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Subject: Question about the TOTAL function.

Posted by [Nuno Oliveira](#) on Fri, 15 Apr 2005 15:53:21 GMT

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I have a question that somebody that works with IDL many had faced before.  
Imagine I have a matrix(X,Y), no matter the type of variable, and if want na  
array with the projection along de x axis, something like

```
for i = 0, n-1 do $
```

```
SUMX = TOTAL(i, *)
```

How can I do it without the FOR cicle.

If I try

```
SUMX[ 0:N-1 ] = TOTAL( 0:N-1, * )
```

The function returns the total of the matrix for the every position of SUMX.  
Is there a way that I can do it quicker?

Thanks in advance,

Greeting,

Nuno.

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