Subject: Re: Where problem
Posted by JJ on Thu, 04 Feb 2010 16:20:21 GMT

The value_locate() solution may work for you, but it will really only
work in pretty specific cases. The X vector must be monotonically
increasing (though you could first sort the list). Even if the values
you're looking for are not in X, a valid result will be returned -
since value_locate() returns the index of the start of the "interval
into which the given value falls" (this issue addressed by wox).

If you want a simple and robust solution to this kind of problem (and
many others), I highly recommend Craig Markwardt's cmset_op routine
(follow the Array/Set link from the Markwardt IDL Library page at
http://www.physics.wisc.edu/~craigm/idl/idl.html).

With cmset_op you would do something like:

index = cmset_op (x, 'and', y, /index)

Of course, if there are multiple entries in your array that have the
same value, and you want to find the indices of all of those
locations, you might want to do a where on each element of y.

-JJ