

# Re: Mod 2011

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- *From:* Jyrki Lahtonen <lahtonen@xxxxxx>
  - *Date:* Tue, 16 Jan 2007 15:51:16 +0200
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Nick wrote:

"Jyrki Lahtonen" <lahtonen@xxxxxx> wrote in message  
[news:eoibr0\\$1ac0\\$2@xxxxxxxxxxxxxxxxxxxx](news:eoibr0$1ac0$2@xxxxxxxxxxxxxxxxxxxx)

León-Sotelo wrote:

Determine the remainder when  $1004!$  is divided by 2011.

It is prime as quickly shown by using Excel.

Nick

In that case Wilson's theorem says that  $2010!$  is congruent to minus 1 modulo 2011. The rest is easy.

Cheers,

Jyrki

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