Subject: Re: subscript array question Posted by David Ritscher on Thu, 11 Feb 1999 08:00:00 GMT

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```
> array = intarr(5)
> subs = [0,2,4,4]
> array[subs] = array[subs] + 1
>
  and have the resulting values for array be:
>
       1
             0
                   1
                        0
                              2
>
 Because of the way IDL manages memory for expression evaluation
 and assignments, what happens for the last two elements of the
> addition is that the original value of array[4] is used twice,
 rather than what I want, which is to use the current value of
 array[4] each time. I.e. IDL gives the resulting values for
  array to be:
>
       1
             0
                   1
                        0
                              1
>
>
```

With my version, IDL Version 5.1.1, I get the latter, not the former! I suspect it is true with your version, as well. What IDL does is, for the duplicate subscript, it does the operation twice, but since 'array' on the right hand of the expression is a copy of the original, it goes and gets the same '0' twice, incremnts it by '1', and inserts it into the same location twice.

If in your actual application you're having similar problems, the uniq function might help you out:

In this case, it gives the same result, as I explained, but in your application, it might serve to solve your problem.

Good luck,

David Ritscher

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