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Subject: Re: how to deal with problem: Loop limit expression too large for loop variable type.

Posted by [Allan Whiteford](#) on Fri, 04 Apr 2008 12:24:05 GMT

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Magic.Zhou@gmail.com wrote:

```
> i just code a for function
> for i=0, ArraySize do begin
> if (Seg_Grey_Image[i] le 255) and (Seg_Grey_Image[i] ge 240) then
> begin
> Seg_Grey_Image[i]=255
> endif
> endfor
> however, the error is :Loop limit expression too large for loop
> variable type.
> it seems this 'ArraySize' is too big. how can I deal with this
> problem?
> Thank you!
```

Change:

```
"for i=0, ArraySize do begin"
```

to

```
"for i=0L, ArraySize do begin"
```

(note the addition of a capital 'L' after the zero).

If you set your loop variable to be a normal (2 byte) integer you can only loop up to 32,768. Adding in the 'L' sets it to a long (4 byte) integer.

Thanks,

Allan

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