GR-14
Sunday, 2 May 2021 20:50

5 4 > ✓

1 ..... ✗

7 4 2

1 2 3 4

2^{n+1}

2^{n+2}

2·4

$2 \cdot 2^{2}$

$4 \cdot 2^{2}$

2 4 8 16

4 4 16

2 2 8

3·3·4 $\times 2 \cdot \frac{2}{3}$

$u_1 \ldots u_n \leq x$

n terms

$|t_i - t_j| \leq x$

1 2 3 1 2

1 1 | 2 | 3

3 3 | 1 | 1

1 2 3

2 2 2

A B C

6 2

2

1 1 2 2 2 2

1 ... n

off → on

+ − +

f(n, 4a, 2a) =

1 3 2

3 1 2

1 2 3

2 1 3

2 3 1

3 2 1

1 2 3 4

1 2 4 3

1 3 2 4

1 4 2 3

1 4 3 2

2 1 3 4

2 1 4 3

2 3 1 4

2 3 4 1

2 4 3 1

3 1 2 4

3 2 1 4

3 2 4 1

3 4 1 2

3 4 2 1

4 1 2 3

4 1 3 2

4 2 3 1

4 3 1 2

4 3 2 1

+ □ □ −

+ □ □ □ −

3 1 2 4

3 1 4 2 ✗

4 2 1 3 ✗

1 3 4 2 ✗

2 4 1 3 ✗

T □ □ □ T ⇒ 5

T/F U T/F

1 3 4 2 ✗

ON/OFF? ON ON/OFF?

3 ⇒ 6 3!

4 ⇒ 20 4! − 4 ?

5 ⇒ 78 5! − 42

6 ⇒ 344 6! − 376

1 3 4 2

5! − 4! = 5·4! − 4! =

= 4·4! (5 − 1

Chaos

2

i i+2 != i+1

n · 1 · (n−3)

n(n−3)(n−3)!

pick position (n−2)

(n−2) · (n−2) · 2 (n−3)!

pick position pick i rest arbitrary

Problem: double counting ...

i, i+2, != i+1

i+2, i,