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Subject: Indexing problems under V6

Posted by [Ian Dean](#) on Fri, 30 Mar 2007 09:41:54 GMT

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Hi,

This is almost a repeat of a posting by Wayne Landsman, 12-Aug-2003.

Because of contracts, we have been stuck on v5.5 for years!!!

However, we are now in a position to upgrade to 6.3. As part of this, a great deal of our code is now broken because of the change in indexing.

In 5.5,

```
a={x:indgen(10)}  
b=[1, 4, 10]  
c=[4]  
val=a.x[c]          <<<<<<<<<<this was a scalar of 4  
pos=where(b eq val)  <<<<<<<<<<<<<<< returned [1]
```

In 6.3.

```
a={x:indgen(10)}  
b=[1, 4, 10]  
c=[4]  
val=a.x[c]          <<<<<<<<<<this is now an array of [4]  
pos=where(b eq val)  <<<<<<<<<<<<<<< now returns -1
```

The where fails because it is now comparing an array with an array, not an array with a scalar.

Is there any trick/switch that can be used to revert the action to that used in 5.5?

The real problem is much deeper than this, as the search may be done several levels lower than where the selection criteria is setup and furthermore, some searches genuinely use arrays.

I hope this makes sense and I hope for some favourable replies.

Regards,  
Ian

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