Breskens 2012	Visual debugging

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```
\ruledhbox{j}
\ruledhbox{jj}
\ruledhbox{jjj}
\ruledhbox{jjjj}
\ruledhbox{jjjjj}
```

Details 2a

take boxes

\ruledhbox{take boxes}

Details 2b

some depth too

\ruledhbox{some depth too}

Details 3a

again_{HS:}24n_{HS:}24bOX

\showmakeup \hbox{again an hbox}

Details 3b

multiple boxes

\ruledvtop{\ruledvbox{\ruledhbox{multiple boxes}}}

Details 3c

multiple Boxes

\showmakeup \hbox{multiple boxes}

Details 3c



\showmakeup \vbox{\hbox{multiple boxes}}

Details 3d



\showmakeup \vtop{\vbox{\hbox{multiple boxes}}}

why use 's

\showstruts why \strut use \strut's

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\showglyphs glyphs

glyphs shpylg

\enabletrackers[visualizers.whatsit]glyphs \righttoleft glyphs