

# In How Many Ways Can the Chess Pieces Walk n Steps, Staying on the Board?

By Shalosh B. Ekhad

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[.txt](#)

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Generated: May 19, 2011.

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This **COMPLETELY** computer-generated article was obtained, in less than two minutes, by running the [input file](#) with the Maple package [ChessWalks](#), kindly written by my beloved master, Doron Zeilberger. Chess pieces who like to travel on other sizes of chess boards (say a by b rather than the traditional 8 by 8 board), can easily generate similar articles by changing the command **ChessStory(8,8,30):**

**To  
ChessStory(a,b,30);  
for the desired a and b (both need to be  
larger than 4).**

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**[Personal Journal of Shalosh B. Ekhad and  
Doron Zeilberger](#)**

**[Doron Zeilberger's Home Page](#)**