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# ***CROMATOLOGÍA, Op. 73.***

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1. Escalas cromáticas desde 2 hasta 13 notas por movimiento simétrico; digitación básica y digitaciones auxiliares.

1.1. Fa.

A musical staff with a treble clef, a bass clef, and a key signature of one sharp. The staff consists of five lines and four spaces. There are two fermatas at the top. Below them, a set of numbers is shown in parentheses: (4 5/1), (3 4/1), (2 3/1), and (1 2/3/4). Underneath these numbers are the digits 1 and 2, indicating a symmetrical movement from 1 to 2 and back. The staff ends with a colon and a vertical bar.

A musical staff with a treble clef, a bass clef, and a key signature of one sharp. The staff consists of five lines and four spaces. It features two groups of eighth-note pairs. Between the groups, there is a set of numbers in parentheses: (4 1 2/3/4 1), (3 {4 5/1 4}), and (2 {1 2/3/4 1}). Below these numbers are the digits 2, 1, 2, and 1, indicating a specific sequence of notes. The staff ends with a colon and a vertical bar.

A musical staff with a treble clef, a bass clef, and a key signature of one sharp. The staff consists of five lines and four spaces. It features two groups of eighth-note pairs. Between the groups, there is a set of numbers in parentheses: (1/3 4 1 2/3/4 1 4), (1/2 3 {4 5/1 4} 3), and (1 2 {1 2/3/4 1} 2). Below these numbers are the digits 1, 2, 1, 2, 1, and 2, indicating a specific sequence of notes. The staff ends with a colon and a vertical bar.

Advertencias sobre alteraciones accidentales: toda alteración accidental afecta a todas las notas posteriores única y exclusivamente de la misma altura dentro del mismo compás. La línea divisoria actúa como becuadro de todas las alteraciones accidentales del compás precedente.

4

(2) 3 4  
(4) 1 { 3 } 1 { 3 } 1 { 4 } 2/3/4 1 { 4 } 4 3 )  
(3) 2 { 3 } 2 { 3 } 2 { 4 } 2/3/4 1 { 3 } 1 { 4 } 3 )  
3 1 2 1 2 1 2 1 2 1

5

(1) { 2 } 3 4  
(3) 2 { 3 } 2 { 3 } 2 { 4 } 2/3/4 1 { 3 } 1 { 4 } 3 )  
(2) 3 4 { 3 } 2 { 3 } 2 { 4 } 2/3/4 1 { 3 } 1 { 4 } 3 )  
2 3 1 2 1 2 1 2 1 3

6

(1) { 2 } 3 4  
(2) 3 4 { 3 } 2 { 3 } 2 { 4 } 2/3/4 1 { 3 } 1 { 4 } 3 )  
(2/3/4 1 { 3 } 2 { 3 } 3 4 1 { 4 } 2/3/4 1 { 3 } 1 { 4 } 3 )  
1 2 3 1 2 1 2 1 2 1 3 2

7

$(2/3/4 \quad 1 \left\{ \begin{matrix} 3 \\ 2 \end{matrix} \quad 4 \right\}) \quad 1 \left\{ \begin{matrix} 4 \\ 3 \end{matrix} \quad \left\{ \begin{matrix} 1 \\ 4 \end{matrix} \quad \left\{ \begin{matrix} 2/3/4 \\ 5/4 \end{matrix} \quad 4 \right\} \quad 4 \right\} \quad 1 \left\{ \begin{matrix} 4 \\ 3 \end{matrix} \quad \left\{ \begin{matrix} 3 \\ 2 \end{matrix} \right\} \quad 1 \right\}$

$\left( \begin{matrix} 3 \\ 2 \end{matrix} \quad 4 \right) \quad 1 \left\{ \begin{matrix} 3/4 \\ 2 \end{matrix} \right\} \quad 3 \quad 4 \quad 1 \quad 2 \quad 3 \quad 1 \quad 2 \quad 1 \quad 2 \quad 1 \quad 2 \quad 1 \quad 3 \quad 2 \quad 1$

8

$(1/3 - 4 \left\{ \begin{matrix} 3 \\ 2 \end{matrix} \right\}) \quad 1 \left\{ \begin{matrix} 3 \\ 2 \end{matrix} \quad 4 \right\} \quad 1 \left\{ \begin{matrix} 4 \\ 3 \end{matrix} \quad \left\{ \begin{matrix} 1 \\ 4 \end{matrix} \quad \left\{ \begin{matrix} 2/3/4 \\ 5/4 \end{matrix} \quad 4 \right\} \quad 4 \right\} \quad 1 \left\{ \begin{matrix} 4 \\ 3 \end{matrix} \quad \left\{ \begin{matrix} 3 \\ 2 \end{matrix} \right\} \quad 1 \left\{ \begin{matrix} 4 \\ 3 \end{matrix} \right\}$

$(1/3 - 4 \left\{ \begin{matrix} 3 \\ 2 \end{matrix} \right\}) \quad 1 \left\{ \begin{matrix} 3/4 \\ 2 \end{matrix} \right\} \quad 3 \quad 4 \quad 1 \quad 2 \quad 3 \quad 1 \quad 2 \quad 1 \quad 2 \quad 1 \quad 2 \quad 1 \quad 3 \quad 2 \quad 1 \quad 4$

9

$(2 \quad 3 \left\{ \begin{matrix} 4 \\ 3 \end{matrix} \right\}) \quad 1 \left\{ \begin{matrix} 3 \\ 2 \end{matrix} \quad 4 \right\} \quad 1 \left\{ \begin{matrix} 4 \\ 3 \end{matrix} \quad \left\{ \begin{matrix} 1 \\ 4 \end{matrix} \quad \left\{ \begin{matrix} 2/3/4 \\ 5/4 \end{matrix} \quad 4 \right\} \quad 4 \right\} \quad 1 \left\{ \begin{matrix} 4 \\ 3 \end{matrix} \quad \left\{ \begin{matrix} 3 \\ 2 \end{matrix} \right\} \quad 1 \left\{ \begin{matrix} 4 \\ 3 \end{matrix} \right\} \quad 3 \right\} \quad 1$

$(2/3/4 \quad 1 \left\{ \begin{matrix} 3 \\ 2 \end{matrix} \quad 4 \right\}) \quad 1 \left\{ \begin{matrix} 3/4 \\ 2 \end{matrix} \right\} \quad 3 \quad 4 \quad 1 \quad 2 \quad 3 \quad 1 \quad 2 \quad 1 \quad 2 \quad 1 \quad 2 \quad 1 \quad 3 \quad 2 \quad 1 \quad 4 \quad 3$

10

$(\frac{1}{3} \frac{2}{4})$  3- $\frac{4}{3}$  1  $\left\{ \frac{3}{2} \frac{4}{3} \right\}$  1  $\left\{ \frac{4}{3} \frac{4}{5/4} \frac{4}{3} \right\}$  1  $\left\{ \frac{4}{3} \frac{3}{2} \right\}$

1 2 3 4 1 2 3 1 2 1 2 1 2 1 2 1 3 2 1 4 3 2

11

$(\frac{4}{3})$  1 2 3- $\frac{4}{3}$  1  $\left\{ \frac{3}{2} \frac{4}{3} \right\}$  1  $\left\{ \frac{4}{3} \frac{4}{5/4} \frac{4}{3} \right\}$  1  $\left\{ \frac{4}{3} \frac{3}{2} \right\}$

3 1 2 3 4 1 2 3 1 2 1 2 1 2 1 3 2 1 4 3 2

12

$(\frac{4}{3} \frac{4}{2})$  1 2 3- $\frac{4}{3}$  1  $\left\{ \frac{3}{2} \frac{4}{3} \right\}$  1  $\left\{ \frac{4}{3} \frac{4}{5/4} \frac{4}{3} \right\}$  1  $\left\{ \frac{4}{3} \frac{3}{2} \right\}$

2 3 1 2 3 4 1 2 3 1 2 1 2 1 2 1 3 2 1 4 3 2 1 3

## 1.2. Sol bemol.

13

(1/3 2)  
(1 2)  
2 3

14

(2 - 3 1)  
(2/3/4 1)  
1 2 3 2

15

(3 4) 1  
(2 3) 1 {3 2} {4 3} 1  
2 1 2 3 2 1

16

(2 { 3 } 4) 1 2/3/4 1 { 4 { 3 } 2 } 1 { 3 } 4) 1 2 3 2 1 2

17

(4 ) 1 { 3 { 2 } 3 } 4) 1 2/3/4 1 { 4 { 3 } 2 } 1 { 3 } 4) 1 3 1 2 1 2 3 2 1 2 1

18

(3 { 4 } 1 { 3 { 2 } 3 } 4) 1 2/3/4 1 { 4 { 3 } 2 } 1 { 3 } 4) 1 { 3 { 2 } 3 } 2 3 1 2 1 2 3 2 1 2 1 3

19

(2- {3 4} 1 {3 4} 1 {3 4} 1 {3 2} 2/3/4 1 {4 3} 1 {4 3} 1 {3 2} 1 {3 4} 1  
 1 2 3 1 2 1 2 3 2 1 2 1 3 2

20

(2/3/4 1 {3 4} 1 {3 4} 1 {3 4} 1 {3 2} 2/3/4 1 {4 3} 1 {4 3} 1 {3 2} 1 {3 4} 1  
 4 1 2 3 1 2 1 2 3 2 1 2 1 3 2 1

21

(1/3- {4} 1 {3 4} 1 {3 4} 1 {3 4} 1 {3 2} 2/3/4 1 {4 3} 1 {4 3} 1 {3 2} 1 {4} 1 {3 2}  
 3 4 1 2 3 1 2 1 2 3 2 1 3 2 1 4

22

2 3 4 1 2 3 1 2 1 2 3 2 1 2 1 3 2 1 4 3

23

1 2 3 4 1 2 3 1 2 1 2 3 2 1 2 1 3 2 1 4 3 2

24

3 1 2 3 4 1 2 3 1 2 1 2 3 2 1 2 1 3 2 1 4 3 2 1

## 1.3. Sol.

25

(4      5/1)  
 (3      4/1)  
 (2      3/1)  
 (2/3/4      1)

3      4/1

26

(4/3      4      5/1      4)  
 (2      3      4/1      3)  
 (1      2      3/1      2)

2      3      4/1      3

27

{4}      1      {4      5/1      4}      1  
 {3}      1      {3      4/1      3}      1  
 {2}      1      {2      3      5/1      4}      1  
 (1      2      3      4/1      3      2)

1      2      3      4/1      3      2

28

$(\begin{matrix} 3 & 4 \\ 2 & 3 \end{matrix})$  1  $\left\{ \begin{matrix} 4 & 5/1 & 4 \\ 3 & 4/1 & 3 \end{matrix} \right\}$  1  $\left\{ \begin{matrix} 4 \\ 3 \end{matrix} \right\}$

$(\begin{matrix} 2 \\ 3 \end{matrix})$  1  $\left\{ \begin{matrix} 3 & 4 \\ 2 & 3 \end{matrix} \right\}$   $\left\{ \begin{matrix} 5/1 & 4 \\ 4/1 & 3 \end{matrix} \right\}$  1  $\left\{ \begin{matrix} 3 \\ 2 \end{matrix} \right\}$

2 1 2 3 4/1 3 2 1

29

$(\begin{matrix} 2 & 3 & 4 \\ 1 & 2 & 3 \end{matrix})$  1  $\left\{ \begin{matrix} 4 & 5/1 & 4 \\ 3 & 4/1 & 3 \end{matrix} \right\}$  1  $\left\{ \begin{matrix} 4 \\ 3 \end{matrix} \right\}$

$(\begin{matrix} 3 & 4 \\ 2 & 3 \end{matrix})$  1  $\left\{ \begin{matrix} 3 & 4 \\ 2 & 3 \end{matrix} \right\}$   $\left\{ \begin{matrix} 5/1 & 4 & 3 \\ 4/1 & 3 & 2 \end{matrix} \right\}$  1  $\left\{ \begin{matrix} 2 \\ 3 \end{matrix} \right\}$

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

30

$(\begin{matrix} 4 \\ 3 \end{matrix})$  1  $\left\{ \begin{matrix} 3 & 4 \\ 2 & 3 \end{matrix} \right\}$  1  $\left\{ \begin{matrix} 4 & 5/1 & 4 \\ 3 & 4/1 & 3 \end{matrix} \right\}$  1  $\left\{ \begin{matrix} 4 \\ 3 \end{matrix} \right\}$

$(\begin{matrix} 2 & 3 \\ 1 & 3 \end{matrix})$  1  $\left\{ \begin{matrix} 3 & 4 \\ 2 & 3 \end{matrix} \right\}$   $\left\{ \begin{matrix} 5/1 & 4 & 3 \\ 4/1 & 3 & 2 \end{matrix} \right\}$  1  $\left\{ \begin{matrix} 3 \\ 2 \end{matrix} \right\}$

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

31

(1/3-4) {2-3} 1 {3-4} 1 {4-3} 1 {5/4-4} {3/2-2} 1 {4-3} 1 {3-2} 1 {3-2}

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

32

(2-3) {2-3} 1 {3-4} 1 {3-4} 1 {4-3} 1 {5/4-4} {3/2-2} 1 {4-3} 1 {3-2} 1 {3-2}

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

33

(2/3-4) 1 {3-4} 1 {3-4} 1 {3-4} 1 {4-3} 1 {5/4-4} {3/2-2} 1 {4-3} 1 {3-2} 1 {3-2}

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

34

(1/3 4  
(1/2 3 1 {3 4  
(1 2 {3 4 1 {3 4  
(1 2 3 3 1 {3 4 1 {3 4  
3 4 1 2 3 1 2 1 2 3 4/1 3 2 1 2 1 3 2 1 4

(2 3- 4  
(2/3/4 1 {3 4 1 {3 4 1 {3 4  
(2 3 4 1 2 3 1 2 1 2 3 4/1 3 2 1 2 1 3 2 1 4 3

(1 2- 4  
(1/3 2 1 {3 4 1 {3 4 1 {3 4  
(1 2 {3 4 1 {3 4 1 {3 4 1 {3 4  
1 2 3 4 1 2 3 1 2 1 2 3 4/1 3 2 1 2 1 3 2 1 4 3 2

## 1.4. La bemol.

37

(1/3) (4)  
(1/2) (3)  
(1) (2)  
1 2

38

(4) 1 2/3/4 1  
(3) 3 4 3  
3 1 2 1

39

(3 4) 1  
(2 3) 3  
{2/3} 4  
{2/3} 1  
(4) 3  
(3 4) 2  
2 3 1 2 1 3

40

(2/3/4 1 {3/2} 4 2/3/4 1 {3/2} 4)  
 $\frac{2}{1} \left\{ \frac{3}{2} \frac{4}{3} \right\} 1 \quad 2/3/4 1 \left\{ \frac{4}{3} \frac{3}{2} \right\} 4$   
 1 2 3 1 2 1 3 2

41

(3/2 {3/4} 1 {3/2} 4 2/3/4 1 {3/2} 4)  
 $\frac{3}{4} \left\{ \frac{3}{2} \frac{4}{3} \right\} 1 \quad 2/3/4 1 \left\{ \frac{4}{3} \frac{3}{2} \right\} 4$   
 2 1 2 3 1 2 1 3 2 1

42

(2 {3/4} 1 {3/2} 4 2/3/4 1 {3/2} 4)  
 $\frac{1}{2} \left\{ \frac{3}{2} \frac{4}{3} \right\} 1 \left\{ \frac{3}{2} \frac{4}{3} \right\} 4 \quad 2/3/4 1 \left\{ \frac{4}{3} \frac{3}{2} \right\} 1 \left\{ \frac{4}{3} \frac{2}{1} \right\}$   
 $\frac{1}{3} \left\{ \frac{3}{2} \frac{4}{3} \right\} 1 \left\{ \frac{3}{2} \frac{4}{3} \right\} 4 \quad 2/3/4 1 \left\{ \frac{4}{3} \frac{3}{2} \right\} 1 \left\{ \frac{3}{2} \frac{4}{1} \right\}$   
 1 2 1 2 3 1 2 1 3 2 1 2

43

$\left( \begin{matrix} 4 \\ 2 \end{matrix} \right) 1 \left\{ \begin{matrix} 3 \\ 2 \end{matrix} \right. \left. \begin{matrix} 4 \\ 3 \end{matrix} \right\} 1 \left\{ \begin{matrix} 4 \\ 2 \end{matrix} \right. \left. \begin{matrix} 3 \\ 3 \end{matrix} \right\} 1 \quad \left( \begin{matrix} 2/3/4 \\ 4 \end{matrix} \right) 1 \left\{ \begin{matrix} 4 \\ 3 \end{matrix} \right. \left. \begin{matrix} 3 \\ 2 \end{matrix} \right\} 1 \quad \left( \begin{matrix} 2/3/4 \\ 4 \end{matrix} \right) 1 \left\{ \begin{matrix} 4 \\ 3 \end{matrix} \right. \left. \begin{matrix} 3 \\ 2 \end{matrix} \right\} 1$

$3 \quad 1 \quad 2 \quad 1 \quad 2 \quad 3 \quad 4 \quad 2 \quad 1 \quad 3 \quad 2 \quad 1 \quad 2 \quad 1$

44

$\left( \begin{matrix} 1/3 \\ 2 \end{matrix} \right) \left\{ \begin{matrix} 3 \\ 2 \end{matrix} \right. \left. \begin{matrix} 4 \\ 3 \end{matrix} \right\} 1 \left\{ \begin{matrix} 3 \\ 2 \end{matrix} \right. \left. \begin{matrix} 4 \\ 3 \end{matrix} \right\} 1 \quad \left( \begin{matrix} 2/3/4 \\ 4 \end{matrix} \right) 1 \left\{ \begin{matrix} 4 \\ 3 \end{matrix} \right. \left. \begin{matrix} 3 \\ 2 \end{matrix} \right\} 1 \quad \left( \begin{matrix} 2/3/4 \\ 4 \end{matrix} \right) 1 \left\{ \begin{matrix} 4 \\ 3 \end{matrix} \right. \left. \begin{matrix} 3 \\ 2 \end{matrix} \right\} 1$

$2 \quad 3 \quad 1 \quad 2 \quad 1 \quad 2 \quad 3 \quad 4 \quad 2 \quad 1 \quad 3 \quad 2 \quad 1 \quad 2 \quad 1 \quad 3$

45

$\left( \begin{matrix} 2 \\ 1 \end{matrix} \right) \left\{ \begin{matrix} 3 \\ 2 \end{matrix} \right. \left. \begin{matrix} 4 \\ 3 \end{matrix} \right\} 1 \left\{ \begin{matrix} 3 \\ 2 \end{matrix} \right. \left. \begin{matrix} 4 \\ 3 \end{matrix} \right\} 1 \quad \left( \begin{matrix} 2/3/4 \\ 4 \end{matrix} \right) 1 \left\{ \begin{matrix} 4 \\ 3 \end{matrix} \right. \left. \begin{matrix} 3 \\ 2 \end{matrix} \right\} 1 \quad \left( \begin{matrix} 2/3/4 \\ 4 \end{matrix} \right) 1 \left\{ \begin{matrix} 4 \\ 3 \end{matrix} \right. \left. \begin{matrix} 3 \\ 2 \end{matrix} \right\} 1$

$1 \quad 2 \quad 3 \quad 1 \quad 2 \quad 1 \quad 2 \quad 3 \quad 4 \quad 2 \quad 1 \quad 3 \quad 2 \quad 1 \quad 2 \quad 1 \quad 3 \quad 2$

46

(2/3/4 1 {3/2 - 4/3} 1 {3/2 - 4/3} 1 {4/3} 1    2/3/4 1 {4/3} 1 {4/3 - 3/2} 1 {4/3 - 3/2} 1 {4/3} 1 {4/3})  
 (2 {3/4} 1 {4/3} 1 {3/2} 3 - 4) 1 {3/2} 3 - 4 1 {3/2} 3 - 4 1 {3/2} 3 - 4 1 {3/2} 3 - 4 1 {3/2} 3 - 4  
 4 1 2 3 1 2 1 2 3 1 2 1 3 2 1 2 1 3 2 1

47

(1/3 {4/3} 1 {3/2 - 4/3} 1 {3/2 - 4/3} 1 {4/3} 1    2/3/4 1 {4/3} 1 {4/3 - 3/2} 1 {4/3 - 3/2} 1 {4/3} 1 {4/3})  
 (1 {2/3} 4) 1 {3/2} 3 - 4 1 {3/2} 3 - 4 1 {3/2} 3 - 4 1 {3/2} 3 - 4 1 {3/2} 3 - 4 1 {3/2} 3 - 4  
 3 4 1 2 3 1 2 1 2 3 1 2 1 3 2 1 2 1 3 2 1 4

48

(2 {3/2} 3 - 4/3 1 {3/2 - 4/3} 1 {3/2 - 4/3} 1 {4/3} 1    2/3/4 1 {4/3} 1 {4/3 - 3/2} 1 {4/3 - 3/2} 1 {4/3} 1 {4/3})  
 (2/3/4 1 {3/2 - 4/3} 1 {3/2 - 4/3} 1 {3/2} 3 - 4 1 {3/2} 3 - 4 1 {3/2} 3 - 4 1 {3/2} 3 - 4 1 {3/2} 3 - 4  
 2 3 4 1 2 3 1 2 1 2 3 1 2 1 3 2 1 2 1 3 2 1 4 3

## 1.5. La.

49

(4 5/1)  
(3 4/1)  
(2 3/1)  
2 3/1

50

(1/3 4 5/1 4)  
(2 3 4/1 3)  
(1 2 3/1 2)  
1 2 3/1 2

51

(2 3 4 5/1 4 3)  
(1 2 3 4/1 3 2)  
(1 2 3/1 2 1)  
3 1 2 3/1 2 1

52

$(1 \{2 3\} 3 \{4 2\})$   
 $(2 \{3 4\} 3 \{2 3\})$

2 3 1 2 3/1 2 1 3

53

$(2/3/4 1 \{2 3/4\} 3 \{4 2\})$   
 $(1 \{2 3\} 3 \{2 3\})$

1 2 3 1 2 3/1 2 1 3 2

54

$(3 \{2 4\} 1 \{2 3/4\} 3 \{4 2\})$   
 $(3 \{2 3\} 1 \{2 3\})$

2 1 2 3 1 2 3/1 2 1 3 2 1

55

( $\frac{2}{1}$  {  $\frac{3}{2}$   $\frac{4}{3}$  }  $\frac{1}{1}$  {  $\frac{2}{3}$   $\frac{4}{1}$  }  $\frac{3}{4}$   $\frac{4}{1}$   $\frac{5}{1}$   $\frac{4}{1}$   $\frac{3}{2}$  }  $\frac{3}{1}$  {  $\frac{2}{3}$   $\frac{4}{1}$  }  $\frac{1}{1}$  {  $\frac{4}{3}$   $\frac{3}{2}$  }  $\frac{1}{1}$  {  $\frac{3}{2}$  } )

1 2 1 2 3 1 2 3/1 2 1 3 2 1 2

56

( $\frac{4}{3}$  )  $\frac{1}{1}$  {  $\frac{3}{2}$   $\frac{4}{3}$  }  $\frac{1}{1}$  {  $\frac{2}{3}$   $\frac{4}{1}$  }  $\frac{3}{4}$   $\frac{4}{1}$   $\frac{5}{1}$   $\frac{4}{1}$   $\frac{3}{2}$  }  $\frac{3}{1}$  {  $\frac{2}{3}$   $\frac{4}{1}$  }  $\frac{1}{1}$  {  $\frac{4}{3}$   $\frac{2}{1}$  }  $\frac{1}{1}$  {  $\frac{3}{2}$  } 1 )

3 1 2 1 2 3 1 2 3/1 2 1 3 2 1 2 1

57

( $\frac{1}{1}$  {  $\frac{4}{3}$  }  $\frac{1}{1}$  {  $\frac{3}{2}$   $\frac{4}{3}$  }  $\frac{1}{1}$  {  $\frac{2}{3}$   $\frac{4}{1}$  }  $\frac{3}{4}$   $\frac{4}{1}$   $\frac{5}{1}$   $\frac{4}{1}$   $\frac{3}{2}$  }  $\frac{3}{1}$  {  $\frac{2}{3}$   $\frac{4}{1}$  }  $\frac{1}{1}$  {  $\frac{4}{3}$   $\frac{2}{1}$  }  $\frac{1}{1}$  {  $\frac{3}{2}$  } 1 {  $\frac{4}{3}$  } )

2 3 1 2 1 2 3 1 2 3/1 2 1 3 2 1 2 1 3

58

$(\frac{2}{3} - \frac{3}{2})$  1  $\left\{ \frac{3}{2} - \frac{4}{3} \right\}$  1  $\left\{ \frac{3}{2} - \frac{4}{3} \right\}$  1  $\left\{ \frac{2}{3/4} \right\}$  3  $- \frac{4}{3}$   $\frac{5}{4}$   $\frac{4}{3} - \frac{3}{2}$  1  $\left\{ \frac{3}{4} - \frac{2}{3} \right\}$  1  $\left\{ \frac{4}{3} - \frac{3}{2} \right\}$  1  $\left\{ \frac{4}{3} - \frac{3}{2} \right\}$   
 $(2/3/4)$  1  $\left\{ 3/4 \right\}$  1  $\left\{ 3/2 \right\}$  3  $- \frac{4}{3}$  1  $\left\{ 3/2 \right\}$  1  
 1 2 3 1 2 1 2 3 1 2 3/4 2 1 3 2 1 2 1 3 2

59

$\frac{2}{3/4}$  1  $\left\{ \frac{3}{2} - \frac{4}{3} \right\}$  1  $\left\{ \frac{3}{2} - \frac{4}{3} \right\}$  1  $\left\{ \frac{2}{3/4} \right\}$  3  $- \frac{4}{3}$   $\frac{5}{4}$   $\frac{4}{3} - \frac{3}{2}$  1  $\left\{ \frac{3}{4} - \frac{2}{3} \right\}$  1  $\left\{ \frac{4}{3} - \frac{3}{2} \right\}$  1  $\left\{ \frac{4}{3} - \frac{3}{2} \right\}$  1  
 $\frac{3}{2}$   $\frac{4}{3}$  1  $\left\{ 3/4 \right\}$  1  $\left\{ 3/2 \right\}$  3  $- \frac{4}{3}$  1  $\left\{ 3/2 \right\}$  1  
 4 1 2 3 1 2 1 2 3 1 2 3/4 2 1 3 2 1 2 1 3 2 1

60

$(\frac{4}{3} - \frac{4}{3})$  1  $\left\{ \frac{3}{2} - \frac{4}{3} \right\}$  1  $\left\{ \frac{3}{2} - \frac{4}{3} \right\}$  1  $\left\{ \frac{2}{3/4} \right\}$  3  $- \frac{4}{3}$   $\frac{5}{4}$   $\frac{4}{3} - \frac{3}{2}$  1  $\left\{ \frac{3}{4} - \frac{2}{3} \right\}$  1  $\left\{ \frac{4}{3} - \frac{3}{2} \right\}$  1  $\left\{ \frac{4}{3} - \frac{3}{2} \right\}$   
 $(\frac{2}{3} - \frac{4}{3})$  1  $\left\{ 3/4 \right\}$  1  $\left\{ 3/2 \right\}$  3  $- \frac{4}{3}$  1  $\left\{ 3/2 \right\}$  1  
 3 4 1 2 3 1 2 1 2 3 1 2 3/4 2 1 3 2 1 2 1 3 2 1 4

## 1.6. Si bemol.

61

(4/3      4)  
(1/2      3)  
(1      2)  
3      4

62

(3/4) — 1 — {2/3} — 1  
(2)    3        4    3

63

(3      4)  
(2      3)  
(1    {3/4}) — 1 — {2/3} — 1 — {4}  
1      2      3      4      3      2

64

$(\frac{2}{4}) \frac{3}{2} 1 \frac{4}{3} 3 \frac{2}{3} 1 \frac{2/3}{4} 3 \frac{4}{3} 2 1$

3 1 2 3 4 3 2 1

65

$(\frac{1}{2} \frac{2}{3} \frac{4}{3}) \frac{3}{2} 1 \frac{4}{3} 3 \frac{2}{3} 1 \frac{2/3}{4} 3 \frac{4}{3} 2 1 \frac{3/4}{3}$

2 3 1 2 3 4 3 2 1 3

66

$(\frac{2}{3} \frac{4}{3} \frac{1}{2} \frac{3}{2}) \frac{2}{3} 1 \frac{4}{3} 3 \frac{2}{3} 1 \frac{2/3}{4} 3 \frac{4}{3} 2 1 \frac{3/4}{3} 3 2$

1 2 3 1 2 3 4 3 2 1 3 2

67

( $\frac{3}{2}$   $\frac{4}{3}$ ) 1 { $\frac{2}{3}$ }  $\frac{3}{2}$  { $\frac{4}{3}$ } 1 { $\frac{2}{3}$ }  $\frac{3}{2}$  — { $\frac{2}{3}$ } 1 { $\frac{4}{3}$ }  $\frac{3}{2}$  { $\frac{2}{3}$ } 1 { $\frac{4}{3}$ }   
 (2) (3) (4) 1 {3} {2} {3} 1 {2} 3 — 4 3 2 1 3 2 1

2 1 2 3 1 2 3 4 3 2 1 3 2 1

Musical score for piano, page 10, measures 69-70. The score consists of two staves. The top staff is treble clef and the bottom staff is bass clef. Measure 69 starts with a forte dynamic. The right hand plays a sixteenth-note pattern of alternating sharp and double sharp notes. The left hand provides harmonic support. Measure 70 begins with a half note in the bass clef staff. The right hand continues its sixteenth-note pattern. The score includes complex rhythmic notation with various note heads and stems, and a detailed note head chart below the staff.

70

$\left\{ \begin{matrix} 3 \\ 1 \end{matrix} \right\}$   $\left\{ \begin{matrix} 4 \\ 2 - 3 \end{matrix} \right\}$   $\left\{ \begin{matrix} 3 \\ 2 \end{matrix} \right\}$   $\left\{ \begin{matrix} 4 \\ 3 - 4 \end{matrix} \right\}$   $\left\{ \begin{matrix} 2 \\ 3 \end{matrix} \right\}$   $\left\{ \begin{matrix} 4 \\ 2 \end{matrix} \right\}$   $\left\{ \begin{matrix} 3 \\ 2 \end{matrix} \right\}$   $\left\{ \begin{matrix} 2 \\ 3 \end{matrix} \right\}$   $\left\{ \begin{matrix} 3 \\ 2 \end{matrix} \right\}$   $\left\{ \begin{matrix} 2 \\ 3 \end{matrix} \right\}$   $\left\{ \begin{matrix} 3 \\ 2 \end{matrix} \right\}$   $\left\{ \begin{matrix} 4 \\ 3 - 2 \end{matrix} \right\}$   $\left\{ \begin{matrix} 3 \\ 2 \end{matrix} \right\}$   $\left\{ \begin{matrix} 4 \\ 3 - 2 \end{matrix} \right\}$   $\left\{ \begin{matrix} 3 \\ 2 \end{matrix} \right\}$   $\left\{ \begin{matrix} 4 \\ 3 - 2 \end{matrix} \right\}$   $\left\{ \begin{matrix} 3 \\ 2 \end{matrix} \right\}$

2 3 1 2 1 2 3 1 2 3 4 3 2 1 3 2 1 2 1 3

71

(2/3)/4 { 1 3 } 4 } 1 { 3 4 } 1 { 2/3 } 3 { 4 } 1 { 3/2 } 3 { 4 } 1 { 2/3 } 1 { 4 3 } 3 { 2 } 1 { 3/2 } 1 { 2/3 } 1 { 4 3 } 1 { 3/2 } 3 { 2 }

1 2 3 1 2 1 2 3 1 2 3 4 3 2 1 3 2 1 2 1 3 2

## 1.7. Si.

73

$(\begin{matrix} 4 & 5/1 \\ 3 & 4/1 \\ 2 & 3/1 \end{matrix})$

4      5/1

74

$(\begin{matrix} 1/3 & 4 & 5/1 & 4 \\ 2 & 3 & 4/1 & 3 \\ 1 & 2 & 3/1 & 2 \end{matrix})$

3      4      5/1      4

75

$(\begin{matrix} 2 & 3 & 4 & 5/1 & 4 & 3 \\ 4 & 3 & 2 & 3/1 & 2 & 1 \end{matrix})$

2      3      4      5/1      4      3

76

$(1) \{2\} 3-4 \quad 1 \{3\} 2 \quad 5/4 \quad 4-3 \quad 1 \{3\} 2$

$(2) \{3\} 3-4 \quad 1 \{3\} 2 \quad 5/4 \quad 4-3 \quad 1 \{3\} 2$

1 2 3 4 5/4 4 3 2

77

$(3) \{2\} 3-4 \quad 1 \{3\} 2 \quad 5/4 \quad 4-3 \quad 1 \{3\} 2$

$(2) \{3\} 3-4 \quad 1 \{3\} 2 \quad 5/4 \quad 4-3 \quad 1 \{3\} 2$

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

78

$(2) \{3\} 1 \{2\} 3-4 \quad 1 \{3\} 2 \quad 5/4 \quad 4-3 \quad 1 \{3\} 2$

$(1) \{3/4\} 3-4 \quad 1 \{3\} 2 \quad 5/4 \quad 4-3 \quad 1 \{3\} 2$

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

79

(2- {3 4} 1 {3/4} 1 {3-4} 1 {3 2} 3-4 5/1 4-3 1 {3 2} 1 {3 2} 1 {3/4} 1  
1 2 3 1 2 3 4 5/1 4 3 2 1 3 2

80

(2/3/4 1 {3 4} 1 {3/4} 1 {3-4} 1 {3 2} 3-4 5/1 4-3 1 {3 2} 1 {3 2} 1 {3/4} 1 {4}  
2 1 2 3 1 2 3 4 5/1 4 3 2 1 3 2 1

81

(1/3- {4} 1 {3 4} 1 {3/4} 1 {3-4} 1 {3 2} 3-4 5/1 4-3 1 {3 2} 1 {3 2} 1 {3/4} 1 {4}  
1 2 1 2 3 1 2 3 4 5/1 4 3 2 1 3 2 1 2

82

(2  
4)  
(3  
2)  
(2  
2)  
3 1 2 1 2 3 1 2 3 4 5/1 4 3 2 1 3 2 1 2 1

(3  
2)  
(1  
2)  
(2  
3)  
(1  
2)  
2 3 1 2 1 2 3 1 2 3 4 5/1 4 3 2 1 3 2 1 2 1 3

83

(1  
3)  
(2  
3)  
(1  
2)  
3 1 2 1 2 3 1 2 3 4 5/1 4 3 2 1 3 2 1 2 1 3

(2  
3)  
(1  
2)  
(2  
3)  
(1  
2)  
2 3 1 2 1 2 3 1 2 3 4 5/1 4 3 2 1 3 2 1 2 1 3

84

(2/3/4 1  
1/2 3)  
(2/3/4 1  
1/2)  
(2/3/4 1  
1/2)  
3 1 2 3 1 2 3 1 2 3 4 5/1 4 3 2 1 3 2 1 2 1 3 2

(2/3/4 1  
1/2 3)  
(2/3/4 1  
1/2)  
(2/3/4 1  
1/2)  
1 2 3 1 2 3 1 2 3 4 5/1 4 3 2 1 3 2 1 2 1 3 2

## 1.8. Do.

85

(4    5/1)  
 (3    4/1)  
 (2    3/1)  
 (1    2/3/4)

1      2

86

(4    1    2/3/4    1)  
 (3    {4    5/1    4}  
 (2    {1    2/3/4    1)  
 {3    4/1    3})

4    1    2    1

87

(1/3    4    1    2/3/4    1    4)  
 (1/2    3    {4    5/1    4}    3)  
 (1    2    {1    2/3/4    1}    2)  
 {3    3/1    4/1    3}    2)

3    4    1    2    1    4

88

$(2\overline{3})$  1  $\left\{ \begin{matrix} 3 \\ 4 \\ 2 \end{matrix} \right\}$  4  $\left\{ \begin{matrix} 4 \\ 5/4 \\ 2\overline{3}4 \\ 3 \end{matrix} \right\}$  1  $\left\{ \begin{matrix} 4 \\ 4 \\ 3 \\ 4/1 \\ 2\overline{3}4 \\ 1 \end{matrix} \right\}$  3) 4)

2 3 4 1 2 1 4 3

89

$(1\overline{2})$  3  $\left\{ \begin{matrix} 2 \\ 3 \\ 4 \end{matrix} \right\}$  4  $\left\{ \begin{matrix} 3 \\ 4 \\ 2 \\ 3 \end{matrix} \right\}$  1  $\left\{ \begin{matrix} 4 \\ 5/4 \\ 2\overline{3}4 \\ 3 \end{matrix} \right\}$  1  $\left\{ \begin{matrix} 4 \\ 4 \\ 3 \\ 4/1 \\ 2\overline{3}4 \\ 1 \end{matrix} \right\}$  3) 2) 1  $\left\{ \begin{matrix} 3 \\ 4 \\ 3 \end{matrix} \right\}$

1 2 3 4 1 2 1 4 3 2

90

$(4\overline{3})$  1  $\left\{ \begin{matrix} 2 \\ 3 \\ 4 \end{matrix} \right\}$  3  $\left\{ \begin{matrix} 3 \\ 4 \\ 2 \\ 3 \end{matrix} \right\}$  4  $\left\{ \begin{matrix} 4 \\ 5/4 \\ 2\overline{3}4 \\ 3 \end{matrix} \right\}$  1  $\left\{ \begin{matrix} 4 \\ 4 \\ 3 \\ 4/1 \\ 2\overline{3}4 \\ 1 \end{matrix} \right\}$  3) 2) 1  $\left\{ \begin{matrix} 3 \\ 4 \\ 3 \end{matrix} \right\}$

3 1 2 3 4 1 2 1 4 3 2 1

91

( $\frac{3}{2}$  {  $\frac{4}{3}$  } 1 {  $\frac{2}{3}$  } 3 {  $\frac{4}{3}$  } 1 {  $\frac{2}{3} \frac{4}{3}$  } {  $\frac{1}{4}$  } 3 {  $\frac{4}{3}$  } 1 {  $\frac{2}{3} \frac{4}{3}$  } {  $\frac{1}{4}$  } 3 {  $\frac{4}{3}$  } 1 {  $\frac{2}{3} \frac{4}{3}$  } {  $\frac{1}{4}$  } 3 )

2 3 1 2 3 4 1 2 1 4 3 2 1 3

92

( $\frac{2}{1}$  {  $\frac{3}{2}$  {  $\frac{4}{3}$  } } 1 {  $\frac{2}{3}$  } 3 {  $\frac{4}{3}$  } 1 {  $\frac{2}{3} \frac{4}{3}$  } {  $\frac{1}{4}$  } 3 {  $\frac{4}{3}$  } 1 {  $\frac{2}{3} \frac{4}{3}$  } {  $\frac{1}{4}$  } 3 {  $\frac{4}{3}$  } 1 {  $\frac{2}{3} \frac{4}{3}$  } {  $\frac{1}{4}$  } 3 )

1 2 3 1 2 3 4 1 2 1 4 3 2 1 3 2

93

( $\frac{4}{2}$  { 1 {  $\frac{3}{2}$  {  $\frac{4}{3}$  } } 1 {  $\frac{2}{3}$  } 3 {  $\frac{4}{3}$  } 1 {  $\frac{2}{3} \frac{4}{3}$  } {  $\frac{1}{4}$  } 3 {  $\frac{4}{3}$  } 1 {  $\frac{2}{3} \frac{4}{3}$  } {  $\frac{1}{4}$  } 3 {  $\frac{4}{3}$  } 1 {  $\frac{2}{3} \frac{4}{3}$  } {  $\frac{1}{4}$  } 3 )

2 1 2 3 1 2 3 4 1 2 1 4 3 2 1 3 2 1

94

$\left\{ \begin{array}{l} (3-4) (1-2) 1 \{3 4\} 1 \{2 3\} 1 \{2-3\} 3-4 \\ (2-3) 3-4 1 \{3/4\} 3-4 1 \{3/4\} 3-4 1 \{3 4\} 1 \{2 3\} 1 \{4-3\} \end{array} \right.$

1 2 1 2 3 1 2 3 4 1 2 1 4 3 2 1 3 2 1 2

95

$\left\{ \begin{array}{l} (2-3) 3-4 1 \{3 4\} 1 \{2 3\} 1 \{2-3\} 3-4 \\ 1 \{3/4\} 3-4 1 \{3/4\} 3-4 1 \{3 4\} 1 \{2 3\} 1 \{4-3\} 3 \end{array} \right.$

3 1 2 1 2 3 1 2 3 4 1 2 1 4 3 2 1 3 2 1 2 1

96

$\left\{ \begin{array}{l} (1/3 2/4) 3-4 1 \{3 4\} 1 \{2 3\} 1 \{2-3\} 3-4 \\ 1 \{3/4\} 3-4 1 \{3/4\} 3-4 1 \{3 4\} 1 \{2 3\} 1 \{4-3\} 3 \end{array} \right.$

2 3 1 2 1 2 3 1 2 3 4 1 2 1 4 3 2 1 3 2 1 2 1 3

## 1.9. Re bemol.

97

(1/3 4)  
(1/2 3)  
(1 2)

2 3

98

(2 - 3 4 3)  
(2/3/4 1 2/3/4 1)

1 2 3 2

99

(3 4)  
(2 3)  
(3 2)  
(4 1)

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

4 1 2 3 2 1

100

$(2 - \frac{3}{2} - \frac{4}{3})$  1       $\frac{2}{3}/4$  1       $\frac{4}{3} - \frac{3}{2}$   
 $(1 \left\{ \frac{3}{2} \right\})$  1       $\frac{3}{2}$        $\frac{4}{3} \left\{ \frac{3}{2} \right\}$  1       $\left\{ \frac{3}{2} \right\} (4)$   
 3      4      1      2      3      2      1      4

101

$\frac{4}{3}$  1       $\frac{3}{2} - \frac{4}{3}$  1       $\frac{2}{3}/4$  1       $\frac{4}{3} - \frac{3}{2}$  1  
 $(2 \left\{ \frac{3}{2} \right\})$  3       $\frac{3}{2} - \frac{4}{3}$  1       $\frac{3}{2}$        $\frac{4}{3} \left\{ \frac{3}{2} \right\}$  1       $\left\{ \frac{3}{2} \right\} 3$   
 2      3      4      1      2      3      2      1      4      3

102

$\frac{3}{2} \frac{4}{3}$  1       $\frac{3}{2} - \frac{4}{3}$  1       $\frac{2}{3}/4$  1       $\frac{4}{3} - \frac{3}{2}$  1       $\frac{4}{3}$   
 $(1 \left\{ \frac{3}{2} \right\})$  2       $\frac{3}{2} - \frac{4}{3}$  1       $\frac{3}{2}$        $\frac{4}{3} \left\{ \frac{3}{2} \right\}$  1       $\left\{ \frac{3}{2} \right\} 3$   
 1      2      3      4      1      2      3      2      1      4      3      2



106

( $\frac{3}{2}$  -  $\frac{4}{3}$ ) 1 { $\frac{2}{3}/\frac{4}{3}$ } 3- $\frac{4}{3}$  1 { $\frac{3}{2}$ } 1 { $\frac{3}{2}$ - $\frac{3}{3}$ } 1 { $\frac{3}{2}$ } 1 { $\frac{3}{2}$ - $\frac{3}{4}$ } 1 { $\frac{3}{2}$ } 2/3/4 1 { $\frac{4}{3}$ - $\frac{3}{2}$ } 1 { $\frac{3}{2}$ } 1 { $\frac{4}{3}$ - $\frac{3}{2}$ } 1 { $\frac{3}{2}$ - $\frac{3}{4}$ } 1 { $\frac{3}{2}$ - $\frac{3}{4}$ } 1 { $\frac{3}{2}$ })

2 1 2 3 1 2 3 4 1 2 3 2 1 4 3 2 1 3 2 1

107

( $\frac{1}{2}$  -  $\frac{3}{4}$ ) 1 { $\frac{2}{3}/\frac{4}{3}$ } 3- $\frac{4}{3}$  1 { $\frac{3}{2}$ } 1 { $\frac{3}{2}$ - $\frac{3}{3}$ } 1 { $\frac{3}{2}$ } 1 { $\frac{3}{2}$ - $\frac{3}{4}$ } 1 { $\frac{3}{2}$ } 2/3/4 1 { $\frac{4}{3}$ - $\frac{3}{2}$ } 1 { $\frac{3}{2}$ } 1 { $\frac{4}{3}$ - $\frac{3}{2}$ } 1 { $\frac{3}{2}$ - $\frac{3}{4}$ } 1 { $\frac{3}{2}$ - $\frac{3}{4}$ } 1 { $\frac{3}{2}$ })

1 2 1 2 3 1 2 3 4 1 2 3 2 1 4 3 2 1 3 2 1

108

( $\frac{2}{3}/\frac{4}{3}$ ) 1 { $\frac{3}{2}$ - $\frac{3}{3}$ } 3- $\frac{4}{3}$  1 { $\frac{2}{3}/\frac{4}{3}$ } 1 { $\frac{3}{2}$ } 1 { $\frac{3}{2}$ - $\frac{3}{3}$ } 1 { $\frac{3}{2}$ } 1 { $\frac{3}{2}$ - $\frac{3}{4}$ } 1 { $\frac{3}{2}$ } 2/3/4 1 { $\frac{4}{3}$ - $\frac{3}{2}$ } 1 { $\frac{3}{2}$ } 1 { $\frac{4}{3}$ - $\frac{3}{2}$ } 1 { $\frac{3}{2}$ - $\frac{3}{4}$ } 1 { $\frac{3}{2}$ - $\frac{3}{4}$ } 1 { $\frac{3}{2}$ })

3 1 2 1 2 3 1 2 3 4 1 2 3 2 1 4 3 2 1 3 2 1

## 1.10. Re.

109

$(\begin{matrix} 4 \\ 3 \\ 2 \end{matrix} \quad \begin{matrix} 5/1 \\ 4/1 \\ 3/1 \end{matrix})$

**3      4/1**

110

$(\begin{matrix} 1/3 \\ 2 \end{matrix} \quad \begin{matrix} 4 \\ 3 \end{matrix} \quad \begin{matrix} 5/1 \\ 4/1 \end{matrix} \quad \begin{matrix} 4 \\ 3 \end{matrix})$

**2      3      4/1      3**

III

$\left\{ \begin{matrix} 4 \\ 3 \end{matrix} \right\} \quad 1 \quad \left\{ \begin{matrix} 4 \\ 3 \\ 2 \\ 3 \end{matrix} \quad \begin{matrix} 5/1 \\ 4/1 \\ 3/1 \\ 5/1 \end{matrix} \quad \left\{ \begin{matrix} 4 \\ 3 \\ 2 \end{matrix} \right\} \quad 1 \right\}$

**1      2      3      4/1      3      2**

*II2*

(3 4)  
1 {3 2  
4/1 3  
(2 3)  
(3 4)  
1 {3 2  
3/1 2  
5/1 4  
4/1 3  
3 2  
4

4 1 2 3 4/1 3 2 1

*II3*

(2 3 4)  
1 {3 2  
3/1 2  
(1 2 3)  
(3 4)  
1 {3 2  
5/1 4  
4/1 3  
3 2  
4

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

*II4*

(4 3)  
1 {3 2  
3/1 2  
(2 3 4)  
(3 4)  
1 {3 2  
5/1 4  
4/1 3  
3 2  
4

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

115

$(\frac{1}{3} \{ 2 \} 3) 1 \left\{ \begin{matrix} 3 \\ 2 \end{matrix} \right\} 3 \{ 2 \} 1 \left\{ \begin{matrix} 3 \\ 2 \end{matrix} \right\} 3 \{ 4 \} 4/1 3 \{ 2 \} 1 \left\{ \begin{matrix} 3 \\ 2 \end{matrix} \right\} 3 \{ 2 \} 1 \left\{ \begin{matrix} 3 \\ 2 \end{matrix} \right\} 3 \{ 4 \}$

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

116

$(\frac{2}{3/4} \{ 3 \} 4) 1 \left\{ \begin{matrix} 3 \\ 2 \end{matrix} \right\} 3 \{ 2 \} 1 \left\{ \begin{matrix} 3 \\ 2 \end{matrix} \right\} 3 \{ 4 \} 4/1 3 \{ 2 \} 1 \left\{ \begin{matrix} 3 \\ 2 \end{matrix} \right\} 3 \{ 2 \} 1 \left\{ \begin{matrix} 3 \\ 2 \end{matrix} \right\} 3 \{ 4 \}$

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

117

$(\frac{1}{3} \{ 2 \} 3 \{ 4 \} 2) 1 \left\{ \begin{matrix} 3 \\ 2 \end{matrix} \right\} 3 \{ 2 \} 1 \left\{ \begin{matrix} 3 \\ 2 \end{matrix} \right\} 3 \{ 4 \} 4/1 3 \{ 2 \} 1 \left\{ \begin{matrix} 3 \\ 2 \end{matrix} \right\} 3 \{ 2 \} 1 \left\{ \begin{matrix} 3 \\ 2 \end{matrix} \right\} 3 \{ 4 \}$

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

118

$\left\{ \begin{array}{c} (4) \\ (3) \end{array} \right\}$  1 2 3  
 $\left\{ \begin{array}{c} (4) \\ (1) \end{array} \right\}$  3-4  
 $\left\{ \begin{array}{c} (4) \\ (3) \end{array} \right\}$  1 {2} 4  
 $\left\{ \begin{array}{c} (4) \\ (1) \end{array} \right\}$  2-3  
1 {3} 4  
3 {2} 4  
1 {2} 3  
4 1 2 3  
4/1 3 2 1 4 3 2 1 3 2

$\left\{ \begin{array}{c} (4) \\ (3) \end{array} \right\}$  1 2 3  
 $\left\{ \begin{array}{c} (4) \\ (1) \end{array} \right\}$  3-4  
 $\left\{ \begin{array}{c} (4) \\ (3) \end{array} \right\}$  1 {2} 4  
 $\left\{ \begin{array}{c} (4) \\ (1) \end{array} \right\}$  2-3  
3 {3} 4  
1 {2} 3  
4 1 2 3  
4/1 3 2 1 4 3 2 1 3 2

119

$\left\{ \begin{array}{c} (3) \\ (2) \end{array} \right\}$  1 2 3  
 $\left\{ \begin{array}{c} (3) \\ (2/3) \end{array} \right\}$  4 3  
 $\left\{ \begin{array}{c} (3) \\ (2) \end{array} \right\}$  1 {2} 4  
 $\left\{ \begin{array}{c} (3) \\ (2) \end{array} \right\}$  2-3  
1 {3} 4  
3 {2} 4  
1 {2} 3  
4 1 2 3  
4/1 3 2 1 4 3 2 1 3 2 1

$\left\{ \begin{array}{c} (3) \\ (2) \end{array} \right\}$  1 2 3  
 $\left\{ \begin{array}{c} (3) \\ (2) \end{array} \right\}$  4 3  
 $\left\{ \begin{array}{c} (3) \\ (2) \end{array} \right\}$  1 {2} 4  
 $\left\{ \begin{array}{c} (3) \\ (2) \end{array} \right\}$  2-3  
3 {3} 4  
1 {2} 3  
4 1 2 3  
4/1 3 2 1 4 3 2 1 3 2 1

120

$\left\{ \begin{array}{c} (2-3) \\ (1) \end{array} \right\}$  4 3  
 $\left\{ \begin{array}{c} (2-3) \\ (1) \end{array} \right\}$  1 3-4  
 $\left\{ \begin{array}{c} (2-3) \\ (1) \end{array} \right\}$  2 {3} 4  
 $\left\{ \begin{array}{c} (2-3) \\ (1) \end{array} \right\}$  3 {2} 4  
 $\left\{ \begin{array}{c} (2-3) \\ (1) \end{array} \right\}$  1 2-3  
1 {3} 4  
3 {2} 4  
1 {2} 3  
4 1 2 3  
4/1 3 2 1 4 3 2 1 3 2 1

$\left\{ \begin{array}{c} (2-3) \\ (1) \end{array} \right\}$  4 3  
 $\left\{ \begin{array}{c} (2-3) \\ (1) \end{array} \right\}$  1 3-4  
 $\left\{ \begin{array}{c} (2-3) \\ (1) \end{array} \right\}$  2 {3} 4  
 $\left\{ \begin{array}{c} (2-3) \\ (1) \end{array} \right\}$  3 {2} 4  
 $\left\{ \begin{array}{c} (2-3) \\ (1) \end{array} \right\}$  1 2-3  
3 {3} 4  
1 {2} 3  
4 1 2 3  
4/1 3 2 1 4 3 2 1 3 2 1

## 1.11. Mi bemol.

121

(1/3      4)  
 (1/2      3)  
 (1      2)  
 1      2

122

(4)      1      2/3/4      1  
 (2/3/4)      3      4      3  
 1      2      3

123

(3      4)      1      {2/3}      1      {4/3}      1  
 (2      3)      3      4      3      2  
 2      3      1      2      1      3

124

(2/3/4 1 {3/2} 1 3      2/3/4 1 {3/2} 1)  
 $\frac{2}{1} \overbrace{\frac{3}{2} \frac{4}{3}}^1 1 \quad \frac{2}{3/4} 1 \{3/2\} 1$   
 1 2 3 1      2 1 3 2

125

(3/2 {3/4} 1 {3/2} 1 3      2/3/4 1 {3/2} 1 {3})  
 $\frac{3}{4} \overbrace{\frac{3}{2} \frac{4}{3}}^1 1 \quad \frac{2}{3/4} 1 \{3/2\} 1$   
 4 1 2 3 1      2 1 3 2 1

126

(2/1 {3/2} {3/4} 1 {3/2} 1 3      2/3/4 1 {3/2} 1 {3-2})  
 $\frac{1}{2} \overbrace{\frac{3}{2} \frac{4}{3}}^1 1 \quad \frac{2}{3/4} 1 \{3/2\} 1 \{3\}$   
 3 4 1 2 3 1      2 1 3 2 1 4

127

The musical score consists of two staves. The top staff uses a treble clef and has a key signature of one sharp. The bottom staff uses a bass clef. Both staves have a common time signature. The music features a series of eighth and sixteenth note patterns. Below the staves, there are two rows of mathematical diagrams and corresponding numerical sequences. The first row of diagrams shows various groupings of numbers 1 through 4, such as  $\left\{ \begin{smallmatrix} 4 \\ 3 \end{smallmatrix} \right\}$ ,  $\left\{ \begin{smallmatrix} 3 \\ 2 \end{smallmatrix} \right\}$ ,  $\left\{ \begin{smallmatrix} 4 \\ 3 \\ 2 \end{smallmatrix} \right\}$ , etc., with arrows indicating specific notes. The second row shows the corresponding sequence of numbers: 2, 3, 4, 1, 2, 3, 1, followed by 2, 1, 3, 2, 1, 4, 3.

128

(1/3 - 4/2) 1 { 3/2 - 4/3 } 1      { 3/2 - 4/3 } 1 { 3/2 - 4/3 } 1      2/3/4 1 { 4/3 - 3/2 } 1      { 4/3 - 3/2 } 1 { 3/2 - 4/3 } 1 { 3/2 - 4/3 } 1

1 2 3 4 1 2 3 1      2 1 3 2 1 4 3 2

130

$\left\{ \begin{matrix} 1 \\ 2 \end{matrix} \right\} \over 4$     $3 \over 4$     $1 \left\{ \begin{matrix} 3 \\ 2 \end{matrix} \right\}$     $1 \left\{ \begin{matrix} 4 \\ 3 \end{matrix} \right\}$     $1 \left\{ \begin{matrix} 4 \\ 3 \end{matrix} \right\} \over 3$     $2/3/4 \quad 1 \left\{ \begin{matrix} 4 \\ 3 \end{matrix} \right\}$     $1 \left\{ \begin{matrix} 4 \\ 3 \end{matrix} \right\} \over 3$     $1 \left\{ \begin{matrix} 4 \\ 3 \end{matrix} \right\} \over 2$   
 2   3   1   2   3   4   1   2   3   1   2/3/4   1   4   3   2   1   4   3   2   1   3

131

$(2/3/4 \quad 1 \over 2) \over 4$     $3 \over 4$     $1 \left\{ \begin{matrix} 3 \\ 2 \end{matrix} \right\}$     $1 \left\{ \begin{matrix} 4 \\ 3 \end{matrix} \right\}$     $1 \left\{ \begin{matrix} 4 \\ 3 \end{matrix} \right\} \over 3$     $2/3/4 \quad 1 \left\{ \begin{matrix} 4 \\ 3 \end{matrix} \right\}$     $1 \left\{ \begin{matrix} 4 \\ 3 \end{matrix} \right\} \over 3$     $1 \left\{ \begin{matrix} 4 \\ 3 \end{matrix} \right\} \over 2$   
 1   2   3   1   2   3   4   1   2   3   1   2/3/4   1   4   3   2   1   3   2

132

$(3 \over 2 \quad 4 \over 3) \quad 1 \over 4$     $2 \over 4$     $3 \over 4$     $1 \left\{ \begin{matrix} 3 \\ 2 \end{matrix} \right\}$     $1 \left\{ \begin{matrix} 4 \\ 3 \end{matrix} \right\}$     $1 \left\{ \begin{matrix} 4 \\ 3 \end{matrix} \right\} \over 3$     $2/3/4 \quad 1 \left\{ \begin{matrix} 4 \\ 3 \end{matrix} \right\}$     $1 \left\{ \begin{matrix} 4 \\ 3 \end{matrix} \right\} \over 3$     $1 \left\{ \begin{matrix} 4 \\ 3 \end{matrix} \right\} \over 2$   
 3   2   4   1   2   3   1   2   3   4   1   2   3   1   2/3/4   1   4   3   2   1   3   2   1

## 1.12. Mi.

133

(4 5/1)  
(3 4/1)  
(2 3/1)  
2 3/1

134

(1/3 4 5/1 4)  
(2 3 4/1 3)  
(1 {2 3/1 2})  
1 2 3/1 2

135

(2 3 4 5/1 4 3)  
(1 2 3/1 2 3)  
(4 3 4/1 3 2) 1  
1 2 3/1 2 1

136

(1 {2 3} 3 {4 3} 5/4 4 {3 2} 3 {4 3})  
(2 {3 4} 3 {2 3} 2 {3 4} 3 {2 3})  
2 3 1 2 3/4 2 1 3

137

(2/3/4 1 {2 3} 3 {4 3} 5/4 4 {3 2} 3 {4 3} 1)  
(1 2 3 1 2 3/4 2 1 3 2

138

(3 {2 4} 1 {3 2} 3 {4 3} 5/4 4 {3 2} 3 {4 3} 1 {4 3})  
(4 1 2 3 1 2 3/4 2 1 3 2 1

139

$(2-3)$   $\{3-4\}$   $1 \{2/3\}$   $3-4$   $5/4$   $4-3$   $3-\{3/4\}$   $1 \{3-2\}$   
 $(1/2-3)$   $\{3-4\}$   $1 \{3-2\}$   $3-\{2\}$   $4/3$   $3-\{3/2\}$   $1 \{3-2\}$   $4-\{3\}$   
 $3$   $4$   $1$   $2$   $3$   $1$   $2$   $3/4$   $2$   $1$   $3$   $2$   $1$   $4$

140

$\{4\}$   $1 \{3-4\}$   $1 \{2/3\}$   $3-4$   $5/4$   $4-3$   $3-\{3/4\}$   $1 \{3-2\}$   $1 \{3-2\}$   
 $(2-3)$   $\{3-4\}$   $1 \{3-2\}$   $3-\{2\}$   $4/3$   $3-\{3/2\}$   $1 \{3-2\}$   $4-\{3\}$   
 $2$   $3$   $4$   $1$   $2$   $3$   $1$   $2$   $3/4$   $2$   $1$   $3$   $2$   $1$   $4$   $3$

141

$(4/3-4)$   $1 \{3-4\}$   $1 \{2/3\}$   $3-4$   $5/4$   $4-3$   $3-\{3/4\}$   $1 \{3-2\}$   $1 \{3-2\}$   
 $(1/2-3)$   $\{3-4\}$   $1 \{3-2\}$   $3-\{2\}$   $4/3$   $3-\{3/2\}$   $1 \{3-2\}$   $4-\{3\}$   
 $1$   $2$   $3$   $4$   $1$   $2$   $3$   $1$   $2$   $3/4$   $2$   $1$   $3$   $2$   $1$   $4$   $3$   $2$

142

$(2/3)4 \quad 3-4 \quad 1-\{2\} \quad 3-\{3\}$     $1-\{2\} \quad 3-\{3\}$     $1-\{3/4\} \quad 3-\{4\}$     $5/4 \quad 4-\{3/4\} \quad 1-\{3/4\}$     $1-\{3-\{2\}\} \quad 1-\{3-\{3\}\}$     $1-\{4-\{3\}\} \quad 1-\{4-\{2\}\}$

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

143

$\{1-2\} \quad 3-4 \quad 1-\{2\} \quad 3-\{3\}$     $1-\{2\} \quad 3-\{3\}$     $1-\{3/4\} \quad 3-\{4\}$     $5/4 \quad 4-\{3/4\} \quad 1-\{3/4\}$     $1-\{3-\{2\}\} \quad 1-\{3-\{3\}\}$     $1-\{4-\{3\}\} \quad 1-\{4-\{2\}\}$

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

144

$(2/3)4 \quad 2-\{4\} \quad 3-\{4\}$     $1-\{2\} \quad 3-\{3\}$     $1-\{2\} \quad 3-\{3\}$     $1-\{3/4\} \quad 3-\{4\}$     $5/4 \quad 4-\{3/4\} \quad 1-\{3/4\}$     $1-\{3-\{2\}\} \quad 1-\{3-\{3\}\}$     $1-\{4-\{3\}\} \quad 1-\{4-\{2\}\}$

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

2. Digitaciones básicas intercambiables en fragmentos de escalas cromáticas desde 2 hasta 9 notas con igual topografía del teclado.

2.1. Dos notas.

2.1.1. Tipo 1.

A musical staff with a treble clef and a bass clef. Above the staff, there is a vertical brace grouping the first three strings. Below the staff, there is another vertical brace grouping the bottom two strings. Two notes are shown: a bass note on the 3rd string and a treble note on the 4th string. The note on the 3rd string has a small circle below it. The note on the 4th string has a small circle above it. Below the staff, the fingerings are indicated as follows:  
Top string: 3 [2]  
Bottom string: 1 2

A musical staff with a treble clef and a bass clef. Above the staff, there is a vertical brace grouping the first three strings. Below the staff, there is another vertical brace grouping the bottom two strings. Two notes are shown: a bass note on the 3rd string and a treble note on the 4th string. The note on the 3rd string has a small circle below it. The note on the 4th string has a small circle above it. Below the staff, the fingerings are indicated as follows:  
Top string: 3 2 [1]  
Bottom string: 3 2

A musical staff with a treble clef and a bass clef. Above the staff, there is a vertical brace grouping the first three strings. Below the staff, there is another vertical brace grouping the bottom two strings. Two notes are shown: a bass note on the 3rd string and a treble note on the 4th string. The note on the 3rd string has a small circle below it. The note on the 4th string has a small circle above it. Below the staff, the fingerings are indicated as follows:  
Top string: [3] 2  
Bottom string: 3 2

4

3      4  
[2      3]  
1      2

5

3      4  
2      3  
[1      2]

2.1.2. Típo 2.

6

4      5/1  
[3      4/1]  
2      3/1

7

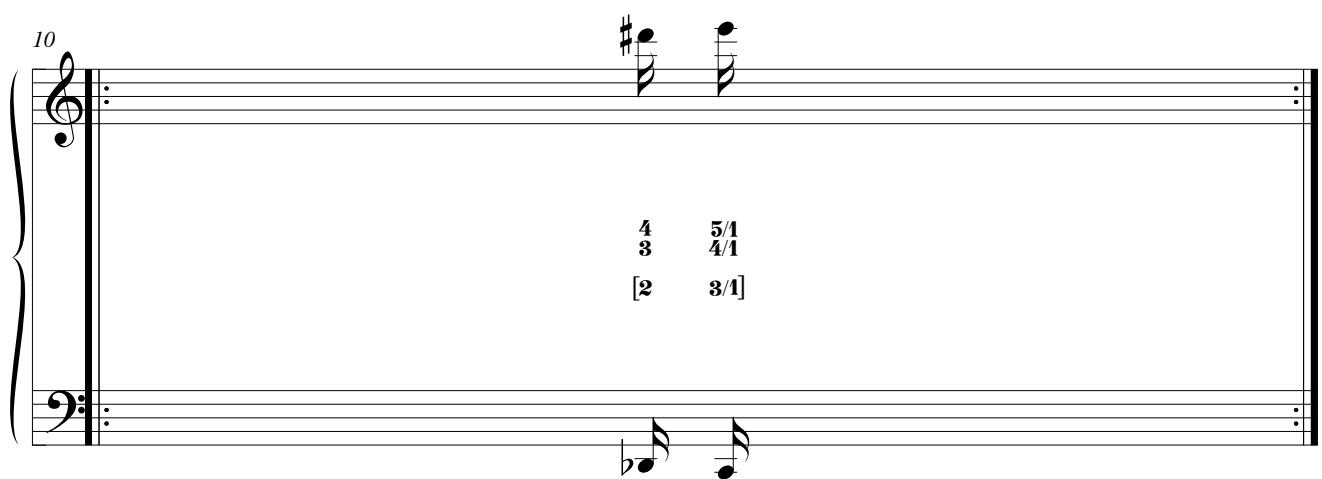
4      5/4  
3      4/4  
[2      3/4]

8

[4      5/4]  
3      4/4  
2      3/4

9

4      5/4  
[3      4/4]  
2      3/4



## 2.2. Tres notas.

### 2.2.1. Tipo 1.

**3    4    5/4   4**  
**[2    3    4/4   3]**  
**1    2    3/4   2**

2

**3    4    5/4   4**  
**[2    3    4/4   3]**  
**1    2    3/4   2**

3

**[3    4    5/4   4]**  
**[2    3    4/4   3]**  
**1    2    3/4   2**

4

3 4 5/4 4  
[2 3 4/1 3]  
1 2 3/1 2

5

3 4 5/4 4  
[2 3 4/1 3]  
1 2 3/1 2

6 2.2.2. Típo 2.

[3 1 2 4]  
[2 3 4 3]

7

**3 1      2 1**  
[**2 3      4 3**]

8

**[3 1      2 1]**  
**2 3      4 3**

9      2.2.3. Típo 3.

**4 1      2 1**  
[**2 1      2 1**]

10

[**4**    **1**    **2**    **1**]  
[**2**    **1**    **2**    **1**]

## 2.3. Cuatro notas.

### 2.3.1. Tipo 1.

[2 3 1 2 1 3]  
[1 2 3 4 3 2]

[2 3 1 2 1 3]  
[1 2 3 4 3 2]

[2 3 1 2 1 3]  
[1 2 3 4 3 2]

## 2.3.2. Típo 2.

4

3 4 1 2 1 4  
[1 2 1 2 1 2]

5

[3 4 1 2 1 4]  
1 2 1 2 1 2

## 2.3.3. Típo 3.

6

[3 1 2 3/1 2 1]  
2 3 4 5/1 4 3

7

3 1 2      3/1 2 1  
[2 3 4 5/1 4 3]

8

[3 1 2 3/1 2 1]  
[2 3 4 5/1 4 3]

9 2.3.4. Tipo 4.

4 1 2      3 2 1  
[2 1 2 3 2 1]

10

[**4 1 2 3 2 1**  
**2 1 2 3 2 1**]

## 2.4. Cinco notas.

### 2.4.1. Tipo 1.

2.4.1.1

[2 3 1 2 3/1 2 1 3]  
[1 2 3 4 5/1 4 3 2]

2.4.1.2

[2 3 1 2 3/1 2 1 3]  
[1 2 3 4 5/1 4 3 2]

2.4.1.3

[2 3 1 2 3/1 2 1 3]  
[1 2 3 4 5/1 4 3 2]

## 2.4.2. Tipo 2.

4

3 4 1 2      3 2 1 4  
[1 2 1 2      3 2 1 2]

5

[3 4 1 2      3 2 1 4]  
1 2 1 2      3 2 1 2

## 2.4.3. Tipo 3.

6

[3 1 2 4      2 1 2 1]  
2 3 4 1      2 1 4 3

7

3 1 2 4 2 1 2 1  
 [2 3 4 1 2 1 4 3]

8 2.4.4. Tipo 4.

4 1 2 3 4/1 3 2 1  
 [2 1 2 3 4/1 3 2 1]

9

[4 1 2 3 4/1 3 2 1]  
 2 1 2 3 4/1 3 2 1

## 2.5. Seis notas.

### 2.5.1. Tipo 1.

[2 3 1 2 1 2 1 2 1 3]  
[1 2 3 4 1 2 1 4 3 2]

[2 3 1 2 1 2 1 2 1 3]  
[1 2 3 4 1 2 1 4 3 2]

### 2.5.2. Tipo 2.

[3 4 1 2 3 4/1 3 2 1 4]  
[1 2 1 2 3 4/1 3 2 1 2]

4

[3 4 1 2 3 4/1 3 2 1 4]  
1 2 1 2 3 4/1 3 2 1 2

5 2.5.3. Tipo 3.

[3 1 2 1 2 3 2 1 2 1]  
2 3 4 1 2 3 2 1 4 3

6

3 1 2 1 2 3 2 1 2 1  
[2 3 4 1 2 3 2 1 4 3]

## 2.5.4. Tipo 4.

7

4 1 2 3 1 2 1 3 2 1  
[2 1 2 3 1 2 1 3 2 1]

8

[4 1 2 3 1 2 1 3 2 1]  
[2 1 2 3 1 2 1 3 2 1]

## 2.6. Siete notas.

### 2.6.1. Tipo 1.

Musical score for Type 1, Staff 1. Treble clef, key signature of one sharp, common time. The melody consists of eighth-note patterns. The first measure shows a descending eighth-note scale from G# to C. The second measure shows a descending eighth-note scale from D to G. The third measure shows a descending eighth-note scale from A to D. The fourth measure shows a descending eighth-note scale from E to A. The fifth measure shows a descending eighth-note scale from B to E. The sixth measure shows a descending eighth-note scale from F# to B. The seventh measure shows a descending eighth-note scale from C to F#.

[2 3 1 2 1 2 3 2 1 2 1 3]  
[1 2 3 4 1 2 3 2 1 4 3 2]

Musical score for Type 1, Staff 2. Treble clef, key signature of one sharp, common time. The melody consists of eighth-note patterns. The first measure shows a descending eighth-note scale from G# to C. The second measure shows a descending eighth-note scale from D to G. The third measure shows a descending eighth-note scale from A to D. The fourth measure shows a descending eighth-note scale from E to A. The fifth measure shows a descending eighth-note scale from B to E. The sixth measure shows a descending eighth-note scale from F# to B. The seventh measure shows a descending eighth-note scale from C to F#.

2 [2 3 1 2 1 2 3 2 1 2 1 3]  
[1 2 3 4 1 2 3 2 1 4 3 2]

### 2.6.2. Tipo 2.

Musical score for Type 2, Staff 1. Treble clef, key signature of one sharp, common time. The melody consists of eighth-note patterns. The first measure shows a descending eighth-note scale from G# to C. The second measure shows a descending eighth-note scale from D to G. The third measure shows a descending eighth-note scale from A to D. The fourth measure shows a descending eighth-note scale from E to A. The fifth measure shows a descending eighth-note scale from B to E. The sixth measure shows a descending eighth-note scale from F# to B. The seventh measure shows a descending eighth-note scale from C to F#.

3 [3 4 1 2 3 1 2 1 3 2 1 4]  
[1 2 1 2 3 1 2 1 3 2 1 2]

4

[3 4 1 2 3 1 2 1 3 2 1 4]  
1 2 1 2 3 1 2 1 3 2 1 2

2.6.3. Tipo 3.

5

[3 1 2 1 2 3 4/1 3 2 1 2 1]  
2 3 4 1 2 3 4/1 3 2 1 4 3

6

3 1 2 1 2 3 4/1 3 2 1 2 1  
[2 3 4 1 2 3 4/1 3 2 1 4 3]

7

4 1 2 3 1 2 3/1 2 1 3 2 1  
[2 1 2 3 1 2 3/1 2 1 3 2 1]

8

[4 1 2 3 1 2 3/1 2 1 3 2 1]  
[2 1 2 3 1 2 3/1 2 1 3 2 1]

## 2.7. Ocho notas.

### 2.7.1. Tipo 1.

[2 3 1 2 1 2 3      4/1 3 2 1 2 1 3]  
1 2 3 4 1 2 3      4/1 3 2 1 4 3 2

2 3 1 2 1 2 3      4/1 3 2 1 2 1 3  
[1 2 3 4 1 2 3      4/1 3 2 1 4 3 2]

### 2.7.2. Tipo 2.

[3 1 2 1 2 3 1      2 1 3 2 1 2 1]  
2 3 4 1 2 3 1      2 1 3 2 1 4 3

4

3 1 2 1 2 3 1      2 1 3 2 1 2 1  
[2 3 4 1 2 3 1]      2 1 3 2 1 4 3

1 2 3 4 5 6 7      1 2 3 4 5 6 7  
[1 2 3 4 5 6 7]      1 2 3 4 5 6 7

## 2.8. Nueve notas.

### 2.8.1. Tipo 1.

[2 3 1 2 1 2 3 1 2 1 3 2 1 2 1 3]  
[1 2 3 4 1 2 3 1 2 1 3 2 1 4 3 2]

2 [2 3 1 2 1 2 3 1 2 1 3 2 1 2 1 3]  
[1 2 3 4 1 2 3 1 2 1 3 2 1 4 3 2]

### 2.8.2. Tipo 2.

3 [3 1 2 1 2 3 1 2 3/1 2 1 3 2 1 2 1]  
[2 3 4 1 2 3 1 2 3/1 2 1 3 2 1 4 3]

4

3 1 2 1 2 3 1 2 3/1 2 1 3 2 1 2 1  
[2 3 4 1 2 3 1 2 3/1 2 1 3 2 1 4 3]



3. Las 12 escalas cromáticas a distancia de octava entre ambas manos; digitación básica y digitaciones auxiliares.

3.1. Do.

3.2. Re bemol.

## 3.3. Re.

Score for 3.3. Re. showing two staves of piano music. The top staff uses a treble clef and the bottom staff uses a bass clef. The music consists of a series of eighth and sixteenth note patterns with various fingerings indicated by numbers above or below the notes. The left hand has a more constant eighth-note pattern, while the right hand has a more complex sixteenth-note pattern. The score includes several measures of music, with some measure numbers (e.g., 1, 2, 3, 4, 41) and bar numbers (e.g., 1, 2, 3, 4, 1, 2, 3) visible below the staff lines.

## 3.4. Mi bemol.

Score for 3.4. Mi bemol. showing two staves of piano music. The top staff uses a treble clef and the bottom staff uses a bass clef. The music begins with a key signature of F major (two sharps) and transitions to a key signature of E-flat major (one sharp). The right hand starts with a sixteenth-note pattern (3/2/4), followed by eighth-note pairs, then returns to the sixteenth-note pattern. The left hand provides harmonic support with sustained notes and eighth-note chords. Fingerings are clearly marked throughout the piece, and measure numbers (e.g., 1, 2, 3, 4, 1, 2, 3, 1, 2, 1, 2, 3, 2, 1, 3, 2, 1, 2, 1, 3, 2, 1, 2, 1, 3, 2, 1, 2, 1) are provided below the staves.

## 3.5. Mi.

(2/3/4) 4 2 3  
 (1/2 3} 4 } 1 { 4 } 1 { 3 } 4 } 1 { 2 } 3 } 1 { 3/4 } 1 { 2 } 3 } 1 { 3 } 4 } 1 { 5/4 4 } 3 } 1 { 3/4 } 2 } 1 { 3 } 2 } 3/4 2 } 1 { 3/4 } 3 } 1 { 3 } 2 } 4 } 1 { 4 } 3 } 1 { 3 } 2 } 3 } 1 { 4 } 2 } 1 { 3 } 2 } 1 { 3 } 2 }

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

2 1 4 3 2 1 3 2 1 2 1 3 2 3 1 2 3 1 2 3 4 1

(2/3/4) 4 3 } 1 { 3 } 4 } 1 { 3 } 3 } 1 { 4 } 2 } 1 { 3 } 2 } 1 { 4 } 1/3 2 } 3 } 1 { 3 } 2 } 1 { 3 } 4 } 1 { 3 } 2 } 1 { 3/4 } 3 } 1 { 3 } 2 } 3 } 1 { 4 } 3 } 1 { 3 } 2 } 3 } 1 { 4 } 1 }

## 3.6. Fa.

(4/3 4} 1 2 3 } 4 } 1 { 3 } 2 } 1 { 3 } 4 } 1 { 3 } 2 } 1 { 4 } 1 2 3/4 4 } 3 } 1 { 3 } 2 } 1 { 3 } 4 } 1 { 3 } 2 } 1 { 4 } 1/2 3/4 4 } 3 } 1 { 3 } 2 } 1 { 3 } 4 } 1 { 3 } 2 } 1 { 4 } 1 2 3/4 4 } 3 } 1 { 3 } 2 } 1 { 3 } 4 } 1 { 3 } 2 } 1 { 4 } 1 2 3 2 1 4 3 2 1 3

5 1 4 3 2 1 3 2 1 2 1 3 2 1 2 3 1 2 1 2 3 1 2 3 4

(5/4 4 } 3 } 1 { 3 } 4 } 1 { 3 } 3 } 1 { 4 } 1 2 3/4 4 } 3 } 1 { 3 } 2 } 1 { 3 } 4 } 1 { 3 } 2 } 1 { 4 } 1/2 3/4 4 } 3 } 1 { 3 } 2 } 1 { 3 } 4 } 1 { 3 } 2 } 1 { 4 } 1 2 3/4 4 } 3 } 1 { 3 } 2 } 1 { 3 } 4 } 1 { 3 } 2 } 1 { 4 } 1 2 3 2 1 4 }

### 3.7. Sol bemol.

### 3.8. Sol.



3.11. Si bemol.

Sheet music for Exercise 3.11 in Si bemol. The music consists of two staves. The first staff starts with a measure of  $(2/3/4 \quad 1 \quad 3 \quad 4 \quad 1 \quad 3 \quad 2 \quad 3 \quad 1 \quad 2 \quad 1 \quad 2 \quad 3 \quad 1 \quad 2 \quad 3)$ . The second staff starts with a measure of  $(2/3/4 \quad 1 \quad 3 \quad 4 \quad 1 \quad 3 \quad 2 \quad 3 \quad 1 \quad 2 \quad 1 \quad 2 \quad 3 \quad 1 \quad 2 \quad 3)$ . Both staves continue with various measures of sixteenth-note patterns, each labeled with a sequence of numbers indicating the fingerings for each note. The music concludes with a final measure of  $(2/3/4 \quad 1 \quad 3 \quad 4 \quad 1 \quad 3 \quad 2 \quad 3 \quad 1 \quad 2 \quad 1 \quad 2 \quad 3 \quad 1 \quad 2 \quad 3)$ .

3.12. Si.

Sheet music for Exercise 3.12 in Si. The music consists of two staves. The first staff starts with a measure of  $(2/3/4 \quad 1 \quad 3 \quad 4 \quad 1 \quad 3 \quad 2 \quad 3 \quad 1 \quad 2 \quad 1 \quad 2 \quad 3 \quad 1 \quad 2 \quad 3 \quad 4 \quad 5/1 \quad 4 \quad 3 \quad 2 \quad 1 \quad 3 \quad 2 \quad 1 \quad 2 \quad 1 \quad 3 \quad 2)$ . The second staff starts with a measure of  $(2/3/4 \quad 1 \quad 3 \quad 4 \quad 1 \quad 3 \quad 2 \quad 3 \quad 1 \quad 2 \quad 1 \quad 3 \quad 2 \quad 1 \quad 2 \quad 3 \quad 1 \quad 2 \quad 3 \quad 4 \quad 1 \quad 2 \quad 3 \quad 2 \quad 1 \quad 2 \quad 3 \quad 1 \quad 2 \quad 1)$ . Both staves continue with various measures of sixteenth-note patterns, each labeled with a sequence of numbers indicating the fingerings for each note. The music concludes with a final measure of  $(2/3/4 \quad 1 \quad 3 \quad 4 \quad 1 \quad 3 \quad 2 \quad 3 \quad 1 \quad 2 \quad 1 \quad 3 \quad 2 \quad 1 \quad 2 \quad 3 \quad 1 \quad 2 \quad 3 \quad 4 \quad 1 \quad 2 \quad 3 \quad 2 \quad 1 \quad 2 \quad 3 \quad 1 \quad 2 \quad 1)$ .

#### 4. Las escalas cromáticas a diferentes distancias entre ambas manos.

##### 4.1. A distancia de segunda mayor.

The sheet music consists of four systems of musical notation, each with two staves (left and right hands) in common time (indicated by a 'C'). The treble clef is used for both hands throughout.

**System 1:** The left hand starts with a descending scale from C (4) to G (1). The right hand starts with an ascending scale from G (1) to C (4). Fingerings are indicated above the notes: 1 2 1 2 3 1 2 3 4 1 2 3 for the left hand, and 4/1 3 2 1 4 3 2 1 3 2 1 2 for the right hand. Below the notes, the fingerings are written as 1/3 2 1 3 2 1 4 3 2 1 3 2 1 2 for the left hand and 1 2 3 1 2 3 4 1 2 3 1 2 1 2 for the right hand.

**System 2:** The left hand starts with a descending scale from C (4) to G (1). The right hand starts with an ascending scale from G (1) to C (4). Fingerings are indicated above the notes: 2 1 2 3 1 2 3 4 1 2 3 1 for the left hand, and 2 1 3 2 1 4 3 2 1 3 2 1 for the right hand. Below the notes, the fingerings are written as 2 1 3 2 1 4 3 2 1 3 2 1 2 for the left hand and 2 1 2 3 1 2 3 4 1 2 3 1 2 1 for the right hand.

**System 3:** The left hand starts with a descending scale from C (4) to G (1). The right hand starts with an ascending scale from G (1) to C (4). Fingerings are indicated above the notes: 1 2 3 1 2 3 4 1 2 3 1 2 for the left hand, and 3/1 2 1 3 2 1 4 3 2 1 3 2 1 2 for the right hand. Below the notes, the fingerings are written as 1/4 3 2 1 4 3 2 1 3 2 1 2 for the left hand and 1 2 3 1 2 3 4 1 2 3 1 2 1 for the right hand.

**System 4:** The left hand starts with a descending scale from C (4) to G (1). The right hand starts with an ascending scale from G (1) to C (4). Fingerings are indicated above the notes: 2 3 1 2 3 4 1 2 3 1 2 1 for the left hand, and 2 1 2 3 2 1 4 3 2 1 3 2 1 3 for the right hand. Below the notes, the fingerings are written as 3 2 1 4 3 2 1 3 2 1 2 for the left hand and 3 1 2 3 2 1 4 3 2 1 3 2 1 2 for the right hand.

9      3 1 2 3 4 1 2 3 1 2 1 2      3 2 1 2 1 3 2 1 4 3 2 1

11     1 2 3 4 1 2 3 1 2 1 2 3      4/4 3 2 1 2 1 3 2 1 4 3 2

13     2 3 4 1 2 3 1 2 1 2 3 1      2 1 3 2 1 2 1 3 2 1 4 3

15     3 4 1 2 3 1 2 1 2 3 1 2      3/4 2 1 3 2 1 2 1 3 2 1 4

17      4 1 2 3 1 2 1 2 3 1 2 3      4 3 2 1 3 2 1 2 1 3 2 1

18      2 1 3 2 1 2 1 3 2 1 4 3      2 3 4 1 2 3 1 2 3 4 1 2

19      1 2 3 1 2 1 2 3 1 2 3 4      5/4 4 3 2 1 3 2 1 2 1 3 2

20      1/4 3 2 1 2 1 3 2 1 4 3 2      1 2 3 4 1 2 3 1 2 3 4 1 2

21      2 3 1 2 1 2 3 1 2 3 4 1      2 1 4 3 2 1 3 2 1 2 1 3

22      3 2 1 2 1 3 2 1 4 3 2 1      3 1 2 3 4 1 2 3 1 2 3 4 1 2

23      3 1 2 1 2 3 1 2 3 4 1 2      3 2 1 4 3 2 1 3 2 1 2 1

24      2 1 2 1 3 2 1 4 3 2 1 3      2 3 1 2 3 4 1 2 3 1 2 4 1 2

## 4.2. A distancia de tercera menor.

2    1    2    3    1    2    3    4    1    2    3    1

*1/4*

3    1    2    3    4    1    2    3    4    1    2    3    1    2

*3/4*

5    2    3    1    2    3    4    1    2    3    1    2    1    2    3    1    2    4    3    2    1    4    3    2    1    3    2    1    2    1    2    3    1    2    4    3    2    1    4    3    2    1    3

*1/4*

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

*3/4*

9      1 2 3 4 1 2 3 1 2 3      4/1 3 2 1 2 1 3 2 1 4 3 2

2 1 4 3 2 1 3 2 1 2 1 3      2 3 1 2 1 2 3 1 2 3 4 1

11     2 3 4 1 2 3 1 2 3 1      2 1 3 2 1 2 1 3 2 1 4 3

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

13     3 4 1 2 3 1 2 1 2 3 1 2      3/1 2 1 3 2 1 2 1 3 2 1 4

4 3 2 1 3 2 1 2 1 3 2 1      4 1 2 3 1 2 1 2 3 1 2 3

15     4 1 2 3 1 2 1 2 3 1 2 3      4 3 2 1 3 2 1 2 1 3 2 1

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

17      1 2 3 1 2 1 2 3 1 2 3 4      5/4 4 3 2 1 3 2 1 2 1 3 2

19      2 3 1 2 1 2 3 1 2 3 4 1      2 1 4 3 2 1 3 2 1 2 1 3

21      3 1 2 1 2 3 1 2 3 4 1 2      3 2 1 4 3 2 1 3 2 1 2 1

23      1 2 1 2 3 1 2 3 4 1 2 3      4/1 3 2 1 4 3 2 1 3 2 1 2

## 4.3. A distancia de tercera mayor.

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

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

3    2    3    1    2    3    4    1    2    3    1    2    1    2    1    3    2    1    4    3    2    1    3    2

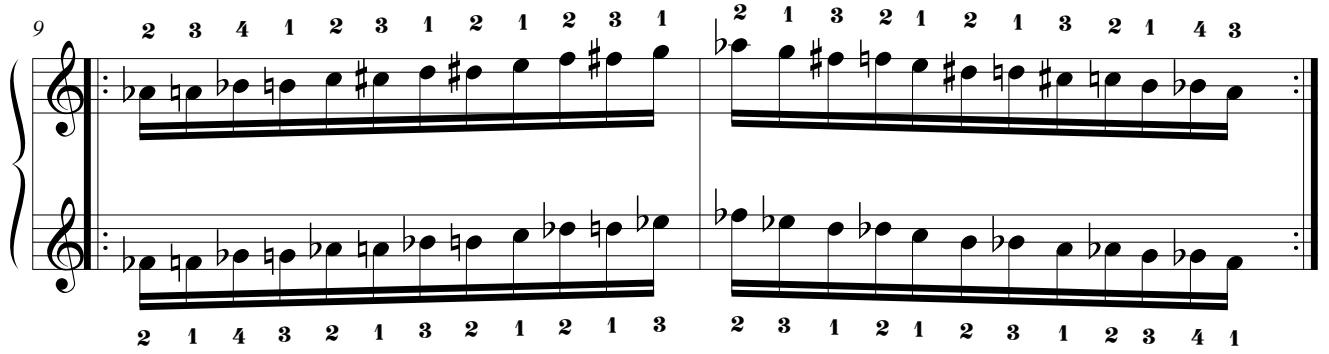
2    1    3    2    1    4    3    2    1    3    2    1    2    1    2    3    1    2    3    4    1    2    3    1

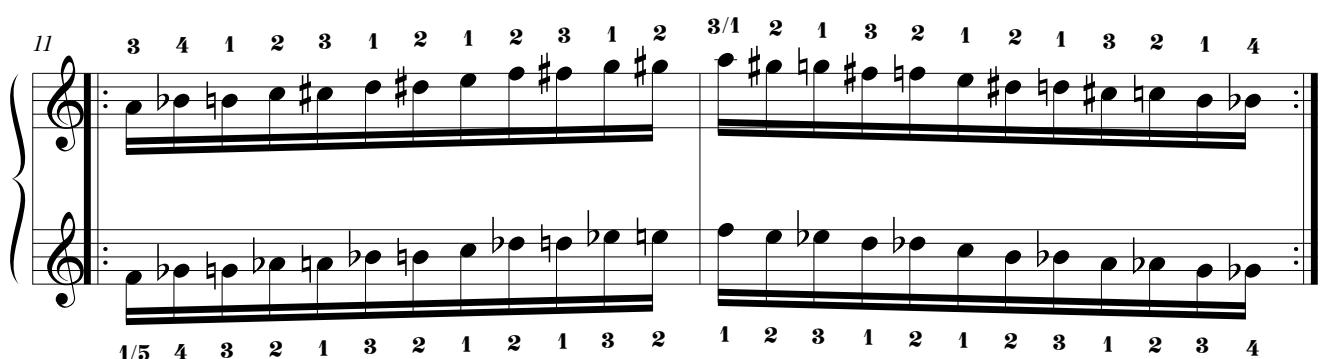
5    3    1    2    3    4    1    2    3    1    2    1    2    3    2    1    3    2    1    4    3    2    1    3    2

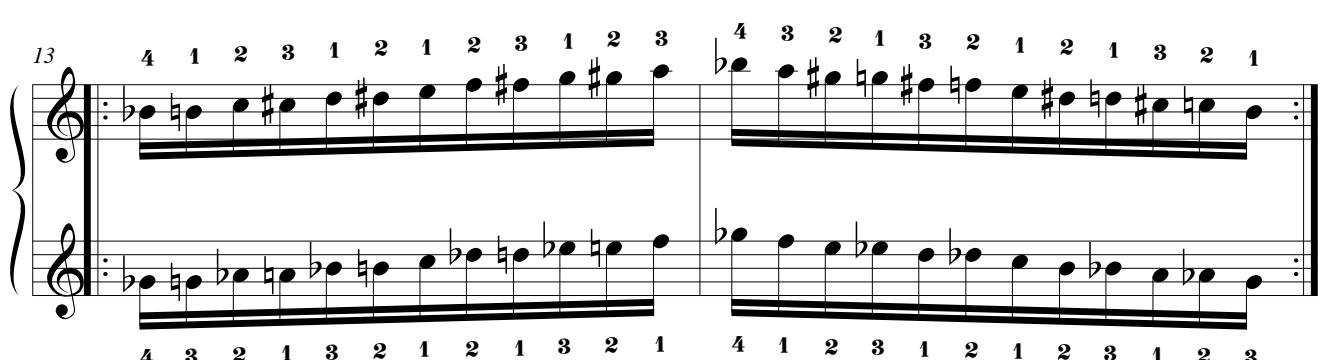
1/4    3    2    1    4    3    2    1    3    2    1    2    1    2    3    1    2    3    4    1    2    3

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

3    2    1    4    3    2    1    3    2    1    2    1    3    1    2    3    1    2    3    4    1    2

9      2 3 4 1 2 3 1 2 1 2 3 1      2 1 3 2 1 2 1 3 2 1 4 3  


11     3 4 1 2 3 1 2 1 2 3 1 2      3/4 2 1 3 2 1 2 1 3 2 1 4  


13     4 1 2 3 1 2 1 2 3 1 2 3      4 3 2 1 3 2 1 2 3 1 2 1  


15     1 2 3 1 2 1 2 3 1 2 3 4      5/4 4 3 2 1 3 2 1 2 1 3 2  


17      2 3 1 2 1 2 3 1 2 3 4 1      2 1 4 3 2 1 3 2 1 2 1 3

19      3 1 2 1 2 3 1 2 3 4 1 2      3 2 1 4 3 2 1 3 2 1 2 1

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

21      1 2 1 2 3 1 2 3 4 1 2 3      4/4 3 2 1 4 3 2 1 3 2 1 2

3 2 1 2 1 3 2 1 4 3 2 1      3 1 2 3 4 1 2 3 1 2 1 2

23      2 1 2 3 1 2 3 4 1 2 3 1      2 1 3 2 1 4 3 2 1 3 2 1

2 1 2 1 3 2 1 4 3 2 1      2 3 1 2 3 4 1 2 3 1 2 1

## 4.4. A distancia de cuarta justa.

2 3 1 2 3 4 1 2 3 1 2 1 2 1 2 1 3 2 1 4 3 2 1 3 2 1 3

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

3 3 1 2 3 4 1 2 3 1 2 1 2 3 2 1 2 1 3 2 1 4 3 2 1 1

2 1 3 2 1 4 3 2 1 3 2 1 2 3 1 2 3 4 1 2 3 1 2 3 1 2

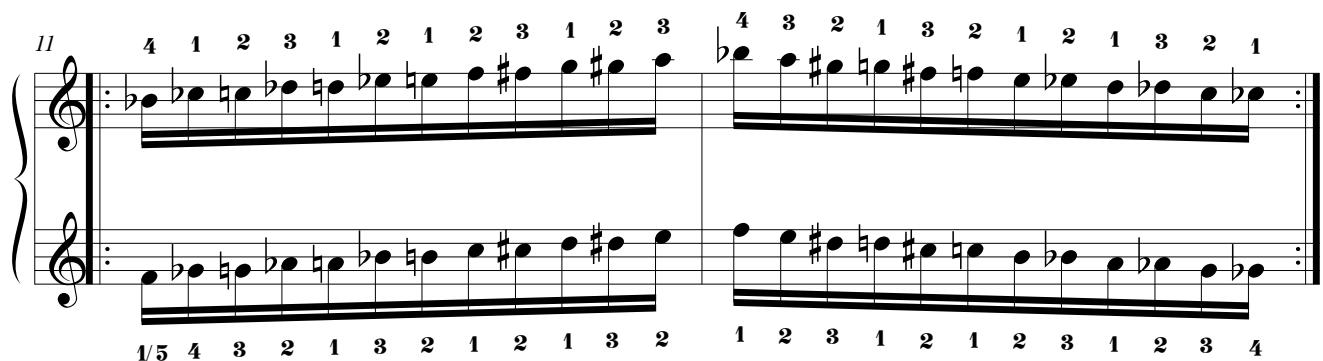
5 1 2 3 4 1 2 3 1 2 1 2 3 4 / 1 3 2 1 2 1 3 2 1 4 3 2

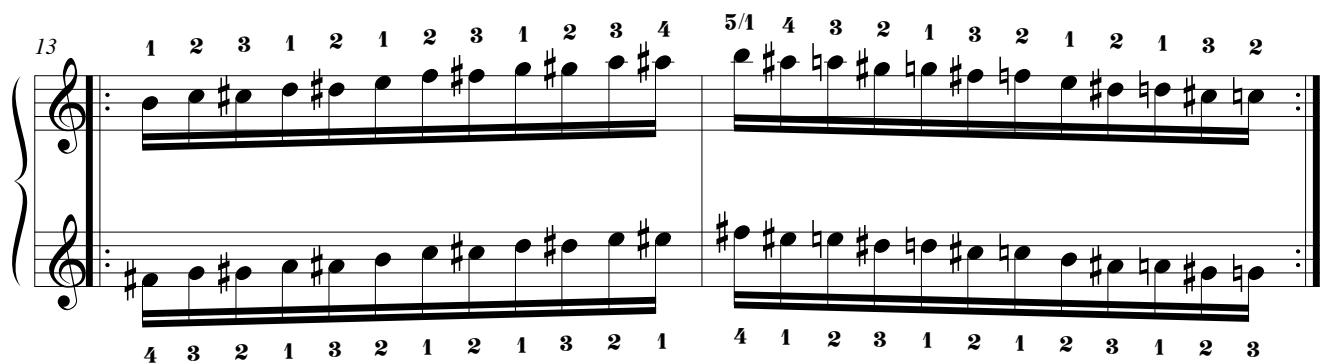
$\frac{1}{4}$  3 2 1 4 3 2 1 3 2 1 2 1 2 3 1 2 3 4 1 2 3 1 2 3 1 2

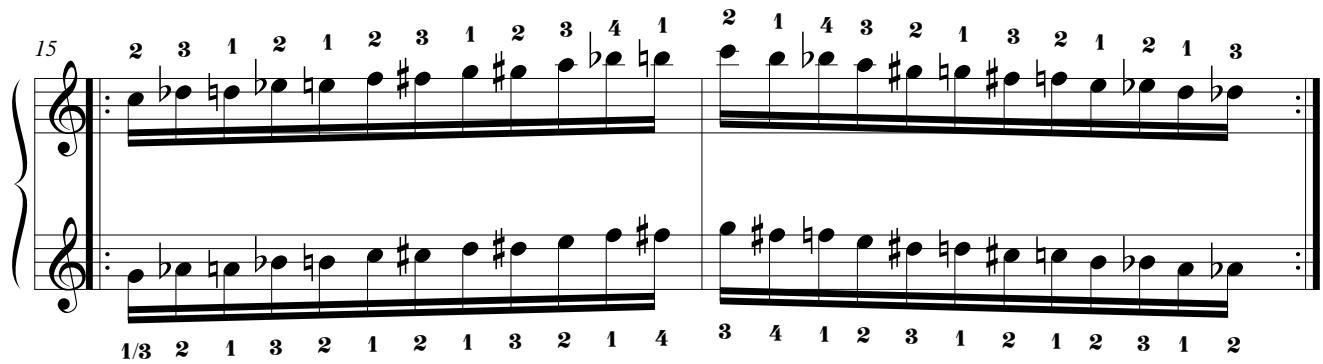
7 2 3 4 1 2 3 1 2 1 2 3 1 2 1 3 2 1 2 1 3 2 1 4 3

3 2 1 4 3 2 1 3 2 1 2 1 3 1 2 1 2 3 1 2 3 4 1 2 3 1 2

9            3 4 1 2 3 1 2 1 2 3 1 2      3/1 2 1 3 2 1 2 1 3 2 1 4  


11          4 1 2 3 1 2 1 2 3 1 2 3      4 3 2 1 3 2 1 2 3 1 2 3 2 1  


13          1 2 3 1 2 1 2 3 1 2 3 4      5/1 4 3 2 1 3 2 1 2 1 3 2  


15          2 3 1 2 1 2 3 1 2 3 4 1      2 1 4 3 2 1 3 2 1 2 1 3  


17      3 1 2 1 2 3 1 2 3 4 1 2      3 2 1 4 3 2 1 3 2 1 2 1

19      1 2 1 2 3 1 2 3 4 1 2 3      4/1 3 2 1 4 3 2 1 3 2 1 2  
 $\frac{1}{4}$  3 2 1 2 1 3 2 1 4 3 2      1 2 3 4 1 2 3 1 2 3 1 2 3

21      2 1 2 3 1 2 3 4 1 2 3 1      2 1 3 2 1 4 3 2 1 3 2 1  
 $\frac{3}{2}$  2 1 2 1 3 2 1 4 3 2 1      3 1 2 3 4 1 2 3 1 2 3 1 2

23      1 2 3 1 2 3 4 1 2 3 1 2      3/1 2 1 3 2 1 4 3 2 1 3 2  
 $\frac{2}{3}$  1 2 1 3 2 1 4 3 2 1 3      2 3 1 2 3 4 1 2 3 1 2 3 1

4.5. A distancia de cuarta aumentada.

The sheet music consists of four staves of musical notation, each with two staves (treble and bass). Fingerings are indicated above the notes. Measure numbers 3, 4, 5, and 7 are shown at the beginning of each staff.

**Staff 1 (Measures 3-4):**

- Measure 3: Fingerings: 3 1 2 3 4 1 2 3 1 2 1 2. Bass staff: 1/3 2 1 3 2 1 4 3 2 1 3 2.
- Measure 4: Fingerings: 3 2 1 2 1 3 2 1 4 3 2 1. Bass staff: 1 2 3 1 2 3 4 1 2 3 1 2.

**Staff 2 (Measures 3-4):**

- Measure 3: Fingerings: 1 2 3 4 1 2 3 1 2 1 2 3. Bass staff: 2 1 3 2 1 4 3 2 1 3 2 1.
- Measure 4: Fingerings: 4/1 3 2 1 2 1 3 2 1 4 3 2. Bass staff: 2 1 2 3 1 2 3 4 1 2 3 1.

**Staff 3 (Measures 5-6):**

- Measure 5: Fingerings: 2 3 4 1 2 3 1 2 1 2 3 1. Bass staff: 1/4 3 2 1 4 3 2 1 3 2 1 2.
- Measure 6: Fingerings: 2 1 3 2 1 2 1 3 2 1 4 3. Bass staff: 1 2 1 2 3 1 2 3 4 1 2 3.

**Staff 4 (Measures 7-8):**

- Measure 7: Fingerings: 3 4 1 2 3 1 2 1 2 3 1 2. Bass staff: 3 2 1 4 3 2 1 3 2 1 2 1.
- Measure 8: Fingerings: 3/1 2 1 3 2 1 2 1 3 2 1 4. Bass staff: 3 1 2 1 2 3 1 2 3 4 1 2.

9

4 1 2 3 1 2 1 2 3 1 2 3      4 3 2 1 3 2 1 2 1 3 2 1

2 1 4 3 2 1 3 2 1 2 1 3      2 3 1 2 1 2 3 1 2 3 4 1

11

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

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

13

2 3 1 2 1 2 3 1 2 3 4 1      2 1 4 3 2 1 3 2 1 2 1 3

4 3 2 1 3 2 1 2 1 3 2 1      4 1 2 3 1 2 1 2 3 1 2 3

15

3 1 2 1 2 3 1 2 3 4 1 2      3 2 1 4 3 2 1 3 2 1 2 1

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

17

17

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

19

19

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

21

21

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

23

23

2 3 1 2 3 4 1 2 3 1 2 1      2 1 2 1 3 2 1 4 3 2 1 3  
2 1 2 1 3 2 1 4 3 2 1 3      2 3 1 2 3 4 1 2 3 1 2 1

## 4.6. A distancia de quinta justa.

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

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

3    2    3    4    1    2    3    1    2    1    2    3    1    2    1    3    2    1    2    3    1    2    3    4    1    2    3    1

2    1    3    2    1    4    3    2    1    3    2    1    2    1    2    3    1    2    3    4    1    2    3    1

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

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

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

3    2    1    4    3    2    1    3    2    1    2    1    3    2    1    2    3    1    2    3    4    1    2

9

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

2 1 4 3 2 1 3 2 1 2 1 3      2 3 1 2 1 2 3 1 2 3 4 1

11

2 3 1 2 1 2 3 1 2 3 4 1      2 1 4 3 2 1 3 2 1 2 1 3

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

13

3 1 2 1 2 3 1 2 3 4 1 2      3 2 1 4 3 2 1 3 2 1 2 1

4 3 2 1 3 2 1 2 1 3 2 1      4 1 2 3 1 2 1 2 3 1 2 3

15

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

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

17      2 1 2 3 1 2 3 4 1 2 3 1      2 1 3 2 1 4 3 2 1 3 2 1

19      1 2 3 1 2 3 4 1 2 3 1 2      3/1 2 1 3 2 1 4 3 2 1 3 2

21      2 3 1 2 3 4 1 2 3 1 2 1      2 1 2 1 3 2 1 4 3 2 1 3

23      3 1 2 3 4 1 2 3 1 2 1 2      3 2 1 2 1 3 2 1 4 3 2 1

## 4.7. A distancia de sexta menor.

The sheet music consists of two staves, each with a treble clef and a key signature of one sharp. The music is divided into measures by vertical bar lines. Fingerings are indicated above the notes, and time signatures are shown below the staff.

**Measure 2:** Fingerings: 2 3 4 1 2 3 1 2 1 2 3 1. Time signature: 1/3. Fingerings below: 1/3 2 1 3 2 1 4 3 2 1 3 2.

**Measure 3:** Fingerings: 3 4 1 2 3 1 2 1 2 3 1 2. Time signature: 3/1. Fingerings below: 2 1 3 2 1 4 3 2 1 3 2 1.

**Measure 5:** Fingerings: 4 1 2 3 1 2 1 2 3 1 2 3. Time signature: 4/4. Fingerings below: 1/4 3 2 1 4 3 2 1 3 2 1 2.

**Measure 7:** Fingerings: 1 2 3 1 2 1 2 3 1 2 3 4. Time signature: 5/1. Fingerings below: 3 2 1 4 3 2 1 3 2 1 2 3 4 1 2.

**Measure 8:** Fingerings: 2 1 3 2 1 2 3 1 2 1 3 2 1 4. Time signature: 5/1. Fingerings below: 3 1 2 1 2 3 1 2 1 3 2 1 2 3 4 1 2.

9

2 1 4 3 2 1 3 2 1 2 1 3      2 3 1 2 1 2 3 1 2 3 4 1

11

3 1 2 1 2 3 1 2 3 4 1 2      1 2 3 1 2 1 2 3 1 2 3 4

13

1 2, 1, 2, 3, 1, 2, 3, 4, 1, 2, 3      4 1 2 3 1 2 1 2 3 1 2 3

15

2, 1, 2, 3, 1, 2, 3, 4, 1, 2, 3, 1      3 4 1 2 3 1 2 1 2 3 1 2

17

3/4

2 3 4 1 2 3 1 2 1 3 2 1 4 3 2 1 2 3 1 2 1 3 2 1

19

1/4

3 2 1 2 1 3 2 1 4 3 2 1 2 3 4 1 2 3 1 2 3 2 1 2 3 1 2 3

21

3 2 1 2 1 3 2 1 4 3 2 1 3 1 2 3 4 1 2 3 1 2 3 1 2 1 2

23

4/4

2 3 1 2 3 4 1 2 3 1 2 1 3 2 1 3 2 1 2 3 4 1 2 3 1 2 1 3 2 1

## 4.8. A distancia de sexta mayor.

3 4 1 2 3 1 2 1 2 3 1 2      3/1 2 1 3 2 1 2 1 3 2 1 4  
:

9

2 1 4 3 2 1 3 2 1 2 1 3 2 3 1 2 1 2 3 1 2 3 4 1 2

2 3 1 2 1 2 3 1 2 3 4 1 2 1 3 2 1 2 3 4 1

11

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

13

4 3 2 1 3 2 1 2 1 3 2 1 4 1 2 3 1 2 1 2 3 1 2 3

15

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

17      2 3 1 2 3 4 1 2 3 1 2 1      2 1 2 1 3 2 1 4 3 2 1 3

19      3 1 2 3 4 1 2 3 1 2 1 2      3 2 1 2 1 3 2 1 4 3 2 1

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

21      1 2 3 4 1 2 3 1 2 1 2 3      4/4 3 2 1 2 1 3 2 1 4 3 2

3 2 1 2 1 3 2 1 4 3 2 1 2 3 4 1 2 3 2 1 2 3 1 2 1 2 3 1 2 1 2

23      2 3 4 1 2 3 1 2 1 2 3 1      2 1 3 2 1 2 1 3 2 1 4 3

2 1 2 1 3 2 1 4 3 2 1 3 2 3 4 1 2 3 2 1 2 3 1 2 1 2 3 1 2 1

## 4.9. A distancia de séptima menor.

4

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

3

$\frac{5}{4}$  4 3 2 1 3 2 1 2 1 3 2 1 3 2 1

2 1 3 2 1 4 3 2 1 3 2 1 2 1 3 2 1 3 2 1

5

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

7

3 2 1 4 3 2 1 3 2 1 2 1 3 2 1 2 1 3 2 1 2 1

9

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

2 1 4 3 2 1 3 2 1 2 1 3 2 3 1 2 1 2 3 1 2 3 4 1 2

11

2 1 2 3 1 2 3 4 1 2 3 1 2 1 3 2 1 2 3 1 2 3 4 1

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

13

1 2 3 1 2 3 4 1 2 3 1 2 4 1 2 3 1 2 3 4 1

4 1 2 3 1 2 4 1 2 3 1 2 3 4 1 2 3 1 2 3 4

15

2 3 1 2 3 4 1 2 3 1 2 4 2 1 2 1 3 2 1 4 3 2 1 3

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

17      3 1 2 3 4 1 2 3 1 2 1 2      3 2 1 2 1 3 2 1 4 3 2 1

18

19      1 2 3 4 1 2 3 1 2 1 2 3      4/4 3 2 1 2 1 3 2 1 4 3 2

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

21      2 3 4 1 2 3 1 2 1 2 3 1      2 1 3 2 1 2 1 3 2 1 4 3 2

3 2 1 2 1 3 2 1 4 3 2 1      3 1 2 3 4 1 2 3 1 2 1 3 2 1 2 1 2

23      3 4 1 2 3 1 2 1 2 3 1 2      3/4 2 1 3 2 1 2 1 3 2 1 4

2 1 2 1 3 2 1 4 3 2 1 3      2 3 1 2 3 4 1 2 3 1 2 1 3 2 1 2 1

## 4.10. A distancia de séptima mayor.

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

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

3    2    3    1    2    1    2    3    1    2    3    4    1    2    1    4    3    2    1    3    2    1    2    1    3

2    1    3    2    1    4    3    2    1    3    2    1    2    1    2    3    1    2    3    4    1    2    3    1    2

5    3    1    2    1    2    3    1    2    3    4    1    2    3    2    1    4    3    2    1    3    2    1    2    1

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

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

3    2    1    4    3    2    1    3    2    1    2    1    3    2    1    2    3    1    2    3    4    1    2

9

2 1 4 3 2 1 3 2 1 2 1 3      2 3 1 2 1 2 3 1 2 3 4 1

11

1 2 3 1 2 3 4 1 2 3 1 2      1 2 3 1 2 1 2 3 1 2 3 4

13

2 3 1 2 3 4 1 2 3 1 2 1      4 3 2 1 3 2 1 2 1 3 2 1

15

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

17      1 2 3 4 1 2 3 1 2 1 2 3      4/1 3 2 1 2 1 3 2 1 4 3 2

18      2 3 4 1 2 3 1 2 1 2 3 1      2 1 3 2 1 2 1 3 2 1 4 3

19      2 3 4 1 2 3 1 2 1 2 3 1      2 1 3 2 1 2 1 3 2 1 4 3

20      1/4 3 2 1 2 1 3 2 1 4 3 2      1 2 3 4 1 2 3 1 2 3 1 2 3

21      3 4 1 2 3 1 2 1 2 3 1 2      3/4 2 1 3 2 1 2 1 3 2 1 4

22      3 2 1 2 1 3 2 1 4 3 2 1      3 1 2 3 4 1 2 3 1 2 3 1 2

23      4 1 2 3 1 2 1 2 3 1 2 3      4 3 2 1 3 2 1 2 1 3 2 1

24      2 1 2 1 3 2 1 4 3 2 1 3      2 3 1 2 3 4 1 2 3 1 2 1

## 4.11. A distancia de octava justa.

The sheet music consists of five staves of musical notation for guitar, arranged in two columns separated by a vertical bar. Each staff begins with a treble clef and a key signature of one sharp (F#). The first staff starts with a common time signature (indicated by a 'C') and continues with a 1/4 time signature. The second staff starts with a common time signature and continues with a 4/4 time signature. The third staff starts with a common time signature and continues with a 4/4 time signature. The fourth staff starts with a common time signature and continues with a 4/4 time signature. The fifth staff starts with a common time signature and continues with a 4/4 time signature. Each staff contains two measures of music, with the first measure being a sixteenth-note exercise and the second measure being a eighth-note exercise. The notes are grouped by vertical bar lines. Below each staff, there are fingerings indicated by numbers (e.g., 1, 2, 3, 4) placed under the corresponding notes. The first staff has fingerings: 2 3 1 2 1 2 3 1 2 3 4 1 2 1 4 3 2 1 3 2. The second staff has fingerings: 1 2 3 1 2 3 1 2 3 4 1 2 1 2 3 1 2 3 4 1 2 3 1 2. The third staff has fingerings: 3 1 2 1 2 3 1 2 3 4 1 2 1 2 3 1 2 3 4 1 2 3 1 2. The fourth staff has fingerings: 2 1 3 2 1 4 3 2 1 3 2 1 2 1 2 3 1 2 3 4 1 2 3 1 2. The fifth staff has fingerings: 1 2 1 2 3 1 2 3 4 1 2 3 1 2 4 1 2 3 1 2 3 4 1 2. The last staff ends with a repeat sign and a colon.

9

2 1 4 3 2 1 3 2 1 2 1 3 2 3 1 2 1 2 3 1 2 3 4 1

11

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

13

4 3 2 1 3 2 1 2 1 3 2 1 4 1 2 3 4 1 2 3 1 2 3

15

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

17      2 3 4 1 2 3 1 2 1 2 3 1      2 1 3 2 1 2 1 3 2 1 4 3

19      3 4 1 2 3 1 2 1 2 3 1 2      3/4 2 1 3 2 1 2 1 3 2 1 4

21      4 1 2 3 1 2 1 2 3 1 2 3      4 3 2 1 3 2 1 2 1 3 2 1

23      1 2 3 1 2 1 2 3 1 2 3 4      5/4 4 3 2 1 3 2 1 2 1 3 2

## 4.12. A distancia de novena menor.

The sheet music consists of four staves of musical notation for guitar, arranged vertically. Each staff begins with a treble clef and a key signature of one flat (B-flat). The first staff has a common time signature (indicated by a 'C'). The second staff has a common time signature. The third staff has a common time signature. The fourth staff has a common time signature.

**Staff 1:**

- Measure 1: Fingerings: 3 1 2 1 2 3 1 2 3 4 1 2. Time signature: C.
- Measure 2: Fingerings: 1 2 3 1 2 3 1 2 3 4 1 2. Time signature: C.
- Measure 3: Fingerings: 1 2 3 1 2 3 1 2 3 4 1 2. Time signature: C.
- Measure 4: Fingerings: 1 2 3 1 2 3 1 2 3 4 1 2. Time signature: C.
- Measure 5: Fingerings: 1 2 3 1 2 3 1 2 3 4 1 2. Time signature: C.
- Measure 6: Fingerings: 1 2 3 1 2 3 1 2 3 4 1 2. Time signature: C.
- Measure 7: Fingerings: 1 2 3 1 2 3 1 2 3 4 1 2. Time signature: C.
- Measure 8: Fingerings: 1 2 3 1 2 3 1 2 3 4 1 2. Time signature: C.

**Staff 2:**

- Measure 1: Fingerings: 1 2 3 1 2 3 1 2 3 4 1 2. Time signature: C.
- Measure 2: Fingerings: 1 2 3 1 2 3 1 2 3 4 1 2. Time signature: C.
- Measure 3: Fingerings: 1 2 3 1 2 3 1 2 3 4 1 2. Time signature: C.
- Measure 4: Fingerings: 1 2 3 1 2 3 1 2 3 4 1 2. Time signature: C.
- Measure 5: Fingerings: 1 2 3 1 2 3 1 2 3 4 1 2. Time signature: C.
- Measure 6: Fingerings: 1 2 3 1 2 3 1 2 3 4 1 2. Time signature: C.
- Measure 7: Fingerings: 1 2 3 1 2 3 1 2 3 4 1 2. Time signature: C.
- Measure 8: Fingerings: 1 2 3 1 2 3 1 2 3 4 1 2. Time signature: C.

**Staff 3:**

- Measure 1: Fingerings: 1 2 3 1 2 3 1 2 3 4 1 2. Time signature: C.
- Measure 2: Fingerings: 1 2 3 1 2 3 1 2 3 4 1 2. Time signature: C.
- Measure 3: Fingerings: 1 2 3 1 2 3 1 2 3 4 1 2. Time signature: C.
- Measure 4: Fingerings: 1 2 3 1 2 3 1 2 3 4 1 2. Time signature: C.
- Measure 5: Fingerings: 1 2 3 1 2 3 1 2 3 4 1 2. Time signature: C.
- Measure 6: Fingerings: 1 2 3 1 2 3 1 2 3 4 1 2. Time signature: C.
- Measure 7: Fingerings: 1 2 3 1 2 3 1 2 3 4 1 2. Time signature: C.
- Measure 8: Fingerings: 1 2 3 1 2 3 1 2 3 4 1 2. Time signature: C.

**Staff 4:**

- Measure 1: Fingerings: 1 2 3 1 2 3 1 2 3 4 1 2. Time signature: C.
- Measure 2: Fingerings: 1 2 3 1 2 3 1 2 3 4 1 2. Time signature: C.
- Measure 3: Fingerings: 1 2 3 1 2 3 1 2 3 4 1 2. Time signature: C.
- Measure 4: Fingerings: 1 2 3 1 2 3 1 2 3 4 1 2. Time signature: C.
- Measure 5: Fingerings: 1 2 3 1 2 3 1 2 3 4 1 2. Time signature: C.
- Measure 6: Fingerings: 1 2 3 1 2 3 1 2 3 4 1 2. Time signature: C.
- Measure 7: Fingerings: 1 2 3 1 2 3 1 2 3 4 1 2. Time signature: C.
- Measure 8: Fingerings: 1 2 3 1 2 3 1 2 3 4 1 2. Time signature: C.

9      2 3 1 2 3 4 1 2 3 1 2 1      2 1 2 1 3 2 1 4 3 2 1 3

2 1 4 3 2 1 3 2 1 2 1 3      2 3 1 2 1 2 3 1 2 3 4 1

11      3 1 2 3 4 1 2 3 1 2 1      3 2 1 2 1 3 2 1 4 3 2 1

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

13      1 2 3 4 1 2 3 1 2 1 2 3      4/1 3 2 1 2 1 3 2 1 4 3 2

4 3 2 1 3 2 1 2 1 3 2 1      4 1 2 3 1 2 1 2 3 1 2 3

15      2 3 4 1 2 3 1 2 1 2 3 1      2 1 3 2 1 2 1 3 2 1 4 3

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

17      3 4 1 2 3 1 2 1 2 3 1 2      3/1 2 1 3 2 1 2 1 3 2 1 4

19      4 1 2 3 1 2 1 2 3 1 2 3      4 3 2 1 3 2 1 2 1 3 2 1

21      1 2 3 1 2 1 2 3 1 2 3 4      5/1 4 3 2 1 3 2 1 2 1 3 2

23      2 3 1 2 1 2 3 1 2 3 4 1      2 1 4 3 2 1 3 2 1 2 1 3

## 4.13. A distancia de novena mayor.

The sheet music consists of four staves of musical notation for guitar, arranged vertically. Each staff begins with a treble clef and a common time signature (indicated by a 'C'). The notation uses vertical stems and horizontal bar lines to represent the strings. Fingerings are indicated above the notes, and the music is divided into measures by vertical bar lines. The first staff ends with a 4/1 time signature. The second staff begins with a 1/3 time signature, followed by a 1/2 time signature. The third staff begins with a 3/1 time signature, followed by a 2/1 time signature. The fourth staff begins with a 1/4 time signature, followed by a 3/1 time signature. The music includes various note heads (solid black, open, and with a sharp sign) and rests. The first staff has a brace under it, and the fourth staff has a bass clef and a bass staff below it.

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

9

3 1 2 3 4 1 2 3 1 2 1 2      3 2 1 2 1 3 2 1 4 3 2 1

2 1 4 3 2 1 3 2 1 2 1 3      2 3 1 2 1 2 3 1 2 3 4 1

11

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

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

13

2 3 4 1 2 3 1 2 1 2 3 1      2 1 3 2 1 2 1 3 2 1 4 3

4 3 2 1 3 2 1 2 1 3 2 1      4 1 2 3 1 2 4 3 2 1 2 3

15

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

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

17      4 1 2 3 1 2 1 2 3 1 2 3      4 3 2 1 3 2 1 2 1 3 2 1

19      1 2 3 1 2 1 2 3 1 2 3 4      5/4 4 3 2 1 3 2 1 2 1 3 2

21      2 3 1 2 1 2 3 1 2 3 4 1      2 1 4 3 2 1 3 2 1 2 1 3

23      3 1 2 1 2 3 1 2 3 4 1 2      3 2 1 4 3 2 1 3 2 1 2 1

## 4.14. A distancia de décima menor.

Sheet music for guitar, featuring four staves of music with fingerings and time signatures.

**Staff 1:** Treble clef, B-flat key signature. Fingerings: 2 1 2 3 1 2 3 4 1 2 3 1. Time signature: 2/4. Fingerings below: 1/3 2 1 3 2 1 4 3 2 1 3 2.

**Staff 2:** Treble clef, B-flat key signature. Fingerings: 2 1 3 2 1 2 3 1 2 3 4 1 2 3 1 2. Time signature: 1/2. Fingerings below: 1 2 3 1 2 3 4 1 2 3 1 2 3 1 2.

**Staff 3:** Treble clef, B-flat key signature. Fingerings: 1 2 3 1 2 3 4 1 2 3 1 2. Time signature: 3/4. Fingerings below: 2 1 3 2 1 4 3 2 1 3 2 1.

**Staff 4:** Treble clef, B-flat key signature. Fingerings: 2 1 2 3 1 2 3 4 1 2 3 1 2 1 3. Time signature: 2/4. Fingerings below: 1/4 3 2 1 4 3 2 1 3 2 1 2 3.

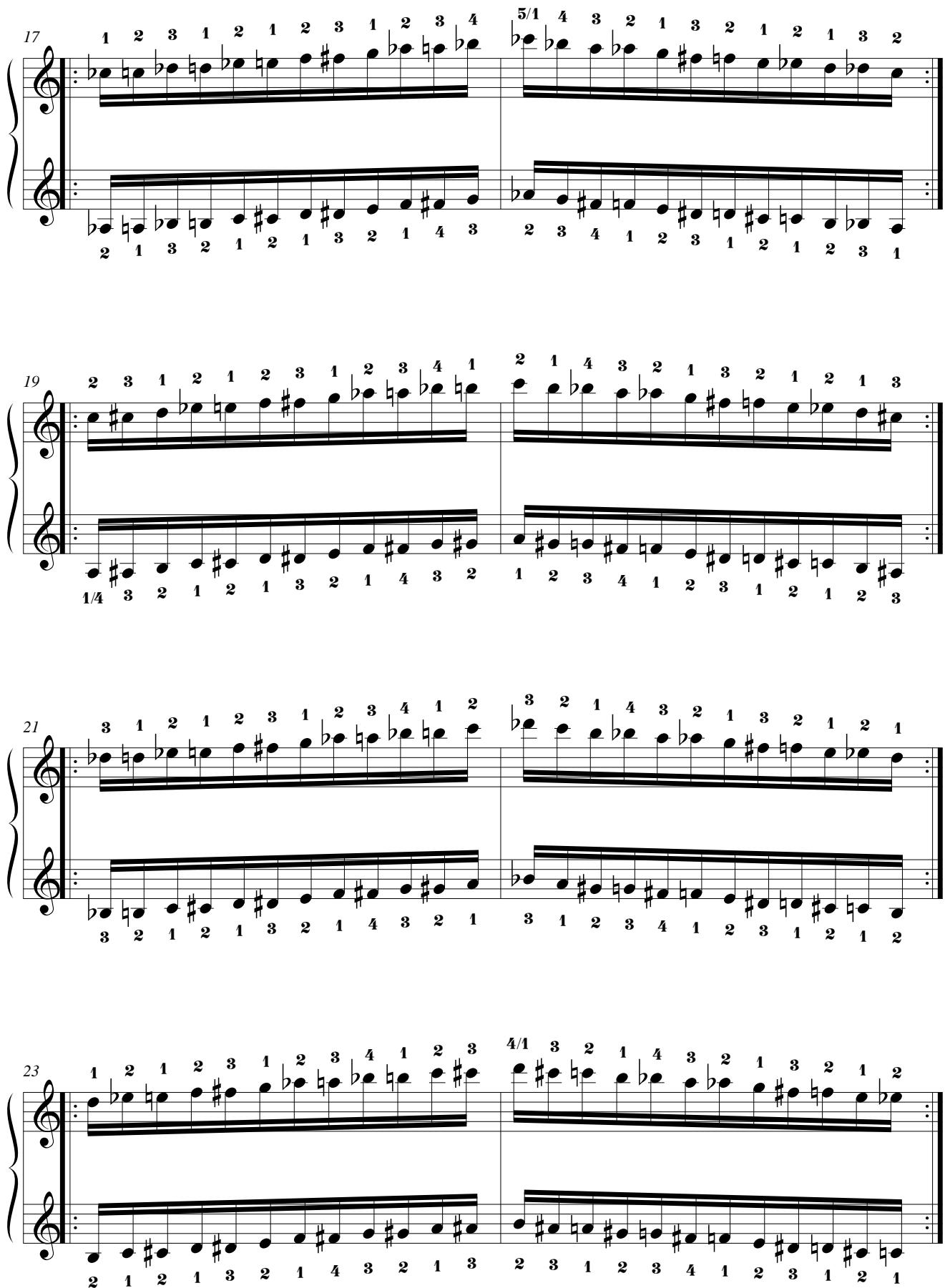
**Staff 5:** Treble clef, B-flat key signature. Fingerings: 3 1 2 3 4 1 2 3 1 2 1 2. Time signature: 3/4. Fingerings below: 3 2 1 2 3 1 2 3 4 1 2 3 1 2.

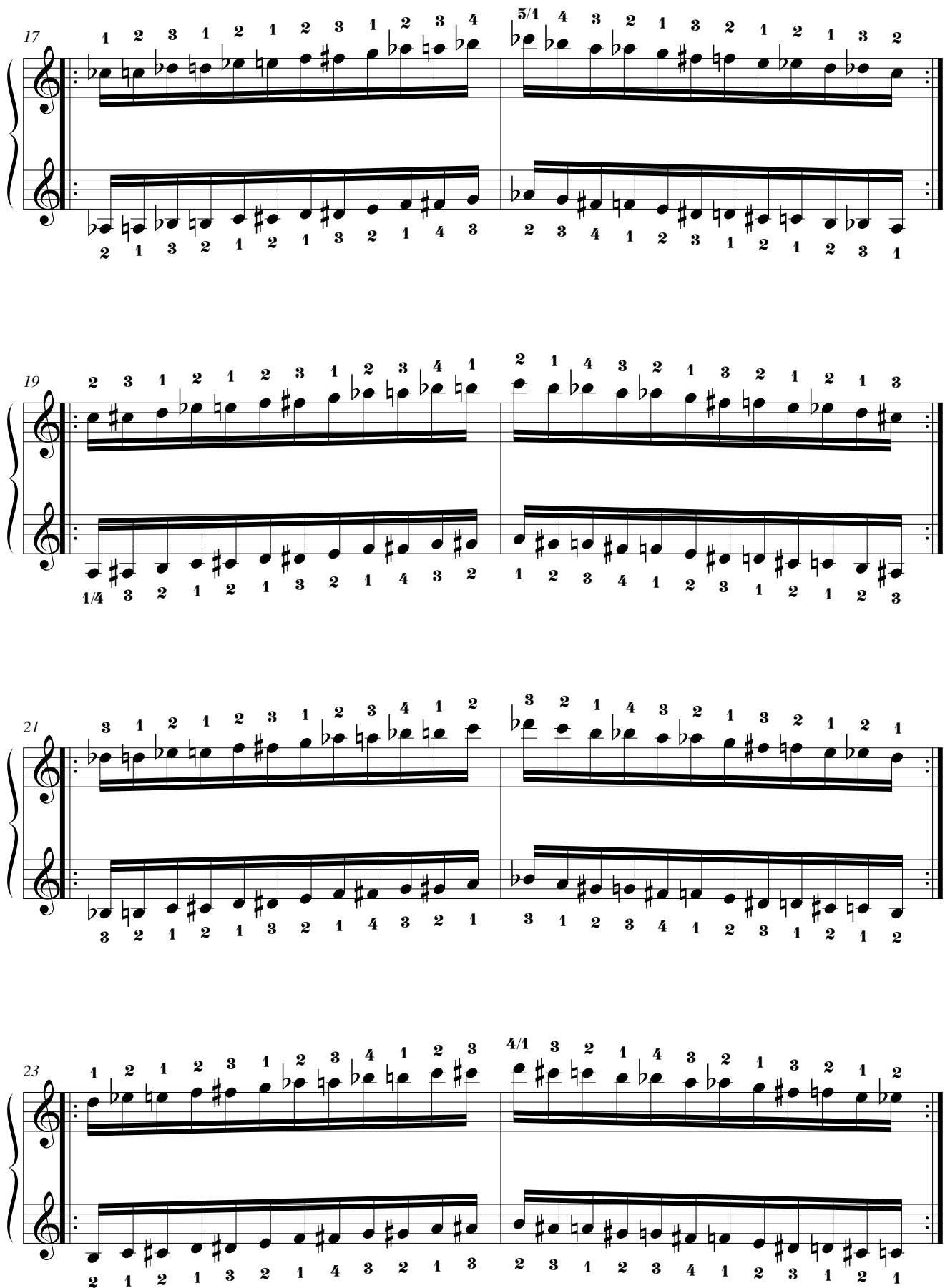
9

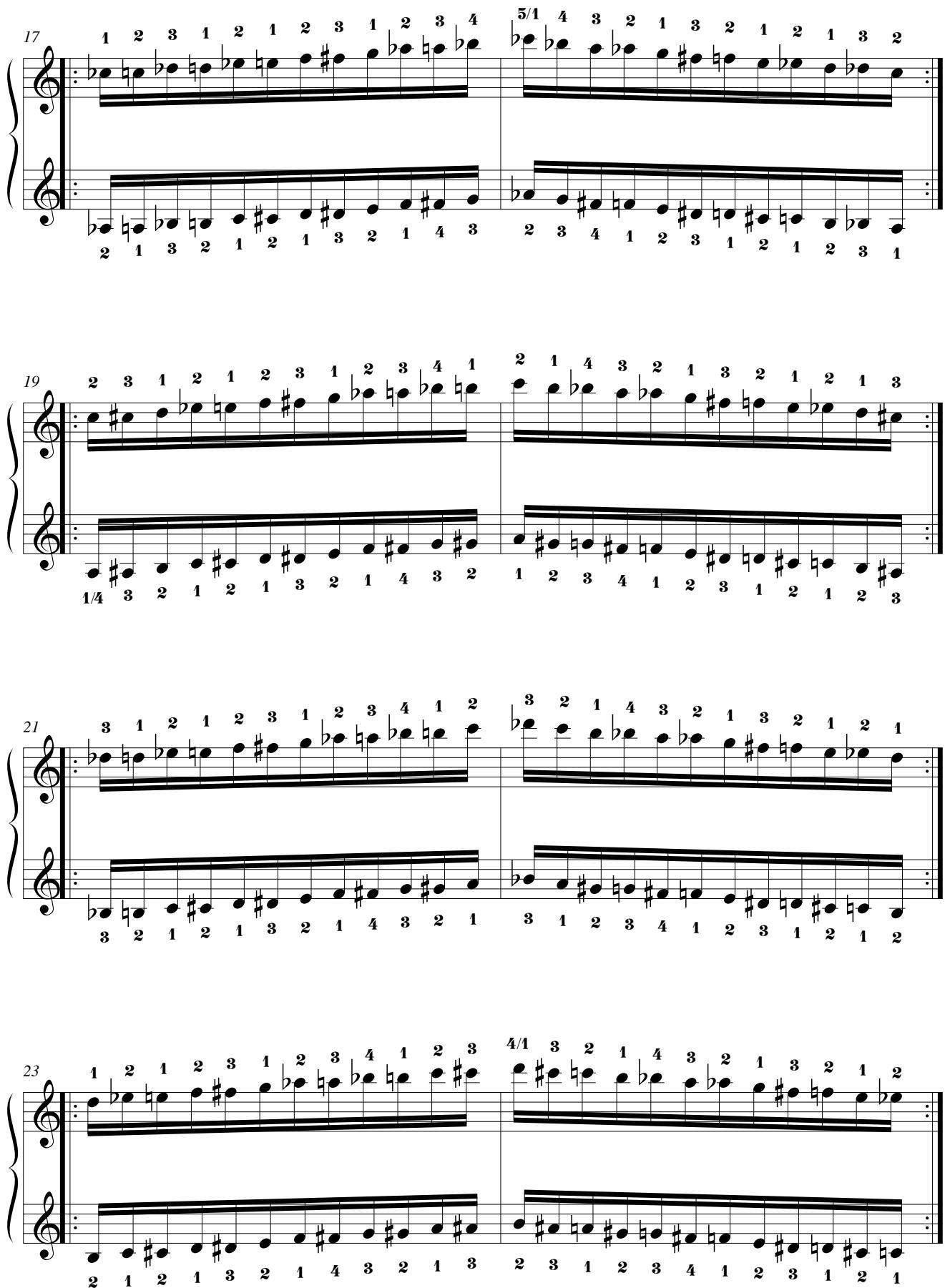
11

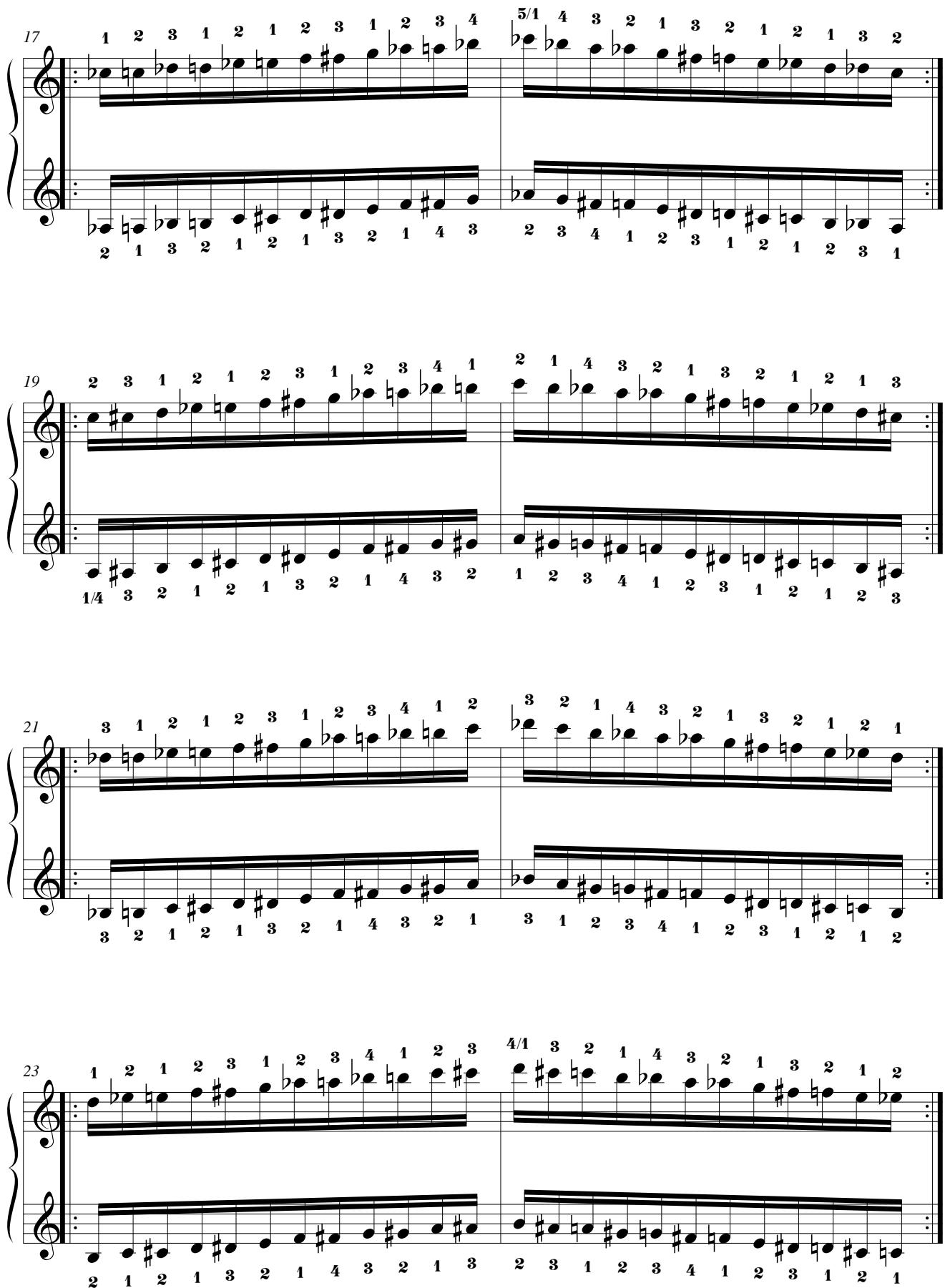
13

15

17      1 2 3 1 2 1 2 3 1 2 3 4      5/4 4 3 2 1 3 2 1 2 1 3 2  


19      2 3 1 2 1 2 3 1 2 3 4 1      2 1 4 3 2 1 3 2 1 2 1 3  


21      3 1 2 1 2 3 1 2 3 4 1 2      3 2 1 4 3 2 1 3 2 1 2 1  


23      1 2 4 2 3 1 2 3 4 1 2 3 4/1 3 2 1 4 3 2 1 3 2 1 2  


## 4.15. A distancia de décima mayor.

The sheet music consists of four staves of musical notation for guitar, arranged vertically. Each staff includes a treble clef, a bass clef, and a key signature of one sharp (F#). Fingerings are indicated above the notes, and a bass tablature is provided below each staff.

**Staff 1:** Fingerings: 1 2 3 1 2 3 4 1 2 3 1 2. Bass tablature: 1/3 2 1 3 2 1 4 3 2 1 3 2.

**Staff 2:** Fingerings: 3 2 3 1 2 3 4 1 2 3 1 2 4. Bass tablature: 2 1 3 2 1 4 3 2 1 3 2 1.

**Staff 3:** Fingerings: 5 3 1 2 3 4 1 2 3 1 2 1 2. Bass tablature: 1/4 3 2 1 4 3 2 1 3 2 1 2.

**Staff 4:** Fingerings: 7 1 2 3 4 1 2 3 1 2 1 2 3. Bass tablature: 3 2 1 4 3 2 1 3 2 1 2 3 4 1 2.

9

2 1 4 3 2 1 3 2 1 2 1 3

11

3 4 1 2 3 1 2 1 2 3 1 2

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

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

13

4 1 2 3 1 2 1 2 3 1 2 3

4 3 2 1 3 2 1 2 3 1 2 1

4 3 2 1 3 2 1 2 3 1 2 3

15

1 2 3 1 2 1 2 3 1 2 3 4

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

1/3 2 1 3 2 1 2 1 3 2 1 2

17

18

19

20

21

22

23