Subject: Re: How to get matching elements of array efficiently
Posted by JJ on Mon, 01 Mar 2010 19:18:31 GMT
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>
> Are your values integers as in the example? If they are, and if there
> are no big gaps in B (the number of elements of B is not much smaller
> than max(B)-min(B)), histogram comes to mind:
>
> h=histogram(A,binsize=1,min=min(b),max=max(b),reverse_indice s=ri)
> if (max(h) gt 0L) then res=ri[n_elements(h)+1:*] else (deal with the
> case of none found in b)
>
> Which would give the result you want in res, but ordered by bin (their
> order in B). In this example, res would be [0,3,2,4].

What I actually used was something akin to this:

```
h = histogram(a,min=0,max=(max(a) > max(b)),reverse_indices=ri)
w = where(h[b] gt 0)
res = ri[[ri[b[w]],ri[b[w]+1]-1]]
```

-JJ