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.