
Subject: Re: array 'minus'

Posted by [Mark Hadfield](#) on Tue, 19 Aug 2003 05:09:06 GMT

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tomson wrote:

```
> 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?
```

Well, you could do this:

```
B = make_array(size(A, /DIMENSIONS), VALUE=1B)  
B[N] = 0B
```

```
A = A[where(B)]
```

The first two statements construct a mask array, B, with the same dimensions as A. The elements of B are set equal to 1 (true) when we wish to retain the corresponding element of A and 0 (false) otherwise. The final statement generates a 1D array containing only those elements of A that are flagged in B as true. If there are no true elements in B it will generate an error.

Also I suggest you specify

```
compile_opt STRICTARRSUBS
```

at the beginning of your routine or code block (as long as you are using a version that supports it: 5.6 or greater, I think). This will ensure that subscripting B with out-of-bounds values on N will raise an error.

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