

P U Z Z L E S

The FIFTEENTH
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Not Another Chess Game

Mark Hinchliff and Mark Bedau are playing two simultaneous board games. One of them is modern chess, and the other is a variant called Chaturanga. Chaturanga originated in India in the seventh century, and many believe it to be the first ancestor to modern chess.

The two games are shown at right (the Chaturanga pieces have been replaced with their modern equivalents). Suppose that Mark Hinchliff is about to win both games in two moves each. What color is he playing, which game is Chaturanga, and what are the winning moves?

The Rules of Chaturanga:

1. The board is set up exactly as in chess, and all pieces move the same as in chess, with two exceptions.
2. The Queen moves only one square diagonally.
3. The Bishop moves exactly two squares diagonally, but may jump over pieces just like a knight.
4. A pawn promotes to whichever piece started at that square, but may not promote to a king.

Even Aristotle could do this.



A Book Vandal

I noticed an unusual thing about a book. I tore out one page and saw that the sum of the remaining page numbers was exactly 10,000. How many pages did the book have originally, and what page did I tear out?

Even Pythagoras could do this.

So what if Freud can do it??

Even Freud could do this.

Even Pythagoras could do this.

Even Aristotle could do this.

Even Kant could do this.

Even Ray Mayer could do this.

Easy

Not easy

More challenging

This is a hard problem.

Go ask him for help.

Think you know the answer?

For more info on these puzzles, go to

<http://www.reed.edu/~mcphailb/quest/>

Have you done
something nice
for a spring-fall
senior lately?



Questions? Blitz: puzzles@reed.edu