

to kill a monarch

seed: 19800725

michael winter
(berlin, germany; 2021)

1.1

III 1/1 II 1/1 I

+0 +0 +0

1/1 1/1 1/1

$\text{♩} = 60$

I

II

III

*

+41 +16 +4 +0

13/8 6/5 9/8 1/1

-31 +2 -31 +0

III 7/4 3/2 7/4 1/1

⑤

+2 -31

3/2 7/4

1.2

+2

3/2

+4 -49 +2

11/8 9/8 3/2

+16 -49 -31 +41 +2 +4

6/5 11/8 7/4 13/8 3/2 9/8

⑨

-49 +0

11/8 1/1

+0 -49

1/1 11/8

-31 +16 +4 +2 +0

7/4 6/5 9/8 3/2 1/1

+0 -49

III 1/1 11/8 -1.

1.3

Measure 13: I (9/8), II (1/1), III (6/5), * (III 7/4)

Measure 14: I (3/2), II (7/4), III (13/8), * (11/8)

Measure 15: I (1/1), II (9/8, 13/8, 3/2, 7/4), III (13/8, 6/5, 11/8, 6/5), * (1/1)

Measure 16: I (1/1), II (1/1), III (9/8), * (1/1)

1.4

Measure 17: I, II (13/8), III, *

Measure 18: I, II (9/8), III, *

Measure 19: I, II, III (-49), * (11/8)

Measure 20: I, II, III, *

1.5

Measure 21: I (11/8), II (3/2), III (7/4), * (13/8)

Measure 22: I (6/5), II (11/8), III (9/8), * (3/2)

Measure 23: I (7/4), II (1/1), III (1/1), * (7/4)

Measure 24: I, II (11/8), III (11/8), * (11/8)

(25)

Staff I: +41, +2, +0, +4
Intervals: 13/8, 3/2, 1/1, 9/8

Staff II: +16, +2, -31, +0, +41, -31, +16, -49
Intervals: 6/5, 3/2, 7/4, 1/1, 13/8, 7/4, 6/5, 11/8

Staff III: -49, +0, -31
Intervals: 11/8, 1/1, 7/4

Staff *: -49, +41, +16
Intervals: 11/8, 13/8, 6/5

(29)

1.6

Staff I: +0, +16, +0, +2, +0, -49, -31, +0
Intervals: 1/1, 6/5, 1/1, 3/2, 1/1, 11/8, 7/4, 1/1

Staff II: (Whole notes)

Staff III: +41, +0
Intervals: 13/8, 1/1

Staff *: +4, +2
Intervals: 9/8, 3/2

(33)

1.7

Staff I: +4, +41, +41, -31, +16
Intervals: 13/8, 9/8, 13/8, 7/4, 6/5

Staff II: +41, +0
Intervals: 13/8, 1/1

Staff III: +2, +16
Intervals: 3/2, 6/5

Staff *: -49, -31, +0
Intervals: 11/8, 7/4, 1/1

37

Staff I: Treble clef, key signature of two flats. Measures 37-40. Time signatures: 3/2, 7/4, 1/1. Accidentals: +2, +0, -31.

Staff II: Bass clef, key signature of two flats. Measures 37-40. Time signatures: 9/8, 7/4. Accidentals: +4, -31.

Staff III: Bass clef, key signature of two flats. Measures 37-40. Time signatures: 3/2, 1/1, 11/8. Accidentals: +2, +0, -49.

Staff *: Treble clef, key signature of two flats. Measures 37-40. Time signatures: 9/8, 13/8. Accidentals: +4, +41.

41

1.8

Staff I: Treble clef, key signature of two flats. Measures 41-44. Time signatures: 3/2, 11/8, 3/2. Accidentals: +2, -49, +2.

Staff II: Bass clef, key signature of two flats. Measures 41-44. Time signatures: 7/4. Accidental: -31.

Staff III: Bass clef, key signature of two flats. Measures 41-44. Time signatures: 3/2, 11/8, 3/2. Accidentals: +2, -49, +2.

Staff *: Treble clef, key signature of two flats. Measures 41-44. Time signatures: 7/4, 9/8. Accidentals: -31, +4.

45

Staff I: Treble clef, key signature of two flats. Measures 45-48. Time signatures: 11/8, 6/5, 13/8, 1/1, 3/2, 7/4, 9/8, 3/2, 11/8. Accidentals: -49, +16, +41, +0, +2, -31, +4, +2, -49.

Staff II: Bass clef, key signature of two flats. Measures 45-48. Time signatures: 1/1, 13/8. Accidentals: +0, +41.

Staff III: Bass clef, key signature of two flats. Measures 45-48. Time signatures: 3/2, 13/8, 6/5. Accidentals: +2, +41, +16.

Staff *: Treble clef, key signature of two flats. Measures 45-48. Time signatures: 6/5, 11/8, 3/2, 6/5. Accidentals: +16, -49, +2, +16.

1.9

49

I

II

III

*

3/2

7/4 9/8 11/8 3/2 1/1 6/5 13/8 11/8

+2

-31 +4 -49 +2 +0 +16 +41 -49

+0

1/1

-31 +2 +0 +41 -49

III 7/4 3/2 1/1 13/8 11/8

1.10

53

I

II

III

*

6/5 13/8 1/1

1/1 7/4 3/2 9/8 6/5

11/8 9/8 7/4

9/8

+16 +41 +0

+0 -31 +2 +4

-49 +4 -31

+4

7/4 1/1 3/2 7/4

1/1 3/2

III 3/2

1.11

57

I

II

III

*

7/4 11/8 9/8

7/4 6/5 13/8 7/4 11/8 1/1 1/1 3/2 7/4

7/4 1/1

-31 -49 +4

-31 +16 +41 -31 -49 +0 +0 +2

-31 +16

+4 +0

61 1.12

Staff I: 7/4, 1/1

Staff II: +41, -49, +0, +16

Staff III: -31, +16, +2, +4, +0

Staff *: +16, +2, +0, -31

65 1.13

Staff I: 11/8, 3/2, 1/1, 9/8

Staff II: -31, +41, +0, +41, -31, +16

Staff III: +16, -31, -49, +41, +4

Staff *: -49, +4, +41

69

Staff I: 6/5, 13/8, 7/4, 11/8, 3/2, 6/5, 1/1

Staff II: +2, +4, +0, +2

Staff III: +2, +16

Staff *: +0

73 1.14

Interval numbers: +2, 3/2, +16, 6/5, -49, -31, +41, 11/8, 7/4, 13/8, 11/8.

77 1.15

Interval numbers: +0, +4, -31, -49, +0, +16, +2, -31, +2, +0, +16, 6/5, 3/2, 7/4, 11/8, 1/1, 13/8, 9/8, 7/4, 1/1, 3/2, 6/5, +2, 3/2, -31, +2, -49, +0, +41, +4, +0, 11/8, 3/2, 13/8, 9/8, 1/1, 7/4, 1/1.

81

Interval numbers: +41, +4, -31, -49, 9/8, 13/8, 7/4, 11/8, -31, 7/4, -49, +41, +0, -31, +16, +4, +2, +0, +4, 13/8, 11/8, 1/1, 13/8, 7/4, 9/8, 6/5, 3/2, 1/1, 9/8, -31, 11/8, -49, +2, 3/2.

The musical score consists of four staves labeled I, II, III, and *.
 Staff I: Treble clef, key signature of one flat. It contains two measures separated by a double bar line. The first measure has a whole note G4, and the second measure has a whole note A4.
 Staff II: Alto clef, key signature of one flat. It contains two measures separated by a double bar line. Both measures contain a whole note G4.
 Staff III: Bass clef, key signature of one flat. It contains two measures separated by a double bar line. The first measure has a half note F3, followed by a quarter rest. The second measure has a whole note G3.
 Staff *: Treble clef, key signature of one flat. It contains several measures with eighth notes and rests. Above the staff are pitch bends: -31, +41, -49, +0, and +2. Below the staff are time signatures: 7/4, 13/8, 11/8, 1/1, and 3/2.

89

I

II

III

*

1/1

9/8

+0

+4

+41

13/8

+0

+41

1/1

13/8

-31

+16

-49

+41

-31

III $7/4$

6/5 11/8

13/8

7/4

1.17

I

II

III

*

93

+2 +0 +41 +4 -49 -31 +16 +2

3/2 1/1 13/8 9/8 11/8 7/4 6/5 3/2

+16 -49

6/5 11/8

-31 +16

7/4 6/5 13/8 1/1

+4 +2

III 9/8 3/2

97 1.18

I $\frac{13}{8}$

II $\frac{1}{1}$ $\frac{3}{2}$ $\frac{9}{8}$

III

*

$\frac{13}{8}$ $\frac{1}{1}$ $\frac{9}{8}$

101 1.19

I $\frac{1}{1}$ $\frac{7}{4}$ $\frac{3}{2}$

II

III $\frac{3}{2}$ $\frac{11}{8}$ $\frac{9}{8}$ $\frac{13}{8}$ $\frac{7}{4}$ $\frac{1}{1}$

*

$\frac{6}{5}$ $\frac{9}{8}$ $\frac{1}{1}$ $\frac{7}{4}$ $\frac{11}{8}$

105

I $\frac{9}{8}$ $\frac{6}{5}$ $\frac{1}{1}$ $\frac{3}{2}$ $\frac{7}{4}$

II $\frac{7}{4}$ $\frac{13}{8}$

III $\frac{6}{5}$ $\frac{11}{8}$ $\frac{9}{8}$

*

$\frac{3}{2}$

109 1.20

II: -49 +2 -49 +16 +0 -31 +4
11/8 3/2 11/8 6/5 1/1 7/4 9/8

III: +2 -49
3/2 11/8

*: +16 -49 +0
6/5 11/8 III^{1/1}

113 1.21

I: +16 +2 -49 +41 +16 +2 +0 +41 +0 -31
6/5 3/2 11/8 13/8 6/5 3/2 1/1 13/8 9/8 1/1 7/4

II: +41
13/8

III: +41 +0
13/8 1/1

*: +4 +41 +16 +2 -31 -49
9/8 13/8 6/5 3/2 7/4 11/8

117 1.22

I: -49 +16
11/8 6/5

II: +0
1/1

III: -31 +16
7/4 6/5

*: +2 +0 +16 +2 +4
III^{3/2} 1/1 6/5 3/2 9/8

121

Staff I: +2, +0, -49, +16, +0, +2
3/2, 1/1, 6/5, 11/8, 1/1, 3/2

Staff II: +16, -31, +41, +2
6/5, 7/4, 13/8, 3/2

Staff III: +2, -49, +0, +4, -31, +0, +16
3/2, 11/8, 1/1, 9/8, 13/8, 7/4, 1/1, 6/5

Staff *: -31, +16, +41
III 7/4, 6/5, 13/8

125

1.23

Staff I: -31, +4, +0, +41, +16, +16
9/8, 7/4, 1/1, 6/5, 6/5, 13/8

Staff II: +4, +0, +41, -49
9/8, 1/1, 13/8, 11/8

Staff III: (Empty)

Staff *: -31, +2
7/4, III 3/2

129

1.24

Staff I: +4, -49, +0, +41, +2, -31
11/8, 9/8, 1/1, 13/8, 3/2, 7/4, 13/8

Staff II: +0, -31, +4, -49
1/1, 7/4, 9/8, 11/8

Staff III: +4, +41, +2, -49
9/8, 13/8, 3/2, 11/8

Staff *: +16, -31, +4
6/5, 7/4, 9/8

133

6/5 13/8 11/8 9/8 1/1

1/1 3/2 7/4 1/1

7/4 6/5 13/8 1/1 3/2 11/8 7/4

III 3/2 1/1 13/8 1/1 11/8 6/5

1.25

137

13/8 3/2

13/8

13/8 3/2 1/1 6/5

III 7/4

141

1.26

6/5 7/4 9/8 1/1 3/2

7/4 9/8

13/8 3/2 11/8 III 9/8

145

Staff I: Treble clef, key of B-flat major. Measures 145-148.

Staff II: Bass clef, key of B-flat major. Measures 145-148. Interval markings: +4, +16, +2.

Staff III: Bass clef, key of B-flat major. Measures 145-148. Interval markings: +0, +41, +2, +4, +16, +0, -49, +2, +41.

Staff *: Treble clef, key of B-flat major. Measures 145-148. Interval markings: +0, +4, +2, -31.

Measure 145: 1/1, 3/2, 13/8, 9/8, 6/5, 3/2, 1/1, 11/8, 13/8, 1/1, 9/8, 3/2, 7/4.

1.27

149

Staff I: Treble clef, key of B-flat major. Measures 149-152. Interval markings: -49, +41, +16.

Staff II: Bass clef, key of B-flat major. Measures 149-152. Interval markings: -49, +0, +2.

Staff III: Bass clef, key of B-flat major. Measures 149-152. Interval markings: +0.

Staff *: Treble clef, key of B-flat major. Measures 149-152. Interval markings: +0, +4, +16.

Measure 149: 11/8, 13/8, 6/5, 11/8, 1/1, 3/2, 1/1, 9/8, 6/5, 11/8, 1/1, 3/2, 1/1.

1.28

153

Staff I: Treble clef, key of B-flat major. Measures 153-156. Interval markings: +16, +2, +41.

Staff II: Bass clef, key of B-flat major. Measures 153-156. Interval markings: -31, +2, +41.

Staff III: Bass clef, key of B-flat major. Measures 153-156. Interval markings: +2, +4, +0, -31.

Staff *: Treble clef, key of B-flat major. Measures 153-156. Interval markings: -49, +41, +0, -31, +0.

Measure 153: 7/4, 6/5, 3/2, 13/8, 3/2, 9/8, 1/1, 7/4, 11/8, 13/8, 1/1, 7/4, 1/1.

157

1.29

Staff I: +41 -49 +16 +41 -31 +2 -49 +0 -49 +4 +2

Staff II: +4 +0 +2 -31 +16

Staff III: +16 -49 +0

Staff *: +16 +4 +4

Intervals: 1/1 9/8 6/5 13/8 7/4 3/2 11/8 1/1 11/8 9/8 3/2

Intervals: 9/8 1/1 3/2 7/4 6/5 1/1

Intervals: 6/5 11/8 1/1

Intervals: 9/8 6/5 III 9/8

161

Staff I: +41 +2 +4 -49 +0

Staff II: +41 +2 +4 -49 +0

Staff III: +41 +4

Staff *: +2 +41 -49 +16 +0

Intervals: 13/8 9/8 3/2 11/8 1/1

Intervals: 13/8 9/8

Intervals: 3/2 11/8 13/8 6/5 1/1

1.30

165

Staff I: +16

Staff II: +16

Staff III: +16

Staff *: -31 +2 +4

Intervals: 6/5

Intervals: 6/5

Intervals: III 7/4 3/2 9/8

169 1.31

Staff I: -31 +16 (7/4 6/5)

Staff II: -31 +41 +4 (7/4 13/8 9/8)

Staff III: +2 -31 +0 +41 -49 +16 (3/2 1/1 13/8 11/8 6/5)

Staff *: -31 -49 +2 +16 +4 +0 (7/4 11/8 3/2 6/5 9/8 1/1)

173

Staff I: +0 -31 (1/1 7/4)

Staff II: +0 -49 +2 +41 -31 +16 +2 +16 (1/1 11/8 3/2 13/8 7/4 6/5 3/2 6/5)

Staff III: +0 +2 -49 +0 +41 +4 -49 +0 +2 +0 (1/1 3/2 11/8 7/4 1/1 13/8 9/8 11/8 1/1 3/2 1/1)

Staff *: -31 -49 +4 +41 +2 (III 11/8 7/4 9/8 13/8 3/2)

177 1.32

Staff I: -49 +16 +41 +0 +16 (11/8 6/5 13/8 1/1 6/5)

Staff II: +41 +4 +0 +2 +41 -49 +0 (13/8 9/8 1/1 13/8 11/8 1/1)

Staff III: -31 +16 +41 (7/4 6/5 13/8)

Staff *: +4 -31 +0 +2 +16 -31 +41 +2 +16 (III 9/8 7/4 1/1 9/8 3/2 6/5 7/4 13/8 3/2 6/5)

1.33

181

II: +16, 6/5, +2, +4, -31, -49, +4, +16, 3/2, 9/8, 7/4, 11/8, 9/8, 6/5

III: -49, +4, +0, 11/8, 9/8, 1/1

*: +0, -49, +4, +41, +16, III^{1/1}, 11/8, 9/8, 13/8, 6/5

1.34

185

I: +0, +2, -49, +41, +2, 1/1, 3/2, 13/8, 3/2, 11/8, +0, 1/1, +16, 6/5

II: -31, +4, +0, 7/4, 9/8, 1/1

III: -49, 11/8

*: -49, III^{11/8}

1.35

189

I: +0, 1/1

II: +2, +41, -49, +4, 3/2, 13/8, 11/8, 9/8

III: -31, 7/4

*: +0, -31, +16, +2, 1/1, 7/4, 6/5, 3/2

193 1.36

I $\frac{7}{4}$ $\frac{6}{5}$ $\frac{11}{8}$ $\frac{1}{1}$ $\frac{9}{8}$ $\frac{3}{2}$ $\frac{6}{5}$ $\frac{11}{8}$ $\frac{1}{1}$ $\frac{13}{8}$ $\frac{3}{2}$ $\frac{1}{1}$

II $\frac{13}{8}$ $\frac{3}{2}$ $\frac{7}{4}$ $\frac{1}{1}$ $\frac{6}{5}$

III $\frac{3}{2}$ $\frac{6}{5}$ $\frac{11}{8}$ $\frac{7}{4}$ $\frac{9}{8}$ $\frac{3}{2}$ $\frac{1}{1}$ $\frac{6}{5}$ $\frac{9}{8}$ $\frac{6}{5}$ $\frac{13}{8}$ $\frac{3}{2}$

* $\frac{9}{8}$ $\frac{6}{5}$ $\frac{1}{1}$

197

I $\frac{7}{4}$ $\frac{9}{8}$ $\frac{11}{8}$ $\frac{1}{1}$ $\frac{13}{8}$ $\frac{3}{2}$ $\frac{6}{5}$

II $\frac{3}{2}$ $\frac{11}{8}$

III $\frac{7}{4}$ $\frac{6}{5}$ $\frac{1}{1}$ $\frac{9}{8}$

* $\text{III}^{\frac{3}{2}}$

201 1.37

I $\frac{7}{4}$ $\frac{6}{5}$ $\frac{1}{1}$ $\frac{9}{8}$ $\frac{11}{8}$

II $\frac{7}{4}$ $\frac{3}{2}$ $\frac{1}{1}$ $\frac{9}{8}$

III $\frac{11}{8}$ $\frac{1}{1}$

* $\text{III}^{\frac{1}{1}}$

205 1.38

I $\frac{3}{2}$ $\frac{9}{8}$ $\frac{1}{1}$ $\frac{7}{4}$ $\frac{1}{1}$

II $\frac{7}{4}$ $\frac{6}{5}$ $\frac{13}{8}$ $\frac{3}{2}$ $\frac{7}{4}$ $\frac{11}{8}$ $\frac{3}{2}$

III $\frac{7}{4}$ $\frac{3}{2}$ $\frac{11}{8}$ $\frac{1}{1}$ $\frac{3}{2}$ $\frac{6}{5}$

* $\frac{13}{8}$ $\frac{3}{2}$ $\frac{11}{8}$ $\frac{9}{8}$ $\frac{1}{1}$

209

I $\frac{6}{5}$ $\frac{13}{8}$ $\frac{11}{8}$ $\frac{3}{2}$ $\frac{1}{1}$ $\frac{9}{8}$

II $\frac{1}{1}$ $\frac{11}{8}$ $\frac{6}{5}$

III $\frac{13}{8}$ $\frac{1}{1}$ $\frac{11}{8}$ $\frac{9}{8}$ $\frac{6}{5}$

* $\text{III}^{\frac{6}{5}}$ $\frac{7}{4}$

213 1.39

III $\frac{3}{2}$

* $\frac{3}{2}$ $\frac{1}{1}$ $\text{III}^{\frac{3}{2}}$

217 1.40

217 1.40

I

II

III

*

218

219

220

221

221

I

II

III

*

222

223

224

225 1.41

225 1.41

I

II

III

*

226

227

228

229 1.42

Staff I: -31, +0, +4, -31, 7/4, 1/1, 9/8, 13/8, 7/4

Staff II: +41, +16, +0, 13/8, 6/5, 1/1

Staff III: -31, +2, 7/4, 3/2

Staff *: +41, +4, +0, -31, +4, +0, +4, -49, +2, III 7/4, 9/8, 1/1, 7/4, 9/8, 1/1, 9/8, 11/8, 3/2, 13/8

233 1.43

Staff I: +2, +16, 3/2, 6/5

Staff II: +16, -31, 6/5, 7/4

Staff III: +16, -49, 6/5, 11/8

Staff *: +0, +41, +16, +41, +2, III 1/1, 13/8, 6/5, 13/8, 3/2

237

Staff I: +0, +41, +4, 1/1, 13/8, 9/8

Staff II: +2, +4, 3/2, 9/8

Staff III: +2, +0, +41, -31, +16, -49, +0, +4, +16, 3/2, 1/1, 13/8, 7/4, 6/5, 11/8, 1/1, 9/8, 6/5

Staff *: +0, -31, -49, +0, III 1/1, 7/4, 11/8, 1/1

2.1

III 9/8 II 4/3 I
+0 +4 +0 +0 +2

9/8 1/1 3/2

(241)

I

II

III

*

7/4 11/8 3/2 1/1 9/8 3/2 1/1

-29 -47 +4 +2 +6 +4 +2

13/8

-27 -45 +44

7/4 11/8 13/8

+0 +4 +8

II^{1/1} I^{3/2} III^{9/8}

2.2

III 4/3 II 9/8 I
+4 +0 +2 +2 +0

1/1 3/2 3/2

(245)

I

II

III

*

6/5 13/8 3/2

+18 +42 +4

7/4 6/5 13/8

-31 +16

+4 +8 +6 -27

1/1 9/8 3/2 7/4

-49

II^{11/8} I^{13/8}

2.3

III 3/2 II 4/3 I
+4 +2 +2 +0 +0 +4

4/3 3/2 9/8

(249)

I

II

III

*

1/1 3/2 11/8 7/4 1/1

+2 -49 -31 +4 +0

3/2

+6

3/2

+2

1/1

+6 +0 +4 +8 -49

II^{9/8} I^{1/1} II^{3/2} III^{9/8} II^{11/8}

-21-

2.4

III $\frac{3}{2}$ II $\frac{1}{1}$ I

+2 +0 +4 +2

1/1 1/1 4/3

(253)

I $\frac{13}{8}$ $\frac{9}{8}$

II -49 +0 -31 +0 +4 -49 +2

$\frac{11}{8}$ $\frac{1}{1}$ $\frac{7}{4}$ $\frac{1}{1}$ $\frac{9}{8}$ $\frac{11}{8}$ $\frac{3}{2}$

III +18 +6 +42

$\frac{6}{5}$ $\frac{9}{8}$ $\frac{13}{8}$

* +6

III $\frac{9}{8}$

(257)

I -47 +4

$\frac{11}{8}$ $\frac{3}{2}$

II +16 +2

$\frac{6}{5}$ $\frac{3}{2}$

III -29 +4 +2

$\frac{7}{4}$ $\frac{3}{2}$ $\frac{1}{1}$

* +18 -47

III $\frac{6}{5}$ $\frac{11}{8}$

2.5

III $\frac{12}{11}$ II $\frac{11}{8}$ I

+2 +0 +2 -49

$\frac{3}{2}$ $\frac{3}{2}$ $\frac{12}{11}$

(261)

I -49 -33 -45 -49

$\frac{1}{1}$ $\frac{6}{5}$ $\frac{9}{8}$ $\frac{1}{1}$

II

III

* -47 +4 -29 +6

$\frac{11}{8}$ $\frac{3}{2}$ $\frac{7}{4}$ II $\frac{9}{8}$

265

2.6

III 1/1 II 1/1 I

+0 -49 +2 -49 -49

11/8 12/11 1/1

I

-8 -49 -45

3/2 6/5 9/8

13/8 1/1

II

-29 +42 +18

7/4 13/8 6/5

III

-49 +2

11/8 3/2

*

+18 +3

6/5 11/8

269

I

-33 +20 -49 -47 -49 +3 -47

7/4 1/1 3/2 1/1 11/8 3/2

6/5 11/8

II

-49 -45 -33 +3 -49 -8 +3 -49 -47

1/1 9/8 6/5 11/8 1/1 11/8 1/1 3/2

13/8

III

-49 -33 -45 -47 +20 -33 -47 +20 -49 +3

1/1 6/5 9/8 1/1 3/2 7/4 6/5 3/2 7/4 1/1 11/8

*

-45 -49

III 9/8 1/1

273

I

-33 -49

6/5 1/1

II

-33 +20 +3 -8 -45 -49

6/5 7/4 11/8 13/8 9/8 1/1

III

+20 -45

7/4 9/8

*

-8 -33 -47 +3 -8 -45 +20 -47

6/5 13/8 3/2 11/8 9/8 7/4 3/2

-23-

3.1

III 13/12 II 4/3 I

-49 -49 -8 -49 -47

1/1 16/13 4/3

(277)

I

+22 -47 -43 -45 -47 +5

7/4 1/1 9/8 3/2 1/1 11/8

II

+43

11/8

III

-33 -47

6/5 3/2

*

3.2

III 13/12 II 1/1 I

-49 -47 -8 -47

4/3 1/1 1/1

(281)

I

-6

13/8

II

-8

1/1

III

-8 +20

13/8 7/4

*

-8 +20 +40 +5

III 13/8 7/4 I 5/4 11/8

(285)

I

-47 +40 +5 -47 +22 -45

1/1 5/4 11/8 1/1 7/4 3/2

II

-6 -8 -39

3/2 1/1 7/4

III

-47 +22

1/1 7/4

*

-6 +32 +40 +40 +5 -45

III 13/8 II 13/8 III 5/4 5/4 11/8 3/2

-24-

3.3

III 13/12 II 13/12 I

-47 -8 -47 -47 -8

1/1 13/12 13/12

(289)

I

+5

11/8

II

-6 -47 -43 +5 -47 -43 -45 +22

1/1 9/8 11/8 1/1 9/8 3/2 7/4

III

+5

11/8

*

-6 +22 +32 -4

III 13/8 7/4 I 13/8 9/8

3.4

III 13/12 II 1/1 I

-47 -47 -8 -8 -47

1/1 13/12 13/12

(293)

I

-4 +32 -4 -22 -8

9/8 13/8 3/2 5/4 1/1

II

III

-6 +40 -43 -45

13/8 5/4 9/8 3/2

*

+5 -45 -6

III 11/8 3/2 III 13/8

(297)

I

-45

3/2

II

-8 -22 +32 -39 -8

1/1 13/8 5/4 7/4 1/1

III

+22 -47

7/4 1/1

*

+22 +32 +40 +40

7/4 II 13/8 III 5/4 5/4

3.5

III 13/12 1/1 II 13/12 I

-47 -8 -47 -47 -8

13/12 13/12

301

I

13/8 3/2 9/8 1/1 7/4 11/8 13/8 5/4

II

3/2 5/4 3/2

III

7/4 1/1

*

15/4 III 11/8 3/2

+32 -22 -6 -4 -8 -39 +43 +32 -22

+40 -45 -45

+22 -47

-22 +5 -45

3.6

III 13/12 1/1 II 13/12 I

-47 -8 -47 -8 -47

13/12 1/1 13/12

305

I

II

III

5/4

*

13/8 I 13/8 III 5/4 I 5/4

+40 -6 +32 +40 -22

309

I

1/1 13/8 9/8 3/2 1/1 5/4 1/1 11/8

II

11/8 9/8 3/2 11/8 13/8 7/4 3/2

III

13/8 3/2

*

II 11/8 3/2

-47 -6 -45 -43 -47 +40 -47 +5

+5 -43 -45 +5 -6 +22 -45

+32 -6

+5 -45

3.7

III 1/1 II 1/1 I

-8 -47 -47 -47

13/12 1/1 1/1

313

I

II

III

*

+40 -47 -43 -6 +22 -43 +5 -45

1/1 9/8 13/8 7/4 11/8 3/2

5/4

III 9/8

317

I

II

III

*

+22 -43 -6 +40 -47 -45 +22

7/4 9/8 13/8 5/4 1/1 3/2 7/4

-47 1/1 +40 5/4 +22 7/4

-43 +22 +40 -47 -43 -6 +5

9/8 7/4 5/4 1/1 9/8 13/8 11/8

+5 +22 -47 +40 -47 -6 -45 +22 -6 -47

11/8 7/4 1/1 5/4 13/8 1/1 13/8 7/4 13/8 3/2 1/1

4.1

III 5/4 II 1/1 I

-47 -47 +40 -47

1/1 5/4 1/1

321

I

II

III

*

+40 -47 +40

5/4 1/1 5/4

+22 7/4

+5 11/8

4.2

III 13/10 II 5/4 I

-47 +40 +40 -6 -47

5/4 13/10 1/1

325

I 11/8 +5

II +40 -20 1/1 13/8

III -6 +5 13/8 11/8

* -6 +22 +8 7/4 II 7/4 +8 7/4

III 13/8

329

I +22 -47 -43 7/4 1/1 9/8

II -4 +9 3/2 6/5 +45 11/8

III +42 +26 +40 -20 +43 +42 +8 +8 5/4 3/2 1/1 13/8 9/8 7/4 3/2 7/4

* +5 -45 +26 -6 +22 +9 11/8 3/2 III 5/4 13/8 7/4 II 6/5

4.3

III 5/4 II 13/10 I

+40 -6 -47 -47 -6

1/1 13/8 13/8

333

I -4 3/2

II -43 -47 9/8 1/1

III

* +8 III 7/4

337

Staff I: 9/8, 13/8, 6/5

Staff II: 3/2, 7/4, 1/1

Staff III: 5/4, 1/1, 7/4

Staff *: 1 3/2, 13/8

4.4

Staff I: 13/8, 5/4, 13/10

Staff II: 11/8, 7/4, 1/1, 13/8, 3/2, 1/1

Staff III: 13/8, 3/2, 7/4

Staff *: II 7/4, III 7/4

4.5

Staff I: 13/8, 1/1, 13/10

Staff II: 7/4

Staff III: 1/1

Staff *: III 11/8, 3/2, 1/1, 3/2, 6/5, 9/8, 13/8, 7/4, 6/5

349

I

II

III

*

5.1

III 8/7 II 16/11 I

-6 -37 -6 +45

1/1 8/7 16/11

353

I

II

III

*

III^{6/5}

357

I

II

III

*

III^{6/5}

5.2

III 8/7 II 14/11 I

-6 -37 -37 -6 +45

8/7 8/7 1/1

(361)

I

11/8 5/4 9/8

-4 +31

II

9/8 7/4 11/8

-2 -37 +45

III

7/4 3/2 1/1 13/8 11/8 6/5 7/4 1/1

-37 +3 -33 +22 +31 -37

*

11/8 9/8

-4 -2

5.3

III 8/7 II 8/7 I

-37 -6 -6 -37 +45 -37

8/7 8/7 14/11

(365)

I

1/1

II

1/1 6/5

-37 -22

III

9/8

-2

*

3/2 13/8 7/4

-35 +3 +31

(369)

I

6/5 13/8 7/4 11/8 3/2 1/1 7/4 11/8 13/8

-22 +3 +31 -35 -37 +31 +14

II

III

7/4 3/2 7/4 9/8 3/2

-37 -4 -37 -2 -4

*

9/8 9/8

-33 -2

5.4

III 1/1 II 1/1 I

-6 -37 -37 -37

8/7 1/1 1/1

(373)

I

II

III

*

-35 -33 +14 +3 -37 -22 +14 -33

3/2 9/8 7/4 11/8 13/8 1/1 6/5 11/8 9/8

+3 -37 -33 -22 -37

13/8 1/1 9/8 6/5 1/1

-35 -37 +31 +31 -33

III 3/2 1/1 7/4 7/4 13/8 9/8

(377)

I

II

III

*

-33 +31 -37 -22 +14 -33 +3 -37 -22 -35

9/8 7/4 1/1 6/5 9/8 11/8 13/8 1/1 3/2 6/5

-35 +3

3/2 13/8

+31

7/4

-37 +3 -22 -35 +14 -33 +31

1/1 13/8 6/5 11/8 9/8 7/4 13/8

6.1

III 4/3 II 4/3 I

-37 -35 -37 -37

4/3 1/1 1/1

(381)

I

II

III

*

-37 +14

1/1 11/8

-22

6/5

+16

11/8

6.2

III 8/5 II 6/5 I

-35 -22 -37 -35

8/5 4/3 1/1

385

I

-22 -35 +14 -37 -35

6/5 3/2 11/8 1/1 9/8 3/2

II

-35 -37 -33 +14 +3 -35

3/2 1/1 9/8 11/8 13/8 1/1 3/2

III

-49 -33 -35

5/4 3/2 1/1

*

+14 +14

II^{11/8} 11/8

389

I

-33 -22

9/8 6/5

II

+33

7/4

III

+47 -35 -20

7/4 5/4 3/2

*

+3 -32 +47 -33 -22 +14

I^{13/8} II^{9/8} III^{7/4} I^{9/8} 6/5 11/8

6.3

III 6/5 II 8/5 I

-22 -35 -37 -37 -35

1/1 4/3 4/3

393

I

-35

1/1

II

-22 -37 -35 +14 +3 -22 +31

1/1 3/2 11/8 13/8 6/5 7/4

III

-22 +30 -35 +19

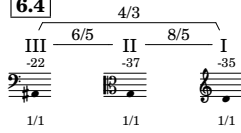
1/1 11/8 5/4 13/8

*

+3 -32

13/8 I^{9/8}

6.4



997

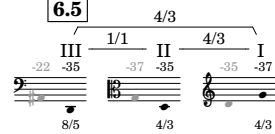
I: +5 -35 13/8 1/1

II: -33 -37 -35 1/1 9/8 3/2 7/4

III: -18 -22 -30 -35 7/4 9/8 1/1 5/4

*: +47 -33 III 7/4 II 9/8

6.5



401

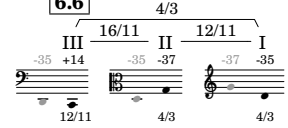
I: +33 +16 -35 -32 +5 7/4 11/8 1/1 9/8 13/8

II: +14 +3 -33 11/8 13/8 9/8

III: -18 9/8

*: +5 +14 +14 +30 -49 I 13/8 II 11/8 III 11/8 III 5/4

6.6



405

I: -37 -33 +14 +31 -35 -22 +14 -35 -37 1/1 9/8 11/8 7/4 3/2 13/8 6/5 11/8 3/2 1/1

II: -49 +16 +5 -33 5/4 11/8 13/8 3/2

III: -33 -32 +5 +16 -35 -33 -35 -49 3/2 9/8 13/8 11/8 7/4 5/4 1/1

*: +16 -33 11/8 3/2

409

III 12/11 1/1 II 12/11 I

+14 -35 -37 +14 -35 +14

12/11 16/11 12/11

I

+5 +16 +33 -49 +33 -35 +16

13/8 11/8 7/4 5/4 7/4 1/1 11/8

II

-22

6/5

III

-17 +16 +14

7/4 3/2 1/1

*

+33 -17 +14 +0 -49

III 7/4 I 7/4 III 5/4 I 5/4

II 11/8

413

I

+16 +0 +18 +14 +16

5/4 9/8 13/8 3/2 1/1

II

+0 -46 +14 +18

13/8 5/4 1/1 9/8

III

-32 +33 +16 +5 +33 -32 -49 +16 -32

9/8 11/8 13/8 7/4 9/8 5/4 9/8 11/8

*

-35 -46 -17 +33 +18 +18 +0

II 11/8 13/8 7/4 III 7/4 II 9/8 9/8 5/4

417

III 1/1 1/1 I

-35 +14 +14 +14

12/11 1/1 1/1

I

-17

7/4

II

-46 +16 +0 -35

13/8 1/1 7/4 11/8

3/2 5/4

III

-35 +16 -17 -35 +18 +14 -46

11/8 III 3/2 7/4 11/8 9/8 1/1 13/8

-35-

421

I

-35 +0 -46 -17 +18 +16 -17 +14

11/8 5/4 13/8 7/4 9/8 3/2 7/4 1/1

II

+16 +18 +14 -35 +0 +14 +18

1/1 11/8 5/4 1/1 9/8

3/2 9/8

III

+14 +18 -17 +16 +14 -35

1/1 9/8 7/4 3/2 1/1 11/8

*

-35

11/8

7.1

III 3/2 II 1/1 I

+14 +14 +16 +14

1/1 3/2 1/1

425

I

-35 +16

11/8 3/2

II

-33 +16 -15 +2

11/8 1/1 13/8 5/4 7/4

III

-46 +16 +0 +18 +0

13/8 3/2 5/4 9/8 1/1 5/4

*

-46 -17

III 13/8 7/4

7.2

III 13/8 II 3/2 I

+14 +16 -46 +14 +16

1/1 13/12 3/2

429

I

+2

5/4

II

III

-17

7/4

*

-33 +6

II 11/8 II 11/8

433

7.3

III 13/12 II 3/2 I

+14 +16 -46 +16 +14

3/2 1/1 3/2

III 5/4 11/8

13/8 11/8

437

7.4

III 3/2 II 12/11 I

+16 -46 +14 +14 -35

1/1 13/8 11/8

III 5/4

13/8 11/8

441

7.4

III 3/2 II 12/11 I

+16 -46 +14 +14 -35

1/1 13/8 11/8

III 5/4

13/8 11/8

445

-35

1/1

+16 +14 +18 +14 +16 +14 -35 +18 -35

1/1 3/2 9/8 1/1 11/8 3/2 1/1 9/8 11/8

+18 +2

3/2 5/4

-33

III 11/8

7.5

12/11

III 1/1 II 12/11 I

+16 -35 +14 -35 -35 +16

12/11 11/8 12/11

449

+34

7/4

-33 +2 +20

5/4 11/8 9/8

+6

13/8

-35 +34 -31

1/1 7/4 9/8

-33

11/8

7.6

1/1

III 1/1 II 1/1 I

-35 -35 +16 -35

1/1 1/1 12/11

453

+18 +16

3/2 1/1

-48 -31 +17 +34 -35 -33 -31

5/4 9/8 11/8 1/1 3/2 9/8

-44 -15 -31 -48

I 13/8 7/4 III 9/8 5/4

457

7/4 11/8 3/2 13/8 5/4 1/1 9/8

5/4 11/8 3/2 7/4 1/1 3/2

11/8 3/2 7/4 5/4

III 9/8 3/2 1/1 11/8 1/1 7/4 3/2 13/8

8.1 16/13 11/8 22/13 1/1 16/13

461

11/8

1/1 13/8 1/1 9/8 7/4 11/8

1/1 9/8 5/4 3/2

465

3/2 1/1 7/4 9/8 3/2

13/8 11/8 7/4 9/8 3/2 1/1 5/4 13/8 3/2 7/4

1/1

13/8 11/8 3/2

8.2

22/13

III 16/13 II 11/8 I

+17 -35 -35 +6 +6 +17

11/8 16/13 22/13

469

I

-43

11/8

13/8 7/4 1/1

-33

-31

9/8 3/2 9/8

II

III

* +34

7/4

473

I

+19

3/2

+6 -43 +6 -43 +8

1/1 11/8 1/1 11/8 3/2

-33

+6

-48 -33

3/2 13/8 5/4 3/2

II

III

* +19

1 3/2

-43

II 11/8

8.3

16/13

1/1 16/13 I

-35 +6 +6 +17 -35

16/13 1/1 11/8

477

I

+6 -33 +6

13/8 3/2 13/8

+46

+6 -25

13/8 1/1 7/4

+6

1/1

+46

-25

III 13/8 7/4

III 13/8

8.4

III $\frac{1}{1}$ II $\frac{1}{1}$ I

+6 +6 -35 +6

1/1 1/1 16/13

(481)

I $\frac{1}{1}$ $\frac{11}{8}$

II

III $\frac{6}{5}$ $\frac{9}{8}$ $\frac{13}{8}$ $\frac{11}{8}$ $\frac{1}{1}$

*

III $\frac{1}{1}$

(485)

I $\frac{11}{8}$ $\frac{9}{8}$

II $\frac{6}{5}$ $\frac{11}{8}$ $\frac{1}{1}$ $\frac{3}{2}$ $\frac{7}{4}$ $\frac{1}{1}$

III $\frac{3}{2}$ $\frac{9}{8}$ $\frac{11}{8}$ $\frac{7}{4}$ $\frac{6}{5}$ $\frac{1}{1}$ $\frac{13}{8}$ $\frac{3}{2}$

*

$\frac{11}{8}$ $\frac{7}{4}$ $\frac{3}{2}$ $\frac{6}{5}$

9.1

III $\frac{3}{2}$ II $\frac{1}{1}$ I

+6 +6 +8 +6

1/1 3/2 1/1

(489)

I $\frac{13}{8}$ $\frac{1}{1}$

II $\frac{6}{5}$ $\frac{11}{8}$ $\frac{7}{4}$ $\frac{1}{1}$ $\frac{9}{8}$ $\frac{6}{5}$ $\frac{13}{8}$

III

*

$\frac{13}{8}$ $\frac{9}{8}$

[illegible]

9.2

9/8

III 4/3 II 3/2 I

+6 +8 +8 +10 +6

3/2 4/3 1/1

497

I

+21 -43 -25 +46

6/5 11/8 7/4 13/8

II

+48

13/8

+12 -4

3/2 5/4

III

-23 +10 -41

7/4 3/2 11/8

*

-23 +8

II 7/4 III 3/2

+46 -39 +12

II 11/8 I 13/8 III 9/8

9.2

501

I

II

III

*

9.3

III 4/3 II 9/8 I

+8 +10 +10 +8 +6

4/3 4/3 1/1

+6

1/1

+12 +48 +23

13/8 9/8 6/5

-21 +21 +14 -4

II 7/4 I 6/5 III 9/8 5/4

505

9.4

III 1/1 II 1/1 I

+10 +8 +10 +6 +10

1/1 4/3 9/8

I

-25 +8 -43

7/4 3/2 11/8

II

-23 +23 +12 -41 +8 +12

6/5 7/4 9/8 11/8 1/1 9/8

III

+10 +12 -21

1/1 3/2 7/4

*

-39 +46

11/8 13/8

509

I

+10 -4 +12 +10 -21 +14 +10 -39

1/1 5/4 7/4 1/1 8/5 7/4 9/8 1/1 11/8

II

-39 +10 +12 +14

11/8 1/1 3/2 9/8

III

-4 -39 +10 +23 +10 +12 -21 +14 -4 -39

5/4 11/8 1/1 8/5 1/1 3/2 7/4 9/8 5/4 11/8

*

-4 -21 +12 -4 -39 +10 -21 +14 +10 +23 -21 +14

III 5/4 7/4 3/2 5/4 11/8 1/1 7/4 9/8 1/1 8/5 7/4 9/8 3/2

513

10.1

III 3/2 II 11/8 I

+10 +10 +12 +10 -39

1/1 3/2 11/8

I

-4 -37

5/4 3/2

II

+10 +23

1/1 8/5

III

+10

1/1

*

-4 +10 +12 -39 -35

5/4 1/1 3/2 11/8 9/8

-43-

10.2

III 3/2 II 12/11 I

+10 +12 +12 +10 -39

3/2 3/2 1/1

(517)

I -35 +47 -37 +2 -39

9/8 5/4 1/1 13/8 3/2 1/1

II -2 -48 +14

5/4 13/8 3/2

III +14 +23

9/8 8/5

* +23 -21 +23 -2

III^{8/5} 8/5 II^{5/4} 7/4

(521)

I +30 +12 +47 -35 -39 +30 +47 -39 -35 -37 +12

7/4 11/8 9/8 1/1 5/4 7/4 5/4 1/1 9/8 3/2 11/8

II +14 -21 +23 -39

9/8 7/4 1/1 11/8 8/5

III -20 +12 -2

7/4 1/1 5/4

* +12 +14 +30

I^{11/8} II^{9/8} I^{7/4}

10.3

III 1/1 II 11/8 I

+12 -39 +10 -39 -39 +10

12/11 11/8 11/8

(525)

I +23 +10 +14

8/5 1/1 9/8

II -37 +47

3/2 5/4

III -35 +12 -37

9/8 11/8 3/2

* -35 +23 +47

III^{9/8} I^{8/5} III^{5/4}

10.4

III 55/32 II 1/1 I

-39 -39 +23 +10 -39

1/1 55/32 11/8

529

I

II

III

*

+12 -37

11/8 3/2

533

I

II

III

*

-37 +47 +30 +2

5/4 7/4 13/8

3/2

-8 +23 +27 -36 +23 +25 -8 +23 +10 -36 +23

7/4 1/1 9/8 13/8 1/1 3/2 7/4 1/1 5/4 13/8 1/1

+47 -39 +47

5/4 1/1 5/4

-36 -8 +47

II^{13/8} 7/4 III^{5/4} 5/4

10.5

III 55/32 II 55/32 I

-39 +23 +23 -39

1/1 1/1

55/32 1/1 1/1

537

I

II

III

*

+12 +47 -37 +12 -39 +30 +47 -37 +12

11/8 5/4 1/1 7/4 3/2 11/8 5/4 3/2 11/8

+25 -25 +10

3/2 11/8 5/4

+27

9/8

+12 -25 +25 +37 -36 -8

I^{11/8} III^{11/8} 3/2 8/5 13/8 7/4

-45-

10.6

III 1/1 II 1/1 I
+23 +23 -39 +23
1/1 1/1 55/32

(541)

I $\frac{1}{1}$ $\frac{13}{8}$ $\frac{9}{8}$ $\frac{1}{1}$ $\frac{13}{8}$ $\frac{9}{8}$

II $\frac{9}{8}$ $\frac{3}{2}$ $\frac{7}{4}$ $\frac{1}{1}$

III $\frac{3}{2}$ $\frac{13}{8}$ $\frac{7}{4}$ $\frac{1}{1}$ $\frac{3}{2}$

* $\frac{1}{5/4}$ $\frac{11}{8}$ $\frac{11}{7/4}$ $\frac{1}{1}$

(545)

I $\frac{7}{4}$ $\frac{5}{4}$ $\frac{1}{1}$ $\frac{9}{8}$ $\frac{3}{2}$

II $\frac{9}{8}$ $\frac{13}{8}$ $\frac{7}{4}$ $\frac{1}{1}$ $\frac{11}{8}$ $\frac{5}{4}$ $\frac{3}{2}$ $\frac{7}{4}$ $\frac{13}{8}$ $\frac{11}{8}$

III $\frac{11}{8}$ $\frac{5}{4}$ $\frac{7}{4}$

* $\frac{11}{8}$ $\frac{1}{1}$ $\frac{7}{4}$ $\frac{9}{8}$ $\frac{3}{2}$ $\frac{5}{4}$ $\frac{7}{4}$ $\frac{11}{8}$ $\frac{3}{2}$ $\frac{1}{1}$

11.1

III 13/8 II 13/8 I
+23 -36 +23 +23
13/8 1/1 1/1

(549)

I $\frac{5}{4}$ $\frac{11}{8}$ $\frac{7}{4}$ $\frac{13}{8}$

II $\frac{9}{8}$ $\frac{3}{2}$ $\frac{11}{8}$

III $\frac{13}{8}$ $\frac{1}{1}$ $\frac{3}{2}$ $\frac{9}{8}$

* $\frac{5}{4}$ $\frac{13}{8}$ $\frac{11}{5/4}$ $\frac{11}{8}$

11.2

III 13/8 II 13/8 I

-36 +23 -36 +23

1/1 13/8 1/1

(553)

I 11/8 5/4 1/1 3/2

II 5/4 7/4 1/1 13/8

III 7/4

* 3/2 13/8

(557)

I +10 +27 -36 -8 +23 +25 -25

5/4 9/8 13/8 7/4 1/1 3/2 11/8 3/2

II -36 -50 -32 -36 +4

1/1 5/4 9/8 1/1 13/8

III -32 -36

9/8 1/1

* -32 -50

III 9/8 5/4

11.3

III 13/8 II 5/4 I

-36 +23 -36 +23 +10

13/8 1/1 5/4

(561)

I 13/8

II +33 -50 +4 +15 -36 -32 -50

7/4 5/4 13/8 11/8 1/1 9/8 5/4 3/2

III +25 +27 +10 -25 -8 +25 +23

3/2 9/8 5/4 11/8 7/4 3/2 1/1

* -50 +27 +10 +4

II 5/4 III 9/8 5/4 II 13/8

-47-

11.4

13/8

III

5/4

II

13/10

I

+23 +10

-36 +23

+10 -36

5/4

13/8

13/10

565

I

II

III

*

+33

7/4

+25

3/2

+25

-39

III^{3/2}

I^{11/8}

-25

11/8

-4

-21

5/4

7/4

11.5

1/1

III

13/10

II

13/10

I

+10 -36

+23 +10

-36 +10

13/10

5/4

13/10

569

I

II

III

*

-50 -32 +15 -36

5/4 9/8 11/8 1/1

-50 -36 -34 -32 +33

5/4 1/1 3/2 9/8 7/4

+25 +10

3/2 5/4

+23 +27 +25

1/1 9/8 3/2

-50 -21 +10 -39 +10 -21

13/8 7/4 1/1 11/8 1/1 5/4 7/4

+10

1/1

-32

9/8

-50

5/4

-21

III^{7/4}

573

I

II

III

*

-39

11/8

+10

1/1

-50

13/8

+15

11/8

-32 -34 +33

3/2 7/4 9/8

+14 -4

II^{9/8}

5/4

-39 -32

11/8 III^{9/8}

-50

5/4

-48-

11.6

III 13/10 II 1/1 I

-36 +10 +10 -36 +10

13/10 13/10 1/1

(577)

I

II

III

*

-50

II 5/4

-36 -50 -32

1/1 5/4 9/8

+10 -50 -4

1/1 5/4 13/8

11.7

III 1/1 II 1/1 I

+10 -36 +10 +10

1/1 13/10 1/1

(581)

I

II

III

*

+14 -4 +12 -4

9/8 5/4 1/1 3/2 5/4

-21

7/4

-21 +14

III 7/4 9/8

(585)

I

II

III

*

+14 +10 +12 -50 -21 -39 -4 -21 -50 +14 -39 +12 -4

13/8 7/4 11/8 5/4 7/4 13/8 9/8 11/8 3/2 5/4

9/8 1/1 3/2

-21 +10 -39 -4 +12 +10 -4 -39 +14 -50

7/4 1/1 11/8 3/2 1/1 5/4 11/8 9/8 13/8

7/4

+12 +10 -50 -39 +10 -4 +12

1/1 13/8 11/8 1/1 3/2 5/4

3/2

+12 -39 +10 -4 -21 -39 +14 -50 -4 +10 -50 -21

III 11/8 5/4 7/4 11/8 13/8 5/4 1/1 13/8 7/4

3/2 9/8

1/1

589

III 13/8

II +10 1/1

I +12 -39 3/2 11/8

* -4 +14 5/4 9/8

12.1

III +10 +14 9/8

II +10 1/1

I +10 -50 16/13

593

III +19 7/4

II -21 -4 +10 +12 5/4 7/4 1/1 3/2

III +14 1/1

* -4 II 5/4

12.2

III +14 1/1

II +10 1/1

I -50 16/13

597

III -50 -9 -48 1/1 13/8 3/2

II

III +18 9/8

* +18 -9 +12 III 9/8 I 13/8 II 3/2

601

-50 -46

1/1 9/8

-21 -21 -4

7/4 5/4 7/4

-35 -46

11/8 13/8

-21 +2 -4 +18 -9

II 7/4 I 11/8 II 5/4 III 9/8 I 13/8

12.3

18/13 18/13 1/1 I

+14 -50 +10 +14 -50

18/13 9/8 1/1

605

-50 +2 +19 -48

1/1 11/8 7/4 3/2

-46

13/8

+37

5/4

+19 -46

7/4 III 9/8

12.4

1/1 1/1 1/1 I

-50 +14 -50 -50

1/1 18/13 1/1

609

+37 -9 -46 -50 -48 +37 +19 -9 +19

5/4 13/8 9/8 1/1 3/2 5/4 7/4 13/8 7/4 1/1

+18 +14 -35

1/1 11/8 9/8

+19 -9 -50 -48

7/4 13/8 1/1 3/2

-46 +37 +2

9/8 5/4 11/8

613

I

II

III

*

III^{1/1}

13.1

III

II

I

5/4 1/1 5/4 1/1

617

I

II

III

*

II^{3/2}

13.2

III

II

I

9/8 5/4 10/9 1/1 1/1 9/8

621

I

II

III

*

13/8 III^{3/2} II^{9/8} 5/4

13.3

III 10/9 II 9/8 I

+37 -46 -50 +37 -46 -50

10/9 5/4 9/8

625

I

-44 -5 -46 -42 +23 -46 +40 -44

3/2 1/1 13/8 1/1 9/8 7/4 1/1 5/4 3/2

II

+37 -48 -50 -48 -46 +2

5/4 3/2 1/1 3/2 9/8 11/8

III

-48 +37 +38

6/5 1/1 3/2

*

+2 -48 -44 +38

II^{11/8} 3/2 I^{3/2} III^{3/2}

629

I

+37 +2 +19 -48 -50 +37 +19 -48 -9 -48 +37 -50

5/4 11/8 7/4 13/8 3/2 1/1 9/8 5/4 7/4 3/2 13/8 3/2 5/4 1/1

II

III

+40 -46 -44

5/4 1/1 3/2

*

-23

II^{13/8}

13.4

III 10/9 II 1/1 I

-46 +37 -50 -46

1/1 1/1 9/8

633

I

+19

7/4

II

-48 +40 +37 +5

6/5 9/8 1/1 7/4

III

+23 -44

7/4 3/2

*

-23 -46 +37

13/8 I^{9/8} 5/4 -53-

637

13.5

III 10/9 II 1/1 I

-46 -37 -46

1/1 1/1 1/1

I

9/8 3/2 5/4 9/8

-42 -44 -42

+40

II

-23 +40 -12

+38

13/8 9/8 3/2 11/8

III

-42 -46 -5 +40

9/8 1/1 13/8 5/4

*

+40 +5 -44 +38 -23

II^{9/8} III^{11/8} 3/2 II^{3/2} 13/8

641

13.6

III 1/1 II 1/1 I

-46 +37 -46

1/1 10/9 1/1

I

-5 -46 +5 +23

13/8 1/1 11/8 7/4

II

+37

1/1

III

+5 -44 -46 +23 -5 +5 -5 -44

11/8 3/2 1/1 7/4 13/8 11/8 13/8 3/2

1/1 11/8

*

-42 +40 +5 -44 -5 -23

III^{9/8} III^{11/8} 3/2 13/8 II^{13/8}

645

I

-44 -46 -46 -5 +23 -44 +40

3/2 1/1 1/1 13/8 7/4 3/2 5/4

3/2 11/8

II

III

+40 +23 -42 -46 +23 -5 -42 -46 +40 +23 -44

5/4 7/4 9/8 1/1 9/8 7/4 13/8 9/8 1/1 5/4 7/4 3/2

11/8

*

-44 -5 +23 -42 +5 +5 -44 +23

III^{3/2} 13/8 7/4 1/1 11/8 11/8 3/2 7/4

5/4 9/8

649 -42

I 9/8

II +23 -40 -46 +23 -44 -5 -44 +40

7/4 5/4 1/1 7/4 3/2 13/8 1/1 3/2 5/4

III -46 -5 +5

1/1 13/8 11/8

* -46 +40 -5

1/1 5/4 13/8

14.1

III 3/2 II 1/1 I

-46 -46 -44 -46

1/1 3/2 1/1

653

I -46

1/1

II +7 -42 +42 -44 +42 -3 +7 +25

11/8 5/4 1/1 5/4 13/8 11/8 7/4

III -42

9/8

* -44 +23

3/2 III 7/4

14.2

III 9/8 II 4/3 I

-46 -42 -44 -46 -46 -44

9/8 3/2 3/2

657

I -44 +5 +40

3/2 11/8 5/4

II +42 -3 +42

5/4 13/8 5/4

III -44

3/2

* +42 -42

II 5/4 III 9/8

14.3

III 4/3 II 4/3 I
-42 -46 -44 -44

1/1 3/2 1/1

(661)

I

-44 +25 -40

1/1 7/4 9/8 5/4

II

-46

1/1

III

+44 -38 +9 -1 -42 -40

5/4 9/8 11/8 13/8 1/1 3/2

*

+25 +44

I 7/4 III 5/4

(665)

I

-44

1/1

+7 +42

11/8 5/4

-44 -42

1/1 3/2

II

-40

9/8

+7

11/8

III

+27

7/4

*

-40

II 9/8

+42

5/4

+7

11/8

-42

3/2

14.4

III 1/1 II 1/1 I
-42 -44 -44 -44

4/3 1/1 1/1

(669)

I

-3 +25 +42 +7 -40 -44 -40 -3 +42

13/8 7/4 5/4 11/8 9/8 1/1 9/8 13/8 5/4

II

-42

3/2

III

+9

11/8

*

+25

7/4

-3

III 13/8

-56-

673

-44 +25

7/4 1/1

-44 +25 -42 -44

1/1 7/4 5/4 3/2 1/1

+42 -40

5/4 9/8

+7 -44 +42 -42 -44 +25 +42

11/8 1/1 5/4 3/2 1/1 7/4 5/4

13/8

677

-42 +7

3/2 11/8

-44

1/1

-44 +25 -42 -3 -42

1/1 7/4 3/2 13/8 3/2

15.1

12/11

III 4/3 II 16/11 I

-44 -44 -42 -44 +7

1/1 4/3 16/11

681

+7 +11 +7 -24 +9 +7

1/1 9/8 1/1 7/4 6/5 3/2 1/1

-38 -1 -40 +27 -42 -40

13/8 9/8 3/2 7/4 1/1 3/2

+25 +7

7/4 11/8

+44 -40 +42 +42 +7

II^{5/4} III^{9/8} 5/4 5/4 11/8

15.2

III 16/11 II 12/11 I

4/3

685

I

II

III

*

13/8 5/4 9/8 11/8 7/4 3/2 5/4 11/8 7/4 3/2 13/8

11/8 7/4 5/4 1/1 7/4 11/8

3/2 13/8 1/1 3/2 7/4 6/5 1/1 9/8 13/8

III 6/5 II 7/4 I 5/4

15.5

14/11 1/1 14/11 I

+7 +25 +25 +7

14/11 1/1 1/1

697

I

II

-35 +25 +27 -6 -24 +25 +29

13/8 1/1 3/2 7/4 11/8 1/1 9/8

III

-24 +23 +9 +11

7/4 13/8 6/5 9/8

*

+48 -24

III 13/8 7/4

701

I

-41 -24 +23 +7

11/8 7/4 13/8 6/5 1/1

II

-35 +27 +25 +11 +29

13/8 3/2 1/1 5/4 9/8

III

-24 -35 +25

11/8 13/8 1/1

*

+27 -24 -35 -6 +23 +29

I 7/4 13/8 7/4 6/5 III 9/8

15.6

1/1 14/11 14/11 I

+25 +7 +25 +7 +25

14/11 1/1 14/11

705

I

-35 -6 -24 -35 +27 +29 -6

9/8 7/4 3/2

II

7/4 11/8 13/8 13/8 3/2

III

+9

3/2

*

+48

I 13/8

15.7

III 1/1 II 14/11 I

+7 +25 +25 +25 +7

14/11 1/1 14/11

709

I

+11 +27

5/4 3/2

II

+11 +25

5/4 1/1

III

-24 +23 +7 +48 +11 +23 -24

7/4 6/5 1/1 13/8 9/8 6/5 7/4

*

-24 +27

III 7/4 II 3/2

713

I

+7 -24 +48 +23 -24 +7 +9 -41

1/1 7/4 6/5 13/8 7/4 1/1 9/8 3/2 11/8

II

+27

3/2

III

-24

11/8

*

-35 -6 +29 +11

III 13/8 7/4 9/8 5/4

15.8

III 1/1 II 1/1 I

+25 +25 +7 +25

1/1 1/1 14/11

717

I

+27 +25 -35 +29 -24 +11 +29

3/2 1/1 13/8 9/8 11/8 3/2 9/8

II

-35 +25 +27 +11 +29 +27 -6 +11 +25 +29 -24 +27 +25 -35

1/1 3/2 5/4 9/8 3/2 7/4 5/4 1/1 9/8 11/8 3/2 1/1 13/8

III

-6 +11

III 7/4 5/4

721

I $\frac{5}{4}$ $\frac{1}{1}$

II $\frac{1}{1}$ $\frac{7}{4}$ $\frac{3}{2}$ $\frac{11}{8}$ $\frac{1}{1}$ $\frac{13}{8}$ $\frac{5}{4}$ $\frac{1}{1}$ $\frac{11}{8}$ $\frac{3}{2}$

III $\frac{5}{4}$ $\frac{9}{8}$

* $\frac{9}{8}$ $\frac{11}{8}$ $\frac{1}{1}$ $\frac{7}{4}$ $\frac{5}{4}$

+11 +25 +29 +27 +25 -6 -24 +25 -35 +11 +25 -24

16.1

III $\frac{9}{8}$ II $\frac{9}{8}$ I $\frac{1}{1}$

+25 +29 +25 +25 +25

725

I $\frac{13}{8}$

II $\frac{5}{4}$

III $\frac{1}{1}$ $\frac{7}{4}$

* $\frac{3}{2}$ $\frac{9}{8}$ $\text{III}^{\frac{6}{5}}$ $\frac{6}{5}$ $\text{II}^{\frac{3}{2}}$

+27 +29 +44 +27

-35 +11 -2

16.2

III $\frac{9}{8}$ II $\frac{1}{1}$ I $\frac{1}{1}$

+29 +25 +25 +29 +25

729

I $\frac{3}{2}$ $\frac{7}{4}$ $\frac{1}{1}$

II $\frac{7}{4}$ $\frac{9}{8}$ $\frac{1}{1}$ $\frac{13}{8}$ $\frac{5}{4}$

III $\frac{13}{8}$ $\frac{1}{1}$ $\frac{9}{8}$

* $\frac{13}{8}$ $\frac{7}{4}$

+27 -6 +25 -6 +29 +25 -35 +11 -31 +29 +33 -6 -35

733

I

II

III

*

16.3

I

II

III

*

737

I

II

III

*

741

I

II

III

*

16.4

16/13

III $\frac{9}{8}$ II $\frac{18}{13}$ I

+29 +25 +25 -35

1/1 1/1 16/13

(745)

I

II

III

*

-6 -2 +11

7/4 11/8 5/4

(749)

I

II

III

*

-35 +17 -24 +29 +31 +29 +33 +6 +44 +31 -20

1/1 11/8 11/8 9/8 3/2 1/1 13/8 6/5 11/8 3/2

16.5

16/13

III $\frac{18}{13}$ II $\frac{9}{8}$ I

+29 +25 -35 -35 +25

1/1 16/13 16/13

(753)

I

II

III

*

+11 -6 +27 -35 -2 -31 +33 +6

5/4 7/4 3/2 1/1 7/4 13/8 9/8 11/8 13/8

16.6

1/1

III 18/13 II 18/13 I

+29 -35 -35 +29 +25 +29

18/13 18/13 9/8

(757)

I

II

III

*

-31

9/8

+44 -2 -20 +29

6/5 11/8 1/1 7/4

+29

1/1

-20

11/8

-2

11/8 7/4

+31

3/2

+44

6/5 13/8

-31

3/2

+6

III 13/8

+44

II 6/5

16.7

1/1

III 18/13 II 18/13 I

-35 +29 +29 -35 +29 -35

18/13 18/13 18/13

(761)

I

II

III

*

-2

7/4

+6

13/8

+17

-35

1/1

11/8

-48

-35

1/1

5/4

+31

3/2

+44

6/5

-2

11/8

+33

9/8

+29

1/1

-20

11/8

+31

3/2

-2

III 7/4

(765)

I

II

III

*

+34

7/4

-31

9/8

-35

1/1

+6

13/8

+17

-33

II 11/8

3/2

+6

13/8

16.8

III 18/13 II 1/1 I
+29 -35 -35 +29 -35

18/13 18/13 1/1

(769)

I

II

III

*

III^{7/4}

3/2 9/8 11/8 1/1

3/2 11/8 3/2 1/1 9/8

13/8 11/8 3/2 7/4 5/4

+34

16.9

III 18/13 II 1/1 I
-35 +29 -35

1/1 1/1 1/1

(773)

I

II

III

*

II^{11/8} 3/2 III^{5/4}

11/8 3/2 7/4 11/8 6/5 13/8

3/2 11/8 9/8 1/1

16.10

III 1/1 II 1/1 I
-35 +29 -35

1/1 18/13 1/1

(777)

I

II

III

*

11/8 3/2

-65-

to kill a monarch (seed:19800725)

781

I

II

III

*

1/1 7/4 5/4 11/8 3/2 1/1 9/8

-35 +34 -48 +17 -33 -35 -31

9/8 3/2 1/1

7/4 13/8 7/4 3/2 11/8 5/4 3/2 13/8

+6 +34 +34 -33 +17 -48 -33 +6

-31 +17

III 9/8 11/8

785

I

II

III

*

13/8 7/4

+6 +34

-48 -35 +6 -31 +17

5/4 1/1 13/8 9/8 11/8

-35 -48 +6 -33 -31

1/1 5/4 13/8 1/1 3/2 9/8

789

I

II

III

*