[Continued from page ±52.		[Continued	from	page	432.
---------------------------	--	------------	------	------	------

(2d)	0	0	0	-5	-15	-25	-25
(5d)	0	0	0	-250	-750	-1250	-1250
(6d)	0	0	0	-625	-1875	-3125	-3125 .

The first pivot element in the fourth column is in (2d).

Back substituting in (2d), (3c), (4b) and (1a), we find the coefficients in the recursion relation to be a = 3, b = -4, c = 2, d = -1, so that the recursion relation of the fourth order is:

$$T_{n+1} = 3T_n - 4T_{n-1} + 2T_{n-2} - T_{n-3}$$

[Continued from page 434.]

Turning to the players and the match itself, Fischer, who is now <u>29</u>, won the U. S. Junior Open Championship at age <u>13</u> and became an international grandmaster at 15, while Spassky was <u>18</u>, <u>three</u> years older than Fischer was, when designated an international grandmaster. Larry Evans, American grandmaster, in <u>Time</u>, September <u>11</u>, 1972, analyzes the match as having <u>three</u> parts: games 1-5, opening, <u>5</u> games; games 6-<u>13</u>, middle, <u>8</u> games; games 14-<u>21</u>, ending, <u>8</u> games. Fischer's "poisoned pawn" bobble came on the <u>29th</u> move of the <u>first</u> game, after Fischer had arrived <u>7</u> minutes late, while the <u>11th</u> move of the <u>third</u> game was the key move in his <u>first</u> win. Finally, observe that the match was played in the <u>7th</u> and 8th months at longitude <u>21°</u>W.

In conclusion, returning to the opening sentence of this paper, notice that every proper noun has a Fibonacci number of letters in the word (except for Fibonacci itself).

The odds were really in our favor since <u>11</u> out of the first <u>21</u> integers are Fibonacci or Lucas numbers and of these <u>4</u> are even integers and <u>7</u> are odd integers. Again, of these <u>21</u>, 7 are Lucas, 7 are Fibonacci and 3 are both.

The factual information in this article was gleaned for the most part from <u>Time Maga</u>zine and the San Jose Mercury-News.

REFERENCE

1. V. E. Hoggatt, Jr., letters, September 5, 8, 11, and 13, 1972.

438