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$T_n = \left\{ \frac{n^2}{12} \right\} - \left[\begin{matrix} n \\ 4 \end{matrix} \right] \left[\begin{matrix} n+2 \\ 4 \end{matrix} \right]$. Math. Gem III p41-47.

M0146 A5044 Ross Honsberger.

0, 0, 0, 1, 0, 1, 1, 2, 1, 3, 2,

4, 3, 5, 4, 7, 5, 8, 7, 10, 8,

12, 10, 14, 12, 16, 14, 19, 16, 21, 19,

24, 21, 27, 24, 30, 27, 33, 30, 37, 33,

[0, 8]

or $T_n = \left\{ \frac{n^2}{48} \right\}$ if n is even $\{\}$ = round to nearest integer

$= \left\{ \frac{(n+3)^2}{48} \right\}$ if n is odd

« Dup Sq 12 ÷ Ø Rnd Swap Dup
2 + 4 ÷ IP Swap 4 ÷ IP * - »

OR

« Dup 2 ÷ FP Ø If ≠ Then 3 + End
Sq 48 ÷ Ø Rnd

R. G. Wilson, v