Subject: compare 2-d array with vector Posted by Danxia on Mon, 24 Sep 2012 07:32:17 GMT

View Forum Message <> Reply to Message

Hi all, I'm having problem when comparing a 2-d array with a given vector. For example, if giving a 2-d array

a=[[1,1,1], [2,2,2], [3,3,3],

[4,4,4]

and a vector b=[1,2],

how can I get all the subscripts of array a that's equal to any element in vector b, which in this example is [0,1,2,3,4,5]. Please let me know if I failed to make this clear. Looking forward to any reply. Thank you very much!

Subject: Re: compare 2-d array with vector Posted by Craig Markwardt on Tue, 18 Dec 2012 01:45:40 GMT View Forum Message <> Reply to Message

On Monday, December 17, 2012 2:25:30 PM UTC-5, Chris Torrence wrote: > On Monday, September 24, 2012 9:30:25 AM UTC-6, Mark Piper wrote: >> On Monday, September 24, 2012 9:19:38 AM UTC-6, Craig Markwardt wrote: >> > >>> > >> >>> Yeah, I filed a support request on this several years ago, but no action so far. >> > >>> > >> > >> > >> >> Heinz & Craig, > >> >

>>

Like. Thanks.

Subject: Re: compare 2-d array with vector Posted by Fabzi on Tue, 08 Jan 2013 12:53:12 GMT View Forum Message <> Reply to Message

```
On 01/07/2013 11:30 PM, Jeremy Bailin wrote:
```

> What do you expect him to do? Our conclusion was that it's inherently > undefined, so there's not much point in asking for consistency. > -Jeremy.

You're right it's a detail but I would expect value\_locate to return -1 and no warning message.

let's say I want to attribute rank -1 to missing data, 0 to data below my first level bound and so on.

Solution 1 (throwing a warning):

```
data = FINDGEN(10) & data[1] = !VALUES.F_NAN levels = [1L,3,6,9] pnovalid = where(~ FINITE(data), n_novalid) rank = VALUE_LOCATE(levels, data) + 1 if n_novalid ne 0 then rank[pnovalid] = -1 print, rank
```

Solution 2 (no warning):

```
data = FINDGEN(10) & data[1] = !VALUES.F_NAN levels = [1L,3,6,9] pvalid = where(FINITE(data), n_valid) rank = LONARR(N_ELEMENTS(data)) - 1 rank[pvalid] = VALUE_LOCATE(levels, data[pvalid]) + 1 print, rank
```

I agree, they are quite similar but I would expect value\_locate to be at least consistent and maybe be clearer in the documentation. Nothing critical, of course.