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Subject: Re: transfer the specific data in array A to array B  
Posted by [Andy Sayer](#) on Wed, 02 Apr 2014 20:57:26 GMT  
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To follow up a message the original poster sent via email, the question was asked about how to define 'b' beforehand when you don't know how big it is. The short answer is you can't really. What you could do is define 'b' to be the same size as 'a', and then shrink it afterwards when you know how many good elements there are. For example, this:

```
b=a
b[*] = !values.f_nan
```

And then after transferring valid values from a to b:

```
is_good=where(finite(b),ngood)
if ngood > 0 then b=b[is_good]
```

Andy

On Wednesday, April 2, 2014 2:52:07 PM UTC-4, AMS wrote:

> Ah, ninjad by Craig. :)

>

>

>

> On Wednesday, April 2, 2014 2:51:00 PM UTC-4, AMS wrote:

>

>> Yes, you have to define the array B before you can attempt to fill its elements like that.

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>> There are other ways you could code something like the above, although if you're a beginner then try first however makes sense to you. :) For example, this should work:

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>> ndata=n\_elements(a)

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>>
>
>> for_b=where(a[1:ndata-2]-a[0:ndata-1] gt 80,nvals)
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>
>> if nvals gt 0 then b=a[for_b]
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>
>> And in case you need it, nvals in the above is the same as the final value of j.
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>> Hope this helps,
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>> Andy
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>> On Wednesday, April 2, 2014 2:37:55 PM UTC-4, lczha...@gmail.com wrote:
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>>> I got a question when I was trying to save the interested data from array A to a NEW array B.

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>>> j=0
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>>> FOR i=0,n-2 do begin
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>>
>
>>> IF A[i+1]-A[i] gt 80 THEN BEGIN
>
>>
>
>>>
>
>>
>
>>> B[j]=A[i]
```

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>>
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>>> j=j+1
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>>> ENDIF
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>>> ENDFOR
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>
>>> it seems theres something wrong with B[j]=A[i] should I define B as an array first? Or anyone
has a better idea? I know it is a stupid question....sorry about that
```

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