Subject: array 'minus'
Posted by tomson on Tue, 19 Aug 2003 03:00:03 GMT

Hi, I'd like to eliminate some elements in a array. For example,
        A=[1,2,3,4,5,6,7,8,9,0]
        N=[3,6]
I want to get a array b equal to A but without A(3) and A(6). How to do
that?

Thank you.

Tomson

Subject: Re: array 'minus'
Posted by tomson on Wed, 20 Aug 2003 00:24:02 GMT

Thanks.

"tomson" <tom2959@21cn.com>

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Subject: Re: array 'minus'
Posted by JD Smith on Thu, 28 Aug 2003 16:35:22 GMT
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On Mon, 18 Aug 2003 20:00:03 -0700, tomson wrote:

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> that?
>

The HISTOGRAM solution is detailed in the tutorial on D. Fanning's site:

Problem: Remove some elements, listed in random order, from a vector.

```
IDL> vec=randomu(sd,10)
IDL> remove=[3,7,2,8]
IDL> keep=where(histogram(remove,MIN=0,MAX=n_elements(vec)-1) eq 0,cnt)
IDL> if cnt ne 0 then vec=vec[keep]
IDL> print,keep
      0      1      4      5      6      9
```

We've used HISTOGRAM and WHERE to simply generate a list of kept indices.

This method will excel when you have lots of elements to remove, or any
repeated elements.

JD