
Subject: Re: buggy dictionary

Posted by [Dick Jackson](#) on Tue, 09 Jun 2015 16:10:46 GMT

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On Tuesday, 9 June 2015 04:01:43 UTC-7, fawltyl...@gmail.com wrote:

> On Tuesday, June 9, 2015 at 11:32:30 AM UTC+2, Helder wrote:

>>
>> a = dictionary('b',dictionary('c',findgen(10)))
>> print, a.b['c',[1:-1]]
>>
>> However, as you pointed out, this delivers the wrong answer. Exelis acknowledged this
(incident number 294397) and filed a bug report.
>>
>> So this will give a wrong answer:
>> print, a.b['c',[1:-1]]
>
> Here [1:-1] is not a subscript range, it is the colon operator for array creation (introduced in IDL
8.3):
>
> IDL> x=[1:-1]
> IDL> help, x & print, x
> X INT = Array[3]
> 1 0 -1
>
> So [1:-1] is actually an array subscript (with the usual array subscript clipping).
>
>> but this will be ok:
>> print, a.b.c[1:-1]
>
> Here [1:-1] is a subscript range with a negative subscript value.
>
> So the two [1:-1]'s have different meaning.
>
> regards,
> Lajos

Oops, you're right! And I do find the same behaviour, when I actually test Helder's case:

```
IDL> a = dictionary('b',dictionary('c',findgen(10)))  
IDL> a.b.c[[1:-1]]  
    1.0000000    0.00000000    0.00000000  
IDL> a.b.c[1:-1]  
    1.0000000    2.0000000    3.0000000    4.0000000    5.0000000    6.0000000  
    7.0000000    8.0000000    9.0000000  
IDL> a.b['c',[1:-1]]  
    1.0000000    0.00000000    0.00000000  
IDL> a.b['c',1:-1]  
    1.0000000    2.0000000    3.0000000    4.0000000    5.0000000    6.0000000
```

7.0000000 8.0000000 9.0000000

Sorry for the miscommunication!

Cheers,
-Dick

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