

Peter McKenzie Armstrong

Dreadful '0'

for 10-track autopiano

[Parts]

Opus 12b

Edition Ottaviano Petrucci

Dapper '1'

Tinkering one day with the Fibonacci series, I wondered what might happen if, instead of adding always just the most recent two terms to get the one following, I were to add every pair of terms to get for each pair a new term in between:

starting with	1 2
one iteration giving	1 3 2
the next	1 4 3 5 2
and so on.	

I wrote a short generator (J-language script) and ran it to the point (in iteration #9) where it had output all integers between 1 and 88 — the piano range — at least once.

Except for this sampling's unique final item, all its terms within range had occurred from 2 to 10 times each, with a few dozen others exceeding it.

Given these circumstances, I shaped a progression of equal durations, as follows:

at each instance, a term within key range is allocated to one of 10 unique-volume tracks, according to the term's occurrence tally at that instance;

for each term (MIDI key number) so assigned, a rest is placed in corresponding position on all other tracks;

terms above range are realized as rests on all tracks (i.e., their time component is preserved);

an additional track, a copy of #1 but with the rest slots filled in by extension of their just-previous notes, integrates and highlights the pattern of first occurrences.

Scores

Dapper '1' is written in full score, as it has few enough tracks to fit a 11x17 page. *Dreadful '0'*, with too many to fit, is written instead as separate parts. In any case, neither score is intended to facilitate human performance. The music is for auto-sequencer. I did, however, want to give its overall patterning visual realization. Hence this style — with alto clef exclusively (Middle C in the middle!) to spare the eye an incessant disruption of clef changes. The LilyPond files rework drafts I had initially exported from Rosegarden.

These pieces are named for what strikes me as their "character" — ultimately their comfy vs jagged patterns of volume distribution.

Audio

I built each movement in Rosegarden's matrix editor, exported .mid files, and combined these as one .wav. Playing time is 78 secs.

Dreadful '0'

Then, comeuppance. Browsing at the "On-Line Encyclopedia of Integer Sequences" (OEIS), I encountered for the first time Stern's biatomic array (<https://oeis.org/A002487>).

When run for two iterations beyond the series I had improvised, this one clearly *subsumed* the latter's output!

The difference, Stern seeds "0 1" replacing my hazarded "1 2", exposes something extraordinary at work: with this "0 1" start, every generator iteration first replicates the just-previous one, before appending then a continuation of its own.

OEIS presents several offshoots. My improvised script output the sequence as follows:

starting with	0 1
one iteration giving	0 1 1
the next	0 1 1 2 1
and so on.	

Run this way well into its 11th iteration (to build up from 0), the procedure now filled the 88-slot range only after 1276 terms, accumulating an occurrence-frequency maximum of 42.

Musical realization here, to be conceptually as before, called for selective re-specifying, as follows:

there are now 42 unique-volume-specific tracks, necessarily at much narrower volume differences;

tempo is now 4-fold, to put so many more events into a time span compatible with *Dapper '1'*;

a 3-second coda cascades the first occurrences.

Dreadful '0'
for sequenced MIDI piano

Peter McKenzie Armstrong

Opus 12b

Occurrence 1 (Tempo $\text{♩} = 148$)

Track 1
(Vel=120)

5 2

10 4

17

21 10

35

39

43

69

74

Coda
(♩ = 180)

84

Occurrence 2

Track 2
(Vel=70)

5

9

13

19

23

28

37

41

Musical staff 41: A single staff with a treble clef and a 3/4 time signature. It contains four measures of music. The first measure has a quarter rest. The second measure has a quarter note with a sharp sign. The third measure has a quarter note with a flat sign. The fourth measure has a quarter note with a sharp sign. There are also some eighth notes and rests throughout the staff.

45

Musical staff 45: A single staff with a treble clef and a 3/4 time signature. It contains four measures of music. The first measure has a quarter rest. The second measure has a quarter note with a flat sign. The third measure has a quarter note with a sharp sign. The fourth measure has a quarter note with a flat sign. There is a triplet of eighth notes in the fourth measure, indicated by a '3' above the staff.

51

Musical staff 51: A single staff with a treble clef and a 3/4 time signature. It contains four measures of music. The first measure has a quarter rest. The second measure has a quarter note. The third measure has a quarter note. The fourth measure has a quarter note. There are also some eighth notes and rests throughout the staff.

55

Musical staff 55: A single staff with a treble clef and a 3/4 time signature. It contains four measures of music. The first measure has a quarter note with a flat sign. The second measure has a quarter rest. The third measure has a quarter note. The fourth measure has a quarter note. There are two double bar lines with numbers '2' and '12' above them, indicating a 2-measure and a 12-measure rest.

71

Musical staff 71: A single staff with a treble clef and a 3/4 time signature. It contains four measures of music. The first measure has a quarter rest. The second measure has a quarter note with a flat sign. The third measure has a quarter rest. The fourth measure has a quarter note with a flat sign. There are also some eighth notes and rests throughout the staff.

75

Musical staff 75: A single staff with a treble clef and a 3/4 time signature. It contains four measures of music. The first measure has a triplet of eighth notes, indicated by a '3' above the staff. The second measure has a quarter note with a flat sign. The third measure has a quarter note. The fourth measure has a quarter note. There is a double bar line with a '4' below it at the end of the staff.

Occurrence 3

Track 3
(Vel=69)

The musical score consists of eight staves of music, each beginning with a measure number on the left. The notation is in bass clef with a common time signature (C). The music features a variety of note values, including quarter, eighth, and sixteenth notes, as well as rests. There are several instances of beamed notes and slurs. Dynamic markings, specifically the number '2' and '3', are placed above the staves at measures 13 and 30 respectively. The overall structure is a single melodic line with some rests and dynamic changes.

36 **3**

Musical staff 36-41: A single staff in 3/8 time. It begins with a whole rest for three measures, indicated by a '3' above a thick bar. The melody starts in measure 37 with a quarter note G4, followed by quarter notes A4, B4, and C5 in measures 38, 39, and 40 respectively. Measure 41 contains a quarter note B4 with a flat (Bb4).

42

Musical staff 42-45: A single staff in 3/8 time. Measure 42 has a whole rest. Measure 43 has a quarter note Bb4. Measure 44 has a quarter note C5 with a sharp (C#5). Measure 45 has a quarter note Bb4.

46

Musical staff 46-49: A single staff in 3/8 time. Measure 46 has a whole rest. Measure 47 has a quarter note Bb4. Measure 48 has a quarter note Bb4. Measure 49 has a whole rest.

50

Musical staff 50-53: A single staff in 3/8 time. Measure 50 has a quarter note G4. Measure 51 has a quarter note A4. Measure 52 has a quarter note B4 with a sharp (B#4). Measure 53 has a quarter note A4.

54 **11**

Musical staff 54-67: A single staff in 3/8 time. Measure 54 has a quarter note G4. Measure 55 has a quarter note A4 with a sharp (A#4). Measure 56 has a quarter note B4 with a sharp (B#4). Measure 57 has a quarter note A4. Measure 58 has a quarter note G4 with a sharp (G#4). Measure 59 has a whole rest. Measure 60 has a whole rest. Measure 61 has a whole rest. Measure 62 has a whole rest. Measure 63 has a whole rest. Measure 64 has a whole rest. Measure 65 has a whole rest. Measure 66 has a whole rest. Measure 67 has a quarter note Bb4.

68 **3**

Musical staff 68-73: A single staff in 3/8 time. Measure 68 has a quarter note G4. Measure 69 has a quarter note A4. Measure 70 has a quarter note B4. Measure 71 has a whole rest. Measure 72 has a whole rest. Measure 73 has a quarter note Bb4.

74 **5**

Musical staff 74-79: A single staff in 3/8 time. It begins with a whole rest for five measures, indicated by a '5' above a thick bar. The melody starts in measure 75 with a quarter note Bb4, followed by quarter notes C5, D5, and E5 in measures 76, 77, and 78 respectively. Measure 79 contains a quarter note D5.

Occurrence 4

Track 4
(Vel=68)

Musical score for Track 4, Occurrence 4, measures 1-31. The score is written in bass clef with a common time signature (C). The tempo is marked as (Vel=68). The score consists of seven staves of music. The first staff (measures 1-4) contains a complex rhythmic pattern with many sixteenth notes. The second staff (measures 5-8) continues this pattern. The third staff (measures 9-12) has a more sparse pattern with some rests. The fourth staff (measures 13-16) shows a similar rhythmic structure. The fifth staff (measures 17-22) features a triplet of eighth notes in the first measure, indicated by a '3' above the staff. The sixth staff (measures 23-27) features a double bar line in the first measure, followed by a triplet of eighth notes in the second measure, indicated by a '2' above the staff. The seventh staff (measures 28-31) continues the rhythmic pattern with some accidentals (flats) and rests.

32 Musical staff 32: Treble clef, 2/4 time signature. Measure 1: quarter rest, eighth note G#4, quarter rest. Measure 2: triplet of quarter notes (F#4, G4, A4). Measure 3: quarter note B4, quarter rest. Measure 4: triplet of quarter notes (B4, A4, G4).

39 Musical staff 39: Treble clef, 2/4 time signature. Measure 1: quarter rest, eighth note G4, quarter rest. Measure 2: quarter rest, eighth note A4, quarter rest. Measure 3: triplet of quarter notes (A4, B4, C5). Measure 4: quarter note D5, quarter rest. Measure 5: quarter note E5, quarter rest. Measure 6: quarter note F5, quarter rest.

46 Musical staff 46: Treble clef, 2/4 time signature. Measure 1: quarter rest, eighth note G#4, quarter rest. Measure 2: quarter rest, eighth note A4, quarter rest. Measure 3: quarter note B4, quarter rest. Measure 4: quarter note C5, quarter rest. Measure 5: quarter note D5, quarter rest. Measure 6: quarter note E5, quarter rest. Measure 7: quarter note F5, quarter rest. Measure 8: quarter note G5, quarter rest.

50 Musical staff 50: Treble clef, 2/4 time signature. Measure 1: triplet of quarter notes (G4, A4, B4). Measure 2: quarter rest, eighth note C5, quarter rest. Measure 3: quarter rest, eighth note D5, quarter rest. Measure 4: quarter note E5, quarter rest. Measure 5: quarter note F5, quarter rest. Measure 6: quarter note G5, quarter rest. Measure 7: quarter note A5, quarter rest. Measure 8: quarter note B5, quarter rest.

55 Musical staff 55: Treble clef, 2/4 time signature. Measure 1: quarter note G4, quarter rest. Measure 2: quarter note A4, quarter rest. Measure 3: quarter note B4, quarter rest. Measure 4: quarter note C5, quarter rest. Measure 5: quarter rest, eighth note D5, quarter rest. Measure 6: quarter rest, eighth note E5, quarter rest. Measure 7: triplet of quarter notes (F5, G5, A5). Measure 8: quarter note B5, quarter rest.

60 Musical staff 60: Treble clef, 2/4 time signature. Measure 1: quarter note G4, quarter rest. Measure 2: quarter note A4, quarter rest. Measure 3: quarter note B4, quarter rest. Measure 4: quarter note C5, quarter rest. Measure 5: quarter note D5, quarter rest. Measure 6: quarter note E5, quarter rest. Measure 7: quarter note F5, quarter rest. Measure 8: quarter note G5, quarter rest.

70 Musical staff 70: Treble clef, 2/4 time signature. Measure 1: quarter rest, eighth note G4, quarter rest. Measure 2: triplet of quarter notes (A4, B4, C5). Measure 3: quarter rest, eighth note D5, quarter rest. Measure 4: quarter rest, eighth note E5, quarter rest. Measure 5: quarter note F5, quarter rest. Measure 6: quarter note G5, quarter rest. Measure 7: quarter note A5, quarter rest. Measure 8: quarter note B5, quarter rest.

Occurrence 5

Track 5
(Vel=67)

The musical score consists of eight staves of music, all in bass clef and common time (C). The notation includes various rhythmic values such as eighth and sixteenth notes, rests, and triplet markings. The first staff begins with a common time signature 'C'. The second staff has a measure number '5' at the beginning. The third staff has a measure number '10'. The fourth staff has a measure number '14' and a triplet of eighth notes marked with a '2'. The fifth staff has a measure number '19' and a triplet of eighth notes marked with a '3'. The sixth staff has a measure number '25'. The seventh staff has a measure number '29' and a triplet of eighth notes marked with a '3'. The eighth staff has a measure number '35'. The music features a mix of rhythmic patterns and rests, with some measures containing complex rhythmic figures.

39

43

49

53

60

70

75

Occurrence 6

Track 6
(Vel=66)

The musical score for Track 6, Occurrence 6, is written for a bass instrument in common time (C). The score consists of eight staves, each containing four measures. The notation includes various rhythmic values such as eighth and sixteenth notes, rests, and slurs. The first staff begins with a treble clef, a common time signature, and a dynamic marking of 66 . The piece is in a key signature of one sharp (F#). The score includes several slurs, with some marked with the number '2' (measures 21-22 and 26-27) and one marked with the number '3' (measures 31-32). The notation is dense, with many notes beamed together, suggesting a fast or intricate rhythmic pattern.

Musical score for guitar, measures 37-78. The score is written in treble clef with a key signature of one flat (B-flat). The time signature is 6/8. The score consists of eight staves, each starting with a measure number. Measure 37 features a triplet of eighth notes. Measure 47 features a triplet of eighth notes. Measure 61 features a 7-measure rest and a 4-measure rest. Measure 78 ends with a double bar line.

37 **3**

43

47 **3**

53

57

61 **7** **4**

74

78

Occurrence 7

Track 7
(Vel=65)

2

6

10

14

18

22

26

30

2

35

39

47

52

56

60

69

74

Detailed description: This is a musical score for guitar, consisting of eight staves of music. The notation is in standard guitar clef (treble clef with a one-line extension) and 6/8 time. The score includes various rhythmic patterns, including eighth and sixteenth notes, rests, and slurs. Measure numbers 35, 39, 47, 52, 56, 60, 69, and 74 are indicated at the beginning of their respective staves. Some measures contain multi-measure rests, with the number of measures indicated above the staff (e.g., 3, 2, 6, 2). The music concludes with a double bar line at the end of the eighth staff.

Occurrence 8

Track 8
(Vel=64)

Musical score for Track 8, Occurrence 8, measures 1-30. The score is written in bass clef with a common time signature (C). The tempo is marked as (Vel=64). The score consists of six staves, each containing four measures. Measure numbers 6, 10, 15, 21, 25, and 29 are indicated at the beginning of their respective staves. The notation includes various rhythmic values, accidentals, and dynamic markings. A '2' is written above the first staff, and a '3' is written above the fourth staff. The score ends with a double bar line at the end of the sixth staff.

33 **2** **2**

39 **4**

46 **2**

51 **2**

56

60

64 **6** **3**

75 **4**

Detailed description: This is a musical score for guitar, consisting of eight staves of music. Each staff begins with a measure number and a fingering number. The music is written in a treble clef with a key signature of one sharp (F#). The notation includes various rhythmic values, slurs, and accidentals. Measure 33 features a double bar line with a '2' above it, followed by a quarter rest, an eighth note with a sharp sign, and another quarter rest. Measure 39 has a double bar line with a '4' above it. Measure 46 has a double bar line with a '2' above it. Measure 51 has a double bar line with a '2' above it. Measure 56 contains a complex sequence of notes with slurs and accidentals. Measure 60 is similar to measure 56. Measure 64 has a double bar line with a '6' above it, followed by a quarter rest, an eighth note with a sharp sign, and another quarter rest. Measure 75 has a double bar line with a '4' above it. The score ends with a double bar line.

Occurrence 9

Track 9
(Vel=63)

3

7

11

15

2

20

2

25

2

30

Musical score for guitar, measures 34-73. The score is written in 6/8 time and features various rhythmic patterns and fingerings. The measures are numbered 34, 38, 45, 50, 54, 62, 68, and 73. The notation includes eighth notes, quarter notes, and rests, with some measures containing fingerings (2, 3, 5) and accidentals (b, #). The score concludes with a double bar line at measure 73.

Occurrence 10

Track 10
(Vel=62)

The musical score consists of six staves of music, each with a treble clef and a common time signature (C). The notation includes various rhythmic values such as eighth and sixteenth notes, rests, and slurs. The score is annotated with measure numbers and dynamic markings:

- Staff 1: Measure 3 is marked with a '3' above the staff.
- Staff 2: Measure 7 is marked with a '7' above the staff. Measure 11 is marked with a '2' above the staff.
- Staff 3: Measure 12 is marked with a '12' above the staff.
- Staff 4: Measure 16 is marked with a '16' above the staff.
- Staff 5: Measure 20 is marked with a '20' above the staff.
- Staff 6: Measure 24 is marked with a '24' above the staff. Measure 28 is marked with a '2' above the staff.

29 **3**

35

39

43 **2**

48 **3**

54 **2**

59

64 **3**

70

74

Musical notation for measures 70-77. Measure 70 starts with a treble clef, a key signature of one flat (B-flat), and a common time signature. It contains a sequence of eighth notes with stems pointing up and down. Measure 71 continues this sequence. Measure 72 has a whole rest. Measure 73 has a whole rest. Measure 74 has a whole rest. Measure 75 has a whole rest. Measure 76 has a whole rest with a '2' above it, indicating a double bar line. Measure 77 has a whole rest.

Occurrence 11

Track 11
(Vel=61)

Musical notation for measures 11-20. Measure 11 starts with a treble clef, a key signature of one flat (B-flat), and a common time signature. It contains a sequence of eighth notes with stems pointing up and down. Measure 12 has a whole rest. Measure 13 has a whole rest. Measure 14 has a whole rest. Measure 15 has a whole rest. Measure 16 has a whole rest. Measure 17 has a whole rest. Measure 18 has a whole rest. Measure 19 has a whole rest with a '4' above it, indicating a double bar line. Measure 20 has a whole rest.

25

29

35

41

49

57

63

68

Detailed description: This is a musical score for guitar, written in 9/8 time. The score consists of eight staves, each representing a measure of music. The key signature has one flat (B-flat). The notation includes various rhythmic values such as eighth notes, quarter notes, and half notes, along with rests. Fingerings are indicated by numbers 1-5 above notes. Slurs are used to group notes across measures. Measure numbers 25, 29, 35, 41, 49, 57, 63, and 68 are printed at the beginning of their respective staves. The music features a mix of melodic lines and rhythmic patterns, with some measures containing complex rhythmic figures.

75


Occurrence 12

Track 12
(Vel=60)

33 **3**



39 **5**



47



51 **3**



57 **4**



64 **3** **2**



71 **4**



78



Occurrences 13

Track 13
(Vel=59)

The musical score consists of five staves of music, each starting with a measure number on the left. The notation includes rests, eighth notes, and sixteenth notes, with some notes having stems pointing downwards. Above the staves, there are numerical annotations: a '6' above the first staff, a '2' above the second staff, a '3' above the third staff, a '3' above the fourth staff, and a '3' above the fifth staff. The first staff begins with a treble clef, a common time signature 'C', and a key signature of one flat. The second staff begins with a bass clef. The third staff begins with a bass clef and a key signature of one sharp. The fourth and fifth staves begin with a bass clef and a key signature of one flat. The notes are primarily eighth and sixteenth notes, often grouped together.

Musical score for guitar in 6/8 time, measures 35-71. The score is written on a single staff with a treble clef and a key signature of one flat (B-flat). The time signature is 6/8. The piece features various rhythmic patterns, including eighth and sixteenth notes, and rests. Measure numbers 35, 39, 44, 52, 56, 60, 67, and 71 are indicated at the beginning of their respective lines. Measure 39 contains a double bar line with a '2' above it, indicating a two-measure rest. Measure 44 contains a double bar line with a '4' above it, indicating a four-measure rest. Measure 60 contains a double bar line with a '4' above it, indicating a four-measure rest. Measure 71 contains a double bar line with a '4' above it, indicating a four-measure rest, followed by a two-measure rest (indicated by a '2' above the bar line) and concludes with a double bar line. The notation includes various accidentals, such as flats and sharps, and slurs over groups of notes.

Occurrence 14

Track 14
(Vel=58)

The musical score consists of six staves of music, each with a treble clef and a common time signature (C). The score includes various musical notations such as rests, eighth notes, and sixteenth notes, along with specific fingering and articulation markings.

- Staff 1 (Measures 1-4):** Measure 1 contains a whole rest with a '7' above it. Measure 2 is a whole rest. Measure 3 contains two eighth notes with stems pointing down. Measure 4 contains two eighth notes with stems pointing down.
- Staff 2 (Measures 5-8):** Measure 5 contains a whole rest with a '2' above it. Measure 6 contains two eighth notes with stems pointing down. Measure 7 contains a whole rest. Measure 8 contains two eighth notes with stems pointing down.
- Staff 3 (Measures 9-12):** Measure 9 is a whole rest. Measure 10 contains two eighth notes with stems pointing down. Measure 11 contains two eighth notes with stems pointing down. Measure 12 contains a whole rest.
- Staff 4 (Measures 13-16):** Measure 13 is a whole rest. Measure 14 contains a whole rest with a '5' above it. Measure 15 contains a whole rest. Measure 16 contains two eighth notes with stems pointing down.
- Staff 5 (Measures 17-24):** Measure 17 contains a whole rest with a '2' above it. Measure 18 is a whole rest. Measure 19 contains two eighth notes with stems pointing down. Measure 20 contains two eighth notes with stems pointing down. Measure 21 contains two eighth notes with stems pointing down. Measure 22 contains two eighth notes with stems pointing down. Measure 23 contains two eighth notes with stems pointing down. Measure 24 contains two eighth notes with stems pointing down.
- Staff 6 (Measures 25-32):** Measure 25 contains a whole rest with a '2' above it. Measure 26 is a whole rest. Measure 27 contains two eighth notes with stems pointing down. Measure 28 contains two eighth notes with stems pointing down. Measure 29 contains two eighth notes with stems pointing down. Measure 30 contains a whole rest. Measure 31 contains a whole rest. Measure 32 contains two eighth notes with stems pointing down.
- Staff 7 (Measures 33-36):** Measure 33 is a whole rest. Measure 34 contains two eighth notes with stems pointing down. Measure 35 contains two eighth notes with stems pointing down. Measure 36 contains a whole rest with a '3' above it.

Measure numbers 11, 17, 25, 30, and 35 are indicated on the left side of the staves. A measure number '27' is written below the staff containing measures 27 and 28.

41

45

54

58

62

67

72

Occurrence 15

Track 15
(Vel=57)

The musical score consists of six staves of music, each starting with a treble clef and a common time signature (C). The score includes various rhythmic markings and accidentals:

- Staff 1: Starts with a whole rest (marked '8'), followed by eighth notes, a quarter rest, and another eighth note.
- Staff 2: Starts with a whole rest (marked '2'), followed by eighth notes, a quarter rest, another eighth note, a whole rest (marked '2'), and eighth notes.
- Staff 3: Starts with a quarter rest, eighth notes, a quarter rest, a whole rest (marked '4'), eighth notes, a quarter rest, and eighth notes.
- Staff 4: Starts with a whole rest (marked '3'), eighth notes, a quarter rest, eighth notes, a whole rest (marked '3'), eighth notes, and a quarter rest.
- Staff 5: Starts with a quarter rest, eighth notes, a whole rest (marked '2'), eighth notes, a quarter rest, and eighth notes.
- Staff 6: Starts with eighth notes, a quarter rest, eighth notes, a quarter rest, a whole rest (marked '5'), eighth notes, and a quarter rest.

48 **5**

56

60 **2**

65 **2**

70 **2** **2**

76 **2**

Occurrence 16

Track 16
(Vel=56)

9

13 **2** **2**

19 **4**

27 **2**

32 **7**

42 **4**

49 **8**

60 **b** **b**

64

Musical staff 64-69. Measure 64 contains a triplet of eighth notes. Measure 65 contains a whole rest. Measure 66 contains a whole rest. Measure 67 contains a quarter note. Measure 68 contains a quarter note. Measure 69 contains a quarter note.

70

Musical staff 70-74. Measure 70 contains a whole rest. Measure 71 contains a whole rest. Measure 72 contains a quarter note. Measure 73 contains a quarter note. Measure 74 contains a quarter note.

Occurrence 17

Track 17
(Vel=55)

11

Musical staff 11-14. Measure 11 contains a whole rest. Measure 12 contains a whole rest. Measure 13 contains a quarter note. Measure 14 contains a quarter note.

15

Musical staff 15-19. Measure 15 contains a whole rest. Measure 16 contains a quarter note. Measure 17 contains a triplet of eighth notes. Measure 18 contains a quarter note. Measure 19 contains a quarter note.

22

Musical staff 22-25. Measure 22 contains a whole rest. Measure 23 contains a quarter note. Measure 24 contains a whole rest. Measure 25 contains a quarter note.

32

Musical staff 32-36. Measure 32 contains a whole rest. Measure 33 contains a quarter note. Measure 34 contains a whole rest. Measure 35 contains a whole rest. Measure 36 contains a quarter note.

37

Musical staff 37-40. Measure 37 contains a whole rest. Measure 38 contains a whole rest. Measure 39 contains a quarter note. Measure 40 contains a quarter note.

45 **2**

50 **5** **3**

60 **5**

68 **2**

73

Occurrence 18

Track 18
(Vel=54)

12

16 4

23 6

32 2 3

39 5 4

50 10 2

64 3

70

74

Detailed description: This is a musical score for a bass clef instrument, likely a double bass, in 3/4 time. The score consists of eight staves, each starting with a measure number. The first staff (16) contains a quarter rest, followed by two eighth notes (G2, F2), a quarter rest, a four-measure rest (fingered 4), a quarter note (G2), and a quarter rest. The second staff (23) contains a quarter rest, a quarter note (F2), a quarter rest, a six-measure rest (fingered 6), a quarter rest, a quarter note (E2), and a quarter rest. The third staff (32) contains a quarter rest, a quarter note (D2), a quarter rest, a two-measure rest (fingered 2), a quarter note (C2), a quarter rest, a three-measure rest (fingered 3), and a quarter rest. The fourth staff (39) contains a quarter note (B1), a quarter rest, a five-measure rest (fingered 5), a quarter note (A1), a quarter rest, a quarter note (G1), a quarter rest, a four-measure rest (fingered 4), and a quarter rest. The fifth staff (50) contains a quarter note (F1), a quarter rest, a ten-measure rest (fingered 10), a quarter note (E1), a quarter rest, a two-measure rest (fingered 2), and a quarter rest. The sixth staff (64) contains a quarter rest, a quarter note (D1), a quarter rest, a three-measure rest (fingered 3), a quarter rest, a quarter note (C1), a quarter rest, a quarter note (B1), a quarter rest, and a quarter note (A1). The seventh staff (70) contains a quarter rest, a quarter note (G1), a quarter rest, a quarter note (F1), a quarter rest, a quarter note (E1), a quarter rest, a quarter note (D1), a quarter rest, and a quarter note (C1). The eighth staff (74) contains a quarter note (B1), a quarter rest, a quarter note (A1), a quarter rest, a quarter note (G1), a quarter rest, a quarter note (F1), a quarter rest, a quarter note (E1), a quarter rest, and a quarter note (D1). The score ends with a double bar line.

Occurrence 19

Track 19
(Vel=53)

14

18

26

33

41

52

56

4

2

4

4

5

4

4

63 **2** **3**

70 **3** **5**

Occurrence 20

Track 20
(Vel=52)

15

19 **4** **2**

27 **3**

33 **3** **3**

41 **3** **5**

51 **4** **2**

59 **3** **8**

72 **6**

Occurrence 21

Track 21
(Vel=51) **16** **2**

21 **6**

30 **3** **9**

44 **2**

49 **3** **5**

59 **2** **4**

67 **6**

Occurrence 22

Track 22 **18**
(Vel=50)

23 **6**

32 **10**

46 **2**

51 2 6

61 3 4

70 8

Occurrence 23

Track 23
(Vel=49)

20 2

25 6 3

36 12 5

55 6

64 6

Occurrence 24

Track 24
(Vel=48)

The musical score consists of six staves, each with a measure number at the beginning. The notation includes rests, eighth notes, and quarter notes. Some notes have stems pointing downwards. The staves are as follows:

- Staff 1 (Measure 23):** A whole rest followed by a quarter rest, then an eighth note with a downward stem, an eighth rest, a quarter note with a downward stem, a quarter rest, an eighth note with a downward stem, an eighth rest, a quarter note with a downward stem, and a quarter rest.
- Staff 2 (Measure 27):** A whole rest, an eighth note with a downward stem, an eighth rest, a quarter note with a downward stem, a quarter rest, a whole rest, an eighth note with a downward stem, an eighth rest, a quarter note with a downward stem, and a quarter rest.
- Staff 3 (Measure 38):** A whole rest, an eighth note with a downward stem, an eighth rest, a quarter note with a downward stem, a quarter rest, a whole rest, an eighth note with a downward stem, an eighth rest, a quarter note with a downward stem, and a quarter rest.
- Staff 4 (Measure 50):** A whole rest, a quarter rest, an eighth note with a downward stem, an eighth rest, a quarter note with a downward stem, a quarter rest, a whole rest, an eighth note with a downward stem, an eighth rest, a quarter note with a downward stem, and a quarter rest.
- Staff 5 (Measure 59):** A whole rest, an eighth note with a downward stem, an eighth rest, a quarter note with a downward stem, a quarter rest, an eighth note with a downward stem, an eighth rest, a quarter note with a downward stem, a quarter rest, an eighth note with a downward stem, an eighth rest, a quarter note with a downward stem, and a quarter rest.
- Staff 6 (Measure 66):** A whole rest, an eighth note with a downward stem, an eighth rest, a quarter note with a downward stem, a quarter rest, a whole rest, an eighth note with a downward stem, an eighth rest, a quarter note with a downward stem, and a quarter rest.

Occurrence 25

Track 25
(Vel=47)

24 2

30 2 6

40 11 6

60 4

67 5 6

Occurrence 26

Track 26
(Vel=46)

27 2

32

36

55

63

71

Detailed description: This block contains five musical staves, each with a measure number at the beginning. Staff 32 (measures 32-35) shows a sequence of notes with stems pointing down, including a 5-fingered chord. Staff 36 (measures 36-39) features a 12-measure rest followed by notes. Staff 55 (measures 55-58) includes a 5-measure rest. Staff 63 (measures 63-66) has 4-measure and 2-measure rests. Staff 71 (measures 71-74) has a 4-measure rest and ends with a double bar line.

Occurrence 27

Track 27
(Vel=45)

29

42

Detailed description: This block contains two musical staves for 'Track 27'. The first staff (measures 29-32) starts with a treble clef, a common time signature (C), and a 29-measure rest. The second staff (measures 42-45) shows notes with stems pointing down, including a 42-measure rest.

34 **2** **6**

44 **12** **10**

69 **2**

Occurrence 28

Track 28
(Vel=44)

31 **6**

40 **6** **11**

59 **12**

74 **3**

Occurrence 29

Track 29
(Vel=43)

32 6

41 4 2

50 11 2

65 11


Occurrence 30

Track 30
(Vel=42)

35

39 6 4

51 9

63 

Occurrence 31

Track 31
(Vel=41) 

43  

52  

60  

Occurrence 32

Track 32
(Vel=40)  

49

57

67

Occurrence 33

Track 33
(Vel=39)

47

52

60

69

Occurrence 34

Track 34
(Vel=38)

48 6

57 3

63 9 4

Occurrence 35

Track 35
(Vel=37)

53 3

59

63 11

Occurrence 36

Track 36
(Vel=36)

56 3

62 15

Occurrence 37

Track 37
(Vel=35)

60

64

Occurrence 38

Track 38
(Vel=34)

63

Occurrence 39

Track 39
(Vel=33)

64 2

69 4

Occurrence 40

Track 40
(Vel=32)

66 4

Occurrence 41

Track 41
(Vel=31)

71 6

Occurrence 42

Track 42
(Vel=30)

77