
Subject: Re: REFORM: new subscripts must not change the number elements in array

Posted by [Helder Marchetto](#) on Mon, 02 Mar 2015 15:31:08 GMT

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On Monday, March 2, 2015 at 4:19:32 PM UTC+1, g.na...@gmail.com wrote:

```
> I have a 2D array of A=[200,200]
>
> I am running REFORM but get the following error
> "REFORM: New subscripts must not change the number elements in A"
>
> This is what I am doing
> A = reform(A, 100L, 200L*200L, /overwrite)
>
> Why isn't it working?
```

Because 4000 is not 4000000.

Let me show:

```
IDL> A=randomu(s,200,200)
IDL> print, product(size(a, /dimensions), /preserve_type)
      40000
IDL> print, product([100L, 200L*200L], /preserve_type)
      4000000
```

If your array is has 200 x 200 elements, the total is 40000.

Now with reform you want to make it 100 x (200x200)... this is 4000000.

Maybe (maybe!) what you want is:

```
a = reform(a, 100L, 200L*200L, /overwrite)
```

Cheers,
Helder
