Subject: Re: Unpacking algorithm
Posted by Timm Weitkamp on Mon, 17 May 2004 13:41:50 GMT
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Tmorri:

If I have understood your problem, then the following might do the job (given your vector v0, of which you want to get every 4th element into v1 and the others into v2).

```
 i0 = INDGEN(N_ELEMENTS(v0))
 i1 = WHERE((i0 MOD 4) EQ 0, COMPLEMENT=i2)
 v1 = v0[i1]
 v2 = v0[i2]
```

Hope this helps,
Timm

PS. I'm sure there's a better way than using WHERE, but I don't like to think.

On 15.05.04 at 19:00 -0400, Tmorri wrote:

> one second thought,
>
> Does any one have an algorithm to unpack this vector
>
>
> v0=[0 x1 x2 x3 0 x4 x5 x1 0 x2 x3 x4 0 x5 x1 x2 0 x3 x4 x5]
>
> in the following way:
>
> v1=[0 0 0 0 0]
>
> v2=[x1 x2 x3 x4 x5 x1 x2 x3 x4 x5 x1 x2 x3 x4 x5]
>
> x1,x2,x3,x4,x5 are variables that can take any value, even zero, (0).
>
> I just want to get rid othe zeroes (every fourth element)shown in vector
> v0
>
>
> Thanks,
>
> Tmorri
>
>