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Subject: Re: VALUE\_LOCATE and NaNs  
Posted by [Fabzi](#) on Thu, 25 Oct 2012 13:48:04 GMT  
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On 10/25/2012 03:41 PM, Kai Muehlbauer wrote:

```
>
> I can confirm:
>
> IDL> print, !VERSION
> { x86_64 linux unix linux 7.1.1 Aug 21 2009      64      64}
>
> IDL> data = FINDGEN(10) & data[0] = !VALUES.F_NAN
> IDL> p = VALUE_LOCATE(LINDGEN(10), data) & print, p[0]
>      -1
> % Program caused arithmetic error: Floating illegal operand
> IDL>
>
> Cheers,
> Kai
>
```

At least the answer is right, but the warning is there ;-)

So three different behaviours of value locate with three input types:

```
IDL> data = FINDGEN(10) & data[0] = !VALUES.F_NAN
IDL> p = VALUE_LOCATE(INDGEN(10), data) & print, p[0]
      0
% Program caused arithmetic error: Floating illegal operand
IDL> p = VALUE_LOCATE(LINDGEN(10), data) & print, p[0]
      -1
% Program caused arithmetic error: Floating illegal operand
IDL> p = VALUE_LOCATE(FINDGEN(10), data) & print, p[0]
      -1
```

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