
Subject: Re: Variable stride in array indices

Posted by [DBorland](#) on Tue, 18 May 1999 07:00:00 GMT

[View Forum Message](#) <> [Reply to Message](#)

In article <bowman-1805990954070001@bowman.tamu.edu>, bowman@null.edu
(Kenneth P. Bowman) wrote:

```
> I had a chance to look at my code to see if Liam's suggestion would work,  
> and I realized that it won't, because I need to use the variable stride on  
> the *left* side of the equal sign, i.e.  
>  
> IDL> a = LINDGEN(6,6)  
> IDL> print, a  
>      0      1      2      3      4      5  
>      6      7      8      9     10     11  
>     12     13     14     15     16     17  
>     18     19     20     21     22     23  
>     24     25     26     27     28     29  
>     30     31     32     33     34     35  
> IDL> print, (a[*,2*LINDGEN(3)][2*LINDGEN(3),*])  
>      0      2      4  
>     12     14     16  
>     24     26     28
```

What you need to do it then sent the results here as the index for the array. ie:

```
IDL> a[(a[*,2*LINDGEN(3)][2*LINDGEN(3),*])] = -1
```

When you do this, the values from above are set to -1

```
IDL> print,a
```

```
-1      1      -1      3      -1      5  
 6      7      8      9     10     11  
-1     13      -1     15      -1     17  
18     19      20     21     22     23  
-1     25      -1     27      -1     29  
30     31      32     33     34     35
```

David Borland
Software Engineer
Electrical Geodesics, Inc.
