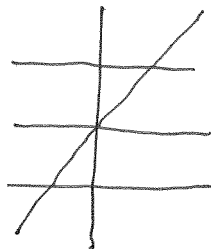
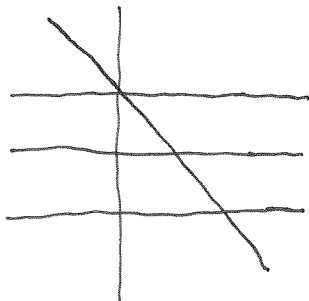


⑤ 24

⑥ 45, 34, 21 [123]  
36, 23 [125] → 21, 23, 27, 29, 30, 34, 36, 40, 45  
40, 29 [147]  
27, 30 [145]

⑦



12

⑧  $\hookrightarrow 32 + 24 + 20 + 18 + 17 = \span style="border: 1px solid black; padding: 2px;">111$

⑨  $7 \times 4 = \span style="border: 1px solid black; padding: 2px;">28, 28$

~~7x4=28~~

⑩ AB: 3 km/h      A 11h: B a fait 3 km.  
C: 6 km/h.      Reste  $4 + 5 - 3 = 6$  km, à  $3 + 6 = 9$  km/h.  
→ 40 min. → 11h40

⑪ Bist. + jeudi 1<sup>er</sup> fév.

1/5/2000: lu	+ 366 → <del>174</del> J+2
30/4/ " : di	+ 365 → <del>an</del> J+1
1/4/ " : sa	+ 4 ans → J+5 (J-2)
31/3/ " : ve	
3/3/ " : ve	
29/2/ " : ma	
1/2/ " : ma	
1/2/2001: je	
1/2/2002: ve	
1/2/2003: sa	
1/2/2004: di	
1/2/2008: ve	
1/2012: me	
1/2016: lu	
1/2020: sa	
1/2024: je → <span style="border: 1px solid black; padding: 2px;">2024</span>	

⑫  $N_e = A \times B$

$N_t = \frac{A(A+1)}{2} + \frac{B(B+1)}{2} = \frac{N_e}{4} (A+1)(B+1)$

A+B max

$1 \ 2000 \rightarrow 4002 \times 2000 / 4 = \boxed{2001000}$

~~21000~~

~~111~~  $3 \rightarrow n \rightarrow \frac{n(n+1)}{2}$

⑬

000	[000	[000	000
001	001	001	001
011	011	011	011
010	010	111	111
110	110	110	101
111	100	100	100
101	101	101	110
100	111	non	010

- 3 sol<sup>a</sup>: 1, 3, 1, 2, 1  
 1, 3, 2, 1, 2  
 3, 2, 1, 2, 3

$2 \times 8 \times 3 = 144$

$2 \times 3 \times 4 = 24$

250:

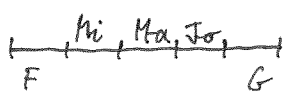
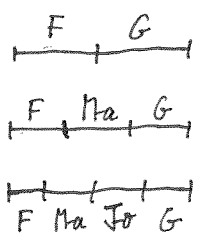
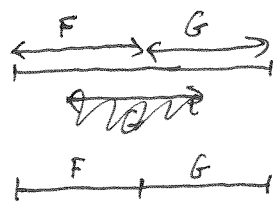
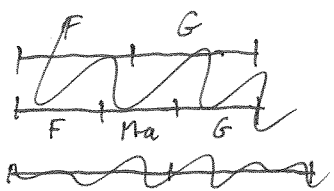
⑭  $2 \times 3 \times 4 \times 5 \times 6 = 720$  P

- 2345: G  
~~23456~~  
 234: G (dire 9)  
 235: G (" )  
 ⋮  
 238: G  
 239: G (dire 8)  
 23: P  
 2: G (dire 3)  
 3: G (" 2)

- 245: G (dire 9)  
 ⋮  
 248: G (" )  
 249: G (8)  
 24: P  
 → 4: G  
~~24~~  
 2xx: ~~1~~ G x: P  
 → 0

Mathilde: x  
 Mathias: 2

15



→ 0