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$x_n - (x_{n+1} +$

$x_{n+2}) = x_n(1 - x$

$- x^2)$ For a move

of type (ii), we

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Obtain a change in value $x^{n+2} - (x^{n+1} + x^n) = x^n(x^2 - x - 1)$. Now it is time to specify the number x . We choose x so that there is no change in value for a jump of type (i). For this we need $1 - x - x^2 = 0$.

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Thus $x = (-1 \pm \sqrt{5}) / 2$.

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into the problem
of finding a
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graph of the
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problem becomes that of finding a path thru the graph of the domino set which includes all the edges and returns to the node from which it started.

The Mathematics
of Dominoes

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