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Subject: Re: is this a bug in IDL?

Posted by [Wonko\[3\]](#) on Tue, 16 Dec 2003 10:58:00 GMT

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aramisgm@hotmail.com (Aramis Martinez) wrote:

```
> k=0
> for i=0,8759 do begin
> x=vbs(2,i)
> if x gt 0.0 then k=k+1 & x=0 & vbs(2,i)=x
> endfor
> print, k
```

Which is the same as:

```
k=0
for i=0,8759 do begin
  x=vbs(2,i)
  if x gt 0.0 then k=k+1
  x=0
  vbs(2,i)=x
endfor
print, k
```

```
> 1) How would you vectorize this? I tried a few things that I could
> remember from my work this summer, but four months of quantum
> mechanics wipes a lot from memory :)
```

This should do:

```
index = where( vbs[ 2, lindgen( 8760 ) ] gt 0, k )
if k gt 0 then vbs[ 2, index ] = 0
```

[...]

```
> Is this a bug? as far as I can tell, the statements are logically
> identical since an &'s behavior should never vary, so what in the guts
> of IDL would make these statements be different? Is there some rule
> kicking in here that's not so obvious but makes this behavior to be
> expected? Would parenthesis around the THEN block make these identical
> in IDL? The environment is either IDL 6 on Red Hat 9 or IDL 5.1 on
> Red Hat 8.1.
```

Using & ist the same as wrting the next statement in another line. You need to use begin and endif statements.

Alex

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PGP Key available

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