

Re: Existence of function

Source: <http://sci.tech-archive.net/Archive/sci.math/2005-09/msg00366.html>

- *From:* David C. Ullrich <ullrich@xxxxxxxxxxxxxxxxxxxx>
 - *Date:* Fri, 02 Sep 2005 07:21:07 -0500
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On 1 Sep 2005 18:37:28 -0700, agapito6314@xxxxxxx wrote:

>Actually what I meant to ask is: How does one prove that there is a
>surjection from $N \times N$ to S (which is a countable union of countable
>sets)? Can you get by here without invoking AC? Thanks.

If you've asked exactly the question you meant to ask the answer is no, that's exactly the step that requires AC.

David C. Ullrich
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• *References:*

- ◆ *Existence of function*
◇ *From:* agapito6314
 - ◆ *Re: Existence of function*
◇ *From:* fishfry
 - ◆ *Re: Existence of function*
◇ *From:* David C . Ullrich
 - ◆ *Re: Existence of function*
◇ *From:* agapito6314
-
- Prev by Date: *Re: Cardinality of Real Numbers*
 - Next by Date: *Re: functional analysis L^p norms*
 - Previous by thread: *Re: Existence of function*
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