Mort,

This involves several calls to Label_Region, but perhaps is easier
than Pal's suggestion (and will work also for a 8-neighborhood, by
including the /all kw in the call):

```
lmig = LABEL_REGION(climg EQ cl[0],/ULONG)
FOR i = 1, n - 1 DO BEGIN
  mxlb   = MAX(limg)
  climgi = climg EQ cl[i]
  limg   = TEMPORARY(limg) + (LABEL_REGION(climgi, /ULONG) +
climgi*maxlb)
ENDFOR
```

Where climg is your classified image and cl is an array of n elements
containing the (numeric) labels of your classes. You might need to
zero the frame of your image before doing this.

Cheers

Guillermo

>> Hi Mort,
>
>> Try LABEL_REGION in IDL.
>> basically does a similar thing, only asks for a n-dimensional image
>> array as input. so you can separate your classification map to a 3D
>> cube with as many classes you have (including 'Unclassified') and feed
>> that to label_region as the data argument.
>
>> Tal
>
> Sounds good. Many thanks, Tal.
>
> Mort