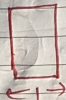


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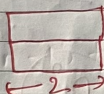
April
Tuesday $f(n) = \text{total ways}$

2024

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ways end with $f(n-1)$ 

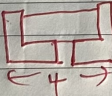
(end with -v)

 $f(n-2)$ 

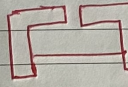
(end with -h)

 $f(n-3) + f(n-5) +$
 $f(n-7) + \dots$
can be of size
3, 5, 7, 9...

Same ways for both

 $f(n-3) + f(n-5) +$
 $f(n-7) + \dots$
can be of size
3, 5, 7, 9...
 $f(n-4) + f(n-6) +$
 $f(n-8) + \dots$
can be of size
4, 6, 8, 10...

Same ways for both

 $f(n-4) + f(n-6) +$
 $f(n-8) + \dots$
can be of size
4, 6, 8, 10...

S	M	T	W	T	F	S
31					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

Week 17

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April

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Wednesday

 $f(n) = f(n-1) +$
 $f(n-2) + 2f(n-3) + 2f(n-4)$
 $+ \dots + 2f(0)$

o
 (talking about
 0 or more than 0
 horiz dominoes in betw)

(end with -L-x dominoes -F)

*2

(end with -F-x dominoes -rev L)

(end with -L-x dominoes -rev L)

*2

(end with -F-x dominoes -rev F)

M	T	W	T	F	S	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

From Previous Page we got! -

2024

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April

Thursday

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9.00

$$f(n) = f(n-1) + f(n-2) + 2f(n-3) + 2f(n-4) + 2f(n-5) + \dots + 2f(0)$$

10.00

11.00

$$f(n-1) = f(n-2) + f(n-3) + 2f(n-4) + 2f(n-5) + 2f(n-6) + \dots + 2f(0)$$

12.00

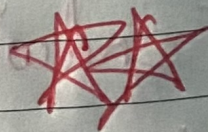
1.00

$$\Rightarrow f(n) - f(n-1) = f(n-1) + f(n-3)$$

2.00

3.00

$$\boxed{f(n) = 2 * f(n-1) + f(n-3)}$$



4.00

Don't cram it!!!

5.00

6.00