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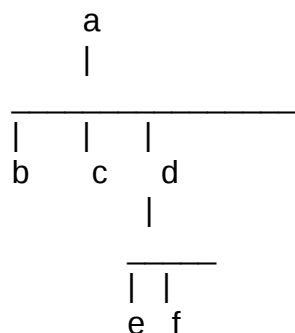
Subject: Tree diagrams for widget diagnostic tool

Posted by [cool](#) on Fri, 30 Jun 1995 07:00:00 GMT

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Hi. I'm wondering if anyone has written an IDL routine to draw tree diagrams, e.g.



except with neat boxes around each member...

Reason being that I've written a widget diagnostic tool that breaks down the current widget list held by XMANAGER into a parent/child/siblings etc tree. From here, I pull out all the event handlers, and assign a toggle button to each event handler such that I can intercept and interrogate any/all events in any currently active widgets, and capture for display values/uvalues etc, before passing the event onto its intended destination.

Having done all the recursive work to generate the widget family tree, I've developed a crude tree diagram in a window, but I can either get the boxes laid out nicely with joining lines that sometimes cross, or joining lines that don't cross, but the boxes are a tad jumbled. I've also had the matching box on the tree diagram "lite up" when a button is pressed.

It'd be nice to find an IDL procedure that would take as input some tree structure, or perhaps a Fortran routine that would return relative XY coordinates of each member of the family. Even a reference to a good text book on this complex subject would be handy.

Hope someone can help!

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