Subject: Re: replacing blocks in an array with other array values?
Posted by penteado on Sun, 25 Dec 2011 23:43:48 GMT

On Dec 25, 7:11 pm, Ecaterina Coman <ecatc...@umbc.edu> wrote:
> hi guys,
> I have a 4*4 array, for example, and i want to replace the center 2*2
> block of an array with the values in another array
>
> lets say A is 4*4
> and B is 2*2
> I tried doing A[1:2,1:2]=B but it doesn't change anything in A

Really?

```
IDL> a=bindgen(4,4)
IDL> b=100+bindgen(2,2)
IDL> print,a
   0   1   2   3
   4   5   6   7
   8   9  10  11
  12  13  14  15
IDL> print,b
    100     101
    102     103
IDL> a[1:2,1:2]=b
IDL> print,a
   0   1   2   3
   4 100 101   7
   8 102 103  11
  12  13  14  15
```

Subject: Re: replacing blocks in an array with other array values?
Posted by David Fanning on Sun, 25 Dec 2011 23:44:16 GMT

Ecaterina Coman writes:

> I have a 4*4 array, for example, and i want to replace the center 2*2
> block of an array with the values in another array
>
> lets say A is 4*4
> and B is 2*2
> I tried doing A[1:2,1:2]=B but it doesn't change anything in A
> on the other hand, when I put A[1:2,1:2]=some scalar, it replaces the
> whole block by that scalar and works
>

> i feel like there should be a simple way to do this but cannot figure
> it out

You will have to specify the lower-left corner of the
array, like this:

```
IDL> a = indgen(4, 4)
IDL> b = indgen(2,2)+20
IDL> a[1,1] = b
IDL> print, a
      0    1    2    3
      4   20   21    7
      8   22   23   11
     12   13   14   15
```

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: replacing blocks in an array with other array values?
Posted by Ecaterina Coman on Mon, 26 Dec 2011 04:42:27 GMT
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Thanks guys!
Those were both helpful, as I got to test them out and see I wasn't
crazy and stuff IS supposed to work the way I thought it did!
My issues was actually that my "b" was float and my "a" was type int.
Amazing how something so simple can cause you to sit there scratching
ur head at a loss for hours haha