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Subject: Re: Can I de-loop?

Posted by [eddie haskell](#) on Thu, 15 Jul 1999 07:00:00 GMT

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I have a suggestion for the first of your quandries:

> a) I am adding a constant amount K to several elements N of array A.  
> The elements Ni are not unique; if an Ni is repeated, I want to add it  
> to A each time. For instance, given  
>  
> A = [0,1,2]  
> N = [2,2,2]  
> K = 4  
>  
> I want the result A = [0,1,14], not A = [0,1,6]

```
IDL> A[min(N):max(N)] = A[min(N):max(N)] + K*histogram(N)
```

```
IDL> print,A
```

```
0    1    14
```

This seems to be at least twice as fast as the loop with the time difference increasing as the number of elements in A and N increase, at least for the values I played around with ( up to 100,000 elements).

You should check this thread later as I should point out that over 95% of my suggestions to this newsgroup do not end up helping the original question. Either my solution is too specific for the problem or someone else soon posts a better solution. I hope for the latter as I can also learn something that way.

Cheers,  
eddie

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