
Subject: Inverting indices?

Posted by [kkobayas](#) on Wed, 29 Jun 1994 16:23:29 GMT

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Hi,

I guess I didn't say it right in the subject, but what I want to do is, say, for $i=[1,3,5]$ as indices for a 10-element array, I need to find the indices for points NOT set by i , that is, $j=[0,2,4,6,7,8,9]$.

Am I making sense? I just need to do $j=OPPOSITE(i,10)$ so that when $i=[1,3,5]$ it'll return $j=[0,2,4,6,7,8,9]$.

I couldn't find a built-in routine that does this. I tried the following code:

```
FUNCTION opposite,idx,n
k = bytarr(n)
k(idx)=1
return,where(not k)
end
```

but this didn't seem to work for some reason. The shortest working routine I could come up with is:

```
FUNCTION opposite,index,n
k = bytarr(n)
k(*)=1
k(index)=0
return,where(k)
end
```

I somehow feel there must be a more efficient way of doing this. Can anyone suggest a better solution? Also, why doesn't the first routine work?

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| "Would you tell me, please, which way I
Ken Kobayashi | ought to go from here?"
| "That depends a good deal on where you
kkobayas@husc.harvard.edu | want to get to." - Lewis Carroll
