`KKluaverb` Package Documentation

Kosei Kawaguchi a.k.a. KKTeX

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1 Outline

The `KKluaverb` is a LaTeX package which provides a Lua-enhanced `\verb` command, `\KKverb`. It can be used in the table of contents, index, underline commands (e.g., `\underLineKK` provided by the luwa-ul package), `tblr` environment and so on.

2 Acknowledgements / Credit

In devoloping this package, I made use of an algorithm which is used in "bxrawstr" (by Takayuki YATO)[1] .

3 Usage

3.1 Basical Useage

As mentioned in the "Outline" seciton, this package mainly provides enhanced `\verb` command. The usage is not much different from the normal one.

```
Input

1   \KKverb|\def\TEST{Test Text.}|
```

```
Output

\def\TEST{Test Text.}
```

3.2 In Verbatim Environments

When this package is loaded, the Lua-sccaning which enables `\KKverb` to detokenize its argument is activated. However, when `\KKverb` used in verbatim environments such as "lstlistings" and "tcblisting", the argument cannot be decoded properly. In such cases, you should use `\KKvScanOff` which deactivates the sccaning process used internally in `KKverb.lua`. Of course, `\KKvScanOn` re-activetes the process.

3.3 Optional Useage

In addition to the main function of `\KKverb`, some optional funcions are provided.

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1) package: https://gist.github.com/zr-tex8r/c7901658a866adfcd3cd66b6dfa86997
    article: https://zrbabbler.hatenablog.com/entry/20181222/1545495849

`\KKvOpChange` can change font and color of the output of `\KKverb`. Also, it can activate or deactivate the sccaner. The usage is as follows:

```
Input
1   {\KKvOpChange{color=blue, font=\gtfamily, enabled=true}%
2   \KKverb|\def\TEST{Test Text.}|}
```

```
Output
\def\TEST{Test Text.}
```

表 1: Default Values of `\KKvOpChange`

Key	Default Value	Description
font	\ttfamily	Sets the font for the verbatim text.
color	color	Sets the text color (requires xcolor).
enabled	true	Activates or deactivates the scanning engine.