
Subject: Re: Efficient comparison of arrays
Posted by [davidf](#) on Mon, 11 Aug 1997 07:00:00 GMT
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Augh, it's too late for this:

I wrote this:

```
> Given a and b:
>
>   a = [1,2,3,4,5]
>   b = [3,4,5,6,7]
>
> Let,
>
>   array1 = BYTARR((MAX(a) > MAX(b)) - (MIN(a) < MIN(b)))
>   array2 = array1
>
> Then, let,
>
>   ind1[a] = 1L
>   ind2[b] = 1L
>
> Finally, let,
>
>   commonIndex = ind1 * ind2
>
> The vector commonIndex now has 1s at the locations where there are
> common values in the two sets. In other words,
>
>   Print, commonIndex
>       0  0  0  1  1  1
```

When I meant to write this:

Given a and b:

```
a = [1,2,3,4,5]
b = [3,4,5,6,7]
```

Let,

```
array1 = BYTARR((MAX(a) > MAX(b)) - (MIN(a) < MIN(b)))
array2 = array1
```

Then, let,

```
array1[a] = 1L
```

```
array2[b] = 1L
```

Finally, let,

```
commonIndex = array1 * array2
```

The vector `commonIndex` now has 1s at the locations where there are common values in the two sets. In other words,

```
Print, commonIndex  
  0  0  0  1  1  1
```

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