Subject: Re: How to do a "match merge"?
Posted by Pavel A. Romashkin on Thu, 25 Oct 2001 19:53:29 GMT
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I am not sure what exactly needs to be done. Something like

```
segment = {seg:0, piece:0, rotation:0.0, length:0.0}
segments = Replicate(segment, 2000)
```

segments.seg = indgen(2000) segments[where(segments.seg gt 100)].length = the_Length help, where(segments.seg gt 2 and segments.length lt the_Length)

? Hope this helps. Pavel

Joe Means wrote:

- > ;then I calculate length for each segment and put those values in a
- > vector array whose index is equal to segment-1, so each length can be
- > easily matched to each segment. My question is can I effeciently
- > match the length values into the structure for each piece without
- > looping?>

Subject: Re: How to do a "match merge"?
Posted by John-David T. Smith on Thu, 25 Oct 2001 19:53:54 GMT
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```
Joe Means wrote:
```

>

```
> ;I have a structure:
> segment = {seg:0, piece:0, rotation:0.0, length:0.0}
> segments = Replicate(segment, 2000)
> ;then I read data to fill array segments. For each segment there can
> be 1 or more values of piece,
> ;so the data in segments can look like:
> segment piece rotation
 1
        1
              1.3
> 1
        2
              5.7
> 2
        1
              4.4
> 2
        2
              3.4
              5.5
```

> ;then I calculate length for each segment and put those values in a

- > vector array whose index is equal to segment-1, so each length can be
- > easily matched to each segment. My question is can I effeciently
- > match the length values into the structure for each piece without
- > looping? Statistical programming languages like SAS have match-merge
- > capabilities so this kind of thing is simple, but I am not aware of
- > similar capabilities in IDL.

>

Will

IDL> segments.length=seg_len_vec[segments.segment-1]

do what you want?

JD

Subject: Re: How to do a "match merge"?
Posted by Joe Means on Thu, 25 Oct 2001 22:24:18 GMT
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<a href="https://enal.com/shead/chea

Joe Means

JD Smith wrote:

<blockquote type="cite" cite="mid:3BD86DD2.EA6A4E6@astro.cornell.edu">Joe
Means wrote:
/pre>

<blockquote type="cite">;I have a structure:
>segment = {seg:0, piece:0, rotation:0.0, length:0.0}
br>segments = Replicate(segment, 2000)
br>
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-br>be 1 or more values of piece,

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1 1 5.7
2 4.4
2 2 3.4
2 5.5
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br>easily matched to each segment. My question is can I effeciently
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thing is simple, but I am not aware of
cbr>similar capabilities in IDL.
cbr></blockquote>

<!--->
Will
>
IDL>

</blockquote>

class="moz-signature">--

Joseph E. Means

Assistant Professor, <a class="moz-txt-link-abbreviated"

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Subject: Re: How to do a "match merge"?
Posted by Dick Jackson on Fri, 26 Oct 2001 05:10:17 GMT
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- > "Joe Means" <joe.means@orst.edu> wrote in message news:3BD89112.2070104@orst.edu...
- > Thanks to JD, Pavel and Dick who responded. The simple approach below should > work just fine.
- > IDL> segments.length=seg_len_vec[segments.segment-1]

Ah, it looks like I missed the point a bit. The problem I jumped on was an interesting one, but not one that needed solving. :-(Well, if you did need a way of adding up lengths of all the pieces in each segment *without a loop*, there you go!

Cheers, ---Dick

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