Subject: Re: REFORM: new subscripts must not change the number elements in array
Posted by David Grier on Sat, 15 Oct 2011 13:38:10 GMT
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Hi Eva,

If ns and nl are "regular" integers, then ns * nl can overflow the
maximum integer, leading to the behavior you describe.

Casting ns and nl to long integers will fix this:

```
IDL> ns = 1194
IDL> nl = 686
IDL> print, ns * nl ; WRONG
32652

IDL> ns = 1194L
IDL> nl = 686L
IDL> print, ns * nl ; RIGHT
819084
```

TTFN,

David

On 10/15/11 7:34 AM, eva.ivits-wasser@ext.jrc.ec.europa.eu wrote:
> Good day,
>
> I have a 3D array of
> ts=Int[1194,12,686]
>
> It's an image with 1194 columns, 12 bands and 686 lines.
>
> I'm running REFORM on the transposed array but get the well known
> error message:
> "REFORM: New subscripts must not change the number elements in
> <INT Array[1194, 686, 12]>"
>
> This is what I'm doing:
> tr=reform(transpose(ts,[0,2,1]),ns*nl,nb)
>
> i.e. first I transpose the lines onto the second dimension and then
> create "tr" so that it is a 2D array of ns*nl (1194*686) and nb (12).
>
> Why isn't it working?
>

> I'm desparate....pls help!
>
> Thanks,
>
> Eva