
Subject: using WHERE to search for multiple values
Posted by [dmartin](#) on Thu, 25 Apr 2002 22:13:19 GMT
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I'm trying to do something like the following:

```
w=where(im eq val)
```

with im a byte array (say, 640x480)
and val an array (say, 10 to 40 long)

I want to find where im is equal to _any_ of the values in val. But,
val is not always the same size.

Is there a way to do this using one WHERE call? There seems to be a
giant time difference between:

```
for i=0,(size(val))[1]-1 do begin  
  w=where(im eq val(i))  
  ...  
endfor
```

and

```
w=where(im eq val(0) or val(1) or val(2) or ...)
```

(but I can't do the above since val has different sizes from call to
call)

Sorry for the run-on nature of this post.

Thanks,
Doug
