

# Mod Fibonacci

Sheet Music - Finite Melodies for an Infinite Set

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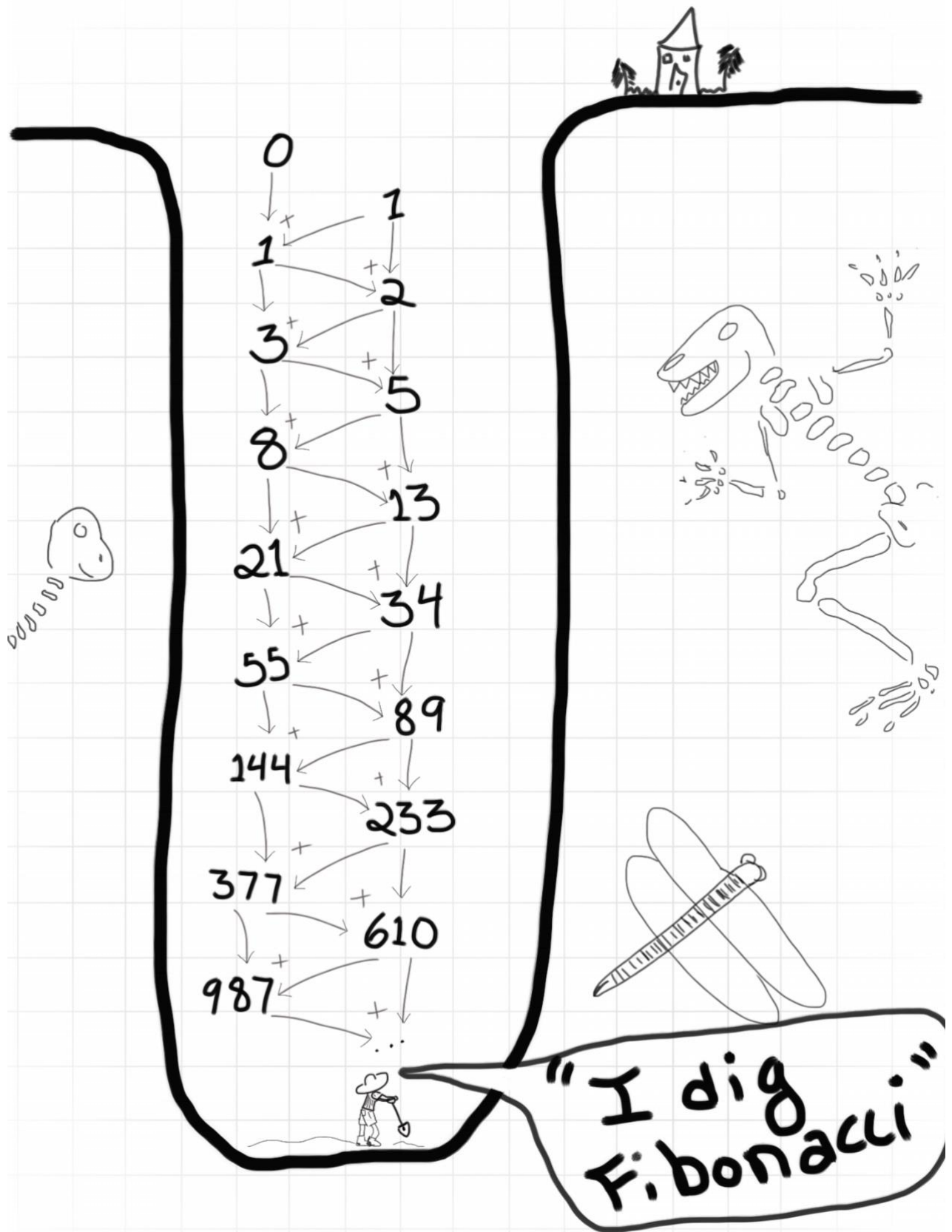


Illustration from "Marie's Atlas"

# Fibonacci - 1 : "Om Singularity"

Sophia Wood

$k = 1, |P| = 1$

0

Repeat infinitely

Set  $P_1 = \{0\}$  and  $0 = \text{Middle C}$

---

# Fibonacci - 2

Sophia Wood

$k = 2, |P| = 3$

0 1 1

Repeat infinitely

Set  $P_2 = \{0, 1, 1\}$  and  $0 = \text{Middle C}$

---

# Fibonacci - 3

Sophia Wood

$k = 3, |P| = 8$

0 1 1 2 0 2 2 1

Repeat infinitely

Set  $P_3 = \{0, 1, 1, 2, 0, 2, 2, 1\}$  and  $0 = \text{Middle C}$

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# Fibonacci - 4

Sophia Wood

k = 4, |P| = 6



Repeat infinitely

Set  $P_4 = \{0, 1, 1, 2, 3, 1\}$  and 0 = Middle C

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# Fibonacci - 5

Sophia Wood

k = 5, |P| = 20



Repeat infinitely

Set  $P_5 = \{0, 1, 1, 2, 3, 0, 3, 3, 1, 4, 0, 4, 4, 3, 2, 0, 2, 2, 4, 1\}$  and 0 = Middle C

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# Fibonacci - 6

Sophia Wood

k = 6, |P| = 24



Repeat infinitely

Set  $P_6 = \{0, 1, 1, 2, 3, 5, 2, 1, 3, 4, 1, 5, 0, 5, 5, 4, 3, 1, 4, 5, 3, 2, 5, 1\}$  and 0 = Middle C

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# Fibonacci - 7

Sophia Wood

$k = 7, |P| = 16$



Repeat infinitely

Set  $P_7 = \{0, 1, 1, 2, 3, 5, 1, 6, 0, 6, 6, 5, 4, 2, 6, 1\}$  and 0 = Middle C

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# Fibonacci - 8

Sophia Wood

$k = 8, |P| = 12$



Repeat infinitely

Set  $P_8 = \{0, 1, 1, 2, 3, 5, 0, 5, 5, 2, 7, 1\}$  and 0 = Middle C

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# Fibonacci - 9

Sophia Wood

$k = 9, |P| = 24$



Repeat infinitely

Set  $P_9 = \{0, 1, 1, 2, 3, 5, 8, 4, 3, 7, 1, 8, 0, 8, 8, 7, 6, 4, 1, 5, 6, 2, 8, 1\}$  and 0 = Middle C

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# Fibonacci - 10

Sophia Wood

$k = 10, |P| = 60$

0 1 1 2 3 5 8 3 1 4 5 9 4 3 7 0 7 7 4 1

6  
5 6 1 7 8 5 3 8 1 9 0 9 9 8 7 5 2 7 9 6

11  
5 1 6 7 3 0 3 3 6 9 5 4 9 3 2 5 7 2 9 1

Repeat infinitely

Set  $P_{10} = \{0, 1, 1, 2, 3, 5, 8, 3, 1, 4, 5, 9, 4, 3, 7, 0, 7, 7, 4, 1, 5, 6, 1, 7, 8, 5, 3, 8, 1, 9, 0, 9, 9, 8, 7, 5, 2, 7, 9, 6, 5, 1, 6, 7, 3, 0, 3, 3, 6, 9, 5, 4, 9, 3, 2, 5, 7, 2, 9, 1\}$  and 0 = Middle C

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# Fibonacci - 11

Sophia Wood

$k = 11, |P| = 10$

0 1 1 2 3 5 8 2 10 1

Repeat infinitely

Set  $P_{11} = \{0, 1, 1, 2, 3, 5, 8, 2, 10, 1\}$  and 0 = Middle C

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# Fibonacci - 12

Sophia Wood

k = 12, |P| = 24

0 1 1 2 3 5 8 1 9 10 7 5 0 5 5 10 3 1 4 5 7 2 11 1

Repeat infinitely

Set  $P_{12} = \{0, 1, 1, 2, 3, 5, 8, 1, 9, 10, 7, 5, 0, 5, 5, 10, 3, 1, 4, 5, 9, 2, 11, 1\}$  and 0 = Middle C

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# Fibonacci - 13 : Fib Jam

Sophia Wood

k = 13, |P| = 28

0 1 1 2 3 5 8 0 8 8 3 11 1 12 0 12 12 11 10 8 5 0 5 5 10 2 12 1

Repeat infinitely

Set  $P_{13} = \{0, 1, 1, 2, 3, 5, 8, 0, 8, 8, 3, 11, 1, 12, 0, 12, 12, 11, 10, 8, 5, 0, 5, 5, 10, 2, 12, 1\}$  and 0 = Middle C

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# Fibonacci - 14

Sophia Wood

k=14, |P| = 48

0 1 1 2 3 5 8 13 7 6 13 5 4 9 13 8 7 1 8 9 3 12 1 13

7

0 13 13 12 11 9 6 1 7 8 1 9 10 5 1 6 7 13 6 5

Repeat infinitely

Set  $P_{14} = \{0, 1, 1, 2, 3, 5, 8, 13, 7, 6, 13, 5, 4, 9, 13, 8, 7, 1, 8, 9, 3, 12, 1, 13, 0, 13, 13, 12, 11, 9, 6, 1, 7, 8, 1, 9, 10, 5, 1, 6, 7, 13, 6, 5, 11, 2, 13, 1\}$  and 0 = Middle C

---

# Fibonacci - 15

Sophia Wood

k=15, IPI = 40

Repeat infinitely

Set  $P_{15} = \{0, 1, 1, 2, 3, 5, 8, 13, 6, 4, 10, 14, 9, 8, 2, 10, 12, 7, 4, 11, 0, 11, 11, 7, 3, 10, 13, 8, 6, 14, 5, 4, 9, 13, 7, 5, 12, 2, 14, 1\}$  and 0 = Middle C

---

# Fibonacci - 16

Sophia Wood

k=16, IPI = 24

Repeat infinitely

Set  $P_{16} = \{0, 1, 1, 2, 3, 5, 8, 13, 5, 2, 7, 9, 0, 9, 9, 2, 11, 13, 8, 5, 13, 2, 15, 1\}$  and 0=Middle C

---



# Fibonacci - 17

Sophia Wood

k=17, |P| = 36

0 1 1 2 3 5 8 13 4 0 4 4 8 12 3 15 1 16 0 16

6  
16 15 14 12 9 4 13 0 13 13 9 5 14 2 16 1

Repeat infinitely

Set  $P_{17} = \{0, 1, 1, 2, 3, 5, 8, 13, 4, 0, 4, 4, 8, 12, 3, 15, 1, 16, 0, 16, 16, 15, 14, 12, 9, 4, 13, 0, 13, 13, 9, 5, 14, 2, 16, 1\}$  and 0 = Middle C

---

# Fibonacci - 18

Sophia Wood

k=18, |P| = 36

0 1 1 2 3 5 8 13 3 16 1 17 0 17 17 16 15 13 10 5 15 2 17 1

Repeat infinitely

Set  $P_{18} = \{0, 1, 1, 2, 3, 5, 8, 13, 3, 16, 1, 17, 0, 17, 17, 16, 15, 13, 10, 5, 15, 2, 17, 1\}$  and 0 = Middle C

---

# Fibonacci - 19

Sophia Wood

k=19, IPI = 18

Repeat infinitely

Set  $P_{19} = \{0, 1, 1, 2, 3, 5, 8, 13, 2, 15, 17, 13, 11, 5, 16, 2, 18, 1\}$  and 0 = Middle C

---

# Fibonacci - 20

Sophia Wood

k = 20, IPI = 60

6

11

Repeat infinitely

Set  $P_{20} = \{0, 1, 1, 2, 3, 5, 8, 13, 1, 14, 15, 9, 4, 13, 17, 10, 7, 17, 4, 1, 5, 6, 11, 17, 8, 5, 13, 18, 11, 9, 0, 9, 9, 18, 7, 5, 12, 17, 9, 6, 15, 1, 16, 17, 13, 10, 3, 13, 16, 9, 5, 14, 19, 13, 12, 5, 17, 2, 19, 1\}$  and 0 = Middle C

---

# Fibonacci - 21

Sophia Wood

$k = 21, |P| = 16$

Musical notation for Fibonacci - 21, showing a sequence of notes on a staff with corresponding Fibonacci numbers below: 0, 1, 1, 2, 3, 5, 8, 13, 0, 13, 13, 5, 18, 2, 20, 1.

Repeat infinitely

Set  $P_{21} = \{0, 1, 1, 2, 3, 5, 8, 13, 0, 13, 13, 5, 18, 2, 20, 1\}$  and  $0 = \text{Middle C}$

---

# Fibonacci - 22

Sophia Wood

$k = 22, |P| = 30$

Musical notation for Fibonacci - 22, showing a sequence of notes on a staff with corresponding Fibonacci numbers below: 0, 1, 1, 2, 3, 5, 8, 13, 21, 12, 11, 1, 12, 13, 3, 16, 19, 13, 10, 1, 11, 12, 1, 13, 14, 5, 19, 2, 21, 21.

Repeat infinitely

Set  $P_{22} = \{0, 1, 1, 2, 3, 5, 8, 13, 21, 12, 11, 1, 12, 13, 3, 16, 19, 13, 10, 1, 11, 12, 1, 13, 14, 5, 19, 2, 21, 1\}$  and  $0 = \text{Middle C}$

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## Fibonacci - 23

Sophia Wood

k=23, IPI = 48

Repeat infinitely

Set  $P_{23} = \{0, 1, 1, 2, 3, 5, 8, 13, 21, 11, 9, 20, 6, 3, 9, 12, 21, 10, 8, 18, 3, 21, 1, 22, 0, 22, 22, 21, 20, 18, 15, 10, 2, 12, 14, 3, 17, 20, 14, 11, 2, 13, 15, 5, 20, 2, 22, 1\}$  and 0 = Middle C

---

## Fibonacci - 24

Sophia Wood

k = 24, IPI = 24

Repeat infinitely

Set  $P_{24} = \{0, 1, 1, 2, 3, 5, 8, 13, 21, 10, 7, 17, 0, 17, 17, 10, 3, 13, 16, 5, 21, 2, 23, 1\}$  and 0 = Middle C

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Combos:

## Fibonacci - 10 and Fibonacci - 20

Sophia Wood

Two pieces together - the harmonies are 10 half steps apart

Repeat infinitely

## Fibonacci - 7 and Fibonacci - 21

Sophia Wood

Two pieces together - the harmonies are 7 or 14 half steps apart

Repeat infinitely

# Fibonacci - 12 and Fibonacci - 24

Sophia Wood

0 1 1 2 3 5 8 1 9 10 7 5 0 5 5 10 3 1 4 5 7 2 11 1  
0 1 1 2 3 5 8 13 21 10 7 17 0 17 17 10 3 13 16 5 21 2 23 1

Repeat infinitely