29

Cent (0/29) = 0
Cent (1/29) = 41.37931034482742
Cent (2/29) = 82.75862068965519
Cent (3/29) = 124.13793103448259
Cent (4/29) = 165.51724137931038
Cent (5/29) = 206.89655172413805
Cent (6/29) = 248.27586206896544
Cent (7/29) = 289.655172413793
Cent (8/29) = 331.0344827586207
Cent (9/29) = 372.41379310344826
Cent (10/29) = 413.7931034482759
Cent (11/29) = 455.1724137931034
Cent (12/29) = 496.55172413793093

Cent (13/29) = 537.9310344827586
Cent (14/29) = 579.3103448275862
Cent (15/29) = 620.6896551724138
Cent (16/29) = 662.0689655172413
Cent (17/29) = 703.448275862069
Cent (18/29) = 744.8275862068965
Cent (19/29) = 786.2068965517242
Cent (20/29) = 827.5862068965517
Cent (21/29) = 868.9655172413794
Cent (22/29) = 910.3448275862067
Cent (23/29) = 951.7241379310348
Cent (24/29) = 993.1034482758624
Cent (25/29) = 1034.4827586206895
Cent (26/29) = 1075.8620689655174
Cent (27/29) = 1117.2413793103449
Cent (28/29) = 1158.6206896551723
Cent (29/29) = 1200

Number of semi-tones = 30

Cent (0/30) = 0
Cent (1/30) = 40.000000000000114
Cent (2/30) = 80.00000000000003
Cent (3/30) = 119.99999999999994
Cent (4/30) = 159.99999999999991
Cent (5/30) = 200.00000000000006
Cent (6/30) = 240.00000000000001
Cent (7/30) = 280
Cent (8/30) = 319.99999999999994
Cent (9/30) = 360.00000000000006
Cent (10/30) = 399.99999999999998
Cent (11/30) = 439.99999999999999
Cent (12/30) = 480
Cent (13/30) = 520.00000000000003
Cent (14/30) = 560
Cent (15/30) = 600.00000000000001
Cent (16/30) = 640.00000000000003
Cent (17/30) = 679.99999999999999
Cent (18/30) = 719.99999999999999
Cent (19/30) = 759.99999999999999
Cent (20/30) = 800.00000000000002
Cent (21/30) = 840
Cent (22/30) = 880.00000000000002
Cent (23/30) = 920
Cent (24/30) = 960.00000000000001
Cent (25/30) = 1000.00000000000001
Cent (26/30) = 1040
Cent (27/30) = 1079.99999999999998
Cent (28/30) = 1120.00000000000002
Cent (29/30) = 1159.99999999999998
Cent (30/30) = 1200

Number of semi-tones = 31

Cent (0/31) = 0
Cent (1/31) = 38.70967741935466
Cent (2/31) = 77.4193548387096
Cent (3/31) = 116.12903225806461
Cent (4/31) = 154.83870967741933
Cent (5/31) = 193.5483870967743
Cent (6/31) = 232.25806451612908
Cent (7/31) = 270.96774193548356

Cent (8/31) = 309.6774193548387
Cent (9/31) = 348.3870967741936
Cent (10/31) = 387.09677419354836
Cent (11/31) = 425.8064516129032
Cent (12/31) = 464.51612903225805
Cent (13/31) = 503.22580645161287
Cent (14/31) = 541.9354838709677
Cent (15/31) = 580.6451612903227
Cent (16/31) = 619.3548387096773
Cent (17/31) = 658.0645161290321
Cent (18/31) = 696.7741935483871
Cent (19/31) = 735.4838709677421
Cent (20/31) = 774.1935483870966
Cent (21/31) = 812.9032258064515
Cent (22/31) = 851.6129032258066
Cent (23/31) = 890.3225806451611
Cent (24/31) = 929.0322580645161
Cent (25/31) = 967.741935483871
Cent (26/31) = 1006.4516129032259
Cent (27/31) = 1045.1612903225805
Cent (28/31) = 1083.8709677419354
Cent (29/31) = 1122.5806451612902
Cent (30/31) = 1161.2903225806451
Cent (31/31) = 1200

Number of semi-tones = 32

Cent (0/32) = 0
Cent (1/32) = 37.49999999999915
Cent (2/32) = 74.9999999999986
Cent (3/32) = 112.5000000000014
Cent (4/32) = 150.0000000000003
Cent (5/32) = 187.4999999999986
Cent (6/32) = 224.9999999999999
Cent (7/32) = 262.4999999999994
Cent (8/32) = 299.9999999999994
Cent (9/32) = 337.4999999999983
Cent (10/32) = 374.9999999999994
Cent (11/32) = 412.5
Cent (12/32) = 450.0000000000002
Cent (13/32) = 487.5000000000006
Cent (14/32) = 524.9999999999999
Cent (15/32) = 562.5000000000001
Cent (16/32) = 600.0000000000001
Cent (17/32) = 637.5000000000001
Cent (18/32) = 675.0000000000001
Cent (19/32) = 712.5000000000001
Cent (20/32) = 749.9999999999999
Cent (21/32) = 787.5
Cent (22/32) = 825
Cent (23/32) = 862.5000000000002
Cent (24/32) = 900
Cent (25/32) = 937.5000000000001
Cent (26/32) = 975
Cent (27/32) = 1012.5000000000001
Cent (28/32) = 1050
Cent (29/32) = 1087.5
Cent (30/32) = 1125.0000000000002
Cent (31/32) = 1162.4999999999998
Cent (32/32) = 1200

Number of semi-tones = 33
Cent (0/33) = 0
Cent (1/33) = 36.36363636363645
Cent (2/33) = 72.72727272727263
Cent (3/33) = 109.09090909090908
Cent (4/33) = 145.45454545454564
Cent (5/33) = 181.81818181818196
Cent (6/33) = 218.18181818181827
Cent (7/33) = 254.5454545454546
Cent (8/33) = 290.9090909090909
Cent (9/33) = 327.27272727272714
Cent (10/33) = 363.63636363636374
Cent (11/33) = 399.9999999999998
Cent (12/33) = 436.3636363636363
Cent (13/33) = 472.7272727272727
Cent (14/33) = 509.090909090909
Cent (15/33) = 545.4545454545454
Cent (16/33) = 581.8181818181819
Cent (17/33) = 618.1818181818182
Cent (18/33) = 654.5454545454545
Cent (19/33) = 690.9090909090911
Cent (20/33) = 727.2727272727273
Cent (21/33) = 763.6363636363637
Cent (22/33) = 800.0000000000002
Cent (23/33) = 836.3636363636365
Cent (24/33) = 872.7272727272729
Cent (25/33) = 909.0909090909091
Cent (26/33) = 945.4545454545456
Cent (27/33) = 981.8181818181819
Cent (28/33) = 1018.1818181818184
Cent (29/33) = 1054.5454545454545
Cent (30/33) = 1090.9090909090908
Cent (31/33) = 1127.2727272727273
Cent (32/33) = 1163.6363636363637
Cent (33/33) = 1200

Number of semi-tones = 34
Cent (0/34) = 0
Cent (1/34) = 35.29411764705887
Cent (2/34) = 70.58823529411771
Cent (3/34) = 105.88235294117653
Cent (4/34) = 141.17647058823525
Cent (5/34) = 176.47058823529426
Cent (6/34) = 211.76470588235293
Cent (7/34) = 247.05882352941174
Cent (8/34) = 282.3529411764706
Cent (9/34) = 317.64705882352945
Cent (10/34) = 352.94117647058835
Cent (11/34) = 388.23529411764724
Cent (12/34) = 423.529411764706
Cent (13/34) = 458.8235294117646
Cent (14/34) = 494.1176470588235
Cent (15/34) = 529.4117647058822
Cent (16/34) = 564.7058823529412
Cent (17/34) = 600.0000000000001
Cent (18/34) = 635.294117647059
Cent (19/34) = 670.5882352941178
Cent (20/34) = 705.8823529411765
Cent (21/34) = 741.1764705882354
Cent (22/34) = 776.4705882352941

Cent (23/34) = 811.7647058823528
Cent (24/34) = 847.0588235294117
Cent (25/34) = 882.3529411764708
Cent (26/34) = 917.6470588235295
Cent (27/34) = 952.9411764705881
Cent (28/34) = 988.235294117647
Cent (29/34) = 1023.5294117647057
Cent (30/34) = 1058.8235294117646
Cent (31/34) = 1094.1176470588234
Cent (32/34) = 1129.4117647058824
Cent (33/34) = 1164.705882352941
Cent (34/34) = 1200

Number of semi-tones = 35

Cent (0/35) = 0
Cent (1/35) = 34.2857142857141
Cent (2/35) = 68.57142857142854
Cent (3/35) = 102.85714285714282
Cent (4/35) = 137.142857142857
Cent (5/35) = 171.4285714285713
Cent (6/35) = 205.71428571428567
Cent (7/35) = 240.0000000000001
Cent (8/35) = 274.28571428571416
Cent (9/35) = 308.5714285714284
Cent (10/35) = 342.8571428571428
Cent (11/35) = 377.1428571428573
Cent (12/35) = 411.4285714285713
Cent (13/35) = 445.7142857142858
Cent (14/35) = 480
Cent (15/35) = 514.2857142857143
Cent (16/35) = 548.5714285714284
Cent (17/35) = 582.857142857143
Cent (18/35) = 617.1428571428571
Cent (19/35) = 651.4285714285713
Cent (20/35) = 685.7142857142858
Cent (21/35) = 719.9999999999999
Cent (22/35) = 754.2857142857144
Cent (23/35) = 788.5714285714287
Cent (24/35) = 822.857142857143
Cent (25/35) = 857.1428571428572
Cent (26/35) = 891.4285714285716
Cent (27/35) = 925.7142857142856
Cent (28/35) = 960.0000000000001
Cent (29/35) = 994.2857142857146
Cent (30/35) = 1028.5714285714284
Cent (31/35) = 1062.857142857143
Cent (32/35) = 1097.142857142857
Cent (33/35) = 1131.4285714285716
Cent (34/35) = 1165.7142857142856
Cent (35/35) = 1200

Number of semi-tones = 36

Cent (0/36) = 0
Cent (1/36) = 33.33333333333332
Cent (2/36) = 66.66666666666666
Cent (3/36) = 100.00000000000009
Cent (4/36) = 133.33333333333326
Cent (5/36) = 166.66666666666683
Cent (6/36) = 200.00000000000006
Cent (7/36) = 233.33333333333323

Cent (8/36) = 266.6666666666669
Cent (9/36) = 299.99999999999994
Cent (10/36) = 333.3333333333333
Cent (11/36) = 366.6666666666669
Cent (12/36) = 399.9999999999998
Cent (13/36) = 433.33333333333326
Cent (14/36) = 466.6666666666668
Cent (15/36) = 500.00000000000006
Cent (16/36) = 533.3333333333333
Cent (17/36) = 566.6666666666665
Cent (18/36) = 600.0000000000001
Cent (19/36) = 633.3333333333334
Cent (20/36) = 666.6666666666667
Cent (21/36) = 700.0000000000001
Cent (22/36) = 733.3333333333335
Cent (23/36) = 766.6666666666666
Cent (24/36) = 800.0000000000002
Cent (25/36) = 833.3333333333333
Cent (26/36) = 866.6666666666665
Cent (27/36) = 900
Cent (28/36) = 933.3333333333334
Cent (29/36) = 966.6666666666666
Cent (30/36) = 1000.0000000000001
Cent (31/36) = 1033.3333333333335
Cent (32/36) = 1066.6666666666665
Cent (33/36) = 1099.9999999999998
Cent (34/36) = 1133.3333333333333
Cent (35/36) = 1166.6666666666665
Cent (36/36) = 1200

Number of semi-tones = 37

Cent (0/37) = 0
Cent (1/37) = 32.43243243243234
Cent (2/37) = 64.86486486486494
Cent (3/37) = 97.29729729729729
Cent (4/37) = 129.72972972972988
Cent (5/37) = 162.16216216216205
Cent (6/37) = 194.59459459459458
Cent (7/37) = 227.02702702702697
Cent (8/37) = 259.4594594594594
Cent (9/37) = 291.8918918918919
Cent (10/37) = 324.3243243243243
Cent (11/37) = 356.7567567567568
Cent (12/37) = 389.18918918918934
Cent (13/37) = 421.62162162162156
Cent (14/37) = 454.0540540540541
Cent (15/37) = 486.48648648648657
Cent (16/37) = 518.9189189189191
Cent (17/37) = 551.3513513513515
Cent (18/37) = 583.7837837837837
Cent (19/37) = 616.2162162162161
Cent (20/37) = 648.6486486486488
Cent (21/37) = 681.0810810810808
Cent (22/37) = 713.5135135135135
Cent (23/37) = 745.9459459459456
Cent (24/37) = 778.3783783783783
Cent (25/37) = 810.8108108108108
Cent (26/37) = 843.2432432432432
Cent (27/37) = 875.6756756756756
Cent (28/37) = 908.1081081081081

Cent (29/37) = 940.5405405405405
Cent (30/37) = 972.9729729729729
Cent (31/37) = 1005.4054054054054
Cent (32/37) = 1037.837837837838
Cent (33/37) = 1070.2702702702702
Cent (34/37) = 1102.702702702703
Cent (35/37) = 1135.135135135135
Cent (36/37) = 1167.5675675675675
Cent (37/37) = 1200

Number of semi-tones = 38

Cent (0/38) = 0
Cent (1/38) = 31.578947368421055
Cent (2/38) = 63.157894736841946
Cent (3/38) = 94.73684210526322
Cent (4/38) = 126.31578947368416
Cent (5/38) = 157.8947368421053
Cent (6/38) = 189.47368421052613
Cent (7/38) = 221.05263157894746
Cent (8/38) = 252.63157894736835
Cent (9/38) = 284.2105263157894
Cent (10/38) = 315.7894736842107
Cent (11/38) = 347.3684210526317
Cent (12/38) = 378.9473684210526
Cent (13/38) = 410.52631578947364
Cent (14/38) = 442.1052631578949
Cent (15/38) = 473.68421052631567
Cent (16/38) = 505.2631578947369
Cent (17/38) = 536.8421052631578
Cent (18/38) = 568.421052631579
Cent (19/38) = 600.0000000000001
Cent (20/38) = 631.5789473684207
Cent (21/38) = 663.1578947368422
Cent (22/38) = 694.7368421052632
Cent (23/38) = 726.3157894736842
Cent (24/38) = 757.8947368421052
Cent (25/38) = 789.4736842105266
Cent (26/38) = 821.0526315789474
Cent (27/38) = 852.6315789473684
Cent (28/38) = 884.2105263157895
Cent (29/38) = 915.7894736842106
Cent (30/38) = 947.3684210526316
Cent (31/38) = 978.9473684210523
Cent (32/38) = 1010.5263157894736
Cent (33/38) = 1042.1052631578948
Cent (34/38) = 1073.6842105263158
Cent (35/38) = 1105.2631578947369
Cent (36/38) = 1136.842105263158
Cent (37/38) = 1168.421052631579
Cent (38/38) = 1200

Number of semi-tones = 39

Cent (0/39) = 0
Cent (1/39) = 30.76923076923063
Cent (2/39) = 61.53846153846154
Cent (3/39) = 92.30769230769229
Cent (4/39) = 123.07692307692305
Cent (5/39) = 153.84615384615398
Cent (6/39) = 184.6153846153845
Cent (7/39) = 215.38461538461553

Cent (8/39) = 246.1538461538461
Cent (9/39) = 276.92307692307685
Cent (10/39) = 307.69230769230774
Cent (11/39) = 338.46153846153834
Cent (12/39) = 369.2307692307693
Cent (13/39) = 399.9999999999998
Cent (14/39) = 430.76923076923083
Cent (15/39) = 461.53846153846155
Cent (16/39) = 492.3076923076924
Cent (17/39) = 523.0769230769232
Cent (18/39) = 553.8461538461539
Cent (19/39) = 584.6153846153846
Cent (20/39) = 615.3846153846154
Cent (21/39) = 646.1538461538463
Cent (22/39) = 676.9230769230768
Cent (23/39) = 707.6923076923076
Cent (24/39) = 738.4615384615387
Cent (25/39) = 769.2307692307693
Cent (26/39) = 800.0000000000002
Cent (27/39) = 830.7692307692308
Cent (28/39) = 861.5384615384614
Cent (29/39) = 892.3076923076924
Cent (30/39) = 923.0769230769231
Cent (31/39) = 953.8461538461538
Cent (32/39) = 984.6153846153846
Cent (33/39) = 1015.3846153846154
Cent (34/39) = 1046.1538461538464
Cent (35/39) = 1076.923076923077
Cent (36/39) = 1107.6923076923078
Cent (37/39) = 1138.4615384615383
Cent (38/39) = 1169.2307692307693
Cent (39/39) = 1200

Number of semi-tones = 40

Cent (0/40) = 0
Cent (1/40) = 29.99999999999983
Cent (2/40) = 60.000000000000135
Cent (3/40) = 89.99999999999984
Cent (4/40) = 119.99999999999994
Cent (5/40) = 150.00000000000003
Cent (6/40) = 180.00000000000001
Cent (7/40) = 209.99999999999999
Cent (8/40) = 240.00000000000001
Cent (9/40) = 270.00000000000006
Cent (10/40) = 299.99999999999994
Cent (11/40) = 330.00000000000006
Cent (12/40) = 360.00000000000006
Cent (13/40) = 390
Cent (14/40) = 420.00000000000006
Cent (15/40) = 450.00000000000002
Cent (16/40) = 480
Cent (17/40) = 510.00000000000006
Cent (18/40) = 540.00000000000001
Cent (19/40) = 570
Cent (20/40) = 600.00000000000001
Cent (21/40) = 630.00000000000003
Cent (22/40) = 660
Cent (23/40) = 690.00000000000003
Cent (24/40) = 719.99999999999999
Cent (25/40) = 749.99999999999999

Cent (26/40) = 780.00000000000001
Cent (27/40) = 810.00000000000001
Cent (28/40) = 840
Cent (29/40) = 869.9999999999999
Cent (30/40) = 900
Cent (31/40) = 930.00000000000001
Cent (32/40) = 960.00000000000001
Cent (33/40) = 989.9999999999999
Cent (34/40) = 1020
Cent (35/40) = 1050
Cent (36/40) = 1079.9999999999998
Cent (37/40) = 1110.00000000000002
Cent (38/40) = 1140.00000000000002
Cent (39/40) = 1170
Cent (40/40) = 1200

Number of semi-tones = 41

Cent (0/41) = 0
Cent (1/41) = 29.268292682926877
Cent (2/41) = 58.53658536585357
Cent (3/41) = 87.80487804878048
Cent (4/41) = 117.07317073170749
Cent (5/41) = 146.3414634146343
Cent (6/41) = 175.60975609756093
Cent (7/41) = 204.87804878048786
Cent (8/41) = 234.14634146341476
Cent (9/41) = 263.41463414634154
Cent (10/41) = 292.6829268292681
Cent (11/41) = 321.9512195121949
Cent (12/41) = 351.2195121951218
Cent (13/41) = 380.48780487804873
Cent (14/41) = 409.7560975609757
Cent (15/41) = 439.0243902439026
Cent (16/41) = 468.2926829268294
Cent (17/41) = 497.5609756097559
Cent (18/41) = 526.8292682926831
Cent (19/41) = 556.0975609756099
Cent (20/41) = 585.3658536585367
Cent (21/41) = 614.6341463414635
Cent (22/41) = 643.9024390243903
Cent (23/41) = 673.1707317073173
Cent (24/41) = 702.4390243902441
Cent (25/41) = 731.7073170731708
Cent (26/41) = 760.9756097560975
Cent (27/41) = 790.2439024390244
Cent (28/41) = 819.5121951219514
Cent (29/41) = 848.7804878048779
Cent (30/41) = 878.048780487805
Cent (31/41) = 907.3170731707319
Cent (32/41) = 936.5853658536586
Cent (33/41) = 965.8536585365855
Cent (34/41) = 995.1219512195123
Cent (35/41) = 1024.3902439024391
Cent (36/41) = 1053.658536585366
Cent (37/41) = 1082.9268292682927
Cent (38/41) = 1112.1951219512198
Cent (39/41) = 1141.4634146341464
Cent (40/41) = 1170.7317073170732
Cent (41/41) = 1200

Number of semi-tones = 42

Cent (0/42) = 0
Cent (1/42) = 28.571428571428513
Cent (2/42) = 57.142857142857125
Cent (3/42) = 85.71428571428575
Cent (4/42) = 114.28571428571412
Cent (5/42) = 142.85714285714278
Cent (6/42) = 171.4285714285713
Cent (7/42) = 200.00000000000006
Cent (8/42) = 228.5714285714286
Cent (9/42) = 257.14285714285705
Cent (10/42) = 285.7142857142856
Cent (11/42) = 314.2857142857143
Cent (12/42) = 342.8571428571428
Cent (13/42) = 371.4285714285712
Cent (14/42) = 399.99999999999998
Cent (15/42) = 428.57142857142856
Cent (16/42) = 457.1428571428571
Cent (17/42) = 485.7142857142858
Cent (18/42) = 514.2857142857143
Cent (19/42) = 542.8571428571428
Cent (20/42) = 571.4285714285713
Cent (21/42) = 600.00000000000001
Cent (22/42) = 628.5714285714286
Cent (23/42) = 657.1428571428573
Cent (24/42) = 685.7142857142858
Cent (25/42) = 714.2857142857147
Cent (26/42) = 742.8571428571427
Cent (27/42) = 771.4285714285717
Cent (28/42) = 800.00000000000002
Cent (29/42) = 828.5714285714284
Cent (30/42) = 857.1428571428572
Cent (31/42) = 885.7142857142858
Cent (32/42) = 914.2857142857143
Cent (33/42) = 942.8571428571427
Cent (34/42) = 971.4285714285714
Cent (35/42) = 1000.00000000000001
Cent (36/42) = 1028.5714285714284
Cent (37/42) = 1057.142857142857
Cent (38/42) = 1085.7142857142858
Cent (39/42) = 1114.285714285714
Cent (40/42) = 1142.8571428571427
Cent (41/42) = 1171.4285714285716
Cent (42/42) = 1200

Number of semi-tones = 43

Cent (0/43) = 0
Cent (1/43) = 27.90697674418616
Cent (2/43) = 55.81395348837216
Cent (3/43) = 83.72093023255815
Cent (4/43) = 111.62790697674423
Cent (5/43) = 139.53488372093014
Cent (6/43) = 167.44186046511638
Cent (7/43) = 195.34883720930253
Cent (8/43) = 223.2558139534882
Cent (9/43) = 251.16279069767427
Cent (10/43) = 279.06976744186034
Cent (11/43) = 306.97674418604646
Cent (12/43) = 334.88372093023247
Cent (13/43) = 362.7906976744184

Cent (14/43) = 390.6976744186048
Cent (15/43) = 418.6046511627909
Cent (16/43) = 446.5116279069768
Cent (17/43) = 474.41860465116264
Cent (18/43) = 502.32558139534893
Cent (19/43) = 530.2325581395348
Cent (20/43) = 558.139534883721
Cent (21/43) = 586.0465116279066
Cent (22/43) = 613.9534883720931
Cent (23/43) = 641.8604651162793
Cent (24/43) = 669.7674418604647
Cent (25/43) = 697.6744186046511
Cent (26/43) = 725.5813953488373
Cent (27/43) = 753.4883720930234
Cent (28/43) = 781.3953488372092
Cent (29/43) = 809.3023255813955
Cent (30/43) = 837.2093023255815
Cent (31/43) = 865.1162790697672
Cent (32/43) = 893.0232558139536
Cent (33/43) = 920.9302325581396
Cent (34/43) = 948.8372093023255
Cent (35/43) = 976.7441860465118
Cent (36/43) = 1004.6511627906975
Cent (37/43) = 1032.5581395348838
Cent (38/43) = 1060.46511627907
Cent (39/43) = 1088.3720930232557
Cent (40/43) = 1116.2790697674418
Cent (41/43) = 1144.186046511628
Cent (42/43) = 1172.093023255814
Cent (43/43) = 1200

Number of semi-tones = 44

Cent (0/44) = 0
Cent (1/44) = 27.27272727272723
Cent (2/44) = 54.54545454545451
Cent (3/44) = 81.81818181818183
Cent (4/44) = 109.09090909090908
Cent (5/44) = 136.36363636363654
Cent (6/44) = 163.63636363636346
Cent (7/44) = 190.90909090909105
Cent (8/44) = 218.18181818181827
Cent (9/44) = 245.45454545454547
Cent (10/44) = 272.7272727272728
Cent (11/44) = 299.99999999999994
Cent (12/44) = 327.27272727272714
Cent (13/44) = 354.54545454545456
Cent (14/44) = 381.81818181818182
Cent (15/44) = 409.09090909090895
Cent (16/44) = 436.3636363636363
Cent (17/44) = 463.6363636363637
Cent (18/44) = 490.9090909090911
Cent (19/44) = 518.1818181818181
Cent (20/44) = 545.4545454545454
Cent (21/44) = 572.7272727272726
Cent (22/44) = 600.0000000000001
Cent (23/44) = 627.2727272727273
Cent (24/44) = 654.5454545454545
Cent (25/44) = 681.8181818181815
Cent (26/44) = 709.0909090909091
Cent (27/44) = 736.3636363636366

Cent (28/44) = 763.6363636363637
Cent (29/44) = 790.9090909090909
Cent (30/44) = 818.1818181818181
Cent (31/44) = 845.4545454545456
Cent (32/44) = 872.7272727272729
Cent (33/44) = 900
Cent (34/44) = 927.2727272727271
Cent (35/44) = 954.5454545454547
Cent (36/44) = 981.8181818181819
Cent (37/44) = 1009.0909090909089
Cent (38/44) = 1036.3636363636363
Cent (39/44) = 1063.636363636364
Cent (40/44) = 1090.9090909090908
Cent (41/44) = 1118.181818181818
Cent (42/44) = 1145.4545454545457
Cent (43/44) = 1172.7272727272727
Cent (44/44) = 1200

Number of semi-tones = 45

Cent (0/45) = 0
Cent (1/45) = 26.666666666666796
Cent (2/45) = 53.33333333333332
Cent (3/45) = 80.00000000000003
Cent (4/45) = 106.66666666666654
Cent (5/45) = 133.33333333333326
Cent (6/45) = 159.99999999999991
Cent (7/45) = 186.66666666666663
Cent (8/45) = 213.33333333333343
Cent (9/45) = 240.00000000000001
Cent (10/45) = 266.6666666666669
Cent (11/45) = 293.33333333333337
Cent (12/45) = 319.99999999999994
Cent (13/45) = 346.66666666666674
Cent (14/45) = 373.33333333333337
Cent (15/45) = 399.99999999999998
Cent (16/45) = 426.66666666666666
Cent (17/45) = 453.33333333333335
Cent (18/45) = 480
Cent (19/45) = 506.6666666666665
Cent (20/45) = 533.33333333333333
Cent (21/45) = 560
Cent (22/45) = 586.66666666666666
Cent (23/45) = 613.33333333333334
Cent (24/45) = 640.00000000000003
Cent (25/45) = 666.6666666666667
Cent (26/45) = 693.33333333333329
Cent (27/45) = 719.99999999999999
Cent (28/45) = 746.66666666666667
Cent (29/45) = 773.33333333333333
Cent (30/45) = 800.00000000000002
Cent (31/45) = 826.66666666666667
Cent (32/45) = 853.33333333333334
Cent (33/45) = 880.00000000000002
Cent (34/45) = 906.6666666666669
Cent (35/45) = 933.33333333333334
Cent (36/45) = 960.00000000000001
Cent (37/45) = 986.6666666666665
Cent (38/45) = 1013.33333333333333
Cent (39/45) = 1040
Cent (40/45) = 1066.6666666666665

Cent (41/45) = 1093.3333333333333
Cent (42/45) = 1120.0000000000002
Cent (43/45) = 1146.6666666666667
Cent (44/45) = 1173.3333333333335
Cent (45/45) = 1200

Number of semi-tones = 46

Cent (0/46) = 0
Cent (1/46) = 26.086956521739243
Cent (2/46) = 52.173913043478386
Cent (3/46) = 78.26086956521723
Cent (4/46) = 104.34782608695662
Cent (5/46) = 130.43478260869549
Cent (6/46) = 156.52173913043484
Cent (7/46) = 182.608695652174
Cent (8/46) = 208.69565217391295
Cent (9/46) = 234.78260869565224
Cent (10/46) = 260.86956521739125
Cent (11/46) = 286.95652173913055
Cent (12/46) = 313.04347826086956
Cent (13/46) = 339.1304347826087
Cent (14/46) = 365.2173913043476
Cent (15/46) = 391.304347826087
Cent (16/46) = 417.3913043478262
Cent (17/46) = 443.47826086956525
Cent (18/46) = 469.56521739130426
Cent (19/46) = 495.65217391304355
Cent (20/46) = 521.7391304347822
Cent (21/46) = 547.8260869565216
Cent (22/46) = 573.9130434782609
Cent (23/46) = 600.0000000000001
Cent (24/46) = 626.0869565217391
Cent (25/46) = 652.173913043478
Cent (26/46) = 678.2608695652173
Cent (27/46) = 704.3478260869566
Cent (28/46) = 730.4347826086956
Cent (29/46) = 756.5217391304349
Cent (30/46) = 782.608695652174
Cent (31/46) = 808.6956521739131
Cent (32/46) = 834.782608695652
Cent (33/46) = 860.8695652173911
Cent (34/46) = 886.9565217391304
Cent (35/46) = 913.0434782608698
Cent (36/46) = 939.1304347826086
Cent (37/46) = 965.217391304348
Cent (38/46) = 991.304347826087
Cent (39/46) = 1017.3913043478261
Cent (40/46) = 1043.4782608695652
Cent (41/46) = 1069.5652173913043
Cent (42/46) = 1095.6521739130435
Cent (43/46) = 1121.7391304347827
Cent (44/46) = 1147.8260869565217
Cent (45/46) = 1173.913043478261
Cent (46/46) = 1200

Number of semi-tones = 47

Cent (0/47) = 0
Cent (1/47) = 25.531914893616857
Cent (2/47) = 51.06382978723388
Cent (3/47) = 76.59574468085098

Cent (4/47) = 102.12765957446791
Cent (5/47) = 127.65957446808505
Cent (6/47) = 153.19148936170217
Cent (7/47) = 178.72340425531905
Cent (8/47) = 204.2553191489362
Cent (9/47) = 229.78723404255328
Cent (10/47) = 255.3191489361702
Cent (11/47) = 280.8510638297874
Cent (12/47) = 306.3829787234043
Cent (13/47) = 331.91489361702145
Cent (14/47) = 357.4468085106383
Cent (15/47) = 382.9787234042555
Cent (16/47) = 408.5106382978725
Cent (17/47) = 434.0425531914894
Cent (18/47) = 459.5744680851064
Cent (19/47) = 485.1063829787234
Cent (20/47) = 510.6382978723405
Cent (21/47) = 536.1702127659576
Cent (22/47) = 561.7021276595744
Cent (23/47) = 587.2340425531914
Cent (24/47) = 612.7659574468084
Cent (25/47) = 638.2978723404256
Cent (26/47) = 663.8297872340426
Cent (27/47) = 689.3617021276599
Cent (28/47) = 714.8936170212766
Cent (29/47) = 740.4255319148937
Cent (30/47) = 765.9574468085107
Cent (31/47) = 791.4893617021277
Cent (32/47) = 817.0212765957448
Cent (33/47) = 842.5531914893618
Cent (34/47) = 868.0851063829788
Cent (35/47) = 893.6170212765958
Cent (36/47) = 919.1489361702128
Cent (37/47) = 944.6808510638299
Cent (38/47) = 970.2127659574468
Cent (39/47) = 995.7446808510635
Cent (40/47) = 1021.2765957446809
Cent (41/47) = 1046.8085106382978
Cent (42/47) = 1072.340425531915
Cent (43/47) = 1097.872340425532
Cent (44/47) = 1123.4042553191491
Cent (45/47) = 1148.936170212766
Cent (46/47) = 1174.468085106383
Cent (47/47) = 1200

Number of semi-tones = 48

Cent (0/48) = 0
Cent (1/48) = 25.00000000000018
Cent (2/48) = 50.00000000000008
Cent (3/48) = 74.99999999999986
Cent (4/48) = 100.00000000000009
Cent (5/48) = 125.00000000000003
Cent (6/48) = 150.00000000000003
Cent (7/48) = 175.00000000000002
Cent (8/48) = 200.00000000000006
Cent (9/48) = 224.99999999999999
Cent (10/48) = 249.99999999999991
Cent (11/48) = 275.00000000000001
Cent (12/48) = 299.99999999999994
Cent (13/48) = 324.99999999999994

Cent (14/48) = 350.00000000000001
Cent (15/48) = 374.99999999999994
Cent (16/48) = 399.99999999999998
Cent (17/48) = 424.99999999999983
Cent (18/48) = 450.00000000000002
Cent (19/48) = 475.00000000000017
Cent (20/48) = 500.00000000000006
Cent (21/48) = 524.99999999999999
Cent (22/48) = 550
Cent (23/48) = 575.00000000000001
Cent (24/48) = 600.00000000000001
Cent (25/48) = 625
Cent (26/48) = 650
Cent (27/48) = 675.00000000000001
Cent (28/48) = 700.00000000000001
Cent (29/48) = 725.00000000000001
Cent (30/48) = 749.99999999999999
Cent (31/48) = 775.00000000000001
Cent (32/48) = 800.00000000000002
Cent (33/48) = 825
Cent (34/48) = 850.00000000000002
Cent (35/48) = 875
Cent (36/48) = 900
Cent (37/48) = 925
Cent (38/48) = 950
Cent (39/48) = 975
Cent (40/48) = 1000.00000000000001
Cent (41/48) = 1025
Cent (42/48) = 1050
Cent (43/48) = 1075
Cent (44/48) = 1099.99999999999998
Cent (45/48) = 1125.00000000000002
Cent (46/48) = 1150
Cent (47/48) = 1175.00000000000002
Cent (48/48) = 1200

Number of semi-tones = 49

Cent (0/49) = 0
Cent (1/49) = 24.489795918367385
Cent (2/49) = 48.979591836734805
Cent (3/49) = 73.46938775510222
Cent (4/49) = 97.95918367346923
Cent (5/49) = 122.44897959183677
Cent (6/49) = 146.93877551020395
Cent (7/49) = 171.4285714285713
Cent (8/49) = 195.91836734693874
Cent (9/49) = 220.4081632653062
Cent (10/49) = 244.89795918367344
Cent (11/49) = 269.3877551020407
Cent (12/49) = 293.87755102040825
Cent (13/49) = 318.3673469387757
Cent (14/49) = 342.8571428571428
Cent (15/49) = 367.34693877550984
Cent (16/49) = 391.83673469387764
Cent (17/49) = 416.32653061224494
Cent (18/49) = 440.81632653061206
Cent (19/49) = 465.30612244897964
Cent (20/49) = 489.79591836734727
Cent (21/49) = 514.2857142857143
Cent (22/49) = 538.7755102040818

Cent (23/49) = 563.265306122449
Cent (24/49) = 587.7551020408166
Cent (25/49) = 612.2448979591837
Cent (26/49) = 636.7346938775514
Cent (27/49) = 661.2244897959183
Cent (28/49) = 685.7142857142858
Cent (29/49) = 710.204081632653
Cent (30/49) = 734.6938775510204
Cent (31/49) = 759.183673469388
Cent (32/49) = 783.6734693877552
Cent (33/49) = 808.1632653061225
Cent (34/49) = 832.6530612244898
Cent (35/49) = 857.1428571428572
Cent (36/49) = 881.6326530612245
Cent (37/49) = 906.1224489795916
Cent (38/49) = 930.612244897959
Cent (39/49) = 955.1020408163265
Cent (40/49) = 979.5918367346941
Cent (41/49) = 1004.0816326530611
Cent (42/49) = 1028.5714285714284
Cent (43/49) = 1053.061224489796
Cent (44/49) = 1077.5510204081631
Cent (45/49) = 1102.0408163265306
Cent (46/49) = 1126.530612244898
Cent (47/49) = 1151.0204081632653
Cent (48/49) = 1175.5102040816325
Cent (49/49) = 1200

Number of semi-tones = 50

Cent (0/50) = 0
Cent (1/50) = 23.999999999999925
Cent (2/50) = 48.000000000000006
Cent (3/50) = 72.000000000000004
Cent (4/50) = 95.999999999999983
Cent (5/50) = 119.999999999999994
Cent (6/50) = 143.999999999999983
Cent (7/50) = 167.999999999999994
Cent (8/50) = 192.000000000000009
Cent (9/50) = 215.99999999999999
Cent (10/50) = 240.000000000000001
Cent (11/50) = 264
Cent (12/50) = 287.999999999999955
Cent (13/50) = 311.99999999999999
Cent (14/50) = 336.000000000000017
Cent (15/50) = 360.000000000000006
Cent (16/50) = 384
Cent (17/50) = 407.999999999999994
Cent (18/50) = 432.000000000000001
Cent (19/50) = 456
Cent (20/50) = 480
Cent (21/50) = 504
Cent (22/50) = 527.99999999999999
Cent (23/50) = 552.000000000000002
Cent (24/50) = 576.000000000000002
Cent (25/50) = 600.000000000000001
Cent (26/50) = 624
Cent (27/50) = 648.000000000000001
Cent (28/50) = 672
Cent (29/50) = 695.99999999999999
Cent (30/50) = 719.99999999999999

Cent (31/50) = 744.00000000000001
Cent (32/50) = 768.00000000000001
Cent (33/50) = 792.00000000000002
Cent (34/50) = 816.00000000000001
Cent (35/50) = 840
Cent (36/50) = 864
Cent (37/50) = 888.00000000000001
Cent (38/50) = 912
Cent (39/50) = 935.9999999999999
Cent (40/50) = 960.00000000000001
Cent (41/50) = 983.9999999999998
Cent (42/50) = 1008.00000000000001
Cent (43/50) = 1032
Cent (44/50) = 1056
Cent (45/50) = 1079.9999999999998
Cent (46/50) = 1104
Cent (47/50) = 1128
Cent (48/50) = 1152
Cent (49/50) = 1176
Cent (50/50) = 1200

Number of semi-tones = 51

Cent (0/51) = 0
Cent (1/51) = 23.52941176470604
Cent (2/51) = 47.05882352941179
Cent (3/51) = 70.58823529411771
Cent (4/51) = 94.11764705882358
Cent (5/51) = 117.64705882352943
Cent (6/51) = 141.17647058823525
Cent (7/51) = 164.70588235294105
Cent (8/51) = 188.23529411764713
Cent (9/51) = 211.76470588235293
Cent (10/51) = 235.29411764705887
Cent (11/51) = 258.82352941176475
Cent (12/51) = 282.3529411764706
Cent (13/51) = 305.8823529411764
Cent (14/51) = 329.41176470588255
Cent (15/51) = 352.94117647058835
Cent (16/51) = 376.4705882352941
Cent (17/51) = 399.99999999999998
Cent (18/51) = 423.529411764706
Cent (19/51) = 447.05882352941177
Cent (20/51) = 470.5882352941178
Cent (21/51) = 494.1176470588235
Cent (22/51) = 517.6470588235296
Cent (23/51) = 541.1764705882352
Cent (24/51) = 564.7058823529412
Cent (25/51) = 588.2352941176471
Cent (26/51) = 611.7647058823533
Cent (27/51) = 635.294117647059
Cent (28/51) = 658.8235294117648
Cent (29/51) = 682.3529411764706
Cent (30/51) = 705.8823529411765
Cent (31/51) = 729.4117647058825
Cent (32/51) = 752.9411764705884
Cent (33/51) = 776.4705882352941
Cent (34/51) = 800.00000000000002
Cent (35/51) = 823.529411764706
Cent (36/51) = 847.0588235294117
Cent (37/51) = 870.5882352941175

Cent (38/51) = 894.1176470588235
Cent (39/51) = 917.6470588235295
Cent (40/51) = 941.1764705882356
Cent (41/51) = 964.7058823529413
Cent (42/51) = 988.235294117647
Cent (43/51) = 1011.7647058823529
Cent (44/51) = 1035.2941176470588
Cent (45/51) = 1058.8235294117646
Cent (46/51) = 1082.3529411764707
Cent (47/51) = 1105.8823529411764
Cent (48/51) = 1129.4117647058824
Cent (49/51) = 1152.941176470588
Cent (50/51) = 1176.4705882352941
Cent (51/51) = 1200

Number of semi-tones = 52

Cent (0/52) = 0
Cent (1/52) = 23.07692307692312
Cent (2/52) = 46.15384615384626
Cent (3/52) = 69.23076923076914
Cent (4/52) = 92.30769230769229
Cent (5/52) = 115.3846153846155
Cent (6/52) = 138.4615384615385
Cent (7/52) = 161.53846153846166
Cent (8/52) = 184.6153846153845
Cent (9/52) = 207.69230769230782
Cent (10/52) = 230.76923076923077
Cent (11/52) = 253.8461538461538
Cent (12/52) = 276.92307692307685
Cent (13/52) = 299.99999999999994
Cent (14/52) = 323.07692307692315
Cent (15/52) = 346.15384615384625
Cent (16/52) = 369.2307692307693
Cent (17/52) = 392.30769230769243
Cent (18/52) = 415.38461538461536
Cent (19/52) = 438.4615384615383
Cent (20/52) = 461.53846153846155
Cent (21/52) = 484.61538461538464
Cent (22/52) = 507.6923076923077
Cent (23/52) = 530.7692307692305
Cent (24/52) = 553.8461538461539
Cent (25/52) = 576.9230769230769
Cent (26/52) = 600.0000000000001
Cent (27/52) = 623.0769230769232
Cent (28/52) = 646.1538461538463
Cent (29/52) = 669.2307692307692
Cent (30/52) = 692.3076923076922
Cent (31/52) = 715.3846153846154
Cent (32/52) = 738.4615384615387
Cent (33/52) = 761.5384615384613
Cent (34/52) = 784.6153846153848
Cent (35/52) = 807.6923076923077
Cent (36/52) = 830.7692307692308
Cent (37/52) = 853.8461538461539
Cent (38/52) = 876.9230769230769
Cent (39/52) = 900
Cent (40/52) = 923.0769230769231
Cent (41/52) = 946.1538461538461
Cent (42/52) = 969.2307692307693
Cent (43/52) = 992.3076923076922

Cent (44/52) = 1015.3846153846154
Cent (45/52) = 1038.4615384615386
Cent (46/52) = 1061.5384615384614
Cent (47/52) = 1084.6153846153848
Cent (48/52) = 1107.6923076923078
Cent (49/52) = 1130.7692307692307
Cent (50/52) = 1153.846153846154
Cent (51/52) = 1176.9230769230767
Cent (52/52) = 1200

Number of semi-tones = 53

Cent (0/53) = 0
Cent (1/53) = 22.641509433962344
Cent (2/53) = 45.283018867924376
Cent (3/53) = 67.92452830188694
Cent (4/53) = 90.5660377358489
Cent (5/53) = 113.20754716981116
Cent (6/53) = 135.84905660377342
Cent (7/53) = 158.49056603773593
Cent (8/53) = 181.13207547169822
Cent (9/53) = 203.77358490566053
Cent (10/53) = 226.4150943396227
Cent (11/53) = 249.05660377358507
Cent (12/53) = 271.6981132075471
Cent (13/53) = 294.33962264150927
Cent (14/53) = 316.98113207547175
Cent (15/53) = 339.62264150943395
Cent (16/53) = 362.26415094339626
Cent (17/53) = 384.9056603773584
Cent (18/53) = 407.54716981132077
Cent (19/53) = 430.1886792452831
Cent (20/53) = 452.83018867924517
Cent (21/53) = 475.47169811320794
Cent (22/53) = 498.1132075471698
Cent (23/53) = 520.7547169811321
Cent (24/53) = 543.3962264150948
Cent (25/53) = 566.0377358490567
Cent (26/53) = 588.6792452830188
Cent (27/53) = 611.3207547169811
Cent (28/53) = 633.9622641509435
Cent (29/53) = 656.6037735849058
Cent (30/53) = 679.2452830188679
Cent (31/53) = 701.8867924528303
Cent (32/53) = 724.5283018867927
Cent (33/53) = 747.1698113207545
Cent (34/53) = 769.8113207547168
Cent (35/53) = 792.4528301886792
Cent (36/53) = 815.0943396226415
Cent (37/53) = 837.7358490566038
Cent (38/53) = 860.3773584905662
Cent (39/53) = 883.018867924528
Cent (40/53) = 905.6603773584907
Cent (41/53) = 928.3018867924527
Cent (42/53) = 950.9433962264151
Cent (43/53) = 973.5849056603774
Cent (44/53) = 996.2264150943396
Cent (45/53) = 1018.867924528302
Cent (46/53) = 1041.5094339622642
Cent (47/53) = 1064.1509433962265
Cent (48/53) = 1086.792452830189

Cent (49/53) = 1109.433962264151
Cent (50/53) = 1132.0754716981135
Cent (51/53) = 1154.7169811320755
Cent (52/53) = 1177.3584905660375
Cent (53/53) = 1200

Number of semi-tones = 54

Cent (0/54) = 0
Cent (1/54) = 22.22222222222241
Cent (2/54) = 44.44444444444462
Cent (3/54) = 66.66666666666666
Cent (4/54) = 88.88888888888894
Cent (5/54) = 111.11111111111099
Cent (6/54) = 133.3333333333326
Cent (7/54) = 155.5555555555557
Cent (8/54) = 177.7777777777766
Cent (9/54) = 200.0000000000006
Cent (10/54) = 222.222222222221
Cent (11/54) = 244.4444444444446
Cent (12/54) = 266.6666666666669
Cent (13/54) = 288.8888888888885
Cent (14/54) = 311.1111111111109
Cent (15/54) = 333.3333333333333
Cent (16/54) = 355.5555555555566
Cent (17/54) = 377.777777777779
Cent (18/54) = 399.9999999999998
Cent (19/54) = 422.222222222219
Cent (20/54) = 444.4444444444445
Cent (21/54) = 466.6666666666668
Cent (22/54) = 488.8888888888874
Cent (23/54) = 511.1111111111112
Cent (24/54) = 533.3333333333333
Cent (25/54) = 555.5555555555555
Cent (26/54) = 577.777777777779
Cent (27/54) = 600.0000000000001
Cent (28/54) = 622.222222222223
Cent (29/54) = 644.4444444444443
Cent (30/54) = 666.666666666667
Cent (31/54) = 688.8888888888888
Cent (32/54) = 711.1111111111111
Cent (33/54) = 733.3333333333335
Cent (34/54) = 755.5555555555557
Cent (35/54) = 777.7777777777777
Cent (36/54) = 800.0000000000002
Cent (37/54) = 822.222222222223
Cent (38/54) = 844.4444444444446
Cent (39/54) = 866.6666666666665
Cent (40/54) = 888.8888888888888
Cent (41/54) = 911.1111111111113
Cent (42/54) = 933.3333333333334
Cent (43/54) = 955.5555555555555
Cent (44/54) = 977.777777777778
Cent (45/54) = 1000.0000000000001
Cent (46/54) = 1022.222222222224
Cent (47/54) = 1044.4444444444443
Cent (48/54) = 1066.6666666666665
Cent (49/54) = 1088.8888888888891
Cent (50/54) = 1111.1111111111111
Cent (51/54) = 1133.3333333333333
Cent (52/54) = 1155.5555555555554

Cent (53/54) = 1177.777777777776
Cent (54/54) = 1200

Number of semi-tones = 55

Cent (0/55) = 0
Cent (1/55) = 21.818181818181802
Cent (2/55) = 43.636363636363534
Cent (3/55) = 65.45454545454538
Cent (4/55) = 87.27272727272742
Cent (5/55) = 109.09090909090908
Cent (6/55) = 130.90909090909102
Cent (7/55) = 152.72727272727266
Cent (8/55) = 174.54545454545462
Cent (9/55) = 196.36363636363623
Cent (10/55) = 218.18181818181827
Cent (11/55) = 240.00000000000001
Cent (12/55) = 261.81818181818164
Cent (13/55) = 283.63636363636357
Cent (14/55) = 305.45454545454544
Cent (15/55) = 327.27272727272714
Cent (16/55) = 349.0909090909091
Cent (17/55) = 370.9090909090906
Cent (18/55) = 392.7272727272726
Cent (19/55) = 414.5454545454547
Cent (20/55) = 436.3636363636363
Cent (21/55) = 458.18181818181836
Cent (22/55) = 480
Cent (23/55) = 501.8181818181822
Cent (24/55) = 523.6363636363636
Cent (25/55) = 545.4545454545454
Cent (26/55) = 567.2727272727274
Cent (27/55) = 589.0909090909091
Cent (28/55) = 610.909090909091
Cent (29/55) = 632.7272727272727
Cent (30/55) = 654.5454545454545
Cent (31/55) = 676.363636363636
Cent (32/55) = 698.1818181818182
Cent (33/55) = 719.9999999999999
Cent (34/55) = 741.8181818181818
Cent (35/55) = 763.6363636363637
Cent (36/55) = 785.4545454545455
Cent (37/55) = 807.2727272727274
Cent (38/55) = 829.0909090909092
Cent (39/55) = 850.9090909090907
Cent (40/55) = 872.7272727272729
Cent (41/55) = 894.5454545454547
Cent (42/55) = 916.3636363636363
Cent (43/55) = 938.1818181818181
Cent (44/55) = 960.00000000000001
Cent (45/55) = 981.8181818181819
Cent (46/55) = 1003.6363636363636
Cent (47/55) = 1025.4545454545455
Cent (48/55) = 1047.2727272727273
Cent (49/55) = 1069.0909090909092
Cent (50/55) = 1090.9090909090908
Cent (51/55) = 1112.7272727272727
Cent (52/55) = 1134.5454545454545
Cent (53/55) = 1156.3636363636365
Cent (54/55) = 1178.181818181818
Cent (55/55) = 1200

Number of semi-tones = 56

Cent (0/56) = 0
Cent (1/56) = 21.428571428571342
Cent (2/56) = 42.85714285714292
Cent (3/56) = 64.28571428571423
Cent (4/56) = 85.71428571428575
Cent (5/56) = 107.14285714285732
Cent (6/56) = 128.57142857142838
Cent (7/56) = 150.00000000000003
Cent (8/56) = 171.4285714285713
Cent (9/56) = 192.8571428571429
Cent (10/56) = 214.28571428571445
Cent (11/56) = 235.71428571428575
Cent (12/56) = 257.14285714285705
Cent (13/56) = 278.57142857142867
Cent (14/56) = 299.99999999999994
Cent (15/56) = 321.4285714285715
Cent (16/56) = 342.8571428571428
Cent (17/56) = 364.28571428571433
Cent (18/56) = 385.7142857142856
Cent (19/56) = 407.1428571428573
Cent (20/56) = 428.57142857142856
Cent (21/56) = 450.00000000000002
Cent (22/56) = 471.42857142857133
Cent (23/56) = 492.85714285714306
Cent (24/56) = 514.2857142857143
Cent (25/56) = 535.7142857142853
Cent (26/56) = 557.1428571428572
Cent (27/56) = 578.5714285714286
Cent (28/56) = 600.00000000000001
Cent (29/56) = 621.4285714285716
Cent (30/56) = 642.857142857143
Cent (31/56) = 664.285714285714
Cent (32/56) = 685.7142857142858
Cent (33/56) = 707.142857142857
Cent (34/56) = 728.5714285714288
Cent (35/56) = 749.99999999999999
Cent (36/56) = 771.4285714285717
Cent (37/56) = 792.8571428571431
Cent (38/56) = 814.2857142857144
Cent (39/56) = 835.7142857142857
Cent (40/56) = 857.1428571428572
Cent (41/56) = 878.5714285714286
Cent (42/56) = 900
Cent (43/56) = 921.4285714285714
Cent (44/56) = 942.8571428571427
Cent (45/56) = 964.2857142857144
Cent (46/56) = 985.7142857142858
Cent (47/56) = 1007.1428571428572
Cent (48/56) = 1028.5714285714284
Cent (49/56) = 1050
Cent (50/56) = 1071.4285714285716
Cent (51/56) = 1092.857142857143
Cent (52/56) = 1114.285714285714
Cent (53/56) = 1135.7142857142858
Cent (54/56) = 1157.1428571428569
Cent (55/56) = 1178.5714285714282
Cent (56/56) = 1200

Number of semi-tones = 57
Cent (0/57) = 0
Cent (1/57) = 21.052631578947494
Cent (2/57) = 42.105263157894704
Cent (3/57) = 63.157894736841946
Cent (4/57) = 84.21052631578947
Cent (5/57) = 105.26315789473699
Cent (6/57) = 126.31578947368416
Cent (7/57) = 147.36842105263148
Cent (8/57) = 168.42105263157882
Cent (9/57) = 189.47368421052613
Cent (10/57) = 210.52631578947356
Cent (11/57) = 231.57894736842096
Cent (12/57) = 252.63157894736835
Cent (13/57) = 273.68421052631567
Cent (14/57) = 294.7368421052632
Cent (15/57) = 315.7894736842107
Cent (16/57) = 336.8421052631579
Cent (17/57) = 357.8947368421052
Cent (18/57) = 378.9473684210526
Cent (19/57) = 399.9999999999998
Cent (20/57) = 421.0526315789472
Cent (21/57) = 442.1052631578949
Cent (22/57) = 463.1578947368421
Cent (23/57) = 484.21052631578954
Cent (24/57) = 505.2631578947369
Cent (25/57) = 526.3157894736843
Cent (26/57) = 547.3684210526313
Cent (27/57) = 568.421052631579
Cent (28/57) = 589.4736842105264
Cent (29/57) = 610.5263157894739
Cent (30/57) = 631.5789473684207
Cent (31/57) = 652.6315789473687
Cent (32/57) = 673.6842105263157
Cent (33/57) = 694.7368421052632
Cent (34/57) = 715.7894736842104
Cent (35/57) = 736.8421052631577
Cent (36/57) = 757.8947368421052
Cent (37/57) = 778.9473684210527
Cent (38/57) = 800.0000000000002
Cent (39/57) = 821.0526315789474
Cent (40/57) = 842.1052631578948
Cent (41/57) = 863.1578947368423
Cent (42/57) = 884.2105263157895
Cent (43/57) = 905.263157894737
Cent (44/57) = 926.3157894736842
Cent (45/57) = 947.3684210526316
Cent (46/57) = 968.4210526315791
Cent (47/57) = 989.4736842105262
Cent (48/57) = 1010.5263157894736
Cent (49/57) = 1031.578947368421
Cent (50/57) = 1052.6315789473683
Cent (51/57) = 1073.6842105263158
Cent (52/57) = 1094.7368421052631
Cent (53/57) = 1115.7894736842106
Cent (54/57) = 1136.842105263158
Cent (55/57) = 1157.8947368421052
Cent (56/57) = 1178.9473684210527
Cent (57/57) = 1200

Number of semi-tones = 58
Cent (0/58) = 0
Cent (1/58) = 20.68965517241383
Cent (2/58) = 41.37931034482742
Cent (3/58) = 62.06896551724141
Cent (4/58) = 82.75862068965519
Cent (5/58) = 103.44827586206884
Cent (6/58) = 124.13793103448259
Cent (7/58) = 144.8275862068965
Cent (8/58) = 165.51724137931038
Cent (9/58) = 186.2068965517242
Cent (10/58) = 206.89655172413805
Cent (11/58) = 227.58620689655154
Cent (12/58) = 248.27586206896544
Cent (13/58) = 268.96551724137925
Cent (14/58) = 289.655172413793
Cent (15/58) = 310.3448275862068
Cent (16/58) = 331.0344827586207
Cent (17/58) = 351.7241379310349
Cent (18/58) = 372.41379310344826
Cent (19/58) = 393.10344827586215
Cent (20/58) = 413.7931034482759
Cent (21/58) = 434.48275862068965
Cent (22/58) = 455.1724137931034
Cent (23/58) = 475.8620689655174
Cent (24/58) = 496.55172413793093
Cent (25/58) = 517.2413793103447
Cent (26/58) = 537.9310344827586
Cent (27/58) = 558.6206896551722
Cent (28/58) = 579.3103448275862
Cent (29/58) = 600.0000000000001
Cent (30/58) = 620.6896551724138
Cent (31/58) = 641.3793103448277
Cent (32/58) = 662.0689655172413
Cent (33/58) = 682.7586206896553
Cent (34/58) = 703.448275862069
Cent (35/58) = 724.1379310344828
Cent (36/58) = 744.8275862068965
Cent (37/58) = 765.5172413793103
Cent (38/58) = 786.2068965517242
Cent (39/58) = 806.8965517241379
Cent (40/58) = 827.5862068965517
Cent (41/58) = 848.2758620689655
Cent (42/58) = 868.9655172413794
Cent (43/58) = 889.6551724137931
Cent (44/58) = 910.3448275862067
Cent (45/58) = 931.0344827586207
Cent (46/58) = 951.7241379310348
Cent (47/58) = 972.4137931034483
Cent (48/58) = 993.1034482758624
Cent (49/58) = 1013.793103448276
Cent (50/58) = 1034.4827586206895
Cent (51/58) = 1055.1724137931035
Cent (52/58) = 1075.8620689655174
Cent (53/58) = 1096.5517241379312
Cent (54/58) = 1117.2413793103449
Cent (55/58) = 1137.9310344827588
Cent (56/58) = 1158.6206896551723
Cent (57/58) = 1179.3103448275863
Cent (58/58) = 1200

Number of semi-tones = 59
Cent (0/59) = 0
Cent (1/59) = 20.33898305084762
Cent (2/59) = 40.67796610169488
Cent (3/59) = 61.016949152542324
Cent (4/59) = 81.35593220338991
Cent (5/59) = 101.69491525423732
Cent (6/59) = 122.03389830508492
Cent (7/59) = 142.37288135593224
Cent (8/59) = 162.71186440677968
Cent (9/59) = 183.05084745762707
Cent (10/59) = 203.3898305084745
Cent (11/59) = 223.72881355932196
Cent (12/59) = 244.06779661016947
Cent (13/59) = 264.4067796610171
Cent (14/59) = 284.74576271186436
Cent (15/59) = 305.0847457627118
Cent (16/59) = 325.4237288135595
Cent (17/59) = 345.76271186440727
Cent (18/59) = 366.10169491525426
Cent (19/59) = 386.440677966102
Cent (20/59) = 406.7796610169491
Cent (21/59) = 427.11864406779665
Cent (22/59) = 447.45762711864415
Cent (23/59) = 467.7966101694915
Cent (24/59) = 488.13559322033893
Cent (25/59) = 508.47457627118644
Cent (26/59) = 528.8135593220338
Cent (27/59) = 549.1525423728815
Cent (28/59) = 569.4915254237287
Cent (29/59) = 589.8305084745766
Cent (30/59) = 610.1694915254237
Cent (31/59) = 630.5084745762713
Cent (32/59) = 650.8474576271191
Cent (33/59) = 671.186440677966
Cent (34/59) = 691.5254237288136
Cent (35/59) = 711.864406779661
Cent (36/59) = 732.2033898305084
Cent (37/59) = 752.542372881356
Cent (38/59) = 772.8813559322033
Cent (39/59) = 793.2203389830509
Cent (40/59) = 813.5593220338983
Cent (41/59) = 833.8983050847459
Cent (42/59) = 854.2372881355928
Cent (43/59) = 874.5762711864406
Cent (44/59) = 894.9152542372883
Cent (45/59) = 915.2542372881353
Cent (46/59) = 935.5932203389832
Cent (47/59) = 955.9322033898305
Cent (48/59) = 976.2711864406782
Cent (49/59) = 996.6101694915255
Cent (50/59) = 1016.9491525423729
Cent (51/59) = 1037.2881355932202
Cent (52/59) = 1057.6271186440679
Cent (53/59) = 1077.9661016949153
Cent (54/59) = 1098.3050847457628
Cent (55/59) = 1118.6440677966102
Cent (56/59) = 1138.9830508474577
Cent (57/59) = 1159.322033898305

Cent (58/59) = 1179.6610169491528
Cent (59/59) = 1200

Number of semi-tones = 60

Cent (0/60) = 0
Cent (1/60) = 20.000000000000068
Cent (2/60) = 40.000000000000114
Cent (3/60) = 60.000000000000135
Cent (4/60) = 80.000000000000003
Cent (5/60) = 100.000000000000009
Cent (6/60) = 119.99999999999994
Cent (7/60) = 140.000000000000003
Cent (8/60) = 159.99999999999991
Cent (9/60) = 180.000000000000001
Cent (10/60) = 200.000000000000006
Cent (11/60) = 219.99999999999994
Cent (12/60) = 240.000000000000001
Cent (13/60) = 260.000000000000001
Cent (14/60) = 280
Cent (15/60) = 299.99999999999994
Cent (16/60) = 319.99999999999994
Cent (17/60) = 340.000000000000001
Cent (18/60) = 360.000000000000006
Cent (19/60) = 380.000000000000006
Cent (20/60) = 399.99999999999998
Cent (21/60) = 420.000000000000006
Cent (22/60) = 439.99999999999999
Cent (23/60) = 459.99999999999994
Cent (24/60) = 480
Cent (25/60) = 500.000000000000006
Cent (26/60) = 520.000000000000003
Cent (27/60) = 540.000000000000001
Cent (28/60) = 560
Cent (29/60) = 580
Cent (30/60) = 600.000000000000001
Cent (31/60) = 620
Cent (32/60) = 640.000000000000003
Cent (33/60) = 660
Cent (34/60) = 679.99999999999999
Cent (35/60) = 700.000000000000001
Cent (36/60) = 719.99999999999999
Cent (37/60) = 740.000000000000002
Cent (38/60) = 759.99999999999999
Cent (39/60) = 780.000000000000001
Cent (40/60) = 800.000000000000002
Cent (41/60) = 819.99999999999999
Cent (42/60) = 840
Cent (43/60) = 860.000000000000002
Cent (44/60) = 880.000000000000002
Cent (45/60) = 900
Cent (46/60) = 920
Cent (47/60) = 940.000000000000001
Cent (48/60) = 960.000000000000001
Cent (49/60) = 980
Cent (50/60) = 1000.000000000000001
Cent (51/60) = 1020
Cent (52/60) = 1040
Cent (53/60) = 1060
Cent (54/60) = 1079.99999999999998
Cent (55/60) = 1099.99999999999998

Cent (56/60) = 1120.00000000000002
Cent (57/60) = 1140.00000000000002
Cent (58/60) = 1159.99999999999998
Cent (59/60) = 1180
Cent (60/60) = 1200

Number of semi-tones = 61

Cent (0/61) = 0
Cent (1/61) = 19.6721311475408
Cent (2/61) = 39.34426229508178
Cent (3/61) = 59.01639344262312
Cent (4/61) = 78.68852459016404
Cent (5/61) = 98.36065573770486
Cent (6/61) = 118.03278688524608
Cent (7/61) = 137.704918032787
Cent (8/61) = 157.377049180328
Cent (9/61) = 177.04918032786887
Cent (10/61) = 196.72131147540966
Cent (11/61) = 216.39344262295074
Cent (12/61) = 236.06557377049174
Cent (13/61) = 255.73770491803285
Cent (14/61) = 275.40983606557364
Cent (15/61) = 295.0819672131147
Cent (16/61) = 314.75409836065586
Cent (17/61) = 334.4262295081966
Cent (18/61) = 354.09836065573774
Cent (19/61) = 373.77049180327884
Cent (20/61) = 393.44262295081955
Cent (21/61) = 413.11475409836055
Cent (22/61) = 432.78688524590166
Cent (23/61) = 452.4590163934424
Cent (24/61) = 472.1311475409835
Cent (25/61) = 491.8032786885246
Cent (26/61) = 511.47540983606547
Cent (27/61) = 531.1475409836063
Cent (28/61) = 550.8196721311476
Cent (29/61) = 570.4918032786886
Cent (30/61) = 590.1639344262295
Cent (31/61) = 609.8360655737703
Cent (32/61) = 629.5081967213116
Cent (33/61) = 649.1803278688525
Cent (34/61) = 668.8524590163934
Cent (35/61) = 688.5245901639345
Cent (36/61) = 708.1967213114751
Cent (37/61) = 727.8688524590165
Cent (38/61) = 747.5409836065573
Cent (39/61) = 767.2131147540986
Cent (40/61) = 786.8852459016393
Cent (41/61) = 806.5573770491802
Cent (42/61) = 826.2295081967213
Cent (43/61) = 845.9016393442622
Cent (44/61) = 865.5737704918034
Cent (45/61) = 885.2459016393442
Cent (46/61) = 904.9180327868852
Cent (47/61) = 924.5901639344264
Cent (48/61) = 944.2622950819674
Cent (49/61) = 963.9344262295084
Cent (50/61) = 983.6065573770493
Cent (51/61) = 1003.2786885245902
Cent (52/61) = 1022.9508196721312

Cent (53/61) = 1042.622950819672
Cent (54/61) = 1062.295081967213
Cent (55/61) = 1081.9672131147545
Cent (56/61) = 1101.6393442622953
Cent (57/61) = 1121.3114754098362
Cent (58/61) = 1140.983606557377
Cent (59/61) = 1160.655737704918
Cent (60/61) = 1180.3278688524592
Cent (61/61) = 1200

Number of semi-tones = 62

Cent (0/62) = 0
Cent (1/62) = 19.354838709677445
Cent (2/62) = 38.70967741935466
Cent (3/62) = 58.06451612903238
Cent (4/62) = 77.4193548387096
Cent (5/62) = 96.77419354838723
Cent (6/62) = 116.12903225806461
Cent (7/62) = 135.48387096774198
Cent (8/62) = 154.83870967741933
Cent (9/62) = 174.19354838709663
Cent (10/62) = 193.5483870967743
Cent (11/62) = 212.90322580645173
Cent (12/62) = 232.25806451612908
Cent (13/62) = 251.61290322580635
Cent (14/62) = 270.96774193548356
Cent (15/62) = 290.32258064516117
Cent (16/62) = 309.6774193548387
Cent (17/62) = 329.03225806451627
Cent (18/62) = 348.3870967741936
Cent (19/62) = 367.74193548387115
Cent (20/62) = 387.09677419354836
Cent (21/62) = 406.4516129032259
Cent (22/62) = 425.8064516129032
Cent (23/62) = 445.1612903225807
Cent (24/62) = 464.51612903225805
Cent (25/62) = 483.8709677419355
Cent (26/62) = 503.22580645161287
Cent (27/62) = 522.5806451612902
Cent (28/62) = 541.9354838709677
Cent (29/62) = 561.290322580645
Cent (30/62) = 580.6451612903227
Cent (31/62) = 600.0000000000001
Cent (32/62) = 619.3548387096773
Cent (33/62) = 638.7096774193549
Cent (34/62) = 658.0645161290321
Cent (35/62) = 677.4193548387094
Cent (36/62) = 696.7741935483871
Cent (37/62) = 716.1290322580644
Cent (38/62) = 735.4838709677421
Cent (39/62) = 754.8387096774194
Cent (40/62) = 774.1935483870966
Cent (41/62) = 793.548387096774
Cent (42/62) = 812.9032258064515
Cent (43/62) = 832.2580645161291
Cent (44/62) = 851.6129032258066
Cent (45/62) = 870.9677419354839
Cent (46/62) = 890.3225806451611
Cent (47/62) = 909.6774193548389
Cent (48/62) = 929.0322580645161

Cent (49/62) = 948.3870967741934
Cent (50/62) = 967.741935483871
Cent (51/62) = 987.0967741935486
Cent (52/62) = 1006.4516129032259
Cent (53/62) = 1025.8064516129032
Cent (54/62) = 1045.1612903225805
Cent (55/62) = 1064.516129032258
Cent (56/62) = 1083.8709677419354
Cent (57/62) = 1103.2258064516127
Cent (58/62) = 1122.5806451612902
Cent (59/62) = 1141.9354838709678
Cent (60/62) = 1161.2903225806451
Cent (61/62) = 1180.645161290323
Cent (62/62) = 1200

Number of semi-tones = 63

Cent (0/63) = 0
Cent (1/63) = 19.047619047618902
Cent (2/63) = 38.09523809523812
Cent (3/63) = 57.142857142857125
Cent (4/63) = 76.19047619047613
Cent (5/63) = 95.23809523809526
Cent (6/63) = 114.28571428571412
Cent (7/63) = 133.3333333333326
Cent (8/63) = 152.38095238095244
Cent (9/63) = 171.4285714285713
Cent (10/63) = 190.4761904761905
Cent (11/63) = 209.52380952380966
Cent (12/63) = 228.5714285714286
Cent (13/63) = 247.61904761904762
Cent (14/63) = 266.6666666666669
Cent (15/63) = 285.7142857142856
Cent (16/63) = 304.761904761905
Cent (17/63) = 323.80952380952374
Cent (18/63) = 342.8571428571428
Cent (19/63) = 361.9047619047619
Cent (20/63) = 380.95238095238085
Cent (21/63) = 399.9999999999998
Cent (22/63) = 419.0476190476189
Cent (23/63) = 438.0952380952381
Cent (24/63) = 457.1428571428571
Cent (25/63) = 476.19047619047615
Cent (26/63) = 495.23809523809524
Cent (27/63) = 514.2857142857143
Cent (28/63) = 533.3333333333333
Cent (29/63) = 552.3809523809525
Cent (30/63) = 571.4285714285713
Cent (31/63) = 590.4761904761905
Cent (32/63) = 609.5238095238094
Cent (33/63) = 628.5714285714286
Cent (34/63) = 647.6190476190475
Cent (35/63) = 666.6666666666667
Cent (36/63) = 685.7142857142858
Cent (37/63) = 704.7619047619047
Cent (38/63) = 723.8095238095239
Cent (39/63) = 742.8571428571427
Cent (40/63) = 761.9047619047619
Cent (41/63) = 780.952380952381
Cent (42/63) = 800.0000000000002
Cent (43/63) = 819.0476190476189

Cent (44/63) = 838.0952380952384
Cent (45/63) = 857.1428571428572
Cent (46/63) = 876.1904761904764
Cent (47/63) = 895.2380952380951
Cent (48/63) = 914.2857142857143
Cent (49/63) = 933.3333333333334
Cent (50/63) = 952.3809523809522
Cent (51/63) = 971.4285714285714
Cent (52/63) = 990.4761904761905
Cent (53/63) = 1009.5238095238094
Cent (54/63) = 1028.5714285714284
Cent (55/63) = 1047.6190476190477
Cent (56/63) = 1066.6666666666665
Cent (57/63) = 1085.7142857142858
Cent (58/63) = 1104.7619047619048
Cent (59/63) = 1123.809523809524
Cent (60/63) = 1142.8571428571427
Cent (61/63) = 1161.904761904762
Cent (62/63) = 1180.952380952381
Cent (63/63) = 1200

Number of semi-tones = 64

Cent (0/64) = 0
Cent (1/64) = 18.75000000000003
Cent (2/64) = 37.49999999999915
Cent (3/64) = 56.24999999999986
Cent (4/64) = 74.99999999999986
Cent (5/64) = 93.75000000000001
Cent (6/64) = 112.50000000000014
Cent (7/64) = 131.25000000000001
Cent (8/64) = 150.00000000000003
Cent (9/64) = 168.74999999999991
Cent (10/64) = 187.49999999999986
Cent (11/64) = 206.24999999999991
Cent (12/64) = 224.99999999999999
Cent (13/64) = 243.74999999999994
Cent (14/64) = 262.49999999999994
Cent (15/64) = 281.24999999999996
Cent (16/64) = 299.99999999999994
Cent (17/64) = 318.74999999999999
Cent (18/64) = 337.49999999999983
Cent (19/64) = 356.25000000000006
Cent (20/64) = 374.99999999999994
Cent (21/64) = 393.75
Cent (22/64) = 412.5
Cent (23/64) = 431.25
Cent (24/64) = 450.00000000000002
Cent (25/64) = 468.75000000000004
Cent (26/64) = 487.50000000000006
Cent (27/64) = 506.24999999999994
Cent (28/64) = 524.99999999999999
Cent (29/64) = 543.74999999999999
Cent (30/64) = 562.50000000000001
Cent (31/64) = 581.25000000000001
Cent (32/64) = 600.00000000000001
Cent (33/64) = 618.75000000000001
Cent (34/64) = 637.50000000000001
Cent (35/64) = 656.25
Cent (36/64) = 675.00000000000001
Cent (37/64) = 693.74999999999999

Cent (38/64) = 712.5000000000001
Cent (39/64) = 731.2500000000001
Cent (40/64) = 749.9999999999999
Cent (41/64) = 768.75
Cent (42/64) = 787.5
Cent (43/64) = 806.2500000000001
Cent (44/64) = 825
Cent (45/64) = 843.7500000000001
Cent (46/64) = 862.5000000000002
Cent (47/64) = 881.2499999999999
Cent (48/64) = 900
Cent (49/64) = 918.7500000000001
Cent (50/64) = 937.5000000000001
Cent (51/64) = 956.2499999999997
Cent (52/64) = 975
Cent (53/64) = 993.7499999999999
Cent (54/64) = 1012.5000000000001
Cent (55/64) = 1031.2500000000002
Cent (56/64) = 1050
Cent (57/64) = 1068.75
Cent (58/64) = 1087.5
Cent (59/64) = 1106.25
Cent (60/64) = 1125.0000000000002
Cent (61/64) = 1143.7500000000002
Cent (62/64) = 1162.4999999999998
Cent (63/64) = 1181.25
Cent (64/64) = 1200

Number of semi-tones = 65

Cent (0/65) = 0
Cent (1/65) = 18.461538461538492
Cent (2/65) = 36.923076923077005
Cent (3/65) = 55.3846153846154
Cent (4/65) = 73.84615384615391
Cent (5/65) = 92.30769230769229
Cent (6/65) = 110.76923076923093
Cent (7/65) = 129.23076923076914
Cent (8/65) = 147.69230769230776
Cent (9/65) = 166.15384615384627
Cent (10/65) = 184.6153846153845
Cent (11/65) = 203.07692307692298
Cent (12/65) = 221.53846153846135
Cent (13/65) = 240.0000000000001
Cent (14/65) = 258.46153846153845
Cent (15/65) = 276.92307692307685
Cent (16/65) = 295.38461538461553
Cent (17/65) = 313.84615384615415
Cent (18/65) = 332.3076923076922
Cent (19/65) = 350.7692307692308
Cent (20/65) = 369.2307692307693
Cent (21/65) = 387.69230769230745
Cent (22/65) = 406.1538461538461
Cent (23/65) = 424.61538461538447
Cent (24/65) = 443.07692307692304
Cent (25/65) = 461.53846153846155
Cent (26/65) = 480
Cent (27/65) = 498.46153846153845
Cent (28/65) = 516.9230769230769
Cent (29/65) = 535.3846153846155
Cent (30/65) = 553.8461538461539

Cent (31/65) = 572.3076923076924
Cent (32/65) = 590.7692307692307
Cent (33/65) = 609.2307692307692
Cent (34/65) = 627.6923076923081
Cent (35/65) = 646.1538461538463
Cent (36/65) = 664.6153846153845
Cent (37/65) = 683.0769230769232
Cent (38/65) = 701.5384615384615
Cent (39/65) = 719.9999999999999
Cent (40/65) = 738.4615384615387
Cent (41/65) = 756.9230769230769
Cent (42/65) = 775.3846153846156
Cent (43/65) = 793.8461538461539
Cent (44/65) = 812.3076923076924
Cent (45/65) = 830.7692307692308
Cent (46/65) = 849.2307692307695
Cent (47/65) = 867.6923076923076
Cent (48/65) = 886.1538461538464
Cent (49/65) = 904.6153846153848
Cent (50/65) = 923.0769230769231
Cent (51/65) = 941.5384615384615
Cent (52/65) = 960.0000000000001
Cent (53/65) = 978.4615384615387
Cent (54/65) = 996.9230769230769
Cent (55/65) = 1015.3846153846154
Cent (56/65) = 1033.846153846154
Cent (57/65) = 1052.3076923076922
Cent (58/65) = 1070.769230769231
Cent (59/65) = 1089.2307692307693
Cent (60/65) = 1107.6923076923078
Cent (61/65) = 1126.1538461538462
Cent (62/65) = 1144.6153846153848
Cent (63/65) = 1163.076923076923
Cent (64/65) = 1181.5384615384614
Cent (65/65) = 1200

Number of semi-tones = 66

Cent (0/66) = 0
Cent (1/66) = 18.181818181818244
Cent (2/66) = 36.36363636363645
Cent (3/66) = 54.54545454545451
Cent (4/66) = 72.72727272727263
Cent (5/66) = 90.90909090909102
Cent (6/66) = 109.09090909090908
Cent (7/66) = 127.27272727272731
Cent (8/66) = 145.45454545454564
Cent (9/66) = 163.63636363636346
Cent (10/66) = 181.81818181818196
Cent (11/66) = 200.00000000000006
Cent (12/66) = 218.18181818181827
Cent (13/66) = 236.36363636363635
Cent (14/66) = 254.5454545454546
Cent (15/66) = 272.7272727272728
Cent (16/66) = 290.9090909090909
Cent (17/66) = 309.090909090909
Cent (18/66) = 327.27272727272714
Cent (19/66) = 345.4545454545459
Cent (20/66) = 363.63636363636374
Cent (21/66) = 381.818181818182
Cent (22/66) = 399.9999999999998

Cent (23/66) = 418.1818181818182
Cent (24/66) = 436.3636363636363
Cent (25/66) = 454.54545454545445
Cent (26/66) = 472.7272727272727
Cent (27/66) = 490.9090909090911
Cent (28/66) = 509.090909090909
Cent (29/66) = 527.2727272727271
Cent (30/66) = 545.4545454545454
Cent (31/66) = 563.6363636363637
Cent (32/66) = 581.8181818181819
Cent (33/66) = 600.0000000000001
Cent (34/66) = 618.1818181818182
Cent (35/66) = 636.3636363636364
Cent (36/66) = 654.5454545454545
Cent (37/66) = 672.7272727272726
Cent (38/66) = 690.9090909090911
Cent (39/66) = 709.0909090909091
Cent (40/66) = 727.2727272727273
Cent (41/66) = 745.4545454545454
Cent (42/66) = 763.6363636363637
Cent (43/66) = 781.8181818181819
Cent (44/66) = 800.0000000000002
Cent (45/66) = 818.1818181818181
Cent (46/66) = 836.3636363636365
Cent (47/66) = 854.5454545454546
Cent (48/66) = 872.7272727272729
Cent (49/66) = 890.909090909091
Cent (50/66) = 909.0909090909091
Cent (51/66) = 927.2727272727271
Cent (52/66) = 945.4545454545456
Cent (53/66) = 963.636363636364
Cent (54/66) = 981.8181818181819
Cent (55/66) = 1000.0000000000001
Cent (56/66) = 1018.1818181818184
Cent (57/66) = 1036.3636363636363
Cent (58/66) = 1054.5454545454545
Cent (59/66) = 1072.7272727272727
Cent (60/66) = 1090.9090909090908
Cent (61/66) = 1109.090909090909
Cent (62/66) = 1127.2727272727273
Cent (63/66) = 1145.4545454545457
Cent (64/66) = 1163.6363636363637
Cent (65/66) = 1181.818181818182
Cent (66/66) = 1200

Number of semi-tones = 67

Cent (0/67) = 0
Cent (1/67) = 17.91044776119411
Cent (2/67) = 35.82089552238816
Cent (3/67) = 53.731343283582
Cent (4/67) = 71.64179104477599
Cent (5/67) = 89.55223880596998
Cent (6/67) = 107.46268656716425
Cent (7/67) = 125.37313432835818
Cent (8/67) = 143.28358208955237
Cent (9/67) = 161.19402985074638
Cent (10/67) = 179.10447761194027
Cent (11/67) = 197.01492537313436
Cent (12/67) = 214.92537313432825
Cent (13/67) = 232.83582089552235

Cent (14/67) = 250.74626865671658
Cent (15/67) = 268.6567164179105
Cent (16/67) = 286.5671641791046
Cent (17/67) = 304.47761194029863
Cent (18/67) = 322.3880597014926
Cent (19/67) = 340.29850746268664
Cent (20/67) = 358.20895522388065
Cent (21/67) = 376.11940298507426
Cent (22/67) = 394.0298507462686
Cent (23/67) = 411.94029850746267
Cent (24/67) = 429.85074626865656
Cent (25/67) = 447.76119402985086
Cent (26/67) = 465.67164179104486
Cent (27/67) = 483.58208955223887
Cent (28/67) = 501.4925373134327
Cent (29/67) = 519.4029850746269
Cent (30/67) = 537.3134328358205
Cent (31/67) = 555.2238805970154
Cent (32/67) = 573.1343283582089
Cent (33/67) = 591.044776119403
Cent (34/67) = 608.955223880597
Cent (35/67) = 626.865671641791
Cent (36/67) = 644.7761194029852
Cent (37/67) = 662.6865671641793
Cent (38/67) = 680.5970149253732
Cent (39/67) = 698.5074626865671
Cent (40/67) = 716.4179104477613
Cent (41/67) = 734.3283582089553
Cent (42/67) = 752.2388059701492
Cent (43/67) = 770.1492537313433
Cent (44/67) = 788.0597014925372
Cent (45/67) = 805.9701492537317
Cent (46/67) = 823.8805970149251
Cent (47/67) = 841.7910447761196
Cent (48/67) = 859.7014925373135
Cent (49/67) = 877.6119402985075
Cent (50/67) = 895.5223880597015
Cent (51/67) = 913.4328358208955
Cent (52/67) = 931.3432835820896
Cent (53/67) = 949.2537313432838
Cent (54/67) = 967.1641791044776
Cent (55/67) = 985.0746268656716
Cent (56/67) = 1002.9850746268656
Cent (57/67) = 1020.8955223880598
Cent (58/67) = 1038.8059701492539
Cent (59/67) = 1056.7164179104477
Cent (60/67) = 1074.6268656716418
Cent (61/67) = 1092.5373134328358
Cent (62/67) = 1110.44776119403
Cent (63/67) = 1128.358208955224
Cent (64/67) = 1146.268656716418
Cent (65/67) = 1164.1791044776119
Cent (66/67) = 1182.0895522388062
Cent (67/67) = 1200

Number of semi-tones = 68

Cent (0/68) = 0
Cent (1/68) = 17.647058823529427
Cent (2/68) = 35.29411764705887
Cent (3/68) = 52.94117647058839

Cent (4/68) = 70.58823529411771
Cent (5/68) = 88.235294117647
Cent (6/68) = 105.88235294117653
Cent (7/68) = 123.52941176470581
Cent (8/68) = 141.17647058823525
Cent (9/68) = 158.82352941176453
Cent (10/68) = 176.47058823529426
Cent (11/68) = 194.11764705882356
Cent (12/68) = 211.76470588235293
Cent (13/68) = 229.41176470588243
Cent (14/68) = 247.05882352941174
Cent (15/68) = 264.70588235294105
Cent (16/68) = 282.3529411764706
Cent (17/68) = 299.99999999999994
Cent (18/68) = 317.64705882352945
Cent (19/68) = 335.2941176470589
Cent (20/68) = 352.94117647058835
Cent (21/68) = 370.5882352941175
Cent (22/68) = 388.23529411764724
Cent (23/68) = 405.8823529411764
Cent (24/68) = 423.529411764706
Cent (25/68) = 441.17647058823525
Cent (26/68) = 458.8235294117646
Cent (27/68) = 476.47058823529414
Cent (28/68) = 494.1176470588235
Cent (29/68) = 511.764705882353
Cent (30/68) = 529.4117647058822
Cent (31/68) = 547.0588235294117
Cent (32/68) = 564.7058823529412
Cent (33/68) = 582.3529411764707
Cent (34/68) = 600.0000000000001
Cent (35/68) = 617.6470588235294
Cent (36/68) = 635.294117647059
Cent (37/68) = 652.9411764705884
Cent (38/68) = 670.5882352941178
Cent (39/68) = 688.2352941176471
Cent (40/68) = 705.8823529411765
Cent (41/68) = 723.5294117647057
Cent (42/68) = 741.1764705882354
Cent (43/68) = 758.8235294117648
Cent (44/68) = 776.4705882352941
Cent (45/68) = 794.1176470588235
Cent (46/68) = 811.7647058823528
Cent (47/68) = 829.4117647058827
Cent (48/68) = 847.0588235294117
Cent (49/68) = 864.7058823529412
Cent (50/68) = 882.3529411764708
Cent (51/68) = 900
Cent (52/68) = 917.6470588235295
Cent (53/68) = 935.2941176470587
Cent (54/68) = 952.9411764705881
Cent (55/68) = 970.5882352941176
Cent (56/68) = 988.235294117647
Cent (57/68) = 1005.8823529411767
Cent (58/68) = 1023.5294117647057
Cent (59/68) = 1041.1764705882351
Cent (60/68) = 1058.8235294117646
Cent (61/68) = 1076.4705882352941
Cent (62/68) = 1094.1176470588234
Cent (63/68) = 1111.7647058823532

Cent (64/68) = 1129.4117647058824
Cent (65/68) = 1147.0588235294117
Cent (66/68) = 1164.705882352941
Cent (67/68) = 1182.3529411764707
Cent (68/68) = 1200

Number of semi-tones = 69

Cent (0/69) = 0
Cent (1/69) = 17.391304347826097
Cent (2/69) = 34.782608695652115
Cent (3/69) = 52.173913043478386
Cent (4/69) = 69.56521739130419
Cent (5/69) = 86.95652173913032
Cent (6/69) = 104.34782608695662
Cent (7/69) = 121.73913043478264
Cent (8/69) = 139.13043478260877
Cent (9/69) = 156.52173913043484
Cent (10/69) = 173.91304347826082
Cent (11/69) = 191.304347826087
Cent (12/69) = 208.69565217391295
Cent (13/69) = 226.08695652173918
Cent (14/69) = 243.4782608695652
Cent (15/69) = 260.86956521739125
Cent (16/69) = 278.26086956521743
Cent (17/69) = 295.6521739130435
Cent (18/69) = 313.04347826086956
Cent (19/69) = 330.43478260869557
Cent (20/69) = 347.8260869565219
Cent (21/69) = 365.2173913043476
Cent (22/69) = 382.60869565217405
Cent (23/69) = 399.9999999999998
Cent (24/69) = 417.3913043478262
Cent (25/69) = 434.78260869565213
Cent (26/69) = 452.17391304347825
Cent (27/69) = 469.56521739130426
Cent (28/69) = 486.95652173913055
Cent (29/69) = 504.3478260869565
Cent (30/69) = 521.7391304347822
Cent (31/69) = 539.1304347826087
Cent (32/69) = 556.5217391304349
Cent (33/69) = 573.9130434782609
Cent (34/69) = 591.304347826087
Cent (35/69) = 608.695652173913
Cent (36/69) = 626.0869565217391
Cent (37/69) = 643.4782608695652
Cent (38/69) = 660.8695652173914
Cent (39/69) = 678.2608695652173
Cent (40/69) = 695.6521739130434
Cent (41/69) = 713.0434782608696
Cent (42/69) = 730.4347826086956
Cent (43/69) = 747.8260869565219
Cent (44/69) = 765.2173913043478
Cent (45/69) = 782.608695652174
Cent (46/69) = 800.0000000000002
Cent (47/69) = 817.3913043478265
Cent (48/69) = 834.782608695652
Cent (49/69) = 852.1739130434784
Cent (50/69) = 869.5652173913043
Cent (51/69) = 886.9565217391304
Cent (52/69) = 904.3478260869565

Cent (53/69) = 921.7391304347826
Cent (54/69) = 939.1304347826086
Cent (55/69) = 956.5217391304349
Cent (56/69) = 973.9130434782608
Cent (57/69) = 991.304347826087
Cent (58/69) = 1008.695652173913
Cent (59/69) = 1026.086956521739
Cent (60/69) = 1043.4782608695652
Cent (61/69) = 1060.8695652173915
Cent (62/69) = 1078.2608695652175
Cent (63/69) = 1095.6521739130435
Cent (64/69) = 1113.0434782608697
Cent (65/69) = 1130.4347826086957
Cent (66/69) = 1147.8260869565217
Cent (67/69) = 1165.217391304348
Cent (68/69) = 1182.608695652174
Cent (69/69) = 1200

Number of semi-tones = 70

Cent (0/70) = 0
Cent (1/70) = 17.14285714285724
Cent (2/70) = 34.2857142857141
Cent (3/70) = 51.42857142857155
Cent (4/70) = 68.57142857142854
Cent (5/70) = 85.71428571428575
Cent (6/70) = 102.85714285714282
Cent (7/70) = 119.99999999999994
Cent (8/70) = 137.142857142857
Cent (9/70) = 154.28571428571414
Cent (10/70) = 171.4285714285713
Cent (11/70) = 188.57142857142873
Cent (12/70) = 205.71428571428567
Cent (13/70) = 222.85714285714275
Cent (14/70) = 240.00000000000001
Cent (15/70) = 257.14285714285705
Cent (16/70) = 274.28571428571416
Cent (17/70) = 291.4285714285715
Cent (18/70) = 308.5714285714284
Cent (19/70) = 325.7142857142856
Cent (20/70) = 342.8571428571428
Cent (21/70) = 360.00000000000006
Cent (22/70) = 377.1428571428573
Cent (23/70) = 394.28571428571433
Cent (24/70) = 411.4285714285713
Cent (25/70) = 428.57142857142856
Cent (26/70) = 445.7142857142858
Cent (27/70) = 462.85714285714255
Cent (28/70) = 480
Cent (29/70) = 497.14285714285734
Cent (30/70) = 514.2857142857143
Cent (31/70) = 531.4285714285716
Cent (32/70) = 548.5714285714284
Cent (33/70) = 565.7142857142859
Cent (34/70) = 582.857142857143
Cent (35/70) = 600.00000000000001
Cent (36/70) = 617.1428571428571
Cent (37/70) = 634.2857142857143
Cent (38/70) = 651.4285714285713
Cent (39/70) = 668.5714285714284
Cent (40/70) = 685.7142857142858

Cent (41/70) = 702.857142857143
Cent (42/70) = 719.9999999999999
Cent (43/70) = 737.1428571428573
Cent (44/70) = 754.2857142857144
Cent (45/70) = 771.4285714285717
Cent (46/70) = 788.5714285714287
Cent (47/70) = 805.7142857142858
Cent (48/70) = 822.857142857143
Cent (49/70) = 840
Cent (50/70) = 857.1428571428572
Cent (51/70) = 874.2857142857142
Cent (52/70) = 891.4285714285716
Cent (53/70) = 908.5714285714284
Cent (54/70) = 925.7142857142856
Cent (55/70) = 942.8571428571427
Cent (56/70) = 960.0000000000001
Cent (57/70) = 977.1428571428571
Cent (58/70) = 994.2857142857146
Cent (59/70) = 1011.4285714285716
Cent (60/70) = 1028.5714285714284
Cent (61/70) = 1045.7142857142858
Cent (62/70) = 1062.857142857143
Cent (63/70) = 1079.9999999999998
Cent (64/70) = 1097.142857142857
Cent (65/70) = 1114.285714285714
Cent (66/70) = 1131.4285714285716
Cent (67/70) = 1148.571428571429
Cent (68/70) = 1165.7142857142856
Cent (69/70) = 1182.8571428571431
Cent (70/70) = 1200

Number of semi-tones = 71

Cent (0/71) = 0
Cent (1/71) = 16.901408450704142
Cent (2/71) = 33.80281690140854
Cent (3/71) = 50.704225352112495
Cent (4/71) = 67.60563380281674
Cent (5/71) = 84.5070422535212
Cent (6/71) = 101.4084507042253
Cent (7/71) = 118.30985915492958
Cent (8/71) = 135.21126760563365
Cent (9/71) = 152.1126760563382
Cent (10/71) = 169.0140845070424
Cent (11/71) = 185.9154929577466
Cent (12/71) = 202.81690140845086
Cent (13/71) = 219.718309859155
Cent (14/71) = 236.619718309859
Cent (15/71) = 253.5211267605633
Cent (16/71) = 270.4225352112676
Cent (17/71) = 287.3239436619717
Cent (18/71) = 304.2253521126762
Cent (19/71) = 321.12676056338023
Cent (20/71) = 338.0281690140845
Cent (21/71) = 354.9295774647886
Cent (22/71) = 371.83098591549305
Cent (23/71) = 388.73239436619724
Cent (24/71) = 405.63380281690155
Cent (25/71) = 422.53521126760563
Cent (26/71) = 439.43661971831
Cent (27/71) = 456.33802816901414

Cent (28/71) = 473.2394366197181
Cent (29/71) = 490.14084507042253
Cent (30/71) = 507.0422535211269
Cent (31/71) = 523.9436619718309
Cent (32/71) = 540.8450704225354
Cent (33/71) = 557.7464788732393
Cent (34/71) = 574.6478873239436
Cent (35/71) = 591.5492957746478
Cent (36/71) = 608.4507042253521
Cent (37/71) = 625.3521126760563
Cent (38/71) = 642.2535211267606
Cent (39/71) = 659.1549295774647
Cent (40/71) = 676.0563380281693
Cent (41/71) = 692.9577464788733
Cent (42/71) = 709.8591549295775
Cent (43/71) = 726.7605633802816
Cent (44/71) = 743.6619718309857
Cent (45/71) = 760.5633802816903
Cent (46/71) = 777.4647887323945
Cent (47/71) = 794.366197183099
Cent (48/71) = 811.2676056338031
Cent (49/71) = 828.169014084507
Cent (50/71) = 845.0704225352112
Cent (51/71) = 861.9718309859156
Cent (52/71) = 878.8732394366199
Cent (53/71) = 895.774647887324
Cent (54/71) = 912.6760563380283
Cent (55/71) = 929.5774647887328
Cent (56/71) = 946.4788732394367
Cent (57/71) = 963.380281690141
Cent (58/71) = 980.2816901408451
Cent (59/71) = 997.1830985915492
Cent (60/71) = 1014.0845070422537
Cent (61/71) = 1030.9859154929577
Cent (62/71) = 1047.8873239436618
Cent (63/71) = 1064.7887323943662
Cent (64/71) = 1081.6901408450706
Cent (65/71) = 1098.5915492957747
Cent (66/71) = 1115.4929577464789
Cent (67/71) = 1132.3943661971832
Cent (68/71) = 1149.2957746478871
Cent (69/71) = 1166.1971830985915
Cent (70/71) = 1183.0985915492959
Cent (71/71) = 1200

Number of semi-tones = 72

Cent (0/72) = 0
Cent (1/72) = 16.66666666666681
Cent (2/72) = 33.33333333333332
Cent (3/72) = 50.00000000000008
Cent (4/72) = 66.66666666666666
Cent (5/72) = 83.33333333333326
Cent (6/72) = 100.00000000000009
Cent (7/72) = 116.66666666666656
Cent (8/72) = 133.33333333333326
Cent (9/72) = 150.00000000000003
Cent (10/72) = 166.66666666666683
Cent (11/72) = 183.33333333333346
Cent (12/72) = 200.00000000000006
Cent (13/72) = 216.66666666666663

Cent (14/72) = 233.33333333333323
Cent (15/72) = 249.99999999999991
Cent (16/72) = 266.66666666666669
Cent (17/72) = 283.33333333333326
Cent (18/72) = 299.99999999999994
Cent (19/72) = 316.66666666666667
Cent (20/72) = 333.33333333333333
Cent (21/72) = 350.00000000000001
Cent (22/72) = 366.66666666666669
Cent (23/72) = 383.33333333333314
Cent (24/72) = 399.99999999999998
Cent (25/72) = 416.66666666666674
Cent (26/72) = 433.33333333333326
Cent (27/72) = 450.00000000000002
Cent (28/72) = 466.66666666666668
Cent (29/72) = 483.33333333333333
Cent (30/72) = 500.00000000000006
Cent (31/72) = 516.66666666666666
Cent (32/72) = 533.33333333333333
Cent (33/72) = 550
Cent (34/72) = 566.66666666666665
Cent (35/72) = 583.33333333333331
Cent (36/72) = 600.00000000000001
Cent (37/72) = 616.66666666666666
Cent (38/72) = 633.33333333333334
Cent (39/72) = 650
Cent (40/72) = 666.66666666666667
Cent (41/72) = 683.33333333333333
Cent (42/72) = 700.00000000000001
Cent (43/72) = 716.66666666666665
Cent (44/72) = 733.33333333333335
Cent (45/72) = 749.99999999999999
Cent (46/72) = 766.66666666666666
Cent (47/72) = 783.33333333333335
Cent (48/72) = 800.00000000000002
Cent (49/72) = 816.66666666666667
Cent (50/72) = 833.33333333333333
Cent (51/72) = 850.00000000000002
Cent (52/72) = 866.66666666666665
Cent (53/72) = 883.33333333333335
Cent (54/72) = 900
Cent (55/72) = 916.66666666666667
Cent (56/72) = 933.33333333333334
Cent (57/72) = 950
Cent (58/72) = 966.66666666666666
Cent (59/72) = 983.33333333333334
Cent (60/72) = 1000.00000000000001
Cent (61/72) = 1016.66666666666665
Cent (62/72) = 1033.33333333333335
Cent (63/72) = 1050
Cent (64/72) = 1066.66666666666665
Cent (65/72) = 1083.33333333333333
Cent (66/72) = 1099.99999999999998
Cent (67/72) = 1116.66666666666667
Cent (68/72) = 1133.33333333333333
Cent (69/72) = 1150
Cent (70/72) = 1166.66666666666665
Cent (71/72) = 1183.33333333333333
Cent (72/72) = 1200

Number of semi-tones = 73

Cent (0/73) = 0
Cent (1/73) = 16.438356164383425
Cent (2/73) = 32.876712328767006
Cent (3/73) = 49.3150684931506
Cent (4/73) = 65.75342465753424
Cent (5/73) = 82.19178082191789
Cent (6/73) = 98.6301369863014
Cent (7/73) = 115.06849315068479
Cent (8/73) = 131.50684931506862
Cent (9/73) = 147.94520547945206
Cent (10/73) = 164.38356164383546
Cent (11/73) = 180.82191780821918
Cent (12/73) = 197.2602739726026
Cent (13/73) = 213.69863013698622
Cent (14/73) = 230.13698630136997
Cent (15/73) = 246.5753424657535
Cent (16/73) = 263.01369863013696
Cent (17/73) = 279.45205479452045
Cent (18/73) = 295.8904109589042
Cent (19/73) = 312.32876712328755
Cent (20/73) = 328.7671232876714
Cent (21/73) = 345.2054794520548
Cent (22/73) = 361.6438356164385
Cent (23/73) = 378.082191780822
Cent (24/73) = 394.5205479452057
Cent (25/73) = 410.95890410958896
Cent (26/73) = 427.3972602739722
Cent (27/73) = 443.8356164383562
Cent (28/73) = 460.27397260273955
Cent (29/73) = 476.7123287671234
Cent (30/73) = 493.150684931507
Cent (31/73) = 509.5890410958904
Cent (32/73) = 526.027397260274
Cent (33/73) = 542.4657534246576
Cent (34/73) = 558.9041095890412
Cent (35/73) = 575.3424657534246
Cent (36/73) = 591.7808219178082
Cent (37/73) = 608.2191780821918
Cent (38/73) = 624.6575342465754
Cent (39/73) = 641.095890410959
Cent (40/73) = 657.5342465753425
Cent (41/73) = 673.9726027397261
Cent (42/73) = 690.4109589041096
Cent (43/73) = 706.8493150684932
Cent (44/73) = 723.2876712328767
Cent (45/73) = 739.7260273972604
Cent (46/73) = 756.164383561644
Cent (47/73) = 772.6027397260275
Cent (48/73) = 789.0410958904108
Cent (49/73) = 805.4794520547946
Cent (50/73) = 821.9178082191779
Cent (51/73) = 838.3561643835618
Cent (52/73) = 854.7945205479452
Cent (53/73) = 871.2328767123287
Cent (54/73) = 887.6712328767125
Cent (55/73) = 904.109589041096
Cent (56/73) = 920.5479452054794
Cent (57/73) = 936.9863013698632
Cent (58/73) = 953.4246575342464

Cent (59/73) = 969.8630136986301
Cent (60/73) = 986.3013698630135
Cent (61/73) = 1002.7397260273973
Cent (62/73) = 1019.1780821917808
Cent (63/73) = 1035.6164383561647
Cent (64/73) = 1052.0547945205478
Cent (65/73) = 1068.4931506849316
Cent (66/73) = 1084.931506849315
Cent (67/73) = 1101.3698630136987
Cent (68/73) = 1117.808219178082
Cent (69/73) = 1134.246575342466
Cent (70/73) = 1150.6849315068491
Cent (71/73) = 1167.123287671233
Cent (72/73) = 1183.5616438356165
Cent (73/73) = 1200

Number of semi-tones = 74

Cent (0/74) = 0
Cent (1/74) = 16.21621621621627
Cent (2/74) = 32.43243243243234
Cent (3/74) = 48.64864864864862
Cent (4/74) = 64.86486486486494
Cent (5/74) = 81.08108108108112
Cent (6/74) = 97.29729729729729
Cent (7/74) = 113.51351351351371
Cent (8/74) = 129.72972972972988
Cent (9/74) = 145.9459459459461
Cent (10/74) = 162.16216216216205
Cent (11/74) = 178.37837837837836
Cent (12/74) = 194.59459459459458
Cent (13/74) = 210.810810810811
Cent (14/74) = 227.02702702702697
Cent (15/74) = 243.2432432432433
Cent (16/74) = 259.4594594594594
Cent (17/74) = 275.67567567567556
Cent (18/74) = 291.8918918918919
Cent (19/74) = 308.1081081081081
Cent (20/74) = 324.3243243243243
Cent (21/74) = 340.54054054054063
Cent (22/74) = 356.7567567567568
Cent (23/74) = 372.972972972973
Cent (24/74) = 389.18918918918934
Cent (25/74) = 405.40540540540525
Cent (26/74) = 421.62162162162156
Cent (27/74) = 437.83783783783775
Cent (28/74) = 454.0540540540541
Cent (29/74) = 470.27027027027026
Cent (30/74) = 486.48648648648657
Cent (31/74) = 502.7027027027027
Cent (32/74) = 518.9189189189191
Cent (33/74) = 535.1351351351351
Cent (34/74) = 551.3513513513515
Cent (35/74) = 567.5675675675677
Cent (36/74) = 583.7837837837837
Cent (37/74) = 600.0000000000001
Cent (38/74) = 616.2162162162161
Cent (39/74) = 632.4324324324324
Cent (40/74) = 648.6486486486488
Cent (41/74) = 664.8648648648649
Cent (42/74) = 681.0810810810808

Cent (43/74) = 697.2972972972973
Cent (44/74) = 713.5135135135135
Cent (45/74) = 729.7297297297298
Cent (46/74) = 745.9459459459456
Cent (47/74) = 762.1621621621622
Cent (48/74) = 778.3783783783783
Cent (49/74) = 794.5945945945947
Cent (50/74) = 810.8108108108108
Cent (51/74) = 827.027027027027
Cent (52/74) = 843.2432432432432
Cent (53/74) = 859.4594594594596
Cent (54/74) = 875.6756756756756
Cent (55/74) = 891.8918918918918
Cent (56/74) = 908.1081081081081
Cent (57/74) = 924.3243243243243
Cent (58/74) = 940.5405405405405
Cent (59/74) = 956.7567567567565
Cent (60/74) = 972.9729729729729
Cent (61/74) = 989.1891891891894
Cent (62/74) = 1005.4054054054054
Cent (63/74) = 1021.6216216216216
Cent (64/74) = 1037.837837837838
Cent (65/74) = 1054.054054054054
Cent (66/74) = 1070.2702702702702
Cent (67/74) = 1086.4864864864862
Cent (68/74) = 1102.702702702703
Cent (69/74) = 1118.918918918919
Cent (70/74) = 1135.135135135135
Cent (71/74) = 1151.3513513513512
Cent (72/74) = 1167.5675675675675
Cent (73/74) = 1183.783783783784
Cent (74/74) = 1200

Number of semi-tones = 75

Cent (0/75) = 0
Cent (1/75) = 16.000000000000124
Cent (2/75) = 32.00000000000011
Cent (3/75) = 48.00000000000006
Cent (4/75) = 63.99999999999998
Cent (5/75) = 80.00000000000003
Cent (6/75) = 95.99999999999983
Cent (7/75) = 112.00000000000011
Cent (8/75) = 128.00000000000006
Cent (9/75) = 143.99999999999983
Cent (10/75) = 159.99999999999991
Cent (11/75) = 175.99999999999994
Cent (12/75) = 192.00000000000009
Cent (13/75) = 208.00000000000017
Cent (14/75) = 224.00000000000003
Cent (15/75) = 240.00000000000001
Cent (16/75) = 256.00000000000006
Cent (17/75) = 272.00000000000006
Cent (18/75) = 287.99999999999955
Cent (19/75) = 304.00000000000001
Cent (20/75) = 319.99999999999994
Cent (21/75) = 336.00000000000017
Cent (22/75) = 351.9999999999999
Cent (23/75) = 368
Cent (24/75) = 384
Cent (25/75) = 399.9999999999998

Cent (26/75) = 416.000000000000017
Cent (27/75) = 432.000000000000001
Cent (28/75) = 448.000000000000017
Cent (29/75) = 463.999999999999999
Cent (30/75) = 480
Cent (31/75) = 495.999999999999994
Cent (32/75) = 512.000000000000001
Cent (33/75) = 527.999999999999999
Cent (34/75) = 543.999999999999999
Cent (35/75) = 560
Cent (36/75) = 576.000000000000002
Cent (37/75) = 592
Cent (38/75) = 608
Cent (39/75) = 624
Cent (40/75) = 640.000000000000003
Cent (41/75) = 655.999999999999999
Cent (42/75) = 672
Cent (43/75) = 688.000000000000001
Cent (44/75) = 704.000000000000001
Cent (45/75) = 719.999999999999999
Cent (46/75) = 736
Cent (47/75) = 752.000000000000001
Cent (48/75) = 768.000000000000001
Cent (49/75) = 784
Cent (50/75) = 800.000000000000002
Cent (51/75) = 816.000000000000001
Cent (52/75) = 831.999999999999998
Cent (53/75) = 848
Cent (54/75) = 864
Cent (55/75) = 880.000000000000002
Cent (56/75) = 896.000000000000001
Cent (57/75) = 912
Cent (58/75) = 927.999999999999998
Cent (59/75) = 944.000000000000001
Cent (60/75) = 960.000000000000001
Cent (61/75) = 975.999999999999999
Cent (62/75) = 991.999999999999999
Cent (63/75) = 1008.000000000000001
Cent (64/75) = 1024
Cent (65/75) = 1040
Cent (66/75) = 1056
Cent (67/75) = 1072
Cent (68/75) = 1088
Cent (69/75) = 1104
Cent (70/75) = 1120.000000000000002
Cent (71/75) = 1136
Cent (72/75) = 1152
Cent (73/75) = 1168.000000000000002
Cent (74/75) = 1184
Cent (75/75) = 1200

Number of semi-tones = 76

Cent (0/76) = 0
Cent (1/76) = 15.789473684210655
Cent (2/76) = 31.578947368421055
Cent (3/76) = 47.36842105263163
Cent (4/76) = 63.157894736841946
Cent (5/76) = 78.9473684210525
Cent (6/76) = 94.73684210526322
Cent (7/76) = 110.52631578947373

Cent (8/76) = 126.31578947368416
Cent (9/76) = 142.1052631578948
Cent (10/76) = 157.8947368421053
Cent (11/76) = 173.6842105263157
Cent (12/76) = 189.47368421052613
Cent (13/76) = 205.26315789473688
Cent (14/76) = 221.05263157894746
Cent (15/76) = 236.84210526315783
Cent (16/76) = 252.63157894736835
Cent (17/76) = 268.42105263157947
Cent (18/76) = 284.2105263157894
Cent (19/76) = 299.99999999999994
Cent (20/76) = 315.7894736842107
Cent (21/76) = 331.578947368421
Cent (22/76) = 347.3684210526317
Cent (23/76) = 363.15789473684214
Cent (24/76) = 378.9473684210526
Cent (25/76) = 394.7368421052632
Cent (26/76) = 410.52631578947364
Cent (27/76) = 426.3157894736842
Cent (28/76) = 442.1052631578949
Cent (29/76) = 457.8947368421053
Cent (30/76) = 473.68421052631567
Cent (31/76) = 489.4736842105262
Cent (32/76) = 505.2631578947369
Cent (33/76) = 521.0526315789472
Cent (34/76) = 536.8421052631578
Cent (35/76) = 552.6315789473682
Cent (36/76) = 568.421052631579
Cent (37/76) = 584.2105263157896
Cent (38/76) = 600.0000000000001
Cent (39/76) = 615.7894736842106
Cent (40/76) = 631.5789473684207
Cent (41/76) = 647.3684210526316
Cent (42/76) = 663.1578947368422
Cent (43/76) = 678.9473684210526
Cent (44/76) = 694.7368421052632
Cent (45/76) = 710.5263157894736
Cent (46/76) = 726.3157894736842
Cent (47/76) = 742.1052631578948
Cent (48/76) = 757.8947368421052
Cent (49/76) = 773.6842105263161
Cent (50/76) = 789.4736842105266
Cent (51/76) = 805.2631578947368
Cent (52/76) = 821.0526315789474
Cent (53/76) = 836.8421052631579
Cent (54/76) = 852.6315789473684
Cent (55/76) = 868.421052631579
Cent (56/76) = 884.2105263157895
Cent (57/76) = 900
Cent (58/76) = 915.7894736842106
Cent (59/76) = 931.578947368421
Cent (60/76) = 947.3684210526316
Cent (61/76) = 963.1578947368422
Cent (62/76) = 978.9473684210523
Cent (63/76) = 994.7368421052635
Cent (64/76) = 1010.5263157894736
Cent (65/76) = 1026.3157894736844
Cent (66/76) = 1042.1052631578948
Cent (67/76) = 1057.8947368421054

Cent (68/76) = 1073.6842105263158
Cent (69/76) = 1089.4736842105267
Cent (70/76) = 1105.2631578947369
Cent (71/76) = 1121.0526315789475
Cent (72/76) = 1136.842105263158
Cent (73/76) = 1152.6315789473686
Cent (74/76) = 1168.421052631579
Cent (75/76) = 1184.2105263157896
Cent (76/76) = 1200

Number of semi-tones = 77

Cent (0/77) = 0
Cent (1/77) = 15.58441558441544
Cent (2/77) = 31.168831168831087
Cent (3/77) = 46.75324675324661
Cent (4/77) = 62.337662337662174
Cent (5/77) = 77.92207792207799
Cent (6/77) = 93.50649350649344
Cent (7/77) = 109.09090909090908
Cent (8/77) = 124.67532467532459
Cent (9/77) = 140.25974025974023
Cent (10/77) = 155.84415584415598
Cent (11/77) = 171.4285714285713
Cent (12/77) = 187.01298701298703
Cent (13/77) = 202.59740259740255
Cent (14/77) = 218.18181818181827
Cent (15/77) = 233.76623376623365
Cent (16/77) = 249.35064935064926
Cent (17/77) = 264.93506493506544
Cent (18/77) = 280.5194805194805
Cent (19/77) = 296.10389610389603
Cent (20/77) = 311.6883116883118
Cent (21/77) = 327.27272727272714
Cent (22/77) = 342.8571428571428
Cent (23/77) = 358.44155844155847
Cent (24/77) = 374.02597402597416
Cent (25/77) = 389.61038961038963
Cent (26/77) = 405.1948051948056
Cent (27/77) = 420.7792207792207
Cent (28/77) = 436.3636363636363
Cent (29/77) = 451.948051948052
Cent (30/77) = 467.53246753246754
Cent (31/77) = 483.11688311688306
Cent (32/77) = 498.7012987012987
Cent (33/77) = 514.2857142857143
Cent (34/77) = 529.8701298701299
Cent (35/77) = 545.4545454545454
Cent (36/77) = 561.0389610389611
Cent (37/77) = 576.6233766233764
Cent (38/77) = 592.2077922077922
Cent (39/77) = 607.792207792208
Cent (40/77) = 623.3766233766232
Cent (41/77) = 638.9610389610389
Cent (42/77) = 654.5454545454545
Cent (43/77) = 670.1298701298703
Cent (44/77) = 685.7142857142858
Cent (45/77) = 701.2987012987013
Cent (46/77) = 716.8831168831169
Cent (47/77) = 732.4675324675325
Cent (48/77) = 748.0519480519481

Cent (49/77) = 763.6363636363637
Cent (50/77) = 779.2207792207793
Cent (51/77) = 794.8051948051947
Cent (52/77) = 810.3896103896103
Cent (53/77) = 825.9740259740258
Cent (54/77) = 841.5584415584416
Cent (55/77) = 857.1428571428572
Cent (56/77) = 872.7272727272729
Cent (57/77) = 888.3116883116884
Cent (58/77) = 903.8961038961037
Cent (59/77) = 919.4805194805194
Cent (60/77) = 935.0649350649351
Cent (61/77) = 950.6493506493506
Cent (62/77) = 966.2337662337663
Cent (63/77) = 981.8181818181819
Cent (64/77) = 997.4025974025974
Cent (65/77) = 1012.9870129870131
Cent (66/77) = 1028.5714285714284
Cent (67/77) = 1044.155844155844
Cent (68/77) = 1059.74025974026
Cent (69/77) = 1075.3246753246754
Cent (70/77) = 1090.9090909090908
Cent (71/77) = 1106.4935064935064
Cent (72/77) = 1122.077922077922
Cent (73/77) = 1137.6623376623377
Cent (74/77) = 1153.2467532467533
Cent (75/77) = 1168.8311688311687
Cent (76/77) = 1184.4155844155841
Cent (77/77) = 1200

Number of semi-tones = 78

Cent (0/78) = 0
Cent (1/78) = 15.384615384615277
Cent (2/78) = 30.76923076923063
Cent (3/78) = 46.15384615384626
Cent (4/78) = 61.53846153846154
Cent (5/78) = 76.92307692307706
Cent (6/78) = 92.30769230769229
Cent (7/78) = 107.69230769230754
Cent (8/78) = 123.07692307692305
Cent (9/78) = 138.4615384615385
Cent (10/78) = 153.84615384615398
Cent (11/78) = 169.23076923076934
Cent (12/78) = 184.6153846153845
Cent (13/78) = 200.00000000000006
Cent (14/78) = 215.38461538461553
Cent (15/78) = 230.76923076923077
Cent (16/78) = 246.1538461538461
Cent (17/78) = 261.53846153846155
Cent (18/78) = 276.92307692307685
Cent (19/78) = 292.30769230769243
Cent (20/78) = 307.69230769230774
Cent (21/78) = 323.07692307692315
Cent (22/78) = 338.46153846153834
Cent (23/78) = 353.846153846154
Cent (24/78) = 369.2307692307693
Cent (25/78) = 384.6153846153848
Cent (26/78) = 399.99999999999998
Cent (27/78) = 415.38461538461536
Cent (28/78) = 430.76923076923083

Cent (29/78) = 446.1538461538462
Cent (30/78) = 461.53846153846155
Cent (31/78) = 476.923076923077
Cent (32/78) = 492.3076923076924
Cent (33/78) = 507.6923076923077
Cent (34/78) = 523.0769230769232
Cent (35/78) = 538.4615384615385
Cent (36/78) = 553.8461538461539
Cent (37/78) = 569.2307692307692
Cent (38/78) = 584.6153846153846
Cent (39/78) = 600.0000000000001
Cent (40/78) = 615.3846153846154
Cent (41/78) = 630.7692307692308
Cent (42/78) = 646.1538461538463
Cent (43/78) = 661.5384615384615
Cent (44/78) = 676.9230769230768
Cent (45/78) = 692.3076923076922
Cent (46/78) = 707.6923076923076
Cent (47/78) = 723.0769230769231
Cent (48/78) = 738.4615384615387
Cent (49/78) = 753.8461538461538
Cent (50/78) = 769.2307692307693
Cent (51/78) = 784.6153846153848
Cent (52/78) = 800.0000000000002
Cent (53/78) = 815.3846153846157
Cent (54/78) = 830.7692307692308
Cent (55/78) = 846.1538461538463
Cent (56/78) = 861.5384615384614
Cent (57/78) = 876.9230769230769
Cent (58/78) = 892.3076923076924
Cent (59/78) = 907.6923076923075
Cent (60/78) = 923.0769230769231
Cent (61/78) = 938.4615384615383
Cent (62/78) = 953.8461538461538
Cent (63/78) = 969.2307692307693
Cent (64/78) = 984.6153846153846
Cent (65/78) = 1000.0000000000001
Cent (66/78) = 1015.3846153846154
Cent (67/78) = 1030.7692307692307
Cent (68/78) = 1046.1538461538464
Cent (69/78) = 1061.5384615384614
Cent (70/78) = 1076.923076923077
Cent (71/78) = 1092.3076923076924
Cent (72/78) = 1107.6923076923078
Cent (73/78) = 1123.0769230769229
Cent (74/78) = 1138.4615384615383
Cent (75/78) = 1153.846153846154
Cent (76/78) = 1169.2307692307693
Cent (77/78) = 1184.6153846153848
Cent (78/78) = 1200

Number of semi-tones = 79

Cent (0/79) = 0
Cent (1/79) = 15.189873417721513
Cent (2/79) = 30.37974683544315
Cent (3/79) = 45.56962025316472
Cent (4/79) = 60.75949367088619
Cent (5/79) = 75.94936708860749
Cent (6/79) = 91.139240506329
Cent (7/79) = 106.32911392405077

Cent (8/79) = 121.51898734177215
Cent (9/79) = 136.70886075949375
Cent (10/79) = 151.89873417721503
Cent (11/79) = 167.08860759493686
Cent (12/79) = 182.27848101265818
Cent (13/79) = 197.4683544303797
Cent (14/79) = 212.65822784810135
Cent (15/79) = 227.84810126582263
Cent (16/79) = 243.03797468354446
Cent (17/79) = 258.22784810126586
Cent (18/79) = 273.4177215189874
Cent (19/79) = 288.6075949367088
Cent (20/79) = 303.79746835443035
Cent (21/79) = 318.98734177215175
Cent (22/79) = 334.1772151898738
Cent (23/79) = 349.3670886075951
Cent (24/79) = 364.5569620253166
Cent (25/79) = 379.74683544303787
Cent (26/79) = 394.9367088607594
Cent (27/79) = 410.1265822784811
Cent (28/79) = 425.3164556962025
Cent (29/79) = 440.506329113924
Cent (30/79) = 455.6962025316456
Cent (31/79) = 470.8860759493671
Cent (32/79) = 486.07594936708847
Cent (33/79) = 501.2658227848102
Cent (34/79) = 516.4556962025316
Cent (35/79) = 531.6455696202531
Cent (36/79) = 546.8354430379749
Cent (37/79) = 562.0253164556962
Cent (38/79) = 577.2151898734178
Cent (39/79) = 592.4050632911392
Cent (40/79) = 607.5949367088609
Cent (41/79) = 622.7848101265821
Cent (42/79) = 637.9746835443038
Cent (43/79) = 653.164556962025
Cent (44/79) = 668.3544303797469
Cent (45/79) = 683.5443037974684
Cent (46/79) = 698.7341772151902
Cent (47/79) = 713.9240506329114
Cent (48/79) = 729.1139240506329
Cent (49/79) = 744.3037974683544
Cent (50/79) = 759.493670886076
Cent (51/79) = 774.6835443037977
Cent (52/79) = 789.8734177215191
Cent (53/79) = 805.0632911392406
Cent (54/79) = 820.253164556962
Cent (55/79) = 835.4430379746838
Cent (56/79) = 850.6329113924053
Cent (57/79) = 865.8227848101267
Cent (58/79) = 881.012658227848
Cent (59/79) = 896.2025316455696
Cent (60/79) = 911.3924050632912
Cent (61/79) = 926.5822784810126
Cent (62/79) = 941.7721518987343
Cent (63/79) = 956.962025316456
Cent (64/79) = 972.1518987341772
Cent (65/79) = 987.3417721518988
Cent (66/79) = 1002.5316455696204
Cent (67/79) = 1017.7215189873416

Cent (68/79) = 1032.9113924050632
Cent (69/79) = 1048.101265822785
Cent (70/79) = 1063.2911392405063
Cent (71/79) = 1078.4810126582279
Cent (72/79) = 1093.6708860759493
Cent (73/79) = 1108.860759493671
Cent (74/79) = 1124.0506329113925
Cent (75/79) = 1139.240506329114
Cent (76/79) = 1154.4303797468356
Cent (77/79) = 1169.6202531645572
Cent (78/79) = 1184.8101265822784
Cent (79/79) = 1200

Number of semi-tones = 80

Cent (0/80) = 0
Cent (1/80) = 14.999999999999966
Cent (2/80) = 29.999999999999983
Cent (3/80) = 44.999999999999986
Cent (4/80) = 60.000000000000135
Cent (5/80) = 74.999999999999986
Cent (6/80) = 89.999999999999984
Cent (7/80) = 104.999999999999987
Cent (8/80) = 119.999999999999994
Cent (9/80) = 134.999999999999997
Cent (10/80) = 150.000000000000003
Cent (11/80) = 164.999999999999994
Cent (12/80) = 180.000000000000001
Cent (13/80) = 195.000000000000003
Cent (14/80) = 209.999999999999999
Cent (15/80) = 224.999999999999999
Cent (16/80) = 240.000000000000001
Cent (17/80) = 255.000000000000003
Cent (18/80) = 270.000000000000006
Cent (19/80) = 285.000000000000006
Cent (20/80) = 299.999999999999994
Cent (21/80) = 315.000000000000005
Cent (22/80) = 330.000000000000006
Cent (23/80) = 345.000000000000034
Cent (24/80) = 360.000000000000006
Cent (25/80) = 374.999999999999994
Cent (26/80) = 390
Cent (27/80) = 404.999999999999994
Cent (28/80) = 420.000000000000006
Cent (29/80) = 434.999999999999999
Cent (30/80) = 450.000000000000002
Cent (31/80) = 465.000000000000002
Cent (32/80) = 480
Cent (33/80) = 494.999999999999999
Cent (34/80) = 510.000000000000006
Cent (35/80) = 524.999999999999999
Cent (36/80) = 540.000000000000001
Cent (37/80) = 555.000000000000001
Cent (38/80) = 570
Cent (39/80) = 585
Cent (40/80) = 600.000000000000001
Cent (41/80) = 614.999999999999999
Cent (42/80) = 630.000000000000003
Cent (43/80) = 645.000000000000001
Cent (44/80) = 660
Cent (45/80) = 675.000000000000001

Cent (46/80) = 690.00000000000003
Cent (47/80) = 705
Cent (48/80) = 719.9999999999999
Cent (49/80) = 735.00000000000001
Cent (50/80) = 749.9999999999999
Cent (51/80) = 764.9999999999999
Cent (52/80) = 780.00000000000001
Cent (53/80) = 795.00000000000002
Cent (54/80) = 810.00000000000001
Cent (55/80) = 825
Cent (56/80) = 840
Cent (57/80) = 855.00000000000002
Cent (58/80) = 869.9999999999999
Cent (59/80) = 885.00000000000002
Cent (60/80) = 900
Cent (61/80) = 914.9999999999998
Cent (62/80) = 930.00000000000001
Cent (63/80) = 945
Cent (64/80) = 960.00000000000001
Cent (65/80) = 975
Cent (66/80) = 989.9999999999999
Cent (67/80) = 1005
Cent (68/80) = 1020
Cent (69/80) = 1035
Cent (70/80) = 1050
Cent (71/80) = 1065
Cent (72/80) = 1079.9999999999998
Cent (73/80) = 1095
Cent (74/80) = 1110.00000000000002
Cent (75/80) = 1125.00000000000002
Cent (76/80) = 1140.00000000000002
Cent (77/80) = 1155
Cent (78/80) = 1170
Cent (79/80) = 1185.00000000000002
Cent (80/80) = 1200

Number of semi-tones = 81

Cent (0/81) = 0
Cent (1/81) = 14.814814814814714
Cent (2/81) = 29.629629629629576
Cent (3/81) = 44.44444444444462
Cent (4/81) = 59.25925925925934
Cent (5/81) = 74.07407407407423
Cent (6/81) = 88.88888888888894
Cent (7/81) = 103.70370370370387
Cent (8/81) = 118.51851851851835
Cent (9/81) = 133.33333333333326
Cent (10/81) = 148.14814814814818
Cent (11/81) = 162.96296296296288
Cent (12/81) = 177.77777777777766
Cent (13/81) = 192.59259259259267
Cent (14/81) = 207.40740740740725
Cent (15/81) = 222.2222222222221
Cent (16/81) = 237.03703703703707
Cent (17/81) = 251.8518518518519
Cent (18/81) = 266.6666666666669
Cent (19/81) = 281.48148148148164
Cent (20/81) = 296.2962962962961
Cent (21/81) = 311.11111111111109
Cent (22/81) = 325.92592592592575

Cent (23/81) = 340.7407407407407
Cent (24/81) = 355.55555555555566
Cent (25/81) = 370.37037037037027
Cent (26/81) = 385.18518518518516
Cent (27/81) = 399.9999999999998
Cent (28/81) = 414.81481481481444
Cent (29/81) = 429.6296296296298
Cent (30/81) = 444.4444444444445
Cent (31/81) = 459.2592592592591
Cent (32/81) = 474.074074074074
Cent (33/81) = 488.88888888888874
Cent (34/81) = 503.7037037037037
Cent (35/81) = 518.5185185185188
Cent (36/81) = 533.3333333333333
Cent (37/81) = 548.1481481481479
Cent (38/81) = 562.962962962963
Cent (39/81) = 577.7777777777779
Cent (40/81) = 592.5925925925926
Cent (41/81) = 607.4074074074076
Cent (42/81) = 622.2222222222223
Cent (43/81) = 637.037037037037
Cent (44/81) = 651.8518518518517
Cent (45/81) = 666.6666666666667
Cent (46/81) = 681.4814814814815
Cent (47/81) = 696.2962962962961
Cent (48/81) = 711.1111111111111
Cent (49/81) = 725.925925925926
Cent (50/81) = 740.7407407407406
Cent (51/81) = 755.5555555555557
Cent (52/81) = 770.3703703703701
Cent (53/81) = 785.1851851851852
Cent (54/81) = 800.0000000000002
Cent (55/81) = 814.8148148148149
Cent (56/81) = 829.6296296296294
Cent (57/81) = 844.4444444444446
Cent (58/81) = 859.2592592592592
Cent (59/81) = 874.0740740740742
Cent (60/81) = 888.8888888888888
Cent (61/81) = 903.7037037037037
Cent (62/81) = 918.5185185185186
Cent (63/81) = 933.3333333333334
Cent (64/81) = 948.1481481481483
Cent (65/81) = 962.962962962963
Cent (66/81) = 977.7777777777778
Cent (67/81) = 992.5925925925928
Cent (68/81) = 1007.4074074074074
Cent (69/81) = 1022.2222222222224
Cent (70/81) = 1037.037037037037
Cent (71/81) = 1051.8518518518517
Cent (72/81) = 1066.6666666666665
Cent (73/81) = 1081.4814814814815
Cent (74/81) = 1096.2962962962963
Cent (75/81) = 1111.1111111111111
Cent (76/81) = 1125.925925925926
Cent (77/81) = 1140.7407407407409
Cent (78/81) = 1155.5555555555554
Cent (79/81) = 1170.3703703703704
Cent (80/81) = 1185.1851851851852
Cent (81/81) = 1200

Number of semi-tones = 82

Cent (0/82) = 0
Cent (1/82) = 14.634146341463328
Cent (2/82) = 29.268292682926877
Cent (3/82) = 43.902439024390134
Cent (4/82) = 58.53658536585357
Cent (5/82) = 73.17073170731712
Cent (6/82) = 87.80487804878048
Cent (7/82) = 102.43902439024403
Cent (8/82) = 117.07317073170749
Cent (9/82) = 131.70731707317088
Cent (10/82) = 146.3414634146343
Cent (11/82) = 160.9756097560976
Cent (12/82) = 175.60975609756093
Cent (13/82) = 190.24390243902428
Cent (14/82) = 204.87804878048786
Cent (15/82) = 219.51219512195118
Cent (16/82) = 234.14634146341476
Cent (17/82) = 248.78048780487813
Cent (18/82) = 263.41463414634154
Cent (19/82) = 278.0487804878047
Cent (20/82) = 292.6829268292681
Cent (21/82) = 307.31707317073176
Cent (22/82) = 321.9512195121949
Cent (23/82) = 336.5853658536584
Cent (24/82) = 351.2195121951218
Cent (25/82) = 365.85365853658527
Cent (26/82) = 380.48780487804873
Cent (27/82) = 395.1219512195122
Cent (28/82) = 409.7560975609757
Cent (29/82) = 424.3902439024391
Cent (30/82) = 439.0243902439026
Cent (31/82) = 453.65853658536616
Cent (32/82) = 468.2926829268294
Cent (33/82) = 482.9268292682928
Cent (34/82) = 497.5609756097559
Cent (35/82) = 512.1951219512198
Cent (36/82) = 526.8292682926831
Cent (37/82) = 541.4634146341464
Cent (38/82) = 556.0975609756099
Cent (39/82) = 570.7317073170731
Cent (40/82) = 585.3658536585367
Cent (41/82) = 600.0000000000001
Cent (42/82) = 614.6341463414635
Cent (43/82) = 629.2682926829269
Cent (44/82) = 643.9024390243903
Cent (45/82) = 658.5365853658536
Cent (46/82) = 673.1707317073173
Cent (47/82) = 687.8048780487803
Cent (48/82) = 702.4390243902441
Cent (49/82) = 717.0731707317073
Cent (50/82) = 731.7073170731708
Cent (51/82) = 746.3414634146342
Cent (52/82) = 760.9756097560975
Cent (53/82) = 775.6097560975611
Cent (54/82) = 790.2439024390244
Cent (55/82) = 804.8780487804877
Cent (56/82) = 819.5121951219514
Cent (57/82) = 834.1463414634145
Cent (58/82) = 848.7804878048779

Cent (59/82) = 863.4146341463415
Cent (60/82) = 878.048780487805
Cent (61/82) = 892.6829268292682
Cent (62/82) = 907.3170731707319
Cent (63/82) = 921.9512195121952
Cent (64/82) = 936.5853658536586
Cent (65/82) = 951.2195121951222
Cent (66/82) = 965.8536585365855
Cent (67/82) = 980.4878048780488
Cent (68/82) = 995.1219512195123
Cent (69/82) = 1009.7560975609756
Cent (70/82) = 1024.3902439024391
Cent (71/82) = 1039.0243902439024
Cent (72/82) = 1053.658536585366
Cent (73/82) = 1068.2926829268295
Cent (74/82) = 1082.9268292682927
Cent (75/82) = 1097.5609756097565
Cent (76/82) = 1112.1951219512198
Cent (77/82) = 1126.8292682926829
Cent (78/82) = 1141.4634146341464
Cent (79/82) = 1156.0975609756097
Cent (80/82) = 1170.7317073170732
Cent (81/82) = 1185.3658536585365
Cent (82/82) = 1200

Number of semi-tones = 83

Cent (0/83) = 0
Cent (1/83) = 14.457831325301258
Cent (2/83) = 28.915662650602222
Cent (3/83) = 43.37349397590345
Cent (4/83) = 57.831325301204906
Cent (5/83) = 72.289156626506
Cent (6/83) = 86.7469879518072
Cent (7/83) = 101.2048192771084
Cent (8/83) = 115.66265060240974
Cent (9/83) = 130.120481927711
Cent (10/83) = 144.57831325301194
Cent (11/83) = 159.03614457831333
Cent (12/83) = 173.49397590361443
Cent (13/83) = 187.95180722891575
Cent (14/83) = 202.40963855421674
Cent (15/83) = 216.8674698795182
Cent (16/83) = 231.32530120481934
Cent (17/83) = 245.78313253012035
Cent (18/83) = 260.24096385542185
Cent (19/83) = 274.69879518072264
Cent (20/83) = 289.1566265060241
Cent (21/83) = 303.61445783132496
Cent (22/83) = 318.0722891566265
Cent (23/83) = 332.5301204819278
Cent (24/83) = 346.987951807229
Cent (25/83) = 361.4457831325302
Cent (26/83) = 375.9036144578314
Cent (27/83) = 390.3614457831324
Cent (28/83) = 404.8192771084337
Cent (29/83) = 419.277108433735
Cent (30/83) = 433.7349397590363
Cent (31/83) = 448.1927710843374
Cent (32/83) = 462.6506024096387
Cent (33/83) = 477.1084337349396

Cent (34/83) = 491.56626506024105
Cent (35/83) = 506.0240963855423
Cent (36/83) = 520.4819277108435
Cent (37/83) = 534.9397590361447
Cent (38/83) = 549.3975903614459
Cent (39/83) = 563.8554216867471
Cent (40/83) = 578.3132530120482
Cent (41/83) = 592.7710843373494
Cent (42/83) = 607.2289156626507
Cent (43/83) = 621.6867469879517
Cent (44/83) = 636.1445783132531
Cent (45/83) = 650.6024096385543
Cent (46/83) = 665.0602409638556
Cent (47/83) = 679.5180722891569
Cent (48/83) = 693.9759036144577
Cent (49/83) = 708.433734939759
Cent (50/83) = 722.8915662650603
Cent (51/83) = 737.3493975903614
Cent (52/83) = 751.8072289156628
Cent (53/83) = 766.2650602409637
Cent (54/83) = 780.722891566265
Cent (55/83) = 795.1807228915662
Cent (56/83) = 809.6385542168674
Cent (57/83) = 824.0963855421686
Cent (58/83) = 838.5542168674698
Cent (59/83) = 853.012048192771
Cent (60/83) = 867.4698795180724
Cent (61/83) = 881.9277108433736
Cent (62/83) = 896.3855421686745
Cent (63/83) = 910.8433734939757
Cent (64/83) = 925.3012048192772
Cent (65/83) = 939.7590361445784
Cent (66/83) = 954.2168674698796
Cent (67/83) = 968.674698795181
Cent (68/83) = 983.1325301204819
Cent (69/83) = 997.5903614457833
Cent (70/83) = 1012.0481927710846
Cent (71/83) = 1026.5060240963855
Cent (72/83) = 1040.963855421687
Cent (73/83) = 1055.4216867469881
Cent (74/83) = 1069.8795180722893
Cent (75/83) = 1084.3373493975905
Cent (76/83) = 1098.7951807228915
Cent (77/83) = 1113.2530120481927
Cent (78/83) = 1127.710843373494
Cent (79/83) = 1142.1686746987953
Cent (80/83) = 1156.6265060240964
Cent (81/83) = 1171.0843373493976
Cent (82/83) = 1185.5421686746988
Cent (83/83) = 1200

Number of semi-tones = 84

Cent (0/84) = 0
Cent (1/84) = 14.285714285714377
Cent (2/84) = 28.571428571428513
Cent (3/84) = 42.85714285714292
Cent (4/84) = 57.142857142857125
Cent (5/84) = 71.42857142857153
Cent (6/84) = 85.71428571428575
Cent (7/84) = 100.00000000000009

Cent (8/84) = 114.28571428571412
Cent (9/84) = 128.57142857142838
Cent (10/84) = 142.85714285714278
Cent (11/84) = 157.14285714285728
Cent (12/84) = 171.4285714285713
Cent (13/84) = 185.71428571428578
Cent (14/84) = 200.00000000000006
Cent (15/84) = 214.28571428571445
Cent (16/84) = 228.5714285714286
Cent (17/84) = 242.85714285714295
Cent (18/84) = 257.14285714285705
Cent (19/84) = 271.4285714285716
Cent (20/84) = 285.7142857142856
Cent (21/84) = 299.99999999999994
Cent (22/84) = 314.2857142857143
Cent (23/84) = 328.57142857142856
Cent (24/84) = 342.8571428571428
Cent (25/84) = 357.14285714285745
Cent (26/84) = 371.4285714285712
Cent (27/84) = 385.7142857142856
Cent (28/84) = 399.99999999999998
Cent (29/84) = 414.2857142857142
Cent (30/84) = 428.57142857142856
Cent (31/84) = 442.8571428571427
Cent (32/84) = 457.1428571428571
Cent (33/84) = 471.42857142857133
Cent (34/84) = 485.7142857142858
Cent (35/84) = 500.00000000000006
Cent (36/84) = 514.2857142857143
Cent (37/84) = 528.5714285714284
Cent (38/84) = 542.8571428571428
Cent (39/84) = 557.1428571428572
Cent (40/84) = 571.4285714285713
Cent (41/84) = 585.7142857142858
Cent (42/84) = 600.00000000000001
Cent (43/84) = 614.2857142857143
Cent (44/84) = 628.5714285714286
Cent (45/84) = 642.857142857143
Cent (46/84) = 657.1428571428573
Cent (47/84) = 671.4285714285714
Cent (48/84) = 685.7142857142858
Cent (49/84) = 700.00000000000001
Cent (50/84) = 714.2857142857147
Cent (51/84) = 728.5714285714288
Cent (52/84) = 742.8571428571427
Cent (53/84) = 757.1428571428571
Cent (54/84) = 771.4285714285717
Cent (55/84) = 785.7142857142857
Cent (56/84) = 800.00000000000002
Cent (57/84) = 814.2857142857144
Cent (58/84) = 828.5714285714284
Cent (59/84) = 842.8571428571431
Cent (60/84) = 857.1428571428572
Cent (61/84) = 871.4285714285711
Cent (62/84) = 885.7142857142858
Cent (63/84) = 900
Cent (64/84) = 914.2857142857143
Cent (65/84) = 928.5714285714286
Cent (66/84) = 942.8571428571427
Cent (67/84) = 957.1428571428572

Cent (68/84) = 971.4285714285714
Cent (69/84) = 985.7142857142858
Cent (70/84) = 1000.0000000000001
Cent (71/84) = 1014.2857142857143
Cent (72/84) = 1028.5714285714284
Cent (73/84) = 1042.857142857143
Cent (74/84) = 1057.142857142857
Cent (75/84) = 1071.4285714285716
Cent (76/84) = 1085.7142857142858
Cent (77/84) = 1099.9999999999998
Cent (78/84) = 1114.285714285714
Cent (79/84) = 1128.5714285714287
Cent (80/84) = 1142.8571428571427
Cent (81/84) = 1157.1428571428569
Cent (82/84) = 1171.4285714285716
Cent (83/84) = 1185.7142857142858
Cent (84/84) = 1200

Number of semi-tones = 85

Cent (0/85) = 0
Cent (1/85) = 14.117647058823417
Cent (2/85) = 28.2352941176472
Cent (3/85) = 42.35294117647067
Cent (4/85) = 56.470588235294166
Cent (5/85) = 70.58823529411771
Cent (6/85) = 84.7058823529411
Cent (7/85) = 98.82352941176474
Cent (8/85) = 112.94117647058827
Cent (9/85) = 127.0588235294117
Cent (10/85) = 141.17647058823525
Cent (11/85) = 155.29411764705884
Cent (12/85) = 169.41176470588235
Cent (13/85) = 183.52941176470588
Cent (14/85) = 197.64705882352953
Cent (15/85) = 211.76470588235293
Cent (16/85) = 225.88235294117652
Cent (17/85) = 240.0000000000001
Cent (18/85) = 254.11764705882365
Cent (19/85) = 268.2352941176471
Cent (20/85) = 282.3529411764706
Cent (21/85) = 296.4705882352942
Cent (22/85) = 310.5882352941178
Cent (23/85) = 324.7058823529413
Cent (24/85) = 338.8235294117647
Cent (25/85) = 352.94117647058835
Cent (26/85) = 367.0588235294119
Cent (27/85) = 381.1764705882354
Cent (28/85) = 395.2941176470587
Cent (29/85) = 409.4117647058822
Cent (30/85) = 423.529411764706
Cent (31/85) = 437.6470588235293
Cent (32/85) = 451.76470588235287
Cent (33/85) = 465.8823529411765
Cent (34/85) = 480
Cent (35/85) = 494.1176470588235
Cent (36/85) = 508.23529411764713
Cent (37/85) = 522.3529411764705
Cent (38/85) = 536.4705882352943
Cent (39/85) = 550.5882352941176
Cent (40/85) = 564.7058823529412

Cent (41/85) = 578.8235294117646
Cent (42/85) = 592.9411764705883
Cent (43/85) = 607.0588235294117
Cent (44/85) = 621.1764705882354
Cent (45/85) = 635.294117647059
Cent (46/85) = 649.4117647058823
Cent (47/85) = 663.5294117647059
Cent (48/85) = 677.6470588235294
Cent (49/85) = 691.7647058823529
Cent (50/85) = 705.8823529411765
Cent (51/85) = 719.9999999999999
Cent (52/85) = 734.1176470588233
Cent (53/85) = 748.2352941176472
Cent (54/85) = 762.3529411764708
Cent (55/85) = 776.4705882352941
Cent (56/85) = 790.5882352941179
Cent (57/85) = 804.705882352941
Cent (58/85) = 818.8235294117648
Cent (59/85) = 832.9411764705883
Cent (60/85) = 847.0588235294117
Cent (61/85) = 861.1764705882354
Cent (62/85) = 875.2941176470587
Cent (63/85) = 889.4117647058823
Cent (64/85) = 903.5294117647059
Cent (65/85) = 917.6470588235295
Cent (66/85) = 931.764705882353
Cent (67/85) = 945.8823529411767
Cent (68/85) = 960.0000000000001
Cent (69/85) = 974.1176470588235
Cent (70/85) = 988.235294117647
Cent (71/85) = 1002.3529411764708
Cent (72/85) = 1016.4705882352941
Cent (73/85) = 1030.5882352941176
Cent (74/85) = 1044.7058823529412
Cent (75/85) = 1058.8235294117646
Cent (76/85) = 1072.9411764705883
Cent (77/85) = 1087.0588235294117
Cent (78/85) = 1101.1764705882351
Cent (79/85) = 1115.294117647059
Cent (80/85) = 1129.4117647058824
Cent (81/85) = 1143.5294117647056
Cent (82/85) = 1157.6470588235295
Cent (83/85) = 1171.7647058823527
Cent (84/85) = 1185.8823529411766
Cent (85/85) = 1200

Number of semi-tones = 86

Cent (0/86) = 0
Cent (1/86) = 13.953488372092837
Cent (2/86) = 27.90697674418616
Cent (3/86) = 41.86046511627914
Cent (4/86) = 55.81395348837216
Cent (5/86) = 69.76744186046508
Cent (6/86) = 83.72093023255815
Cent (7/86) = 97.67441860465122
Cent (8/86) = 111.62790697674423
Cent (9/86) = 125.5813953488372
Cent (10/86) = 139.53488372093014
Cent (11/86) = 153.48837209302312
Cent (12/86) = 167.44186046511638

Cent (13/86) = 181.3953488372092
Cent (14/86) = 195.34883720930253
Cent (15/86) = 209.30232558139545
Cent (16/86) = 223.2558139534882
Cent (17/86) = 237.20930232558126
Cent (18/86) = 251.16279069767427
Cent (19/86) = 265.1162790697673
Cent (20/86) = 279.06976744186034
Cent (21/86) = 293.02325581395354
Cent (22/86) = 306.97674418604646
Cent (23/86) = 320.93023255813955
Cent (24/86) = 334.88372093023247
Cent (25/86) = 348.8372093023258
Cent (26/86) = 362.7906976744184
Cent (27/86) = 376.7441860465117
Cent (28/86) = 390.6976744186048
Cent (29/86) = 404.6511627906977
Cent (30/86) = 418.6046511627909
Cent (31/86) = 432.5581395348836
Cent (32/86) = 446.5116279069768
Cent (33/86) = 460.4651162790698
Cent (34/86) = 474.41860465116264
Cent (35/86) = 488.3720930232562
Cent (36/86) = 502.32558139534893
Cent (37/86) = 516.2790697674419
Cent (38/86) = 530.2325581395348
Cent (39/86) = 544.1860465116279
Cent (40/86) = 558.139534883721
Cent (41/86) = 572.0930232558139
Cent (42/86) = 586.0465116279066
Cent (43/86) = 600.0000000000001
Cent (44/86) = 613.9534883720931
Cent (45/86) = 627.9069767441861
Cent (46/86) = 641.8604651162793
Cent (47/86) = 655.8139534883721
Cent (48/86) = 669.7674418604647
Cent (49/86) = 683.7209302325579
Cent (50/86) = 697.6744186046511
Cent (51/86) = 711.6279069767444
Cent (52/86) = 725.5813953488373
Cent (53/86) = 739.5348837209303
Cent (54/86) = 753.4883720930234
Cent (55/86) = 767.4418604651164
Cent (56/86) = 781.3953488372092
Cent (57/86) = 795.3488372093025
Cent (58/86) = 809.3023255813955
Cent (59/86) = 823.2558139534885
Cent (60/86) = 837.2093023255815
Cent (61/86) = 851.1627906976745
Cent (62/86) = 865.1162790697672
Cent (63/86) = 879.0697674418606
Cent (64/86) = 893.0232558139536
Cent (65/86) = 906.9767441860465
Cent (66/86) = 920.9302325581396
Cent (67/86) = 934.8837209302328
Cent (68/86) = 948.8372093023255
Cent (69/86) = 962.7906976744185
Cent (70/86) = 976.7441860465118
Cent (71/86) = 990.6976744186046
Cent (72/86) = 1004.6511627906975

Cent (73/86) = 1018.6046511627909
Cent (74/86) = 1032.5581395348838
Cent (75/86) = 1046.511627906977
Cent (76/86) = 1060.46511627907
Cent (77/86) = 1074.4186046511627
Cent (78/86) = 1088.3720930232557
Cent (79/86) = 1102.3255813953488
Cent (80/86) = 1116.2790697674418
Cent (81/86) = 1130.2325581395348
Cent (82/86) = 1144.186046511628
Cent (83/86) = 1158.139534883721
Cent (84/86) = 1172.093023255814
Cent (85/86) = 1186.046511627907
Cent (86/86) = 1200

Number of semi-tones = 87

Cent (0/87) = 0
Cent (1/87) = 13.793103448275707
Cent (2/87) = 27.586206896551683
Cent (3/87) = 41.37931034482742
Cent (4/87) = 55.17241379310345
Cent (5/87) = 68.9655172413793
Cent (6/87) = 82.75862068965519
Cent (7/87) = 96.55172413793099
Cent (8/87) = 110.344827586207
Cent (9/87) = 124.13793103448259
Cent (10/87) = 137.9310344827586
Cent (11/87) = 151.72413793103433
Cent (12/87) = 165.51724137931038
Cent (13/87) = 179.31034482758625
Cent (14/87) = 193.10344827586206
Cent (15/87) = 206.89655172413805
Cent (16/87) = 220.6896551724138
Cent (17/87) = 234.48275862068957
Cent (18/87) = 248.27586206896544
Cent (19/87) = 262.0689655172413
Cent (20/87) = 275.8620689655173
Cent (21/87) = 289.655172413793
Cent (22/87) = 303.448275862069
Cent (23/87) = 317.2413793103447
Cent (24/87) = 331.0344827586207
Cent (25/87) = 344.8275862068967
Cent (26/87) = 358.6206896551723
Cent (27/87) = 372.41379310344826
Cent (28/87) = 386.2068965517242
Cent (29/87) = 399.9999999999998
Cent (30/87) = 413.7931034482759
Cent (31/87) = 427.5862068965517
Cent (32/87) = 441.3793103448277
Cent (33/87) = 455.1724137931034
Cent (34/87) = 468.9655172413794
Cent (35/87) = 482.7586206896553
Cent (36/87) = 496.55172413793093
Cent (37/87) = 510.3448275862069
Cent (38/87) = 524.1379310344828
Cent (39/87) = 537.9310344827586
Cent (40/87) = 551.7241379310346
Cent (41/87) = 565.5172413793102
Cent (42/87) = 579.3103448275862
Cent (43/87) = 593.1034482758621

Cent (44/87) = 606.8965517241382
Cent (45/87) = 620.6896551724138
Cent (46/87) = 634.4827586206895
Cent (47/87) = 648.2758620689655
Cent (48/87) = 662.0689655172413
Cent (49/87) = 675.8620689655173
Cent (50/87) = 689.655172413793
Cent (51/87) = 703.448275862069
Cent (52/87) = 717.2413793103447
Cent (53/87) = 731.0344827586208
Cent (54/87) = 744.8275862068965
Cent (55/87) = 758.6206896551727
Cent (56/87) = 772.4137931034483
Cent (57/87) = 786.2068965517242
Cent (58/87) = 800.0000000000002
Cent (59/87) = 813.7931034482756
Cent (60/87) = 827.5862068965517
Cent (61/87) = 841.3793103448278
Cent (62/87) = 855.1724137931037
Cent (63/87) = 868.9655172413794
Cent (64/87) = 882.7586206896552
Cent (65/87) = 896.5517241379309
Cent (66/87) = 910.3448275862067
Cent (67/87) = 924.1379310344827
Cent (68/87) = 937.9310344827587
Cent (69/87) = 951.7241379310348
Cent (70/87) = 965.5172413793103
Cent (71/87) = 979.3103448275859
Cent (72/87) = 993.1034482758624
Cent (73/87) = 1006.896551724138
Cent (74/87) = 1020.6896551724137
Cent (75/87) = 1034.4827586206895
Cent (76/87) = 1048.2758620689656
Cent (77/87) = 1062.0689655172414
Cent (78/87) = 1075.8620689655174
Cent (79/87) = 1089.6551724137933
Cent (80/87) = 1103.448275862069
Cent (81/87) = 1117.2413793103449
Cent (82/87) = 1131.0344827586205
Cent (83/87) = 1144.8275862068965
Cent (84/87) = 1158.6206896551723
Cent (85/87) = 1172.4137931034481
Cent (86/87) = 1186.2068965517242
Cent (87/87) = 1200

Number of semi-tones = 88

Cent (0/88) = 0
Cent (1/88) = 13.63636363636346
Cent (2/88) = 27.27272727272723
Cent (3/88) = 40.90909090909109
Cent (4/88) = 54.54545454545451
Cent (5/88) = 68.18181818181824
Cent (6/88) = 81.81818181818183
Cent (7/88) = 95.45454545454545
Cent (8/88) = 109.09090909090908
Cent (9/88) = 122.72727272727279
Cent (10/88) = 136.36363636363654
Cent (11/88) = 150.00000000000003
Cent (12/88) = 163.63636363636346
Cent (13/88) = 177.27272727272745

Cent (14/88) = 190.90909090909105
Cent (15/88) = 204.54545454545448
Cent (16/88) = 218.18181818181827
Cent (17/88) = 231.81818181818187
Cent (18/88) = 245.45454545454547
Cent (19/88) = 259.09090909090895
Cent (20/88) = 272.7272727272728
Cent (21/88) = 286.36363636363643
Cent (22/88) = 299.99999999999994
Cent (23/88) = 313.636363636364
Cent (24/88) = 327.27272727272714
Cent (25/88) = 340.9090909090908
Cent (26/88) = 354.54545454545456
Cent (27/88) = 368.1818181818183
Cent (28/88) = 381.818181818182
Cent (29/88) = 395.4545454545453
Cent (30/88) = 409.09090909090895
Cent (31/88) = 422.7272727272729
Cent (32/88) = 436.3636363636363
Cent (33/88) = 450.0000000000002
Cent (34/88) = 463.6363636363637
Cent (35/88) = 477.27272727272737
Cent (36/88) = 490.9090909090911
Cent (37/88) = 504.5454545454547
Cent (38/88) = 518.1818181818181
Cent (39/88) = 531.818181818182
Cent (40/88) = 545.4545454545454
Cent (41/88) = 559.0909090909088
Cent (42/88) = 572.7272727272726
Cent (43/88) = 586.3636363636367
Cent (44/88) = 600.0000000000001
Cent (45/88) = 613.6363636363637
Cent (46/88) = 627.2727272727273
Cent (47/88) = 640.9090909090909
Cent (48/88) = 654.5454545454545
Cent (49/88) = 668.1818181818181
Cent (50/88) = 681.8181818181815
Cent (51/88) = 695.4545454545458
Cent (52/88) = 709.0909090909091
Cent (53/88) = 722.7272727272731
Cent (54/88) = 736.3636363636366
Cent (55/88) = 749.9999999999999
Cent (56/88) = 763.6363636363637
Cent (57/88) = 777.2727272727274
Cent (58/88) = 790.9090909090909
Cent (59/88) = 804.5454545454543
Cent (60/88) = 818.1818181818181
Cent (61/88) = 831.8181818181818
Cent (62/88) = 845.4545454545456
Cent (63/88) = 859.0909090909093
Cent (64/88) = 872.7272727272729
Cent (65/88) = 886.3636363636365
Cent (66/88) = 900
Cent (67/88) = 913.6363636363635
Cent (68/88) = 927.2727272727271
Cent (69/88) = 940.9090909090901
Cent (70/88) = 954.5454545454547
Cent (71/88) = 968.1818181818184
Cent (72/88) = 981.8181818181819
Cent (73/88) = 995.4545454545455

Cent (74/88) = 1009.0909090909089
Cent (75/88) = 1022.7272727272729
Cent (76/88) = 1036.3636363636363
Cent (77/88) = 1050
Cent (78/88) = 1063.636363636364
Cent (79/88) = 1077.272727272727
Cent (80/88) = 1090.9090909090908
Cent (81/88) = 1104.5454545454545
Cent (82/88) = 1118.181818181818
Cent (83/88) = 1131.818181818182
Cent (84/88) = 1145.4545454545457
Cent (85/88) = 1159.0909090909092
Cent (86/88) = 1172.7272727272727
Cent (87/88) = 1186.3636363636363
Cent (88/88) = 1200

Number of semi-tones = 89

Cent (0/89) = 0
Cent (1/89) = 13.483146067415706
Cent (2/89) = 26.966292134831388
Cent (3/89) = 40.449438202247215
Cent (4/89) = 53.93258426966289
Cent (5/89) = 67.41573033707863
Cent (6/89) = 80.89887640449454
Cent (7/89) = 94.38202247191026
Cent (8/89) = 107.865168539326
Cent (9/89) = 121.34831460674171
Cent (10/89) = 134.83146067415746
Cent (11/89) = 148.31460674157287
Cent (12/89) = 161.79775280898863
Cent (13/89) = 175.28089887640454
Cent (14/89) = 188.76404494382035
Cent (15/89) = 202.24719101123605
Cent (16/89) = 215.73033707865162
Cent (17/89) = 229.21348314606738
Cent (18/89) = 242.696629213483
Cent (19/89) = 256.179775280899
Cent (20/89) = 269.66292134831474
Cent (21/89) = 283.14606741573067
Cent (22/89) = 296.6292134831461
Cent (23/89) = 310.1123595505619
Cent (24/89) = 323.5955056179771
Cent (25/89) = 337.0786516853932
Cent (26/89) = 350.56179775280873
Cent (27/89) = 364.04494382022466
Cent (28/89) = 377.5280898876401
Cent (29/89) = 391.0112359550561
Cent (30/89) = 404.4943820224721
Cent (31/89) = 417.9775280898877
Cent (32/89) = 431.46067415730346
Cent (33/89) = 444.9438202247193
Cent (34/89) = 458.42696629213475
Cent (35/89) = 471.9101123595506
Cent (36/89) = 485.39325842696627
Cent (37/89) = 498.87640449438214
Cent (38/89) = 512.3595505617978
Cent (39/89) = 525.842696629213
Cent (40/89) = 539.325842696629
Cent (41/89) = 552.808988764045
Cent (42/89) = 566.2921348314608

Cent (43/89) = 579.7752808988765
Cent (44/89) = 593.2584269662921
Cent (45/89) = 606.741573033708
Cent (46/89) = 620.2247191011237
Cent (47/89) = 633.7078651685393
Cent (48/89) = 647.1910112359551
Cent (49/89) = 660.6741573033706
Cent (50/89) = 674.1573033707864
Cent (51/89) = 687.640449438202
Cent (52/89) = 701.123595505618
Cent (53/89) = 714.6067415730337
Cent (54/89) = 728.0898876404497
Cent (55/89) = 741.5730337078651
Cent (56/89) = 755.056179775281
Cent (57/89) = 768.5393258426967
Cent (58/89) = 782.0224719101125
Cent (59/89) = 795.505617977528
Cent (60/89) = 808.9887640449438
Cent (61/89) = 822.4719101123596
Cent (62/89) = 835.9550561797754
Cent (63/89) = 849.438202247191
Cent (64/89) = 862.9213483146067
Cent (65/89) = 876.4044943820224
Cent (66/89) = 889.8876404494382
Cent (67/89) = 903.370786516854
Cent (68/89) = 916.8539325842697
Cent (69/89) = 930.3370786516853
Cent (70/89) = 943.8202247191012
Cent (71/89) = 957.3033707865168
Cent (72/89) = 970.7865168539327
Cent (73/89) = 984.2696629213483
Cent (74/89) = 997.7528089887642
Cent (75/89) = 1011.2359550561796
Cent (76/89) = 1024.7191011235955
Cent (77/89) = 1038.2022471910113
Cent (78/89) = 1051.6853932584272
Cent (79/89) = 1065.1685393258426
Cent (80/89) = 1078.6516853932587
Cent (81/89) = 1092.1348314606741
Cent (82/89) = 1105.61797752809
Cent (83/89) = 1119.1011235955054
Cent (84/89) = 1132.5842696629215
Cent (85/89) = 1146.067415730337
Cent (86/89) = 1159.5505617977528
Cent (87/89) = 1173.0337078651685
Cent (88/89) = 1186.5168539325841
Cent (89/89) = 1200

Number of semi-tones = 90

Cent (0/90) = 0
Cent (1/90) = 13.333333333333197
Cent (2/90) = 26.666666666666796
Cent (3/90) = 40.000000000000114
Cent (4/90) = 53.3333333333332
Cent (5/90) = 66.66666666666666
Cent (6/90) = 80.00000000000003
Cent (7/90) = 93.33333333333326
Cent (8/90) = 106.66666666666654
Cent (9/90) = 119.99999999999994
Cent (10/90) = 133.33333333333326

Cent (11/90) = 146.66666666666677
Cent (12/90) = 159.99999999999991
Cent (13/90) = 173.33333333333317
Cent (14/90) = 186.66666666666663
Cent (15/90) = 200.00000000000006
Cent (16/90) = 213.33333333333343
Cent (17/90) = 226.66666666666683
Cent (18/90) = 240.00000000000001
Cent (19/90) = 253.3333333333334
Cent (20/90) = 266.6666666666669
Cent (21/90) = 280
Cent (22/90) = 293.3333333333337
Cent (23/90) = 306.6666666666667
Cent (24/90) = 319.99999999999994
Cent (25/90) = 333.3333333333333
Cent (26/90) = 346.66666666666674
Cent (27/90) = 360.00000000000006
Cent (28/90) = 373.3333333333337
Cent (29/90) = 386.6666666666668
Cent (30/90) = 399.9999999999998
Cent (31/90) = 413.3333333333331
Cent (32/90) = 426.6666666666666
Cent (33/90) = 439.9999999999999
Cent (34/90) = 453.3333333333335
Cent (35/90) = 466.6666666666668
Cent (36/90) = 480
Cent (37/90) = 493.3333333333337
Cent (38/90) = 506.6666666666665
Cent (39/90) = 520.0000000000003
Cent (40/90) = 533.3333333333333
Cent (41/90) = 546.6666666666666
Cent (42/90) = 560
Cent (43/90) = 573.3333333333334
Cent (44/90) = 586.6666666666666
Cent (45/90) = 600.0000000000001
Cent (46/90) = 613.3333333333334
Cent (47/90) = 626.6666666666665
Cent (48/90) = 640.0000000000003
Cent (49/90) = 653.3333333333334
Cent (50/90) = 666.6666666666667
Cent (51/90) = 679.9999999999999
Cent (52/90) = 693.3333333333329
Cent (53/90) = 706.6666666666667
Cent (54/90) = 719.9999999999999
Cent (55/90) = 733.3333333333335
Cent (56/90) = 746.6666666666667
Cent (57/90) = 759.9999999999999
Cent (58/90) = 773.3333333333333
Cent (59/90) = 786.6666666666666
Cent (60/90) = 800.0000000000002
Cent (61/90) = 813.3333333333336
Cent (62/90) = 826.6666666666667
Cent (63/90) = 840
Cent (64/90) = 853.3333333333334
Cent (65/90) = 866.6666666666665
Cent (66/90) = 880.0000000000002
Cent (67/90) = 893.3333333333335
Cent (68/90) = 906.6666666666669
Cent (69/90) = 920
Cent (70/90) = 933.3333333333334

Cent (71/90) = 946.6666666666671
Cent (72/90) = 960.0000000000001
Cent (73/90) = 973.3333333333335
Cent (74/90) = 986.6666666666665
Cent (75/90) = 1000.0000000000001
Cent (76/90) = 1013.3333333333333
Cent (77/90) = 1026.6666666666663
Cent (78/90) = 1040
Cent (79/90) = 1053.3333333333335
Cent (80/90) = 1066.6666666666665
Cent (81/90) = 1079.9999999999998
Cent (82/90) = 1093.3333333333333
Cent (83/90) = 1106.6666666666667
Cent (84/90) = 1120.0000000000002
Cent (85/90) = 1133.3333333333333
Cent (86/90) = 1146.6666666666667
Cent (87/90) = 1159.9999999999998
Cent (88/90) = 1173.3333333333335
Cent (89/90) = 1186.6666666666667
Cent (90/90) = 1200

Number of semi-tones = 91

Cent (0/91) = 0
Cent (1/91) = 13.186813186813081
Cent (2/91) = 26.373626373626365
Cent (3/91) = 39.56043956043969
Cent (4/91) = 52.74725274725261
Cent (5/91) = 65.9340659340658
Cent (6/91) = 79.1208791208791
Cent (7/91) = 92.30769230769229
Cent (8/91) = 105.49450549450555
Cent (9/91) = 118.68131868131856
Cent (10/91) = 131.868131868132
Cent (11/91) = 145.0549450549452
Cent (12/91) = 158.24175824175825
Cent (13/91) = 171.4285714285713
Cent (14/91) = 184.6153846153845
Cent (15/91) = 197.80219780219784
Cent (16/91) = 210.9890109890111
Cent (17/91) = 224.17582417582432
Cent (18/91) = 237.3626373626373
Cent (19/91) = 250.54945054945074
Cent (20/91) = 263.7362637362637
Cent (21/91) = 276.92307692307685
Cent (22/91) = 290.10989010989005
Cent (23/91) = 303.29670329670324
Cent (24/91) = 316.48351648351655
Cent (25/91) = 329.67032967032975
Cent (26/91) = 342.8571428571428
Cent (27/91) = 356.04395604395575
Cent (28/91) = 369.2307692307693
Cent (29/91) = 382.41758241758254
Cent (30/91) = 395.6043956043955
Cent (31/91) = 408.791208791209
Cent (32/91) = 421.9780219780222
Cent (33/91) = 435.1648351648351
Cent (34/91) = 448.3516483516483
Cent (35/91) = 461.53846153846155
Cent (36/91) = 474.7252747252748
Cent (37/91) = 487.91208791208794

Cent (38/91) = 501.0989010989011
Cent (39/91) = 514.2857142857143
Cent (40/91) = 527.4725274725275
Cent (41/91) = 540.6593406593406
Cent (42/91) = 553.8461538461539
Cent (43/91) = 567.032967032967
Cent (44/91) = 580.2197802197802
Cent (45/91) = 593.4065934065934
Cent (46/91) = 606.5934065934067
Cent (47/91) = 619.7802197802198
Cent (48/91) = 632.9670329670329
Cent (49/91) = 646.1538461538463
Cent (50/91) = 659.3406593406598
Cent (51/91) = 672.5274725274725
Cent (52/91) = 685.7142857142858
Cent (53/91) = 698.9010989010989
Cent (54/91) = 712.0879120879124
Cent (55/91) = 725.274725274725
Cent (56/91) = 738.4615384615387
Cent (57/91) = 751.6483516483519
Cent (58/91) = 764.835164835165
Cent (59/91) = 778.0219780219782
Cent (60/91) = 791.2087912087911
Cent (61/91) = 804.3956043956042
Cent (62/91) = 817.5824175824174
Cent (63/91) = 830.7692307692308
Cent (64/91) = 843.956043956044
Cent (65/91) = 857.1428571428572
Cent (66/91) = 870.3296703296703
Cent (67/91) = 883.5164835164835
Cent (68/91) = 896.7032967032966
Cent (69/91) = 909.8901098901098
Cent (70/91) = 923.0769230769231
Cent (71/91) = 936.2637362637364
Cent (72/91) = 949.4505494505495
Cent (73/91) = 962.6373626373627
Cent (74/91) = 975.8241758241759
Cent (75/91) = 989.0109890109892
Cent (76/91) = 1002.1978021978022
Cent (77/91) = 1015.3846153846154
Cent (78/91) = 1028.5714285714284
Cent (79/91) = 1041.7582417582419
Cent (80/91) = 1054.9450549450548
Cent (81/91) = 1068.131868131868
Cent (82/91) = 1081.3186813186812
Cent (83/91) = 1094.5054945054944
Cent (84/91) = 1107.6923076923078
Cent (85/91) = 1120.8791208791213
Cent (86/91) = 1134.065934065934
Cent (87/91) = 1147.2527472527472
Cent (88/91) = 1160.4395604395604
Cent (89/91) = 1173.6263736263736
Cent (90/91) = 1186.813186813187
Cent (91/91) = 1200

Number of semi-tones = 92

Cent (0/92) = 0
Cent (1/92) = 13.043478260869621
Cent (2/92) = 26.086956521739243
Cent (3/92) = 39.13043478260882

Cent (4/92) = 52.173913043478386
Cent (5/92) = 65.21739130434797
Cent (6/92) = 78.26086956521723
Cent (7/92) = 91.30434782608701
Cent (8/92) = 104.34782608695662
Cent (9/92) = 117.39130434782616
Cent (10/92) = 130.43478260869549
Cent (11/92) = 143.47826086956525
Cent (12/92) = 156.52173913043484
Cent (13/92) = 169.56521739130446
Cent (14/92) = 182.608695652174
Cent (15/92) = 195.65217391304358
Cent (16/92) = 208.69565217391295
Cent (17/92) = 221.73913043478262
Cent (18/92) = 234.78260869565224
Cent (19/92) = 247.82608695652175
Cent (20/92) = 260.86956521739125
Cent (21/92) = 273.91304347826076
Cent (22/92) = 286.95652173913055
Cent (23/92) = 299.99999999999994
Cent (24/92) = 313.04347826086956
Cent (25/92) = 326.0869565217392
Cent (26/92) = 339.1304347826087
Cent (27/92) = 352.1739130434785
Cent (28/92) = 365.2173913043476
Cent (29/92) = 378.2608695652175
Cent (30/92) = 391.304347826087
Cent (31/92) = 404.3478260869567
Cent (32/92) = 417.3913043478262
Cent (33/92) = 430.4347826086957
Cent (34/92) = 443.47826086956525
Cent (35/92) = 456.52173913043464
Cent (36/92) = 469.56521739130426
Cent (37/92) = 482.608695652174
Cent (38/92) = 495.65217391304355
Cent (39/92) = 508.69565217391306
Cent (40/92) = 521.7391304347822
Cent (41/92) = 534.7826086956524
Cent (42/92) = 547.8260869565216
Cent (43/92) = 560.8695652173914
Cent (44/92) = 573.9130434782609
Cent (45/92) = 586.9565217391306
Cent (46/92) = 600.00000000000001
Cent (47/92) = 613.0434782608696
Cent (48/92) = 626.0869565217391
Cent (49/92) = 639.1304347826087
Cent (50/92) = 652.173913043478
Cent (51/92) = 665.2173913043479
Cent (52/92) = 678.2608695652173
Cent (53/92) = 691.304347826087
Cent (54/92) = 704.3478260869566
Cent (55/92) = 717.3913043478262
Cent (56/92) = 730.4347826086956
Cent (57/92) = 743.4782608695654
Cent (58/92) = 756.5217391304349
Cent (59/92) = 769.5652173913044
Cent (60/92) = 782.608695652174
Cent (61/92) = 795.6521739130435
Cent (62/92) = 808.6956521739131
Cent (63/92) = 821.7391304347829

Cent (64/92) = 834.782608695652
Cent (65/92) = 847.8260869565219
Cent (66/92) = 860.8695652173911
Cent (67/92) = 873.9130434782606
Cent (68/92) = 886.9565217391304
Cent (69/92) = 900
Cent (70/92) = 913.0434782608698
Cent (71/92) = 926.0869565217391
Cent (72/92) = 939.1304347826086
Cent (73/92) = 952.1739130434784
Cent (74/92) = 965.217391304348
Cent (75/92) = 978.2608695652174
Cent (76/92) = 991.304347826087
Cent (77/92) = 1004.3478260869566
Cent (78/92) = 1017.3913043478261
Cent (79/92) = 1030.4347826086957
Cent (80/92) = 1043.4782608695652
Cent (81/92) = 1056.521739130435
Cent (82/92) = 1069.5652173913043
Cent (83/92) = 1082.608695652174
Cent (84/92) = 1095.6521739130435
Cent (85/92) = 1108.695652173913
Cent (86/92) = 1121.7391304347827
Cent (87/92) = 1134.782608695652
Cent (88/92) = 1147.8260869565217
Cent (89/92) = 1160.8695652173913
Cent (90/92) = 1173.913043478261
Cent (91/92) = 1186.9565217391303
Cent (92/92) = 1200

Number of semi-tones = 93

Cent (0/93) = 0
Cent (1/93) = 12.9032258064516
Cent (2/93) = 25.806451612903047
Cent (3/93) = 38.70967741935466
Cent (4/93) = 51.61290322580635
Cent (5/93) = 64.51612903225815
Cent (6/93) = 77.4193548387096
Cent (7/93) = 90.32258064516135
Cent (8/93) = 103.22580645161285
Cent (9/93) = 116.12903225806461
Cent (10/93) = 129.0322580645161
Cent (11/93) = 141.9354838709678
Cent (12/93) = 154.83870967741933
Cent (13/93) = 167.74193548387083
Cent (14/93) = 180.64516129032245
Cent (15/93) = 193.5483870967743
Cent (16/93) = 206.4516129032258
Cent (17/93) = 219.35483870967738
Cent (18/93) = 232.25806451612908
Cent (19/93) = 245.16129032258056
Cent (20/93) = 258.06451612903237
Cent (21/93) = 270.96774193548356
Cent (22/93) = 283.87096774193566
Cent (23/93) = 296.7741935483871
Cent (24/93) = 309.6774193548387
Cent (25/93) = 322.5806451612904
Cent (26/93) = 335.48387096774206
Cent (27/93) = 348.3870967741936
Cent (28/93) = 361.2903225806451

Cent (29/93) = 374.19354838709694
Cent (30/93) = 387.09677419354836
Cent (31/93) = 399.99999999999998
Cent (32/93) = 412.90322580645176
Cent (33/93) = 425.8064516129032
Cent (34/93) = 438.70967741935493
Cent (35/93) = 451.61290322580663
Cent (36/93) = 464.51612903225805
Cent (37/93) = 477.41935483870964
Cent (38/93) = 490.3225806451617
Cent (39/93) = 503.22580645161287
Cent (40/93) = 516.1290322580644
Cent (41/93) = 529.0322580645161
Cent (42/93) = 541.9354838709677
Cent (43/93) = 554.8387096774194
Cent (44/93) = 567.7419354838711
Cent (45/93) = 580.6451612903227
Cent (46/93) = 593.5483870967741
Cent (47/93) = 606.4516129032254
Cent (48/93) = 619.3548387096773
Cent (49/93) = 632.2580645161293
Cent (50/93) = 645.1612903225807
Cent (51/93) = 658.0645161290321
Cent (52/93) = 670.9677419354839
Cent (53/93) = 683.8709677419355
Cent (54/93) = 696.7741935483871
Cent (55/93) = 709.6774193548388
Cent (56/93) = 722.5806451612904
Cent (57/93) = 735.4838709677421
Cent (58/93) = 748.3870967741935
Cent (59/93) = 761.2903225806456
Cent (60/93) = 774.1935483870966
Cent (61/93) = 787.0967741935484
Cent (62/93) = 800.0000000000002
Cent (63/93) = 812.9032258064515
Cent (64/93) = 825.8064516129032
Cent (65/93) = 838.709677419355
Cent (66/93) = 851.6129032258066
Cent (67/93) = 864.5161290322583
Cent (68/93) = 877.4193548387099
Cent (69/93) = 890.3225806451611
Cent (70/93) = 903.2258064516127
Cent (71/93) = 916.1290322580646
Cent (72/93) = 929.0322580645161
Cent (73/93) = 941.9354838709677
Cent (74/93) = 954.8387096774194
Cent (75/93) = 967.741935483871
Cent (76/93) = 980.6451612903227
Cent (77/93) = 993.5483870967743
Cent (78/93) = 1006.4516129032259
Cent (79/93) = 1019.3548387096773
Cent (80/93) = 1032.258064516129
Cent (81/93) = 1045.1612903225805
Cent (82/93) = 1058.0645161290322
Cent (83/93) = 1070.967741935484
Cent (84/93) = 1083.8709677419354
Cent (85/93) = 1096.774193548387
Cent (86/93) = 1109.6774193548388
Cent (87/93) = 1122.5806451612902
Cent (88/93) = 1135.4838709677422

Cent (89/93) = 1148.3870967741934
Cent (90/93) = 1161.2903225806451
Cent (91/93) = 1174.1935483870968
Cent (92/93) = 1187.0967741935483
Cent (93/93) = 1200

Number of semi-tones = 94

Cent (0/94) = 0
Cent (1/94) = 12.765957446808534
Cent (2/94) = 25.531914893616857
Cent (3/94) = 38.29787234042568
Cent (4/94) = 51.06382978723388
Cent (5/94) = 63.829787234042485
Cent (6/94) = 76.59574468085098
Cent (7/94) = 89.36170212765973
Cent (8/94) = 102.12765957446791
Cent (9/94) = 114.89361702127664
Cent (10/94) = 127.65957446808505
Cent (11/94) = 140.42553191489353
Cent (12/94) = 153.19148936170217
Cent (13/94) = 165.95744680851075
Cent (14/94) = 178.72340425531905
Cent (15/94) = 191.48936170212778
Cent (16/94) = 204.2553191489362
Cent (17/94) = 217.02127659574458
Cent (18/94) = 229.78723404255328
Cent (19/94) = 242.55319148936186
Cent (20/94) = 255.3191489361702
Cent (21/94) = 268.0851063829789
Cent (22/94) = 280.8510638297874
Cent (23/94) = 293.61702127659566
Cent (24/94) = 306.3829787234043
Cent (25/94) = 319.14893617021266
Cent (26/94) = 331.91489361702145
Cent (27/94) = 344.6808510638303
Cent (28/94) = 357.4468085106383
Cent (29/94) = 370.2127659574472
Cent (30/94) = 382.9787234042555
Cent (31/94) = 395.7446808510639
Cent (32/94) = 408.5106382978725
Cent (33/94) = 421.27659574468083
Cent (34/94) = 434.0425531914894
Cent (35/94) = 446.80851063829806
Cent (36/94) = 459.5744680851064
Cent (37/94) = 472.34042553191506
Cent (38/94) = 485.1063829787234
Cent (39/94) = 497.8723404255319
Cent (40/94) = 510.6382978723405
Cent (41/94) = 523.404255319149
Cent (42/94) = 536.1702127659576
Cent (43/94) = 548.9361702127659
Cent (44/94) = 561.7021276595744
Cent (45/94) = 574.4680851063829
Cent (46/94) = 587.2340425531914
Cent (47/94) = 600.0000000000001
Cent (48/94) = 612.7659574468084
Cent (49/94) = 625.5319148936171
Cent (50/94) = 638.2978723404256
Cent (51/94) = 651.063829787234
Cent (52/94) = 663.8297872340426

Cent (53/94) = 676.5957446808511
Cent (54/94) = 689.3617021276599
Cent (55/94) = 702.1276595744682
Cent (56/94) = 714.8936170212766
Cent (57/94) = 727.659574468085
Cent (58/94) = 740.4255319148937
Cent (59/94) = 753.1914893617022
Cent (60/94) = 765.9574468085107
Cent (61/94) = 778.7234042553191
Cent (62/94) = 791.4893617021277
Cent (63/94) = 804.2553191489362
Cent (64/94) = 817.0212765957448
Cent (65/94) = 829.7872340425532
Cent (66/94) = 842.5531914893618
Cent (67/94) = 855.3191489361702
Cent (68/94) = 868.0851063829788
Cent (69/94) = 880.851063829787
Cent (70/94) = 893.6170212765958
Cent (71/94) = 906.3829787234039
Cent (72/94) = 919.1489361702128
Cent (73/94) = 931.914893617021
Cent (74/94) = 944.6808510638299
Cent (75/94) = 957.4468085106383
Cent (76/94) = 970.2127659574468
Cent (77/94) = 982.9787234042553
Cent (78/94) = 995.7446808510635
Cent (79/94) = 1008.5106382978724
Cent (80/94) = 1021.2765957446809
Cent (81/94) = 1034.0425531914896
Cent (82/94) = 1046.8085106382978
Cent (83/94) = 1059.5744680851067
Cent (84/94) = 1072.340425531915
Cent (85/94) = 1085.1063829787236
Cent (86/94) = 1097.872340425532
Cent (87/94) = 1110.6382978723404
Cent (88/94) = 1123.4042553191491
Cent (89/94) = 1136.1702127659573
Cent (90/94) = 1148.936170212766
Cent (91/94) = 1161.7021276595747
Cent (92/94) = 1174.468085106383
Cent (93/94) = 1187.2340425531916
Cent (94/94) = 1200

Number of semi-tones = 95

Cent (0/95) = 0
Cent (1/95) = 12.631578947368483
Cent (2/95) = 25.26315789473683
Cent (3/95) = 37.89473684210534
Cent (4/95) = 50.52631578947364
Cent (5/95) = 63.157894736841946
Cent (6/95) = 75.78947368421038
Cent (7/95) = 88.4210526315791
Cent (8/95) = 101.0526315789472
Cent (9/95) = 113.68421052631582
Cent (10/95) = 126.31578947368416
Cent (11/95) = 138.94736842105246
Cent (12/95) = 151.578947368421
Cent (13/95) = 164.21052631578956
Cent (14/95) = 176.84210526315778
Cent (15/95) = 189.47368421052613

Cent (16/95) = 202.10526315789463
Cent (17/95) = 214.73684210526307
Cent (18/95) = 227.3684210526315
Cent (19/95) = 240.00000000000001
Cent (20/95) = 252.63157894736835
Cent (21/95) = 265.26315789473676
Cent (22/95) = 277.8947368421052
Cent (23/95) = 290.52631578947364
Cent (24/95) = 303.1578947368421
Cent (25/95) = 315.7894736842107
Cent (26/95) = 328.42105263157913
Cent (27/95) = 341.0526315789472
Cent (28/95) = 353.68421052631595
Cent (29/95) = 366.3157894736843
Cent (30/95) = 378.9473684210526
Cent (31/95) = 391.57894736842104
Cent (32/95) = 404.2105263157895
Cent (33/95) = 416.8421052631577
Cent (34/95) = 429.4736842105263
Cent (35/95) = 442.1052631578949
Cent (36/95) = 454.736842105263
Cent (37/95) = 467.36842105263156
Cent (38/95) = 480
Cent (39/95) = 492.6315789473685
Cent (40/95) = 505.2631578947369
Cent (41/95) = 517.8947368421054
Cent (42/95) = 530.5263157894739
Cent (43/95) = 543.1578947368422
Cent (44/95) = 555.7894736842105
Cent (45/95) = 568.421052631579
Cent (46/95) = 581.0526315789473
Cent (47/95) = 593.6842105263158
Cent (48/95) = 606.3157894736843
Cent (49/95) = 618.9473684210528
Cent (50/95) = 631.5789473684207
Cent (51/95) = 644.2105263157894
Cent (52/95) = 656.842105263158
Cent (53/95) = 669.4736842105264
Cent (54/95) = 682.1052631578947
Cent (55/95) = 694.7368421052632
Cent (56/95) = 707.3684210526316
Cent (57/95) = 719.9999999999999
Cent (58/95) = 732.6315789473686
Cent (59/95) = 745.2631578947369
Cent (60/95) = 757.8947368421052
Cent (61/95) = 770.5263157894738
Cent (62/95) = 783.1578947368422
Cent (63/95) = 795.7894736842105
Cent (64/95) = 808.421052631579
Cent (65/95) = 821.0526315789474
Cent (66/95) = 833.6842105263158
Cent (67/95) = 846.3157894736842
Cent (68/95) = 858.9473684210526
Cent (69/95) = 871.5789473684212
Cent (70/95) = 884.2105263157895
Cent (71/95) = 896.8421052631579
Cent (72/95) = 909.4736842105266
Cent (73/95) = 922.1052631578947
Cent (74/95) = 934.7368421052632
Cent (75/95) = 947.3684210526316

Cent (76/95) = 960.00000000000001
Cent (77/95) = 972.6315789473683
Cent (78/95) = 985.2631578947368
Cent (79/95) = 997.8947368421053
Cent (80/95) = 1010.5263157894736
Cent (81/95) = 1023.1578947368422
Cent (82/95) = 1035.7894736842104
Cent (83/95) = 1048.421052631579
Cent (84/95) = 1061.0526315789475
Cent (85/95) = 1073.6842105263158
Cent (86/95) = 1086.3157894736844
Cent (87/95) = 1098.9473684210525
Cent (88/95) = 1111.578947368421
Cent (89/95) = 1124.2105263157896
Cent (90/95) = 1136.842105263158
Cent (91/95) = 1149.4736842105265
Cent (92/95) = 1162.1052631578948
Cent (93/95) = 1174.7368421052633
Cent (94/95) = 1187.3684210526317
Cent (95/95) = 1200

Number of semi-tones = 96

Cent (0/96) = 0
Cent (1/96) = 12.500000000000044
Cent (2/96) = 25.00000000000018
Cent (3/96) = 37.49999999999915
Cent (4/96) = 50.00000000000008
Cent (5/96) = 62.50000000000017
Cent (6/96) = 74.99999999999986
Cent (7/96) = 87.50000000000001
Cent (8/96) = 100.00000000000009
Cent (9/96) = 112.50000000000014
Cent (10/96) = 125.00000000000003
Cent (11/96) = 137.5
Cent (12/96) = 150.00000000000003
Cent (13/96) = 162.49999999999997
Cent (14/96) = 175.00000000000002
Cent (15/96) = 187.49999999999986
Cent (16/96) = 200.00000000000006
Cent (17/96) = 212.50000000000006
Cent (18/96) = 224.99999999999999
Cent (19/96) = 237.50000000000001
Cent (20/96) = 249.99999999999991
Cent (21/96) = 262.49999999999994
Cent (22/96) = 275.00000000000001
Cent (23/96) = 287.5
Cent (24/96) = 299.99999999999994
Cent (25/96) = 312.50000000000006
Cent (26/96) = 324.99999999999994
Cent (27/96) = 337.49999999999983
Cent (28/96) = 350.00000000000001
Cent (29/96) = 362.50000000000001
Cent (30/96) = 374.99999999999994
Cent (31/96) = 387.50000000000003
Cent (32/96) = 399.99999999999998
Cent (33/96) = 412.5
Cent (34/96) = 424.99999999999983
Cent (35/96) = 437.5
Cent (36/96) = 450.00000000000002
Cent (37/96) = 462.50000000000006

Cent (38/96) = 475.000000000000017
Cent (39/96) = 487.500000000000006
Cent (40/96) = 500.000000000000006
Cent (41/96) = 512.500000000000005
Cent (42/96) = 524.999999999999999
Cent (43/96) = 537.5
Cent (44/96) = 550
Cent (45/96) = 562.500000000000001
Cent (46/96) = 575.000000000000001
Cent (47/96) = 587.500000000000003
Cent (48/96) = 600.000000000000001
Cent (49/96) = 612.500000000000001
Cent (50/96) = 625
Cent (51/96) = 637.500000000000001
Cent (52/96) = 650
Cent (53/96) = 662.500000000000003
Cent (54/96) = 675.000000000000001
Cent (55/96) = 687.5
Cent (56/96) = 700.000000000000001
Cent (57/96) = 712.500000000000001
Cent (58/96) = 725.000000000000001
Cent (59/96) = 737.500000000000001
Cent (60/96) = 749.999999999999999
Cent (61/96) = 762.500000000000001
Cent (62/96) = 775.000000000000001
Cent (63/96) = 787.5
Cent (64/96) = 800.000000000000002
Cent (65/96) = 812.5
Cent (66/96) = 825
Cent (67/96) = 837.5
Cent (68/96) = 850.000000000000002
Cent (69/96) = 862.500000000000002
Cent (70/96) = 875
Cent (71/96) = 887.500000000000003
Cent (72/96) = 900
Cent (73/96) = 912.500000000000001
Cent (74/96) = 925
Cent (75/96) = 937.500000000000001
Cent (76/96) = 950
Cent (77/96) = 962.500000000000001
Cent (78/96) = 975
Cent (79/96) = 987.499999999999999
Cent (80/96) = 1000.000000000000001
Cent (81/96) = 1012.500000000000001
Cent (82/96) = 1025
Cent (83/96) = 1037.5
Cent (84/96) = 1050
Cent (85/96) = 1062.5
Cent (86/96) = 1075
Cent (87/96) = 1087.5
Cent (88/96) = 1099.999999999999998
Cent (89/96) = 1112.500000000000002
Cent (90/96) = 1125.000000000000002
Cent (91/96) = 1137.499999999999998
Cent (92/96) = 1150
Cent (93/96) = 1162.499999999999998
Cent (94/96) = 1175.000000000000002
Cent (95/96) = 1187.5
Cent (96/96) = 1200

Number of semi-tones = 97

Cent (0/97) = 0
Cent (1/97) = 12.371134020618722
Cent (2/97) = 24.742268041237075
Cent (3/97) = 37.11340206185581
Cent (4/97) = 49.484536082474285
Cent (5/97) = 61.85567010309266
Cent (6/97) = 74.22680412371152
Cent (7/97) = 86.59793814433003
Cent (8/97) = 98.96907216494846
Cent (9/97) = 111.34020618556718
Cent (10/97) = 123.71134020618554
Cent (11/97) = 136.08247422680398
Cent (12/97) = 148.45360824742266
Cent (13/97) = 160.8247422680414
Cent (14/97) = 173.19587628865983
Cent (15/97) = 185.56701030927826
Cent (16/97) = 197.93814432989677
Cent (17/97) = 210.30927835051537
Cent (18/97) = 222.68041237113408
Cent (19/97) = 235.05154639175274
Cent (20/97) = 247.42268041237122
Cent (21/97) = 259.79381443298985
Cent (22/97) = 272.16494845360836
Cent (23/97) = 284.53608247422693
Cent (24/97) = 296.90721649484544
Cent (25/97) = 309.2783505154639
Cent (26/97) = 321.6494845360826
Cent (27/97) = 334.0206185567011
Cent (28/97) = 346.3917525773196
Cent (29/97) = 358.762886597938
Cent (30/97) = 371.1340206185567
Cent (31/97) = 383.5051546391753
Cent (32/97) = 395.87628865979394
Cent (33/97) = 408.2474226804123
Cent (34/97) = 420.6185567010309
Cent (35/97) = 432.9896907216492
Cent (36/97) = 445.36082474226816
Cent (37/97) = 457.7319587628869
Cent (38/97) = 470.103092783505
Cent (39/97) = 482.4742268041239
Cent (40/97) = 494.8453608247421
Cent (41/97) = 507.2164948453607
Cent (42/97) = 519.5876288659795
Cent (43/97) = 531.9587628865983
Cent (44/97) = 544.3298969072166
Cent (45/97) = 556.7010309278351
Cent (46/97) = 569.0721649484532
Cent (47/97) = 581.4432989690722
Cent (48/97) = 593.8144329896908
Cent (49/97) = 606.1855670103092
Cent (50/97) = 618.5567010309278
Cent (51/97) = 630.9278350515466
Cent (52/97) = 643.2989690721653
Cent (53/97) = 655.6701030927834
Cent (54/97) = 668.0412371134022
Cent (55/97) = 680.4123711340206
Cent (56/97) = 692.7835051546391
Cent (57/97) = 705.1546391752578
Cent (58/97) = 717.5257731958764

Cent (59/97) = 729.8969072164948
Cent (60/97) = 742.2680412371133
Cent (61/97) = 754.6391752577322
Cent (62/97) = 767.0103092783503
Cent (63/97) = 779.3814432989692
Cent (64/97) = 791.7525773195877
Cent (65/97) = 804.1237113402061
Cent (66/97) = 816.4948453608246
Cent (67/97) = 828.8659793814434
Cent (68/97) = 841.2371134020618
Cent (69/97) = 853.6082474226804
Cent (70/97) = 865.9793814432991
Cent (71/97) = 878.3505154639175
Cent (72/97) = 890.7216494845363
Cent (73/97) = 903.0927835051546
Cent (74/97) = 915.4639175257731
Cent (75/97) = 927.8350515463918
Cent (76/97) = 940.2061855670104
Cent (77/97) = 952.5773195876288
Cent (78/97) = 964.9484536082475
Cent (79/97) = 977.3195876288661
Cent (80/97) = 989.6907216494843
Cent (81/97) = 1002.0618556701033
Cent (82/97) = 1014.4329896907216
Cent (83/97) = 1026.80412371134
Cent (84/97) = 1039.175257731959
Cent (85/97) = 1051.5463917525772
Cent (86/97) = 1063.9175257731958
Cent (87/97) = 1076.2886597938145
Cent (88/97) = 1088.659793814433
Cent (89/97) = 1101.0309278350517
Cent (90/97) = 1113.4020618556701
Cent (91/97) = 1125.7731958762888
Cent (92/97) = 1138.1443298969073
Cent (93/97) = 1150.5154639175257
Cent (94/97) = 1162.8865979381444
Cent (95/97) = 1175.2577319587629
Cent (96/97) = 1187.6288659793815
Cent (97/97) = 1200

Number of semi-tones = 98

Cent (0/98) = 0
Cent (1/98) = 12.244897959183781
Cent (2/98) = 24.489795918367385
Cent (3/98) = 36.734693877550924
Cent (4/98) = 48.979591836734805
Cent (5/98) = 61.22448979591825
Cent (6/98) = 73.46938775510222
Cent (7/98) = 85.71428571428575
Cent (8/98) = 97.95918367346923
Cent (9/98) = 110.2040816326531
Cent (10/98) = 122.44897959183677
Cent (11/98) = 134.69387755102034
Cent (12/98) = 146.93877551020395
Cent (13/98) = 159.1836734693879
Cent (14/98) = 171.4285714285713
Cent (15/98) = 183.67346938775512
Cent (16/98) = 195.91836734693874
Cent (17/98) = 208.1632653061223
Cent (18/98) = 220.4081632653062

Cent (19/98) = 232.65306122448965
Cent (20/98) = 244.89795918367344
Cent (21/98) = 257.14285714285705
Cent (22/98) = 269.3877551020407
Cent (23/98) = 281.63265306122446
Cent (24/98) = 293.87755102040825
Cent (25/98) = 306.1224489795918
Cent (26/98) = 318.3673469387757
Cent (27/98) = 330.61224489795904
Cent (28/98) = 342.8571428571428
Cent (29/98) = 355.1020408163269
Cent (30/98) = 367.34693877550984
Cent (31/98) = 379.59183673469386
Cent (32/98) = 391.83673469387764
Cent (33/98) = 404.0816326530609
Cent (34/98) = 416.32653061224494
Cent (35/98) = 428.57142857142856
Cent (36/98) = 440.81632653061206
Cent (37/98) = 453.0612244897958
Cent (38/98) = 465.30612244897964
Cent (39/98) = 477.5510204081635
Cent (40/98) = 489.79591836734727
Cent (41/98) = 502.0408163265307
Cent (42/98) = 514.2857142857143
Cent (43/98) = 526.530612244898
Cent (44/98) = 538.7755102040818
Cent (45/98) = 551.0204081632654
Cent (46/98) = 563.265306122449
Cent (47/98) = 575.5102040816324
Cent (48/98) = 587.7551020408166
Cent (49/98) = 600.0000000000001
Cent (50/98) = 612.2448979591837
Cent (51/98) = 624.4897959183675
Cent (52/98) = 636.7346938775514
Cent (53/98) = 648.9795918367348
Cent (54/98) = 661.2244897959183
Cent (55/98) = 673.4693877551022
Cent (56/98) = 685.7142857142858
Cent (57/98) = 697.9591836734695
Cent (58/98) = 710.204081632653
Cent (59/98) = 722.4489795918364
Cent (60/98) = 734.6938775510204
Cent (61/98) = 746.9387755102041
Cent (62/98) = 759.183673469388
Cent (63/98) = 771.4285714285717
Cent (64/98) = 783.6734693877552
Cent (65/98) = 795.9183673469389
Cent (66/98) = 808.1632653061225
Cent (67/98) = 820.4081632653061
Cent (68/98) = 832.6530612244898
Cent (69/98) = 844.8979591836735
Cent (70/98) = 857.1428571428572
Cent (71/98) = 869.3877551020408
Cent (72/98) = 881.6326530612245
Cent (73/98) = 893.8775510204083
Cent (74/98) = 906.1224489795916
Cent (75/98) = 918.3673469387753
Cent (76/98) = 930.612244897959
Cent (77/98) = 942.8571428571427
Cent (78/98) = 955.1020408163265

Cent (79/98) = 967.3469387755101
Cent (80/98) = 979.5918367346941
Cent (81/98) = 991.8367346938775
Cent (82/98) = 1004.0816326530611
Cent (83/98) = 1016.3265306122448
Cent (84/98) = 1028.5714285714284
Cent (85/98) = 1040.8163265306123
Cent (86/98) = 1053.061224489796
Cent (87/98) = 1065.3061224489795
Cent (88/98) = 1077.5510204081631
Cent (89/98) = 1089.7959183673474
Cent (90/98) = 1102.0408163265306
Cent (91/98) = 1114.285714285714
Cent (92/98) = 1126.530612244898
Cent (93/98) = 1138.7755102040817
Cent (94/98) = 1151.0204081632653
Cent (95/98) = 1163.265306122449
Cent (96/98) = 1175.5102040816325
Cent (97/98) = 1187.7551020408162
Cent (98/98) = 1200

Number of semi-tones = 99

Cent (0/99) = 0
Cent (1/99) = 12.121212121212208
Cent (2/99) = 24.24242424242435
Cent (3/99) = 36.36363636363645
Cent (4/99) = 48.484848484848484
Cent (5/99) = 60.60606060606064
Cent (6/99) = 72.72727272727263
Cent (7/99) = 84.84848484848496
Cent (8/99) = 96.96969696969707
Cent (9/99) = 109.09090909090908
Cent (10/99) = 121.21212121212129
Cent (11/99) = 133.33333333333326
Cent (12/99) = 145.45454545454564
Cent (13/99) = 157.57575757575768
Cent (14/99) = 169.69696969696972
Cent (15/99) = 181.81818181818196
Cent (16/99) = 193.93939393939385
Cent (17/99) = 206.06060606060606
Cent (18/99) = 218.18181818181827
Cent (19/99) = 230.30303030303028
Cent (20/99) = 242.42424242424252
Cent (21/99) = 254.5454545454546
Cent (22/99) = 266.66666666666669
Cent (23/99) = 278.7878787878792
Cent (24/99) = 290.9090909090909
Cent (25/99) = 303.03030303030306
Cent (26/99) = 315.1515151515151
Cent (27/99) = 327.27272727272714
Cent (28/99) = 339.3939393939395
Cent (29/99) = 351.5151515151517
Cent (30/99) = 363.63636363636374
Cent (31/99) = 375.7575757575758
Cent (32/99) = 387.87878787878805
Cent (33/99) = 399.9999999999998
Cent (34/99) = 412.12121212121167
Cent (35/99) = 424.2424242424243
Cent (36/99) = 436.3636363636363
Cent (37/99) = 448.4848484848485

Cent (38/99) = 460.60606060606057
Cent (39/99) = 472.7272727272727
Cent (40/99) = 484.8484848484849
Cent (41/99) = 496.9696969696968
Cent (42/99) = 509.090909090909
Cent (43/99) = 521.2121212121211
Cent (44/99) = 533.3333333333333
Cent (45/99) = 545.4545454545454
Cent (46/99) = 557.5757575757575
Cent (47/99) = 569.6969696969697
Cent (48/99) = 581.8181818181819
Cent (49/99) = 593.9393939393939
Cent (50/99) = 606.0606060606066
Cent (51/99) = 618.1818181818182
Cent (52/99) = 630.3030303030303
Cent (53/99) = 642.4242424242425
Cent (54/99) = 654.5454545454545
Cent (55/99) = 666.6666666666667
Cent (56/99) = 678.7878787878789
Cent (57/99) = 690.9090909090911
Cent (58/99) = 703.0303030303031
Cent (59/99) = 715.1515151515152
Cent (60/99) = 727.2727272727273
Cent (61/99) = 739.3939393939393
Cent (62/99) = 751.5151515151516
Cent (63/99) = 763.6363636363637
Cent (64/99) = 775.7575757575758
Cent (65/99) = 787.8787878787879
Cent (66/99) = 800.0000000000002
Cent (67/99) = 812.1212121212122
Cent (68/99) = 824.242424242424
Cent (69/99) = 836.3636363636365
Cent (70/99) = 848.4848484848485
Cent (71/99) = 860.6060606060606
Cent (72/99) = 872.7272727272729
Cent (73/99) = 884.8484848484848
Cent (74/99) = 896.9696969696971
Cent (75/99) = 909.0909090909091
Cent (76/99) = 921.2121212121212
Cent (77/99) = 933.3333333333334
Cent (78/99) = 945.4545454545456
Cent (79/99) = 957.5757575757577
Cent (80/99) = 969.6969696969697
Cent (81/99) = 981.8181818181819
Cent (82/99) = 993.93939393939394
Cent (83/99) = 1006.0606060606061
Cent (84/99) = 1018.1818181818184
Cent (85/99) = 1030.3030303030303
Cent (86/99) = 1042.4242424242427
Cent (87/99) = 1054.5454545454545
Cent (88/99) = 1066.6666666666665
Cent (89/99) = 1078.7878787878788
Cent (90/99) = 1090.9090909090908
Cent (91/99) = 1103.03030303030303
Cent (92/99) = 1115.15151515151515
Cent (93/99) = 1127.2727272727273
Cent (94/99) = 1139.3939393939395
Cent (95/99) = 1151.5151515151513
Cent (96/99) = 1163.6363636363637
Cent (97/99) = 1175.7575757575758

Cent (98/99) = 1187.8787878787878
Cent (99/99) = 1200

Number of semi-tones = 100

Cent (0/100) = 0
Cent (1/100) = 12.000000000000013
Cent (2/100) = 23.999999999999925
Cent (3/100) = 36.000000000000018
Cent (4/100) = 48.000000000000006
Cent (5/100) = 60.000000000000135
Cent (6/100) = 72.000000000000004
Cent (7/100) = 84.000000000000016
Cent (8/100) = 95.999999999999983
Cent (9/100) = 107.99999999999984
Cent (10/100) = 119.99999999999994
Cent (11/100) = 132.000000000000009
Cent (12/100) = 143.999999999999983
Cent (13/100) = 155.999999999999986
Cent (14/100) = 167.99999999999994
Cent (15/100) = 180.000000000000001
Cent (16/100) = 192.000000000000009
Cent (17/100) = 204.000000000000006
Cent (18/100) = 215.99999999999999
Cent (19/100) = 228
Cent (20/100) = 240.000000000000001
Cent (21/100) = 251.999999999999991
Cent (22/100) = 264
Cent (23/100) = 276.000000000000006
Cent (24/100) = 287.999999999999955
Cent (25/100) = 299.99999999999994
Cent (26/100) = 311.99999999999999
Cent (27/100) = 324.000000000000006
Cent (28/100) = 336.000000000000017
Cent (29/100) = 347.999999999999983
Cent (30/100) = 360.000000000000006
Cent (31/100) = 372.000000000000001
Cent (32/100) = 384
Cent (33/100) = 396.000000000000001
Cent (34/100) = 407.99999999999994
Cent (35/100) = 420.000000000000006
Cent (36/100) = 432.000000000000001
Cent (37/100) = 444.000000000000006
Cent (38/100) = 456
Cent (39/100) = 468.000000000000001
Cent (40/100) = 480
Cent (41/100) = 492.000000000000017
Cent (42/100) = 504
Cent (43/100) = 516
Cent (44/100) = 527.99999999999999
Cent (45/100) = 540.000000000000001
Cent (46/100) = 552.000000000000002
Cent (47/100) = 563.99999999999999
Cent (48/100) = 576.000000000000002
Cent (49/100) = 588.000000000000001
Cent (50/100) = 600.000000000000001
Cent (51/100) = 612.000000000000002
Cent (52/100) = 624
Cent (53/100) = 636.000000000000005
Cent (54/100) = 648.000000000000001
Cent (55/100) = 660

Cent (56/100) = 672
Cent (57/100) = 684.00000000000001
Cent (58/100) = 695.99999999999999
Cent (59/100) = 708
Cent (60/100) = 719.99999999999999
Cent (61/100) = 732
Cent (62/100) = 744.00000000000001
Cent (63/100) = 755.99999999999999
Cent (64/100) = 768.00000000000001
Cent (65/100) = 780.00000000000001
Cent (66/100) = 792.00000000000002
Cent (67/100) = 804.00000000000001
Cent (68/100) = 816.00000000000001
Cent (69/100) = 827.99999999999997
Cent (70/100) = 840
Cent (71/100) = 851.99999999999999
Cent (72/100) = 864
Cent (73/100) = 875.99999999999999
Cent (74/100) = 888.00000000000001
Cent (75/100) = 900
Cent (76/100) = 912
Cent (77/100) = 923.99999999999999
Cent (78/100) = 935.99999999999999
Cent (79/100) = 948.00000000000001
Cent (80/100) = 960.00000000000001
Cent (81/100) = 971.99999999999999
Cent (82/100) = 983.99999999999998
Cent (83/100) = 996.00000000000001
Cent (84/100) = 1008.00000000000001
Cent (85/100) = 1020
Cent (86/100) = 1032
Cent (87/100) = 1044
Cent (88/100) = 1056
Cent (89/100) = 1068.00000000000002
Cent (90/100) = 1079.99999999999998
Cent (91/100) = 1092
Cent (92/100) = 1104
Cent (93/100) = 1116.00000000000002
Cent (94/100) = 1128
Cent (95/100) = 1140.00000000000002
Cent (96/100) = 1152
Cent (97/100) = 1164
Cent (98/100) = 1176
Cent (99/100) = 1188.00000000000002
Cent (100/100) = 1200