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Subject: Re: Working w/ large arrays  
Posted by [geomagic](#) on Thu, 19 Oct 1995 07:00:00 GMT  
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In article <PHIL.95Oct18150729@peace.med.ohio-state.edu> phil@peace.med.ohio-state.edu (Phil) writes:

```
> I have a very larger byte array. Whenever I try to do anything with
> it or create a new variable I get the ever present temporary resources
> unavailable.
>
> Could someone offer some workarounds. Here's what I do.
>
> I read a file into a 4D array of a size like 93x181x42x31. I then
> want to shift one of the bins like, i.e.,
>
> openr,1,file
> readu,1,a
> close,1
> vol = byte(a,12,93,181,42,31)
> vol = shift(vol,0,0,21,0)
> ~~~~~
>
> It's after this that I get the error. I have tried to do the following:
> vol = shift(temporary(vol),0,0,21,0)
>
> Now, not only do I get the error, but I lost the whole var as well.
>
> Any suggestions accepted.
```

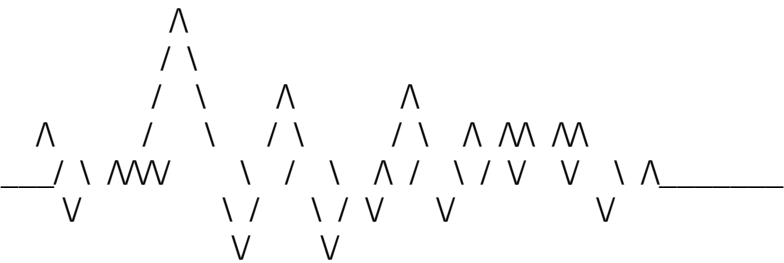
Well, vol is 21MB as a byte array and if a is a float or long integer it's using 84MB of memory. In addition, the shift operation will have to create another 21MB of memory to compute the result. Do you have > 120MB of free memory or virtual memory?

```
> vol = byte(a,12,93,181,42,31)
>   delvar,a
> vol = shift(vol,0,0,21,0)
```

will at least free up 21MB times the type of variable a is. That might give you enough space to accomplish your task.

Dan (I speak for no organization) O'Connell  
geomagic@seismo.usbr.gov  
Seismotectonics Group, U.S. Bureau of Reclamation  
Denver Federal Center, P.O. Box 25007 D-8330, Denver, CO 80225  
"We do custom earthquakes (for food)"  
or

"Just more roadkill on the information superhighway"



FIAT: Oozing rust from every pore, it disintegrated across the floor...  
(Proud owner of auto-recycling FIAT)