Sample document

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Appendix A   Check LLText

```
Wrong LaTeX math environment:
\begin{align}
\end{equation}
```

Appendix B   LLSetBar

Detecting inappropriate use of the vertical bar | is very difficult. We are currently trying to detect the following, although not implemented yet.

`\lvert -1 \rvert`	$\lvert-1\rvert$	ok
`\abs{-1}`	$\lvert-1\rvert$	ok
`\vert -1 \vert`	$\lvert-1\rvert$	ng
`|-1|`	$\lvert-1\rvert$	ng

`\lVert -x \rVert`	$\lVert-x\rVert$	ok
`\norm{-x}`	$\lVert-x\rVert$	ok
`\Vert -x \Vert`	$\lVert-x\rVert$	ng
`||-x||`	$\lVert-x\rVert$	ng

`\relmiddle|` (macro)	$\left\{a \mathrel{\Big|} a > \frac{1}{2}\right\}$	ok
`\mid`	$\{a \mid a > \frac{1}{2}\}$	ok?
`|`	$\{a\|a > \frac{1}{2}\}$	ng

`\divides` (MnSymbol)	$+2 \mid +4$	ok
`\mid`	$+2 \mid +4$	ok?
`\mathrel|`	$+2 \mid +4$	ok?
`\vert`	$+2\vert +4$	ng
`|`	$+2\vert +4$	ng

`f(y|x)`	$f(y\|x)$	ok?
`f(y \mid x)`	$f(y \mid x)$	ok?
`f(\,y\mid x\,)`	$f(y \mid x)$	ok?
`\left. \dv{t} \right|_{t=0} f(t)`	$\frac{\mathrm{d}}{\mathrm{d}t}\big|_{t=0} f(t)$	ok?