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Subject: Re: transfer the specific data in array A to array B  
Posted by [Craig Markwardt](#) on Wed, 02 Apr 2014 18:46:51 GMT  
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On Wednesday, April 2, 2014 2:37:55 PM UTC-4, lczha...@gmail.com wrote:

```
> I got a question when I was trying to save the interested data from array A to a NEW array B.  
>  
>  
>  
> j=0  
>  
> FOR i=0,n-2 do begin  
>  
>  
>  
> IF A[i+1]-A[i] gt 80 THEN BEGIN  
>  
> B[j]=A[i]  
>  
> j=j+1  
>  
>  
>  
> ENDIF  
>  
>  
>  
> ENDFOR  
>  
>  
>  
> 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
```

This is the kind of situation where thinking in IDL vector notation is probably best. The IDL WHERE() function does all the work for you.

```
;; WHERE(expression) returns indices where expression is true  
wh = where(A[1:]-A[*] GT 80, ct)
```

```
;; Use WH as an index list for A[]  
if ct GT 0 then B = A[wh]
```

Done!  
Craig

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