PlainT_EX Verbatim

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An inline verbatim such as this is \inline can be made with the code |...|. If visible spaces are desired, use 0|...| instead, which will produce this \inline inline. A display verbatim such as

```
this is \display can be made with ||...||. If visible spaces are desired, use ||...|| instead, which will produce this ||...|| display.
```

Every normal T_EX character (except |) as well as all of the special characters can be used inside this environment, as shown in the following example:

```
!$@$#%^&*()-+=\ /.,;'`^th@<is$ ]\bye *is{ #a ''1\rho > *\tes<t* \undefined .??["
```

Normally, the pipe character | can only be used inside the display verbatim ||...||. However, the macros \makepipeother and \makepipeactive turn the character | into an innocent character and into an active character, respectively. There is also the macro \pipe which expands to \bgroup\string|\egroup. These commands allow for use of the pipe literal | in horizontal mode. For example, both

```
{\tt th\pipe{}s is a pipe}
and
```

```
\makepipeother{\tt th|s is a pipe}\makepipeactive
```

will display this is a pipe. Of course, these macros cannot be used inside the |...| or ||...|| environments. In contrast, the character @ is able to be used normally, provided that it is not proceeded by the pipe character; TEX will recognize the sequence @| as the beginning of a verbatim.

These verbatim environments obey spaces, lines, and blank lines; this allows for code insertion such as

```
void dfs(int p){
    if(o[p]) return;
    o[p]=1;

c[p]=t++;
    for(int i=0; i<s[p].size(); ++i){
        dfs(s[p][i]);
    }

    Oops, the very long line of code is here, it does not fit into the line width unfor-
tunately.
}</pre>
```

which will compile as expected.

As a backup (in case | is needed), the four commands \bverb...\everb and \bverbatim...\everbatim are provided as substitutes for |...| and ||...||. Furthermore, the commands \bverb and \bverbs gobble the first space of their argument. However, these environments cannot be used with @; instead, use \bverbs...\everbs and \bverbatims...\everbatims. Use this command in front of either environment for visible spaces. For example, the code

```
\svs\bverb this is a \test\everb
```

will display this is a \text{\text}. These commands can also be used to display the | character: the code

```
\bverb th|s is a pipe\everb
```

will display this is a pipe, as expected. When the \bverb macro is executed, TeX turns every available character innocent until it scans the exact sequence \everb.

laksdjflaksdjflkdsjf fthis is \undefined \bye sdflkjdf\ev@erb.

```
asdfasdfasdf

void dfs(int p){
   \undefined
}

asdfasdfasdfasdfasdf

void dfs(int p){
   \undefined -- --- '' '' '! '!
}

asdfasdfasdfasdf

this will display

sdfsdfsp
```

and this is the next