
Subject: Re: converting int array to a string
Posted by [Richard French](#) on Wed, 21 Nov 2001 01:11:04 GMT
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Chad Bahrmann wrote:

```
>  
> Is there an easy way to convert the following:  
>  
> x=[1,2,3,4,5,17,45,46,47,48,49,50,51,59]  
> where x is minutes in an hour for example  
>  
> to a string like:  
>  
> minutes='1-5,17,45-51,59'  
>  
> Thanks in advance,  
>  
> Chad Bahrmann
```

Chad - Not that I know of, but I think I have hacked something together before using the shift operator to tell you which elements are adjacent. For example:

```
x=[1,2,3,4,5,17,45,46,47,48,49,50,51,59]
```

```
dx=(x-shift(x,1))[1:*
```

```
print,dx
```

```
1  1  1  1 12 28  1  1  1  1  1  1
```

```
8
```

```
; then you can figure out which ones require special attention:
```

```
l=where(dx ne 1)
```

```
; the following prints the last element in a sequence that can be
```

```
; connected by a hyphen
```

```
print,x[l]
```

```
; but I think that handling all the special cases could be a nightmare!
```

```
Post your best solution! This is offered as just a start.
```

```
Dick French
```
