
Subject: Re: making a checkerboard array?

Posted by [David Fanning](#) on Tue, 25 Sep 2007 22:59:57 GMT

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Jean H writes:

```
> IDL> nx=20
> IDL> ny=20
> IDL> l=lindgen(nx,ny)
> IDL> l=(l mod (nx*2) lt nx) XOR (l/nx mod (ny*2) ge ny)
> IDL> print,l
```

If there is a question in there, I think this is the answer:

```
IDL> nx=20
IDL> ny=20
IDL> l=lindgen(nx, ny)
IDL> l=(l mod (2) lt 1) XOR (l/nx mod (2) ge 1)
IDL> print, l
 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0
1 0
 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1
0 1
 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0
1 0
 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1
0 1
 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0
1 0
 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1
0 1
 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0
1 0
 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1
0 1
 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0
1 0
 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1
0 1
 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0
1 0
 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1
0 1
 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0
```

1 0
0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1
0 1
1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0
1 0
0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1
0 1
1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0
1 0
0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1
0 1

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")
