

Re: Partitioning a square to a fixed sized rectangles.

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- *From:* no.glamour@xxxxxxxxxx
 - *Date:* Sat, 31 May 2008 08:37:35 -0700 (PDT)
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On May 31, 4:54 pm, Brian Chandler <imaginator...@xxxxxxxxxxxxxxxxxx> wrote:

no.glam...@xxxxxxxxxx wrote:

Hello,

I would appreciate it if someone can give me an hint on this one:
Prove/disprove that a 3000X3000 square can be partitioned into 5X7 rectangles (the rectangles can be mixed, either 5X7 or 7X5).
The question is part of a graph theory course, so I think the idea is to module it into a graph, and use any kind of its properties.

Thank you,
Eliot.

If it can be so partitioned, you'd better be able to divide the area of the square by the area of the rectangle...

Brian Chandler <http://imaginatorium.org>

So having the above is sufficient but not enough. Let's think about an example in which which the square can partitioned into rectangles of various lengths ($s1xs2$ and $s3xs4$), how that can be checked?
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