
Subject: Re: OR

Posted by [Michael Galloy](#) on Mon, 03 May 2010 22:04:09 GMT

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On 5/3/10 3:55 PM, fgg wrote:

```
> Hello there,  
>  
> How can I summarize these two lines in just one line of code?  
>  
> if (line[0] eq 'i_rng_wf' and n_elements(line) ne 4002) then message,  
> $  
> 'The # of samples per shot is not valid.'  
> if (line[0] eq 'i_rng_wf' and n_elements(line) ne 10882) then message,  
> $  
> 'The # of samples per shot is not valid.'  
>  
> ...I thought using OR would do the trick, but I guess I'm missing  
> something here:  
>  
> if (line[0] eq 'i_rng_wf' and n_elements(line) ne (4002 or 10882))  
> then message, ...  
>  
> Thanks
```

Using the bitwise operators, it would be:

```
if (line[0] eq 'i_rng_wf' and (n_elements(line) ne 4002 or  
n_elements(line) ne 10882) then ...
```

I would consider using logical operators if you only have to be IDL 6.0+ compatible:

```
if (line[0] eq 'i_rng_wf' && (n_elements(line) ne 4002 ||  
n_elements(line) ne 10882) then ...
```

The logical operators will short-circuit.

-Mike

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