Subject: Re: Select values from one array that match multiple values from an other array
Posted by Craig Markwardt on Fri, 30 Nov 2012 16:32:04 GMT

Y

On Friday, November 30, 2012 10:15:28 AM UTC-5, PMagdon wrote:
> Dear all,
>
> I tried to use WHERE for multiple comparisons of two arrays.
>
> Here is a minimal example:
> 1.) Two arrays
> A=[1,3,2,5,2,6,1,9]
> B=[1,5]
> 2.) I need to extract all positions of A where any of the values from B occur in A. So that C
should look like this:
> C=[0,3,6]

You can also try MATCH2 from the IDL astronomy library.
  http://idlastro.gsfc.nasa.gov/ftp/pro/misc/match2.pro
This routine tells you which item in B matches A as well.
For example,

  match2, a, b, suba
 ;; ---> [0L,-1L,-1L,1L,-1L,-1L,0L,-1L]
 ;;   0 1 2 3 4 5 6 7

indicates that A[0] matches B[0], A[3] matches B[1], and A[6] matches B[0]. You didn't actually
ask for this level of information, but you can get what you want by using WHERE(SUBA GE 0).

Craig