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% historyk.pdf                                An idea of Bernard Gaulle 07/29/92

%                                              Copyright Bernard Gaulle as in french_doc

% kbconfig HISTORY
%
% mods: Let \csubinverse be known of the rest of the world.      --bg 04/20/93

%      Let 7-bit accent macro produce 8-bit chars when possible. --bg 04/28/93

%      Accent macros must produce only one token otherwise
%      upper/lower-casing isn't correctly
%      converted (bug found by Jean-Claude Vivalda).              --bg 05/06/93

% V1.3 Define << and >> for any 8-bit usage(pointed by H.Soulard)--bg 08/10/93

% V1.4 Define a \global \FontEncoding as "CMR" or "ECM" to pass
%      to any run-time style such as french.sty (but let
%      it asis if already defined).                                --bg 08/18/93

%      Add code for kb2lex interface (only for TeX V3.xx)        --bg 08/27/93

%      #4 param of \Medef wasn't a balanced text.                --bg 08/30/93

%      Replace \FontEncoding by \encodingdefault of NFSS2.        --bg 08/31/93

%      Current encoding used if any (\f@encoding).                --bg 09/01/93

%      \@tempa no more redefined bec. used in \input def of NFSS2--bg 09/02/93

%      But ngow using \@tempc...
%      Introduce \protect outside kb2lex because a macro such
%      as \copyright is not expandable due to alignement macros. --bg 09/03/93

%      LaTeX loop over \@tempc solved by \edef to null in[ macros
%      Issue warning when TeX V3 and CMR only.                    --bg 11/22/93

%      \f@encoding may be undefined.                                --bg 12/03/93

%      Allow the NFSS2 user to change of font encoding on the fly--bg 12/15/93

%      \input replaced by \@input if defined.                      --bg 12/17/93

% V1.5 Accent macros redefined at end to usual if outside MlTeX.
%      \aa and \AA were not redefined for 8bits.                  --bg 12/21/93

% V1.6 Let \ifECM be globaly false if undefined. (pb of Goussard)--bg 03/23/94

% V1.7 Correction of previous change that was wrongly coded.      --bg 03/31/94

% V1.8 \ISOfalse disactivated too much active chars.             --bg 05/09/94

% V1.9 Reduced usage of backslash in lex code.(pointed by Vial). --bg 05/30/94

% V1.10 Give a global default definition for < and >.              --bg 06/07/94

% V1.11 Reset invalid LaTeX2e chars to internal \catcode 11.      --bg 09/27/94

%      Hack the format dumping time to set catcode correctly
%      (normally to remove for the 94-95 winter release of LaTeX)--bg 09/29/94

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%      Take care of \I & \SS already defined in 2e.
%      Correct 2e bug regarding OT1 uppercasing of ^^Y, ^^Z      --bg 09/30/94

%      Document these hacks via \wlog.                             --bg 10/03/94

%      Create a latex209.cfg to patch latex209.def which wrongly
%      reset \catcodes.                                           --bg 10/06/94

%      Let 8bit << and >> be equal to \fguillemets and \endfguillemets
%      avoiding them to become back 7bit when a solution will
%      be found...                                                --bg 10/10/94

%      Don't define globally current 2e TextSymbols.
%      Don't redefine accent macros for 2e T1 which includes something
%      like our MlTeX \csubinverse mechanism.                    --bg 10/26/94

%      Rename \: in \r wich is what 2e is using.                 --bg 11/16/94

%      Stronger error messages when running initex TeX+cmr.
%      Define MlTeX \OT1\accent macros for 2e.                   --bg 11/30/94

%      Take in account case when hexa code are undefined for
%      double chars outside MlTeX.                                --bg 12/17/94

%      Set low invalid chars to 11 even if gobbled.
%      Reload of kbconfig needed only for OT1.                    --bg 12/18/94

%      8bit chars in T1 were not defined as accent on letter.    --bg 12/20/94

% V1.13 oe, ae, etc were not activated in T1 ISO.
%      Uppercase of oe, ae, etc were not set to 11 in T1.
%      Force T1 if necessary when emulating 209.                 --bg 01/05/95

% V1.14 \@c@@ wasn't correctly defined for OT1 in 2e.            --bg 01/09/95

%      Avoid hexa codes to point back elsewhere in non-ISO.
%      Enforce \ifHB and encodingdefault wishes.                 --bg 01/10/95

%      Use ^^9c as a gateway to uppercase estzet.
%      \csubinverse didn't use hexa code for non-ISO.
%      \r was undefined in plain TeX.
%      \lccode of \OE was undefined in (and for) plain TeX.
%      Plain def of pounds must not use \char bu \string        --bg 01/14/95

% V1.15 Let \i and \j be i and j inside 2e.                     --bg 02/05/95

% V1.16 Low chars need to be 11, even in 2e.                     --bg 03/06/95

%      Force T1 in latex209.cfg for non-MlTeX engines to ensure
%      that hyphenation be clean. Sugg. by D.B.Roegel.
%      No lcc/ucc for normal T1 ISO slots (correctly set in font).
%      In T1 ISO, chars are not initiated. This was true except
%      for MACRO & LIGS (chars were already activated).
%      \Dohex provides chardef ajustement in hex. True but not
%      for LEX.
%      Plain has an incompatible \i definition for \csubinverse
%      and no definition of \pounds (was wrongly removed by me
%      as few defs for \oe \OE \ae \AE \o \O \ss... (just that!))
%      probably when modifying the code for LEX and 2e).          --bg 03/07/95

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%      TeX3+CMR warning message rewritten in english and no more
%      issued twice.                                     --bg 03/08/95

% V1.17 Reset \Def \Let \Let to undefined as suggested by jose
%      Grimm to avoid conflicts with theorem.sty.       --bg 10/12/95

% V1.18 Math accents too introduced!.                   --bg 01/09/96

% V1.19 Allow to load various keyboard.xxx with \@kbencoding which
%      is defaultly set to "dat". See keyboard.sty too. --bg 02/21/96

%      Add \documentstyle option "english" for compatibilty, thus
%      avoiding to load english.sty.                     --bg 04/05/96

% V1.20 Don't use DC accents in maths with LaTeX T1 font encoding.--bg 06/25/96

% V1.21 Messages numbered.                               --bg 96/10/29

% V1.22 accent macros modified to accept \relax argument. --bg 97/02/18

%      accent macros no more generate an enclosed token {x}. --bg 97/02/19

% V2.00 Removing stuff for 2.09 and TeX V2
%      Introducing \ifEightBitOutput generation to let packages
%      know if they can output 8bit or not.               --bg 97/06/23

% V2.01 \ifISO replaced internally by \nonActiveCar. At users
%      level one use \ACTIVEtrue/false.                   --bg 97/09/19

% V3.00 keyboard.dat file is now fully a configuration file for
%      the user. New keyboard.cfg is for site installator.
%      Encoding tables are now in xxx.kbc (instead of
%      keyboard.xxx).                                     --bg 97/09/26

%      ^^9c is used by various encoding, specially ansinew. So
%      i introduce \unusedslot which is defaultly set to ^^9c.
%      \unusedslot can be changed in *.kbc files.         --bg 97/10/14

% V3.01 8-bits chars with accents are usable in math with MlTeX.
%      Except for \c \r and \H (no solution found, none found
%      in plain.tex too).                                  --bg 97/11/06

%      Define \degre.                                     --bg 97/12/09

%      Now use \ESC before any TeX cs in *.kbc when wiling
%      to pass TeX code to LEX. \copyright and \degre have
%      been modified in *.kbc.                             --bg 97/12/10

%      Output of \copyright need not to be protected.     --bg 97/12/19

% V3,02 \ESC wasn't defined.                             --bg 98/01/23

% V3,03 There was no reason to modify OT1 accent macros of LaTeX
%      when kbconfig called from T1. Removed.             --bg 98/01/27

% V3,04 Conversion of \degre to 8bits was wrong due to mismatch. --bg 98/02/06

% V3,05 Let \ifECM be true for any other encoding except OT1, this
%      will allow LY1 to be used too.                     --bg 98/02/17

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% V3,06 As pointed by Thomas Esser, ^^e9 generated a LaTeX error
%       during the second pass in a non-MlTeX engine, because
%       ^^e9 was activated in the first pass. No more use in the
%       second pass.                                     --bg 98/04/15

% V3,07 Files names may have a blank space on Mac, thus you can't
%       use \jobname asis. I introduce \@jobname for that
%       purpose.                                         --bg 98/04/16

%       Improved by D. Barbier.                           --bg 98/04/22

% V3,08 As when using MlTeX on Mac kbconfig produced bad accent
%       macros (as pointed by M. Bovani) i found that the
%       \csubinverse generation was absolutely wrong. The 8bits
%       code produced was a T1 code in place of a Mac code.
%       Obviously all input encoding near T1 encoding, e.g. latin1
%       ran perfectly untill now.
%       \csubinverse generation modified.               --bg 98/04/29

%       Doing a loop from 128 to 256 for \catcodes setting.
%       Pb to \uppercase es-tzet on Mac. Due to \uccode targeting
%       a non active char. Uppercase hexa code now defined to its
%       uppercase letter value.                           --bg 98/05/05

%       Redefining \newcount for plain TeX.               --bg 98/05/06

% V3,09 Modifications to allow MlTeX to map the Cork encoding.
%       This can be forced by any def. of \forceMlTeXtoCork
%       but then removing the facility to have usual 8bits
%       chars with diacritics in math.                   --bg 98/05/11

%       \imath and \jmath used in math in place of \i and \j.
%       Letters with diacritics now available in math with
%       MlTeX T1, as well as OT1.
%       Math accents for Plain corrected when ec font used.
%       Any \cedilla macro for math somewhere?           --bg 98/05/12

%       Message issued when \unusedslot is already actively active
%       or just a char.
%       ^^P and ^^Q used erroneously in T1 with MlTeX for \i & \j
%       as pointed by M. Bovani.                         --bg 98/05/15

% V3,10 Defaultly chars have no lower/upper case except
%       themselves.                                       --bg 98/06/09

%       \texteuro defaultly defined.                     --bg 98/06/12

% V3,11 Defaultly, in T1 too, chars have no lower/upper case except
%       themselves.                                       --bg 98/07/07

%       When T1, \ss comparison now done on the target code ^^ff. --bg 98/08/13

%       Initiate codes each time of loading (except for LEX)
%       exactly as LaTeX do for the format. Just for caution. --bg 98/08/14

%       Never activate chars for math when T1.           --bg 98/09/01

%       ^^Y ^^Z ^^P ^^Q were invalid chars with plain TeX. --bg 98/09/07

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% Validate \forceMlTeXtoCork only when MlTeX. M. Bovani
% was pointing that hack for other formats. --bg 98/09/12

% Correction of \ifx\texeuro. --bg 98/12/15

% *.kbc all char-macros are now ended with {} as suggested by
% Michel Bovani. --bg 99/01/15

% V3,12 \ForceMlTeXtoCork apply also with plain Tl. --bg 98/12/18

% V3,13 Force ^^[ and ^^_ to be chars for Plain OTl hyphenation. --bg 98/12/22

% When substitution goes through a cs then end it with {}. --bg 98/12/24

% V3,14 \fguillemets and \endfguillemets replaced by \guillemotleft
% and \guillemotright to allow 8bits verbatim. --bg 99/01/07

% Applemac hack: Reset ^^df to \ss when pointing to ^^ff. --bg 99/01/15

% Not doing it twice when making the format. \fmtname
% redefined temporary for testing second pass.
% Releasing \dumpORI and \fmtnameORI to \undefined.
% As all .kbc files contain cs with ending {}:
% (it's now assumed to be done everywhere!)
% i introduce \GobbEmpty to remove empty block after
% alphabetic cs when generating lex file (+I added).
% Accepting LOl encoding as a default, if usefull... --bg 99/01/18

% \fmtname was wrongly set to \undefined at run-time as
% pointed by Werner Struckmann. --bg 99/01/27

% V3,15 Remove any trailing {} when doing \csubinverse. Apply
% to \i, \I, ... --bg 99/02/01

% V3,16 Arg with \i{} and \j{} in \if tests should be the last.
% \IeC now defined as in inputenc.
% V3,17 Using \IeC when encoding a char when otherwise it would
% have pointed to an active char. This should solve pb
% when using \MlTeXtoCork with LaTeX over any write.
% \DEBUGmessage introduced for debugging. --bg 99/02/09

% \IeC usage with plain corrected. --bg 99/02/12

% V3,18 Should check again \unusedslot after keyboard.dat loading.--bg 99/02/19

% V3,19 \fmtname no more temporary set to \undefined. (Pb reported
% by A. Valentin). Now define \InitexTime cmd.
% \@jobname setting correction (for space in \fmtname). --bg 99/02/19

% V3,20 Disable encTeX when dumping. --bg 99/03/25

% Message about \unusedslot now numbered. --bg 99/04/13

% V3,21 \I was never generated back to 7bit as pointed by Werner
% Struckman. --bg 99/04/22

% Keyboard package modified to allow kbconfig to work only
% globally, otherwise previous activated chars like ":"
% in French were disactivated when moving to another
% input encoding. --bg 99/04/28

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%      Chars with diacritics, when activated for math, should
%      be globally disactivated for text, otherwise there is
%      a mess and "missing $" message occurs.                                --bg 99/04/29

% V3,22 Set \@kbspecials for any \kbtypeout cs like in french
%      or keyboard packages to typeout with the appropriate
%      keyboard encoding.
%      Set \@kbencoding in the format.                                        --bg 99/05/07

%      \mathring introduced (LaTeX R9 June 98).                                --bg 99/07/07

% V3,23 Now loading hyphenation exceptions file, if any, at
%      each new encoding switch, but only for the current
%      language and never for a dialect.                                      --bg 99/08/09

%      Avoid kb-translations when running kb2lex.                            --bg 99/08/12

%      Allowing / to be a letter in .kbc files.                             --bg 99/08/26

%      Loading .kbc file inside a group, like keyboard.sty
%      All \catcode on char set of .kbc now done globally.                  --bg 99/08/27

%      Not willing to delay the distribution of the french files
%      i release kbconfig asis with \kbtypeout=\typeout.
%      New feature will come in a next release.                            --bg 1999/10/11

%      Message -29- relooked.                                                --bg 1999/10/12

% V3,24 \protect should be defined as \relax with Plain T1.
%      This is done in frtex.ini                                            --bg 1999/11/04

%      \ESC now protects the next \ as a string so that we
%      can write any code .lex. Was done for \times and \div
%      in (iso)latin1.kbc and (iso)latin9.kbc                                --bg 1999/11/05

%      ... but needs \+ not an \outer def with Plain.                      --bg 1999/11/23

% V3,25 When defining \unusedslot one should use \gdef                      --bg 1999/11/24

%      Mods processing \@unusedslot.
%      Message -59- added to avoid a format have any default
%      output text, i.e. page in it.
%      Now shipping "\IeC{value}" instead of "\IeC value".
%      Ugly hack about ^^df removed.                                        --bg 1999/11/26

% V3,26 \ForceMlTeXtoCork no more used. Replaced by a test
%      comparing kbencoding to Cork's one.                                    --bg 1999/12/03

% V3,27 \IeC is now defaultly defined as a mark of input encoding
%      processing included.
%      Message -61- added in order the user chose between
%      inputenc or keyboard (just a warning).                                --bg 1999/12/20

%      Allow mltex.sty to be preloaded.                                       --bg 1999/12/22

% V3,28 \ESC definition changed for to8 for translation
%      of \cs into \\ "cs" and \string x into \\ "string x".
%      +unskip \def no more usefull, removed.
%      \def of +l, +L, +o, +O, +P, corrected.                                --bg 2000/02/28

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% Wrong 8bits char generated via \csubinverse due to
% the use of \string. Char, even \active, is regenerated
% as a letter via the \Recycle macro. --bg 2000/06/14

% MlTeX+Tl should not have default \ACTIVEtrue. But any composite
% character which don't match Cork should be defined in *.kbc
% file within an \ACTIVEtrue bloc.
% \csubinverse mechanism should not apply when MlTeX is off.
% More: \@x@letter should be reset to \undefined in
% that case. --bg 2000/06/28

% kb2lex generation of eight bits lex files no more
% surrounds (non composite) char with braces. --bg 2000/10/04

% 8bit guillemets now expand to \csname guillemotleft\endcsname
% so there is nothing to gobble after that def.
% \@macencodedecode need a complete argument (e.g.
% {\csname guillemotleft\endcsname}). Thus all calls are
% now inside a block. --bg 2000/10/27

% \i \I and \j wrongly generated in 7 and 8bits. Basic
% translation made the same way alone chars eg \"{i}. --bg 2000/12/08

% Message number 61 renumbered 67. --bg 2000/12/20

% Missing space after \string^^xx. --bg 2001/01/23

% fpTeX does not allow to \read a file declared as
% \newwrite, so i declare it also as usual
% with \newread (tha's the recycle file). --bg 2001/03/22

% V4,01 \cedilla added for math. --bg 2001/12/13

% \imath and \jmath were not in use due to change in \i
% and \j definitions, so they were printed as in text.
% \DEBUGmessage added for math generation. --bg 2001/12/14

% Avoid loop when inputenc is loaded in a French mltex
% format: \@tabacckludge is redefined as \@gobble
% in math. mode.
% Numbering messages 69 and 70. --bg 2002/02/12

% \csubinverse DEBUGmessage misplaced.
% EncodeDecode macros renamed for meaning.
% latin1 and latin9.kbc modified for divide and multiply
% chars defs. --bg 2002/02/14

% Definition of degree char in *.kbc modified to \r{.
% Definition of euro char in *.kbc modified to
% \csname...\endcsname because \texteuro id defaultly
% \undefined. --bg 2002/02/20

% V5,00 \@kbspecials tunned for \kbtypeout.
% Full keyboard output encoding now running. --bg 2002/03/06

% Added: \blankspace and \dGs definition to avoid
% gobbling space when encoding to 7bit. --bg 2002/03/13

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