

## Fiche réponse : mikados

$$u_0 = 1673$$

$$u_0 = 124$$

### 1 Génération de segments

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- 1) a) 27539 a)  
b) 50263 b)  
c) 9356 c)
- 2) a)  $-6/25 x + 51$  a)  
b)  $6/25 x + 38$  b)  
c)  $-29/100 x + 49$  c)

### 2 Coloriage d'un mikado

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- 3) a) 2 a)  
b) 1 b)  
c) 2 c)

### 3 Nœuds d'un mikado

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- 4) a) 19 a)  
b) 77 b)  
c) 578 c)

- 5) a) (10/9, 41/9) a)  
b) (5/3, 127/12) b)  
c) (25/21, 1397/42) c)
- 6) a) 15 a)  
b) 69 b)  
c) 544 c)
- 7) a) 28 a)  
b) 94 b)  
c) 611 c)

### 4 Tranches de mikado

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- 8) a) 11 a)  
b) 23 b)  
c) 226 c)
- 9) a) 1, 21, 20, 18, 24 a)  
b) 1, 36, 57, 61, 56 b)  
c) 1, 60, 136, 387, 289 c)
- 10) a) 9 a)  
b) 33 b)  
c) 287 c)

$$u_0 = 1673$$

$$u_0 = 126$$

### 1 Génération de segments

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- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

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- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

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- |    |                       |    |
|----|-----------------------|----|
| 4) | a) 19                 | a) |
|    | b) 77                 | b) |
|    | c) 578                | c) |
| 5) | a) $(10/9, 41/9)$     | a) |
|    | b) $(5/3, 127/12)$    | b) |
|    | c) $(25/21, 1397/42)$ | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

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- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |

$$u_0 = 1673$$

$$u_0 = 140$$

### 1 Génération de segments

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- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

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- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

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- |    |                       |    |
|----|-----------------------|----|
| 4) | a) 19                 | a) |
|    | b) 77                 | b) |
|    | c) 578                | c) |
| 5) | a) $(10/9, 41/9)$     | a) |
|    | b) $(5/3, 127/12)$    | b) |
|    | c) $(25/21, 1397/42)$ | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

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- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |

$$u_0 = 1673$$

$$u_0 = 143$$

### 1 Génération de segments

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- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

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- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

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- |    |                       |    |
|----|-----------------------|----|
| 4) | a) 19                 | a) |
|    | b) 77                 | b) |
|    | c) 578                | c) |
| 5) | a) $(10/9, 41/9)$     | a) |
|    | b) $(5/3, 127/12)$    | b) |
|    | c) $(25/21, 1397/42)$ | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

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- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |

$$u_0 = 1673$$

$$u_0 = 147$$

### 1 Génération de segments

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- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

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- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

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- |    |                       |    |
|----|-----------------------|----|
| 4) | a) 19                 | a) |
|    | b) 77                 | b) |
|    | c) 578                | c) |
| 5) | a) $(10/9, 41/9)$     | a) |
|    | b) $(5/3, 127/12)$    | b) |
|    | c) $(25/21, 1397/42)$ | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

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- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |

$$u_0 = 1673$$

$$u_0 = 150$$

### 1 Génération de segments

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- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

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- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

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- |    |                       |    |
|----|-----------------------|----|
| 4) | a) 19                 | a) |
|    | b) 77                 | b) |
|    | c) 578                | c) |
| 5) | a) $(10/9, 41/9)$     | a) |
|    | b) $(5/3, 127/12)$    | b) |
|    | c) $(25/21, 1397/42)$ | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

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- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |

$$u_0 = 1673$$

$$u_0 = 152$$

### 1 Génération de segments

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- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

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- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

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- |    |                       |    |
|----|-----------------------|----|
| 4) | a) 19                 | a) |
|    | b) 77                 | b) |
|    | c) 578                | c) |
| 5) | a) $(10/9, 41/9)$     | a) |
|    | b) $(5/3, 127/12)$    | b) |
|    | c) $(25/21, 1397/42)$ | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

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- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |

$$u_0 = 1673$$

$$u_0 = 165$$

### 1 Génération de segments

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- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

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- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

---

- |    |                       |    |
|----|-----------------------|----|
| 4) | a) 19                 | a) |
|    | b) 77                 | b) |
|    | c) 578                | c) |
| 5) | a) $(10/9, 41/9)$     | a) |
|    | b) $(5/3, 127/12)$    | b) |
|    | c) $(25/21, 1397/42)$ | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

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- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |

$$u_0 = 1673$$

$$u_0 = 171$$

### 1 Génération de segments

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- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

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- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

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- |    |                       |    |
|----|-----------------------|----|
| 4) | a) 19                 | a) |
|    | b) 77                 | b) |
|    | c) 578                | c) |
| 5) | a) $(10/9, 41/9)$     | a) |
|    | b) $(5/3, 127/12)$    | b) |
|    | c) $(25/21, 1397/42)$ | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

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- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |

$$u_0 = 1673$$

$$u_0 = 180$$

### 1 Génération de segments

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- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

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- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

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- |    |                       |    |
|----|-----------------------|----|
| 4) | a) 19                 | a) |
|    | b) 77                 | b) |
|    | c) 578                | c) |
| 5) | a) $(10/9, 41/9)$     | a) |
|    | b) $(5/3, 127/12)$    | b) |
|    | c) $(25/21, 1397/42)$ | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

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- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |

$$u_0 = 1673$$

$$u_0 = 181$$

### 1 Génération de segments

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- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

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- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

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- |    |                       |    |
|----|-----------------------|----|
| 4) | a) 19                 | a) |
|    | b) 77                 | b) |
|    | c) 578                | c) |
| 5) | a) $(10/9, 41/9)$     | a) |
|    | b) $(5/3, 127/12)$    | b) |
|    | c) $(25/21, 1397/42)$ | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

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- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |

$$u_0 = 1673$$

$$u_0 = 182$$

### 1 Génération de segments

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- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

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- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

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- |    |                       |    |
|----|-----------------------|----|
| 4) | a) 19                 | a) |
|    | b) 77                 | b) |
|    | c) 578                | c) |
| 5) | a) $(10/9, 41/9)$     | a) |
|    | b) $(5/3, 127/12)$    | b) |
|    | c) $(25/21, 1397/42)$ | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

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- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |

$$u_0 = 1673$$

$$u_0 = 209$$

### 1 Génération de segments

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- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

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- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

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- |    |                       |    |
|----|-----------------------|----|
| 4) | a) 19                 | a) |
|    | b) 77                 | b) |
|    | c) 578                | c) |
| 5) | a) $(10/9, 41/9)$     | a) |
|    | b) $(5/3, 127/12)$    | b) |
|    | c) $(25/21, 1397/42)$ | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

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- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |

$$u_0 = 1673$$

$$u_0 = 218$$

### 1 Génération de segments

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- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

---

- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

---

- |    |                       |    |
|----|-----------------------|----|
| 4) | a) 19                 | a) |
|    | b) 77                 | b) |
|    | c) 578                | c) |
| 5) | a) $(10/9, 41/9)$     | a) |
|    | b) $(5/3, 127/12)$    | b) |
|    | c) $(25/21, 1397/42)$ | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

---

- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |

$$u_0 = 1673$$

$$u_0 = 234$$

### 1 Génération de segments

---

- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

---

- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

---

- |    |                       |    |
|----|-----------------------|----|
| 4) | a) 19                 | a) |
|    | b) 77                 | b) |
|    | c) 578                | c) |
| 5) | a) $(10/9, 41/9)$     | a) |
|    | b) $(5/3, 127/12)$    | b) |
|    | c) $(25/21, 1397/42)$ | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

---

- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |

$$u_0 = 1673$$

$$u_0 = 236$$

### 1 Génération de segments

---

- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

---

- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

---

- |    |                       |    |
|----|-----------------------|----|
| 4) | a) 19                 | a) |
|    | b) 77                 | b) |
|    | c) 578                | c) |
| 5) | a) $(10/9, 41/9)$     | a) |
|    | b) $(5/3, 127/12)$    | b) |
|    | c) $(25/21, 1397/42)$ | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

---

- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |

$$u_0 = 1673$$

$$u_0 = 237$$

### 1 Génération de segments

---

- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

---

- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

---

- |    |                     |    |
|----|---------------------|----|
| 4) | a) 19               | a) |
|    | b) 77               | b) |
|    | c) 578              | c) |
| 5) | a) (10/9, 41/9)     | a) |
|    | b) (5/3, 127/12)    | b) |
|    | c) (25/21, 1397/42) | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

---

- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |

$$u_0 = 1673$$

$$u_0 = 239$$

### 1 Génération de segments

---

- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

---

- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

---

- |    |                       |    |
|----|-----------------------|----|
| 4) | a) 19                 | a) |
|    | b) 77                 | b) |
|    | c) 578                | c) |
| 5) | a) $(10/9, 41/9)$     | a) |
|    | b) $(5/3, 127/12)$    | b) |
|    | c) $(25/21, 1397/42)$ | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

---

- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |

$$u_0 = 1673$$

$$u_0 = 243$$

### 1 Génération de segments

---

- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

---

- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

---

- |    |                       |    |
|----|-----------------------|----|
| 4) | a) 19                 | a) |
|    | b) 77                 | b) |
|    | c) 578                | c) |
| 5) | a) $(10/9, 41/9)$     | a) |
|    | b) $(5/3, 127/12)$    | b) |
|    | c) $(25/21, 1397/42)$ | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

---

- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |

$$u_0 = 1673$$

$$u_0 = 248$$

### 1 Génération de segments

---

- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

---

- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

---

- |    |                       |    |
|----|-----------------------|----|
| 4) | a) 19                 | a) |
|    | b) 77                 | b) |
|    | c) 578                | c) |
| 5) | a) $(10/9, 41/9)$     | a) |
|    | b) $(5/3, 127/12)$    | b) |
|    | c) $(25/21, 1397/42)$ | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

---

- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |

$$u_0 = 1673$$

$$u_0 = 251$$

### 1 Génération de segments

---

- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

---

- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

---

- |    |                     |    |
|----|---------------------|----|
| 4) | a) 19               | a) |
|    | b) 77               | b) |
|    | c) 578              | c) |
| 5) | a) (10/9, 41/9)     | a) |
|    | b) (5/3, 127/12)    | b) |
|    | c) (25/21, 1397/42) | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

---

- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |

$$u_0 = 1673$$

$$u_0 = 260$$

### 1 Génération de segments

---

- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

---

- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

---

- |    |                       |    |
|----|-----------------------|----|
| 4) | a) 19                 | a) |
|    | b) 77                 | b) |
|    | c) 578                | c) |
| 5) | a) $(10/9, 41/9)$     | a) |
|    | b) $(5/3, 127/12)$    | b) |
|    | c) $(25/21, 1397/42)$ | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

---

- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |

$$u_0 = 1673$$

$$u_0 = 269$$

### 1 Génération de segments

---

- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

---

- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

---

- |    |                       |    |
|----|-----------------------|----|
| 4) | a) 19                 | a) |
|    | b) 77                 | b) |
|    | c) 578                | c) |
| 5) | a) $(10/9, 41/9)$     | a) |
|    | b) $(5/3, 127/12)$    | b) |
|    | c) $(25/21, 1397/42)$ | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

---

- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |

$$u_0 = 1673$$

$$u_0 = 274$$

### 1 Génération de segments

---

- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

---

- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

---

- |    |                     |    |
|----|---------------------|----|
| 4) | a) 19               | a) |
|    | b) 77               | b) |
|    | c) 578              | c) |
| 5) | a) (10/9, 41/9)     | a) |
|    | b) (5/3, 127/12)    | b) |
|    | c) (25/21, 1397/42) | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

---

- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |

$$u_0 = 1673$$

$$u_0 = 280$$

### 1 Génération de segments

---

- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

---

- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

---

- |    |                       |    |
|----|-----------------------|----|
| 4) | a) 19                 | a) |
|    | b) 77                 | b) |
|    | c) 578                | c) |
| 5) | a) $(10/9, 41/9)$     | a) |
|    | b) $(5/3, 127/12)$    | b) |
|    | c) $(25/21, 1397/42)$ | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

---

- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |

$$u_0 = 1673$$

$$u_0 = 281$$

### 1 Génération de segments

---

- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

---

- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

---

- |    |                       |    |
|----|-----------------------|----|
| 4) | a) 19                 | a) |
|    | b) 77                 | b) |
|    | c) 578                | c) |
| 5) | a) $(10/9, 41/9)$     | a) |
|    | b) $(5/3, 127/12)$    | b) |
|    | c) $(25/21, 1397/42)$ | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

---

- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |

$$u_0 = 1673$$

$$u_0 = 286$$

### 1 Génération de segments

---

- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

---

- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

---

- |    |                       |    |
|----|-----------------------|----|
| 4) | a) 19                 | a) |
|    | b) 77                 | b) |
|    | c) 578                | c) |
| 5) | a) $(10/9, 41/9)$     | a) |
|    | b) $(5/3, 127/12)$    | b) |
|    | c) $(25/21, 1397/42)$ | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

---

- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |

$$u_0 = 1673$$

$$u_0 = 289$$

### 1 Génération de segments

---

- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

---

- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

---

- |    |                       |    |
|----|-----------------------|----|
| 4) | a) 19                 | a) |
|    | b) 77                 | b) |
|    | c) 578                | c) |
| 5) | a) $(10/9, 41/9)$     | a) |
|    | b) $(5/3, 127/12)$    | b) |
|    | c) $(25/21, 1397/42)$ | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

---

- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |

$$u_0 = 1673$$

$$u_0 = 291$$

### 1 Génération de segments

---

- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

---

- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

---

- |    |                     |    |
|----|---------------------|----|
| 4) | a) 19               | a) |
|    | b) 77               | b) |
|    | c) 578              | c) |
| 5) | a) (10/9, 41/9)     | a) |
|    | b) (5/3, 127/12)    | b) |
|    | c) (25/21, 1397/42) | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

---

- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |

$$u_0 = 1673$$

$$u_0 = 297$$

### 1 Génération de segments

---

- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

---

- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

---

- |    |                       |    |
|----|-----------------------|----|
| 4) | a) 19                 | a) |
|    | b) 77                 | b) |
|    | c) 578                | c) |
| 5) | a) $(10/9, 41/9)$     | a) |
|    | b) $(5/3, 127/12)$    | b) |
|    | c) $(25/21, 1397/42)$ | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

---

- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |

$$u_0 = 1673$$

$$u_0 = 304$$

### 1 Génération de segments

---

- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

---

- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

---

- |    |                       |    |
|----|-----------------------|----|
| 4) | a) 19                 | a) |
|    | b) 77                 | b) |
|    | c) 578                | c) |
| 5) | a) $(10/9, 41/9)$     | a) |
|    | b) $(5/3, 127/12)$    | b) |
|    | c) $(25/21, 1397/42)$ | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

---

- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |

$$u_0 = 1673$$

$$u_0 = 309$$

### 1 Génération de segments

---

- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

---

- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

---

- |    |                       |    |
|----|-----------------------|----|
| 4) | a) 19                 | a) |
|    | b) 77                 | b) |
|    | c) 578                | c) |
| 5) | a) $(10/9, 41/9)$     | a) |
|    | b) $(5/3, 127/12)$    | b) |
|    | c) $(25/21, 1397/42)$ | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

---

- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |

$$u_0 = 1673$$

$$u_0 = 317$$

### 1 Génération de segments

---

- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

---

- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

---

- |    |                       |    |
|----|-----------------------|----|
| 4) | a) 19                 | a) |
|    | b) 77                 | b) |
|    | c) 578                | c) |
| 5) | a) $(10/9, 41/9)$     | a) |
|    | b) $(5/3, 127/12)$    | b) |
|    | c) $(25/21, 1397/42)$ | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

---

- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |

$$u_0 = 1673$$

$$u_0 = 327$$

### 1 Génération de segments

---

- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

---

- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

---

- |    |                       |    |
|----|-----------------------|----|
| 4) | a) 19                 | a) |
|    | b) 77                 | b) |
|    | c) 578                | c) |
| 5) | a) $(10/9, 41/9)$     | a) |
|    | b) $(5/3, 127/12)$    | b) |
|    | c) $(25/21, 1397/42)$ | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

---

- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |

$$u_0 = 1673$$

$$u_0 = 346$$

### 1 Génération de segments

---

- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

---

- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

---

- |    |                       |    |
|----|-----------------------|----|
| 4) | a) 19                 | a) |
|    | b) 77                 | b) |
|    | c) 578                | c) |
| 5) | a) $(10/9, 41/9)$     | a) |
|    | b) $(5/3, 127/12)$    | b) |
|    | c) $(25/21, 1397/42)$ | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

---

- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |

$$u_0 = 1673$$

$$u_0 = 361$$

### 1 Génération de segments

---

- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

---

- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

---

- |    |                     |    |
|----|---------------------|----|
| 4) | a) 19               | a) |
|    | b) 77               | b) |
|    | c) 578              | c) |
| 5) | a) (10/9, 41/9)     | a) |
|    | b) (5/3, 127/12)    | b) |
|    | c) (25/21, 1397/42) | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

---

- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |

$$u_0 = 1673$$

$$u_0 = 368$$

### 1 Génération de segments

---

- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

---

- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

---

- |    |                     |    |
|----|---------------------|----|
| 4) | a) 19               | a) |
|    | b) 77               | b) |
|    | c) 578              | c) |
| 5) | a) (10/9, 41/9)     | a) |
|    | b) (5/3, 127/12)    | b) |
|    | c) (25/21, 1397/42) | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

---

- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |

$$u_0 = 1673$$

$$u_0 = 376$$

### 1 Génération de segments

---

- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

---

- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

---

- |    |                       |    |
|----|-----------------------|----|
| 4) | a) 19                 | a) |
|    | b) 77                 | b) |
|    | c) 578                | c) |
| 5) | a) $(10/9, 41/9)$     | a) |
|    | b) $(5/3, 127/12)$    | b) |
|    | c) $(25/21, 1397/42)$ | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

---

- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |

$$u_0 = 1673$$

$$u_0 = 385$$

### 1 Génération de segments

---

- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

---

- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

---

- |    |                       |    |
|----|-----------------------|----|
| 4) | a) 19                 | a) |
|    | b) 77                 | b) |
|    | c) 578                | c) |
| 5) | a) $(10/9, 41/9)$     | a) |
|    | b) $(5/3, 127/12)$    | b) |
|    | c) $(25/21, 1397/42)$ | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

---

- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |

$$u_0 = 1673$$

$$u_0 = 397$$

### 1 Génération de segments

---

- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

---

- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

---

- |    |                       |    |
|----|-----------------------|----|
| 4) | a) 19                 | a) |
|    | b) 77                 | b) |
|    | c) 578                | c) |
| 5) | a) $(10/9, 41/9)$     | a) |
|    | b) $(5/3, 127/12)$    | b) |
|    | c) $(25/21, 1397/42)$ | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

---

- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |

$$u_0 = 1673$$

$$u_0 = 410$$

### 1 Génération de segments

---

- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

---

- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

---

- |    |                       |    |
|----|-----------------------|----|
| 4) | a) 19                 | a) |
|    | b) 77                 | b) |
|    | c) 578                | c) |
| 5) | a) $(10/9, 41/9)$     | a) |
|    | b) $(5/3, 127/12)$    | b) |
|    | c) $(25/21, 1397/42)$ | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

---

- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |

$$u_0 = 1673$$

$$u_0 = 412$$

### 1 Génération de segments

---

- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

---

- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

---

- |    |                       |    |
|----|-----------------------|----|
| 4) | a) 19                 | a) |
|    | b) 77                 | b) |
|    | c) 578                | c) |
| 5) | a) $(10/9, 41/9)$     | a) |
|    | b) $(5/3, 127/12)$    | b) |
|    | c) $(25/21, 1397/42)$ | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

---

- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |

$$u_0 = 1673$$

$$u_0 = 415$$

### 1 Génération de segments

---

- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

---

- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

---

- |    |                     |    |
|----|---------------------|----|
| 4) | a) 19               | a) |
|    | b) 77               | b) |
|    | c) 578              | c) |
| 5) | a) (10/9, 41/9)     | a) |
|    | b) (5/3, 127/12)    | b) |
|    | c) (25/21, 1397/42) | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

---

- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |

$$u_0 = 1673$$

$$u_0 = 457$$

### 1 Génération de segments

---

- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

---

- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

---

- |    |                       |    |
|----|-----------------------|----|
| 4) | a) 19                 | a) |
|    | b) 77                 | b) |
|    | c) 578                | c) |
| 5) | a) $(10/9, 41/9)$     | a) |
|    | b) $(5/3, 127/12)$    | b) |
|    | c) $(25/21, 1397/42)$ | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

---

- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |

$$u_0 = 1673$$

$$u_0 = 458$$

### 1 Génération de segments

---

- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

---

- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

---

- |    |                       |    |
|----|-----------------------|----|
| 4) | a) 19                 | a) |
|    | b) 77                 | b) |
|    | c) 578                | c) |
| 5) | a) $(10/9, 41/9)$     | a) |
|    | b) $(5/3, 127/12)$    | b) |
|    | c) $(25/21, 1397/42)$ | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

---

- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |

$$u_0 = 1673$$

$$u_0 = 461$$

### 1 Génération de segments

---

- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

---

- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

---

- |    |                       |    |
|----|-----------------------|----|
| 4) | a) 19                 | a) |
|    | b) 77                 | b) |
|    | c) 578                | c) |
| 5) | a) $(10/9, 41/9)$     | a) |
|    | b) $(5/3, 127/12)$    | b) |
|    | c) $(25/21, 1397/42)$ | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

---

- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |

$$u_0 = 1673$$

$$u_0 = 468$$

### 1 Génération de segments

---

- |    |                     |    |
|----|---------------------|----|
| 1) | a) 27539            | a) |
|    | b) 50263            | b) |
|    | c) 9356             | c) |
| 2) | a) $-6/25 x + 51$   | a) |
|    | b) $6/25 x + 38$    | b) |
|    | c) $-29/100 x + 49$ | c) |

### 2 Coloriage d'un mikado

---

- |    |      |    |
|----|------|----|
| 3) | a) 2 | a) |
|    | b) 1 | b) |
|    | c) 2 | c) |

### 3 Nœuds d'un mikado

---

- |    |                     |    |
|----|---------------------|----|
| 4) | a) 19               | a) |
|    | b) 77               | b) |
|    | c) 578              | c) |
| 5) | a) (10/9, 41/9)     | a) |
|    | b) (5/3, 127/12)    | b) |
|    | c) (25/21, 1397/42) | c) |

- |    |        |    |
|----|--------|----|
| 6) | a) 15  | a) |
|    | b) 69  | b) |
|    | c) 544 | c) |
| 7) | a) 28  | a) |
|    | b) 94  | b) |
|    | c) 611 | c) |

### 4 Tranches de mikado

---

- |     |                         |    |
|-----|-------------------------|----|
| 8)  | a) 11                   | a) |
|     | b) 23                   | b) |
|     | c) 226                  | c) |
| 9)  | a) 1, 21, 20, 18, 24    | a) |
|     | b) 1, 36, 57, 61, 56    | b) |
|     | c) 1, 60, 136, 387, 289 | c) |
| 10) | a) 9                    | a) |
|     | b) 33                   | b) |
|     | c) 287                  | c) |