Subject: Re: chunk indexing like
Posted by Wout De Nolf on Fri, 08 Jan 2010 14:12:38 GMT
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On Fri, 08 Jan 2010 14:08:45 +0100, Wox <spam@nomail.com> wrote:

> Hi IDLers,
>
> I know how to get
> from [2,3,1,0,5] to [0,0,1,1,1,2,4,4,4,4,4] (i.e. chunk indexing)
> but how do I get
> from [2,3,1,0,5] to [0,1,0,1,2,0,0,1,2,3,4]
> without loops that is.
>
> I have been juggling with histogram and total(.../cumulative) but I
> can figure this one out.
>
> Any ideas?

Ok, I got something working:

```
n=[2,3,1,0,5]
h=histogram(total(n>0,/CUMULATIVE,/int)-1,/BINSIZE,MIN=0,REVERSE_INDICES=ri)
nh=n_elements(h)
chinkind=ri[0:nh-1]-ri[0]
ind2=where([1,chinkind[1:*]-chinkind[0:nh-2]] ne 0)
print,lindgen(nh)-ind2[chinkind]
```

```
IDL>  0 1 0 1 2 0 0 1 2 3 4
```