Subject: Re: Array Subscripting Puzzle
Posted by Richard Younger on Fri, 17 May 2002 21:18:15 GMT
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I came up with an answer for a [3,800,600] image, but couldn't quite
wrap my head around the [800,600,3], so I swapped:

```
 image = TRANSPOSE(image, [2,0,1])

 color_vec = [255,255,0]
 mask = [[3*indices], [(3*indices + 1)],[(3*indices + 2)]]
 image[mask] = $
  REBIN(TRANSPOSE(color_vec), N_ELEMENTS(indices), 3)
```

It certainly would be uglier if you made it all one line (well, two with
TRANSPOSE). Someone clever could probably swap around the index order
on the image to eliminate that transpose and pretty up the mask
construction, too.

Good Luck,
Rich

--
Richard Younger

David Fanning wrote:
>
> Folks,
>
> I have a 24-bit image. You can interleave it anyway
> you like that will make the problem described below
> trackable. At the moment it is 800 by 600 by 3.

[...]

> That seems wasteful and inelegant. There must be
> a way to do this in one go. I'm sure it uses REBIN
> and REFORM, but I'm not sure in which order. :-(
>
> Can anyone help?
>
> Cheers,
>
> David
>