NAME
findhyph – find words hyphenated by TeX in a document

INSTALLATION
Copy findhyph or findhyph.bat (depending on OS used) to a directory included in system PATH.
Perl interpreter is required to be in /usr/bin/ for Unix-like systems or in PATH when using findhyph.bat.

SYNOPSIS
findhyph [options] foo.log

DESCRIPTION
To use this program:
1) set \tracingparagraphs=1 in a TeX document foo.tex and run:
2) tex foo.tex
3) findhyph [options] foo.log

If you are setting \looseness=<N> to optimize paragraphs, you need to pass that information
to the file foo.log in a form @looseness=<N> (on a separate line). You can use a macro like
\def\setlooseness#1{\looseness=#1
\immediate\write−1{@looseness=#1}) for this purpose. If the paragraph contains
material in display math mode, you need to use the macro in all split parts of the paragraph.

OPTIONS
-c display hyphenated words in context
-f display font selectors and other strings starting with a backslash character
-v display program version
-p generate file containing information about one-letter prepositions and conjunctions left at the end of line
-l=STRING
use prepositions/conjunctions listed in STRING instead of default list of prepositions and
conjunctions kKsSvVzZoOuUiIA used for Slovak and Czech language

OUTPUT FILES
foo.hyph
List of hyphenated words. All punctuation characters, parentheses and other character
immediately preceding or following displayed words are included in this list. TeX constructs
which are too difficult to display (\hbox{}, \mark{} etc.) are shown as []. Math mode
is indicated by $ sign.

Page numbers in square brackets refer to LOG file and may occasionally differ from the
typeset document. The reason is that TeX may need to break more paragraphs than it would
eventually fit on the page in order to find a page break.

Words hyphenated in footnotes are listed before the words hyphenated in the paragraph in
which the footnote is referenced.

foo.prep
List of prepositions if option –p is used.

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HISTORY

1.0 (2001−04−08)
• public release

2.0 (2009−08−10)
• fixes in line breaks detection algorithm; support for the third pass of line breaking algorithm in TeX (positive \emergencystretch); support for discretionary breaks in the first pass
• page number detection improved (recognized negative page numbers, compound page numbers when \count1 to \count9 registers are non-zero and [nn\{mapfile}\], [nn\{picture}\] and [nn\{newline}\] formats used by pdfTeX; false page number detection should be much more rare)
• configurable list of prepositions and conjunctions
• hyphenated words can be displayed in context
• suggestions and testing by Pavel Stříž

3.0 (2012−02−01)
• fixed a bug when total paragraph demerits are negative
• \looseness setting is now taken into account (thanks to Karel Horák for identifying the issue)

3.1 (2012−11−03)
• fixed displaying of hyphenated ligatures (bug reported by Karel Horák)

3.2 (2012−11−21)
• improved example definition of the \setlooseness macro (thanks to Karl Berry)

3.3 (2013−06−18)
• fixed the manual page as suggested by Eric S. Raymond

3.4 (2015−10−18)
• fixed processing of logs produced using ε−TeX’s \lastlinefit option (bug reported by Karel Horák)
• fixed cross-platform handling of linebreaks in the input file

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