```
% This is french_doc.pdf             (informations en francais dans frdoc.tex)
%      by  Bernard GAULLE since 1989.
%.....................................................................
% Have you registered? if not, fill in the form in the REGISTER file and send
% it now, otherwise Bernard will never accept your messages requesting help.
%.....................................................................
% (Copyright notice in English just after the French one)
% Copyright GUTenberg-Gaulle 1992-1998, Bernard Gaulle 1999-2007:
% ============================================================
%    - La distribution de l'extension FrenchPro pour LaTeX est effectuee
%      selon le mode shareware. Apres installation et essai de ces fichiers
%      pendant un mois vous devez decider soit de les garder pour en faire
%      un usage regulier soit de les detruire. Si vous les conservez il vous
%      faut regler vos droits d'utilisation aupres de l'auteur (29 euros
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%      le droit, par exemple, de ne redistribuer qu'une partie des fichiers
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%      sur le domaine de l'Internet (dont les serveurs CTAN).
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%      et prets a la distribution.
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%      avec la volonte qu'il soit correct mais aucune garantie ne peut etre
%      fournie, de quelque ordre que ce soit. Les utilisateurs l'utilisent
%      entierement a leur propre risque. L'auteur n'admettra et n'acceptera
%      d'etre lie par un quelconque engagement en cas de manque a gagner,
%      direct, indirect, immediat, consecutif ou autre, resultant de son
%      utilisation.
%    - Vous n'etes PAS AUTORISE a vous substituer a l'autorite de l'auteur
%      en appliquant des modifications, meme si de votre point de vue, elles
%      corrigent des deficiences.
%      Les lois internationales, europeennes (91-255) et francaises (94-361)
%      sont applicables.
%      L'utilisateur de ce logiciel peut toutefois le personnaliser a volonte
%      par differents moyens expliques dans la documentation. L'auteur du
%      logiciel n'est toutefois aucunement lie par une modification introduite
%      par une personnalisation utilisateur.
%
% Copyright Gaulle-GUTenberg 1992-1998, B. Gaulle 1999-2007.
% ==========================================================
%    - The distribution of the FrenchFro package for LaTeX is made on
%      the shareware mode. After installation and tests of these files
%      during one month you have to decide either to keep them for
%      further use or to delete them. If you keep them you have to
%      pay the usage fees to the author (29 euros for single user licence,
%      look at the REGISTER file).
%    - You are NOT ALLOWED to change in any way all files marked
```

```
%      with  "Copyright".
%    - Free redistribution of this distribution is authorized but only
%      when complete and not pre-installed.
%      You are NOT ALLOWED to take money for the distribution or use of
%      these files except for a nominal charge for copying etc.
%      All softwares sold via commercial distributors are considered to
%      make money, even they don't make an important profit, thus the
%      redistribution is strictly limited to a previous agreement with
%      the author.
%    - You are NOT ALLOWED to include these files in a package/software in
%      a way that will reduce its capabilities or features; this doesn't allow
%      you, for example, to redistribute only few parts of the whole original
%      files.
%    - All the files included in the distribution are available freely inside
%      the Internet domain (and specially on CTAN servers).
%    - There was no virus at the time these files were completed for
%      distribution.
%    - This computer code is offered in hopes that it will be found useful,
%      and in the belief that it is correct, but it is offered without any
%      warranty of any kind, including warranty of fitness for any purpose.
%      Users of this code do so entirely at their own risk. The author neither
%      admits nor accepts any liability for any loss, direct, indirect,
%      consequential, incidental, or otherwise, resulting from the use of this
%      computer code.
%    - You are NOT ALLOWED to substitute author's authority by applying
%      modifications even if, in your point of view, they correct deficiences.
%      International, European (91-255) and French (94-361) laws apply.
%      There is still the possibility for the user to customize this
%      package at his wishes by various means explained in the documentation.
%      The author of the package is not liable for any change introduced
%      by any users customization.
%.....................................................................V2.5
%%
%%      checksum        = "58183 3991 14896 209605"
%%
%.....................................................................
% NOTICE that this work was done without any formal support.
%        Friendly helps, supports as well as sponsors are welcome!
%.....................................................................
\expandafter\ifx\csname frenchTeXmods\endcsname\relax%...\ifundefined
\else \endinput \fi%..... \then go ahead \else do nothing \fi
\def\frenchname{french}% This is the name of our language.
\def\frenchpack{FrenchPro}% This is the name of the product.
\def\ds@french{}% this might be usefull if loaded before \document...
\def\ds@pmfrench{\pmfrench}% further defined
%\def\ds@le{\input frenchle.sty}%
%
%   french.sty developped by Bernard GAULLE for French-Speaking Users as of:
{\catcode`\@=11{%
 \ifx\@unexpandable@protect\undefined\let\protect\empty%
 \else\let\protect\@unexpandable@protect%
 \fi%
                          \xdef\FSfd{28 juin 2007}%
                          \xdef\FSfv{V5,9994}%
                          \xdef\frenchstyleid{\FSfv\space-- \FSfd\space --}%
}}%
                          \edef\FSfd{2007/06/28 }%
%
%   I started this job years ago (in 1989) firstly
```

```
%   using ideas by Jacques DESARMENIEN, the French pioneer and also by
%   Eric PICHERAL (CICB, Rennes), Nicolas BROUARD (INED, Paris),
%   Marc SHAPIRO (INRIA, Rocquencourt), Raymond SEROUL (Lab Typo. Strasbourg),
%   Philippe LOUARN (IRISA, Rennes), Olivier NICOLE (INRA, Jouy),
%   Rainer SCH\"OPF (Uni. Mainz), Johannes BRAAMS (PTT, NL) and others.
%   I stopped to collect the names of the good guys in 1991 when i decided
%   to make a seriously enhanced & rewritten distribution i released as V3.0.
%
%%  Free gift to GUTenberg  (Frenchspeaking TeX Users Group)
%%  during 12 years.        (Groupe francophone des Utilisateurs de TeX).
%%  Shareware since january 2001 (Version 5,00).
%
% Send suggestions/bug reports/corrections to the author: frenchprobg@free.fr
%                 (Bernard Gaulle, 44 rue P. Curie, F-92700 Colombes)
%
% Canonical Archives server is: www.gutenberg.eu.org
%                               (in /pub/GUTenberg/french)
%                                where these files are archived.
%
% Running only with LaTeX2e, oldest format required:
\NeedsTeXFormat{LaTeX2e}[1996/12/01]% the latest one acceptable
\let\auxWARNINGi=\@gobble% accept aux files produced by french
% This style is using, at most:
%%<
%%> 577 strings out of 11731 (4.9%);
%%> 4675 string characters out of 85497 (5.4%);
%%> 11217 words of memory out of 262141 (4.2%);
%%> 567 multiletter control sequences out of 9500 (5.9%).
%
% (I used usual teTeX with option mltex).
%
% Lastest updates (previous updates infos in history file)
% ===============
%
% V5,995
%Released                                                    --bg 2005/04/18
%       \XeTeXinputencoding is no more running: supporting
%       XeTeX is now differed. Jonathan Kew informed.       --bg 2005/12/25
% V5,996 patch to allow \label to run in math mode.          --bg 2005/09/09
%       Reported by Simon Pierre Desrosiers.
%
%       \captionseparator is off with memoir.cls,           --bg 2005/10/08
%       use \captiondelim.
%       Reported by Frederic Connes.
%
%       Patch for relsize [2003/07/04 ver 3.1] to avoid messages when
%       the smallest size is less than de default of 6pt.   --bg 2005/12/22
%       Reported by Frederic Connes.
%
%       Patch for nomencl.sty which force \kbtypeout to be
%       called from \item in an unexpandable environment and
%       then producing an undefined \f@tempa break. So i add
%       \nofrenchwarnings in \printnomenclature. The problem
%       was reported by J.B. Moreau.                        --bg 2006/01/19
%
% Released                                                        2006/03/25
% V5,997 Emergency message added when frlicense.dat is empty.
%       Change in tabbing environnement: \tabbingaccents is
%         now the default in French since 8bits chars in T1
```

```
%          are always converted to 7bits chars "a la TeX".
%          \notabbingaccents added in \nofrenchtypography.
%          The pb was reported by Frederic Petit.                    2006/04/25
% V5,998 Released - new production scheme.                           2006/07/04
% V5,999 Patch for frenchle: ## illegal parameter in \@tempa (\')  ?
%        issuing message with superfluous double \string (\@w@s).   2006/08/15
%        Natbib correction: bibitem macro was one oboslate of
%           jurabib. Jurabib bibitem macro obsolate and misplaced.
%           Full code revisited.                                     2006/08/18
% Released 2006/08/25
% V5,9991 When FrenchPro is called from babel(fr) all given options
%         should not be processed by the msg package, so we call msg
%         saying it's an \intern@lc@llfrom{FrenchPro} and it has to
%         use the French language.
%         But don't force French when calling from kernel.          2006/10/03
% V5,9992 German localisation completed, thanks To Werner Struchmann.
%                                                                    2006/10/13
% V5,9993 Empty \caption was not processed correctly and thus the
%         the caption separator was erroneously printed.            2007/02/09
%         \texttt is now robust, avoiding wrong expansion in title
%         heads especially.
%         \MakeRobustCommand now creating \cmd_fp in place of
%         \cmd_. (a LaTeX robust command can be made robust for
%         FrenchPro too).                                           2007/02/11
%
% V5,9994 Correction for empty caption didn't run with hyperref. In
%         a first step i remove the modification and will try to
%         find the good mod to avoid the \captionseparator be
%         printed.                                                  2007/06/28
%
% and also check if there is any frpatch.sty file available.
%
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%
% Object: DOCUMENT CLASS OPTION for printing French texts with TeX or LaTeX
%         as well as english. (or multilingual texts in which French is the
%         main language).
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%
% It can be called:
% via       \usepackage{french}      % french is alone
% or        \usepackage[french]{mlp} % using The Multi-Lingual Package
% or as an option of \documentclass, when using mlp.
%(or via Babel, with less features)
%
% Commands to be used by the end users:
% ====================================
% \frenchtest          between \document.... and \end{document} will run
%                      the LaTeX "Torture Test" (see french*.tex files).
% \frenchdoc           between \document..... and \end{document} will compose
%                      the LaTeX documentation (see frenchlu.tex file).
% \french              Apply French conventions including hyphenation,
%                      typography, page layout, titles inside documents and
%                      few other things helping when typing a document.
%                      This is the default language.
% \begin{french}...\end{french} to bind the French text with LaTeX.
% \french ... \endfrench with TeX.
% \pmfrench (preambule command) ... the poor man way
%                      (or \usepackage{pmfrench} vi pmfrench.sty)
```

```
%                       to let the French style run even the TeX motor
%                       (ie format) was not installed or configured in a way to
%                       use the French language (hyphenation, language.dat,...)
%                       Be aware that a lot of things might not provide their
%                       usual featuring. Notice also that then the following
%                       commands do nothing:
%                             - \noeveryparguillemets
%                             - \lettrine and \flettrine
%                             - \abbreviations and "..."
%                             - \frhyphex
% \usersfrenchoptions{.. French options ..} to allow the user to change the
%                       default options. All options given inside braces remain
%                       active all along the document inside language French.
%                       This command can be reused, provided arguments are
%                       then cumulated.
% \english              for going back to "normal" English conventions
%                       And if you have a language.dat config file defining
%                       german and dutch languages OR you use
%                       \NouveauLangage[n]{german} and
%                       \NouveauLangage[p]{dutch}  where n and p are internal
%                       unused language number, then you can type:
% \german               to  switch to German conventions
% \dutch                or to  switch to Dutch conventions or to
% \any_name             (any language created by \NouveauLangage[n]{any_name})
% \NouveauLangage[n]{language_name}  (as previously explained)
%                       define \language_name which will call \language_nameTeX
%                       assuming that \language_nameTeX is/will be defined
%                       (normally in a style file).
% \beginlanguage        switch to the language that started first after
%                       \begin{document} (depending of the last lang.style opt)
% \beginFWdirection     switch to the first direction of writing when TeX--XeT.
%--------------------
% Commands for compatibility:
%
% \inferieura           is the original less than sign (<)
% \superieura           is the original greater than sign (>)
% \pointvirgule         is the original ";"
% \deuxpoints           is the original ":"
% \pointexclamation     is the original "!"
% \pointinterrogation   is the original "?"
% \lq  and \rq          stands for `  and  '
%         ^\prime       stands for ' in maths
% \lqq and \rqq         stands for `` and ''
% \dittomark            stands for "
%
% \originalinput{file_of_code} is supplied to input any code that might be
%                       incompatible with the French style.
%                       You can also disable the French style using:
% \begin{nonfrench}...\end{nonfrench} with LaTeX
% \nonfrench.........\endnonfrench   with plain TeX
% \originaloutput[file]{text} is supplied to output any text that would
%                       otherwise generate expanded macros for activated chars
%                       instead of original characters. "file" is a stream
%                       number related to open file defined by \newwrite.
% \def\encodingdefault{...} can be set to "T1" or "OT1" to change the default
%                       font encoding that is normally set in the format
%                       (with initex material and specially kbconfig.tex)
%--------------------
% \frhyphex             Reload once French hyphenation exceptions file from
```

```
%                          language.dat (give this order in the preambule)
%                          Not usable with plain (or low level languages).
% \frenchhyphenation   Apply French rules on hyphenation:
%                          - as stated in the patterns file
%                          - with exceptions as established by \hyphenation
%                          - of words starting with one upper case letter
%                      and also allows accent macros in \hyphenation
%                      or \showhyphens.
% \nofrenchhyphenation Nullify former actions
%
% Other commands for hyphenation that remains unchanged over \french reinit.
%
% \allowhyphens        allow the following word to be hyphenated (useful
%                            sepcially in the second part of a compund word.
% \allowuchyph         allow hyphenation of words starting with a capital
%                            letter (this is the default as in plain & lplain)
% \allowfulluchyph     allow it even if a \hbox would normally forbid it in
%                            the present code.
% \disallowuchyph      forbid it (this is my own recommandation)
% \tthyphenation       allow hyphenation of words in the present \tt font
% \notthyphenation     disallow hyphenation of words in the present \tt font
%                      (never saved; last value in a \par is that which works;
%                       default value is that given by the main doc-style;
%                       presumely the default -if not: tell me \tthyphenation;
%                       this is the default in lplain.tex)
%--------------------
% \frenchtypography    Apply French typography (spacing) on :
%                        - double punctuation ! ? ; :
%                        - guillemets (<< >>).Use \endguillemets instead of >>
%                          for ending 2 levels of guill. at the same time or
%                          when the ("everypar") open guillemets were ended in
%                          a previous inner environnement.
%                          Italic correction automatically added if necessary.
%                        - footnote marks in the text and minipages.
%                        - footnote references (\refmark).
%                        - thanks in titles.
%                      Print footnote number in the same font as the footnote
%                          text followed by a dot and appropriate spacing. When
%                          used in table environment footnote marks are typeset
%                          as in a minipage.
%                      Italicize the caption text (using \captionfont defaultly
%                          set to \emph).
%                      Change caption separator (":" replaced by value of
%                          \captionseparator which default is "~--")
%     Suboption: \frenchmathcomma
%                      Remove space after coma in math mode (default)
%                \regularmathcomma
%                      to set space, as usual after comma in math mode.
%                (chosen option is used to print numbers with \nombre).
%                \originalmathcomma
%                      to reset coma mathcode as before FrenchPro wass called.
%     Suboption: \unnumberedcaptions{figure/table} to remove headings in
%                          caption tiltles. This is a global suboption.
%                          It nullify the according \listof...(figures/tables).
%                          It can be used only once. Can't be turned back later
%                          in French.
%                      Hyphenate correctly. (The lowest level of application
%                                            is the paragraph.)
%                      Discourage page breaking after ``:''
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%                       Forbid line breaking before double punctuation and >>
%                                                 and after <<.
%     Suboption: \noTeXdots will change them to 3 closed dots
%                \TeXdots leave \dots, \ldots as well known TeX dots (default)
%     Suboption: \nofrenchguillemets stops producing French guillemets.
%                \frenchguillemets starts producing French guillemets (default)
%     Suboption: \ancientguillemets start every paragraph of second level
%                                   guillemets with closing >> instead of <<.
%                \todayguillemets   normal way at the present time (default)
%     Suboption: \noguillemetsinarrays will print << or >> in standard arrays
%                      textual modes (depending of the font used).
%                \guillemetsinarrays is the usual default value.
%     Suboption: \guillemetsinallfonts allows to print them in any font but
%                \guillemetsinroman remains the usual default value.
%     Suboption: \guillemetsfont allows, when in a T1 font encoding running
%                scheme to choose the font for guillemets, just define or
%                redefine \guillemetsfont.
%     Command:   \endguillemets ends levels 2 & 1 at the same time (i.e. >>>>)
%     Suboption: \noenglishquote replace TeX ` ' quotes AND apostrophes
%                                by accents ` '  (to use only temporary).
%                                Do nothing inside a tabbing environement.
%                                \...code and \char become unusable asis.
%                \englishquote   is the default
%     Suboption: \noenglishdoublequotes for replacing `` with << and '' with >>
%                                Do nothing inside a tabbing environement.
%                                \...code and \char become unusable asis.
%                \englishdoublequotes   normal quoting ``...'' is the default
%     Suboption: \untypedspaces force a space where normally French people
%                               type one (before ; : ? ! >> and after <<)
%                \typedspaces   is the default value
%     Suboption: \tabbingaccents allow to put \` and \' diactrics on letters
%                when used in tabbing environment. \' and \` remain their
%                original tabbing usage if followed by a blank space.
%                Also usefull for 8bits chars ; this is the default.
%                \notabbingaccents is the usual LaTeX usage.
%     Suboption: \idotless suppress point on i when accented with ^ and "
%                \iwithdot is the default
%     Suboption: \EBCDICbrackets replace non-math mode < ... > by [ ... ]
%                (..IBM has no brackets so < and > are often used as brackets)
%                \normalbrackets is the default
%     Suboption: \letpunctutionactivefor to use allways with something else
%                (like \wrongtypedspaces), let punctuation (! : ; ?) active
%                after French style. Caution: it's extremly dangerous!
%     (specify the suboptions after \frenchtypography)
%     (sub-options are not saved/restored over a language switch)
% \nofrenchtypography  Nullify former actions
%     Suboption: \wrongtypedspaces suppress spaces before double punctuation
%                (! : ; ?) which was erroneously typed \`a la fran\c caise.
% \text{...}     Allows to typeset text in math mode (AmS like command).
%--------------------
% \ConstantLayout is a one time macro that disallow to change page layout
%                 and any other typographic feature when switching to another
%                 language. Once used in any language it is applied for the
%                 whole document.
% \frenchlayout        Apply:
%                        - indentation of all (first LaTeX) paragraphs:
%      Suboption: \indentfirst is the default or
%                 \nonindentfirst which forces no indentation at all.
%                        - set item markers as --. User can choose others
```

```
%                         markers via the command
%                         \frlabelitems{\renewcommand{\labelitemi}...}.
%                         Look at documentation for more details and specially
%                         for the use of \checkitemguillemets.
%                       - reset section counter when starting a part.
%      Suboption: \noresetatpart nullify the former action.
%      Suboption: \noresetatchapter will not reset footnote counter at chapter
%                         change.
%      Suboption: \frenchtrivsep sets (reduced) vertical spacing in lists, this
%                         is the default. As this spacing is forced warning
%                         message is issued when other spacing is user
%                         expected. Look at \frenchwarnings part.
%                       You can choose your own values by setting the lengths
%                       with the command \frtrivseplengths{\setlength...}.
%                       In that case no warning message is issued.
%                \nofrenchtrivsep resets the standard spacing in lists.
%                       - special spacing with the experimental "order" list.
%                       - print table footnotes as in minipages.
%                       - print a coma between consecutive footnotes.
%       Suboption: \frenchpagestyle apply a French pagestyle when starting a
%                         Part or a Chapter or an Index (provides \printindex)
%                \nofrenchpagestyle will not.
%       Suboption: \beginingfolio print the folio on theses pages (default)
%                \nobeginingfolio will not.
%                       - modify thebibliography environnement to be referred
%                         in toc and have a valid anchor in hyperref docs.
%                       - with letter.sty: address placement, typeset \closing
%                         as a paragraph and with \fclosing in place of
%                         closing you can chose spacing between closing and
%                         signature by saying \fclosing[n]{...} with n being
%                         the number of \medskipamount (default is 9).
%                         to typeset the date with \location{Paris, le ...}
%                         \yourref{...} to refer to a received letter
%                         \ourref{...} for your own reference
%                         \object{...} to precise the object
%                         \PS{...} for a post-scriptum
%                         \email{...} for the email address
%                         \def\formhead{...} for the odd page headings
%                                       (not operational with \nopagenumbers)
%                         \def\formfoot{...} for the odd page footings
%                                       (not operational with \nopagenumbers)
%                         \wideletter to enlarge the default linewidth.
%                       - offer macros for starting paragraphs with a dropped
%                         initial capital letter:
%                            with \lettrine the first letter of the first
%                                 token will be dropped. (warning: in 7-bit
%                                 write {\c C} for example). Remaining part
%                                 of the token in printed in small caps.
%                            with \flettrine a box will be printed around.
%                            Generic syntax:
%                                 \lettrine{Begining of the paragraph}
%                                \flettrine{Begining of the paragraph}
%                            or   \lettrine[<< {Begining} >>] (let spacing!)
%                                \flettrine[<< {Begining} >>] (ending >> might
%                                                    be given later in the text)
%                         \lettrine or \flettrine START a paragraph! And
%                         to avoid any problem the paragrpah must end with an
%                         explicit \par. This is a fragile macro!
%     Suboption: \noautomaticlettrine (default) processing;
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%                       the lettrine uses a standard LaTeX font size.
%                           You can use \lettrinefont to define the font you
%                           want at the size you want. As default \lettrinefont
%                           is set to \Huge.
%                           Use \def\lettrinehang{n} to force hanging of n
%                           lines (there is no default value).
%                \automaticlettrine processing: the lettrine uses a computed
%                           font size.
%                           You can use \lettrinefontname to set the font
%                           (default is current font) and it will start the
%                           \automaticlettrine feature that means a new value
%                           of \lettrinefont is established (font-size).
%                           \lettrinehang is defaultly set to 2 lines and
%                           can be changed.
%                           The \automaticlettrine feature can be stoped by
%                           calling \noautomaticlettrine.
%     Suboption: \everyparguillemets open guillemets on every paragraph
%                                    until closing and do nothing at level 2.
%                                    This is the default.
%                \everyparguillemetsremoved switch off the previous feature.
%                \noeveryparguillemets don't start each par with guillemets
%                                     but start each level 2 line with them.
%                                     \guillemets is forbidden, use 7/8bit
%                                     guillemets chars.
%                                    (see documentation for further explanations)
%     Suboption: \overfullhboxmark print the TeX black box exactly where there
%                                     is an overfull hbox (as draft option do)
%                \nooverfullhboxmark is the default in LaTeX
%     Suboption: \labelsinmargin put labels in margin for debugging purposes
%                                   This option can be used anywhere (outside
%                                   \frenchlayout as well as \french environment)
%                \nolabelsinmargin is the default
%
%                       Propose the following environments:
%
%  Environment   \begin{drapeaufg}...\end{drapeaufg} to typeset raggedright
%                           with hyphenation.
%  Environment   \begin{drapeaufgIN}...\end{drapeaufgIN} to typeset raggedright
%                           without hyphenation (rules of Imprimerie Nationale)
%                           As text is never split and overfull can occur
%                           you may have to split lines by hand.
%  Environment   \begin{drapeaufd}...\end{drapeaufd} to typeset raggedleft
%                           with hyphenation.
%  Environment   \begin{drapeaufdIN}...\end{drapeaufdIN} to typeset raggedleft
%                           without hyphenation (rules of Imprimerie Nationale)
%                           Text printed past the line limit may occur.
%  Environment   \begin{order}...\end{order} to enumerate items with
%                           via \primo \secundo etc. and with sepcial spacing
%  Environment   \begin{figurette}...\end{figurette} to place a (little)
%                           figure EXACTLY here.
%  Environment   \begin{versatim}...\end{versatim} to print verbatim
%                          but with hyphenation typeset as in \verse and with
%                           \noenglishquote and \noenglishdoublequotes available
%     Commands:  \vers|...| the inline (or intext) vserion of "versatim"
%                \verbatimfile{filename} the filename is inputed in verbatim
%      BUGED!!   (\nopagenumbers reintroduced if undefined)
% \nofrenchlayout      Nullify former actions
%--------------------
% \frenchtranslation . Translate all English titles used in LaTeX, to french
```

```
%                       and generate French dates. This is the default.
%                       All things should normally run with std LaTeX or Babel.
%                       You can also create your own styles using these captions
%                       A lot of captions are newly defined for letters.
%                       You can also change the titles with your own definitions
%                       by using \fraddto\captionsfrench{\..name}{title}.
%  Environment    \begin{resume}...\end{resume} to print an abstract
%                      . \resume has been defined for French abstracts (we often
%                       need French and English abstracts together). You must
%                       be in \french before using it. (like you are in \english
%                       when you use \begin{abstract}...\end{abstract}).
%  Environment    \begin{motsclef}...\end{motsclef} to print a keywords list.
%                      . \motsclef has been defined for French keywords.
% (Environment    \begin{keywords}...\end{keywords} to print a keywords list)
%                       (by the way i have defined \keywords \endkeywords)
%                      . \sommaire is defined as a toc in front of a document.
%                       \sommaire[1] don't print paragraphs entries and below.
%                       \sommaire[2] don't print subsubsection entries and below
%                       \sommaire[3] don't print subsection entries and below,
%                                    this is the default for \sommaire.
%                       \sommaire[4] don't print section entries and below,
%                      . \annexe and \annexes have been defined.
%                      . \glossaire and \glossaires have been defined. If the
%                          "theglossary" is undefined, allow:
%                          \printglossary[filename] (default is jobname.gls
%                                       produced by pgm "makeindex -s gglo.ist")
%                          NB: code preferably \glossary{[name :] explanation}
%                          and: without makeindex allow to code jobname.glo
%                               (instead of .gls) & print something acceptable.
%                      . makeidx.sty is included and translated.
%                      . \seealso  is defined for indexes.
% \nofrenchtranslation Nullify former actions.
%--------------------
% \frenchmacros        Add a lot of macros to help in typographic process.
%                       \ier    for printing 1\ier  (premier)       (examples)
%                       \iere   for printing 1\iere (premiere)
%                       \ieme   for printing 2\ieme (deuxieme)
%                          and their plurials \iers, \ieres and \iemes.
%                       \FileName{file_name} for 8bit file names, then
%                          use it by calling \theFileName (e.g with \input).
%                       \WindowsUnits{name1=A,...,namen=N} to define macros
%                          names to assign to Windows units which will be called
%                          in any input file process (\name1: ... \nameN:)
%                          protecting from the activated colon character.
%                       \at     for printing @      (at)
%                       \vert   for printing |      (vertical bar)
%                       \chap   for printing ^      (hat or circonflexe)
%                       \backslash for       \      (backslash)
%                       \tilde  for printing ~      (tilde)
%                       \nombre for printing large numbers and have the correct
%                               spacing (p.ex. \nombre{123 456,789 012})
%                       \numero for printing        (no)
%                       \Numero for printing        (No)
%                          as well as \numeros and \Numeros
%                       \degres for printing        (degrees)
%                       \leftguillemets for  <<     (unbalanced left guillemets)
%                       \rightguillemets for >>     (unbal.  right guillemets)
%                       \fup{X} to  put X in a smaller size supscript
%                       \primo      \secundo  \tertio  \quarto \quando={n}
```

```
%                       [or:\primo) \secundo) \tertio) \quarto) not recommanded]
%                       \fsc{name} or \fsc{NAME} will print as \textsc{Name}
%                       \fsc*{name} or \fsc*{NAME} forces use of \rmfamily
%                       \lsc{name} or \lsc{NAME} will print as \textsc{name}
%                       \lsc*{name} or \lsc*{NAME} forces use of \rmfamily
%                       \refmark{X} stands for \footnotemark[\ref{X}]
%                       \moretolerance will double each TeX tolerance within
%                             any chosen grouping (useful in narrow situations).
%                       \Sauter#Lignes will skip # lines (for specific usage)
%                       \! (negative thin space) run in non math mode
%                       \frenchalias\your_short_name\the_long_french_macro_name
%                              to give a short name to a very long macro name.
%     Suboption: \abbreviations allowing to ask for: "name_to_be_abbreviated"
%                       will print abbreviation if found otherwise will give a
%                       warning and print the name asis. The first char. of
%                       "name" is not compared, except if the abbreviation file
%                       contains {Name}. Customisation is allowed like this:
%                       \abbreviations[my_abbrev_file]
%                 \noabbreviations is the default option
% \nofrenchmacros       Nullify former actions
%
% Some complemetary macros used in other parts:
%                 \ordinal{counter} gives "premier", "deuxieme", ... "vingtieme"
%                 \Ordinal{counter} gives "Premier", "deuxieme" ...
%                 \ordinale{counter} gives "premi\`ere", ...
%                 \Ordinale{counter} gives "Premi\`ere", ...
%
% Macros to output messages:
%                 \kbtypeout{msg} issue msg on console, translating or not
%                       the accent macros and not expanding the activated chars.
%                       Under control of \@kbspecials for 8-bit output
%                       translation possibility. Such package like
%                       kbconfig/keyboard can translate to the
%                       appropriate keyboard encoding. In fact \kbtypeout is
%                       equivallent to \kbIO[\typeout].
%                 \kbIO[output_macro]{msg_text} allows to output the message
%                       either on log file (\wlog), or on console (\tyepout)
%                       or even on any file (\immediate\write...)
%
%--------------------
% \frenchwarnings let french issue its warnings, this is the default. This
%                  part has the followings sub-options:
%     Suboption: \frenchtrivsepwarnings let french inform the user when
%                       vertical spacing is not respected as requested in
%                       a non-standard environment. This is the default
%     Suboption: \nofrenchtrivsepwarnings ask french not to issue any warning
%                       regarding the vertical spacing requested by the
%                       user and not applied. This is the default when user
%                       choose his own values for spacing via \frtrivseplengths.
% \nofrenchwarnings instruct french to stop to issue messages.
%                    This syntax is probably not the final one.
%--------------------
%
%
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%
%                   ================================
%                   |       About typing           |
%                   ================================
```

```
%% No code here, just an advice.
%%
%% Inputing French punctuation you must type a space:
%% - before a double punctuation (! ? ; :)
%% - before >>
%% - after << ; :
%% Double " or single quoting ‘ ’ as well as single guillemets < > must not
%% be used in french.
%% Type ... normally (instead of \dots or \ldots).
%% Respect French abbreviations like:
%% \hbox{c.-\‘a-d.} /  \emph{i.e.} /  p.ex. / \etc. /   cf.   /    id.   /
%%     p.i. / p.o. / doc. / chap. /  part. /  vol. / paragr. / R.S.V.P. / ...
%%
%% Please apply these allmost elementary (and historical) rules.
%%
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%
\def\@txt@msg#1{#1}% Just get arg and remove {}.
\def\@gobbleopt[#1]{}%
\def\f@issue#1#2{#1{#2}\@ifnextchar[{\@gobbleopt}{}%]
                }%
%#<
% Firstly we add the material to use the "msg" package for localization.
\def\@tempc{%
\def\f@issue##1##2{\f@issue@[##1]##2\void}% The local \issuemsg macro.
%                                     % which will call the real one;
                                      % #1 is the macro message required.
                                      % #2 is the message header + msg number
                                      %    such as "^^J -234-", just message
                                      %    number (234) is kept.
\def\f@issue@[##1]##2-##3-##4\void{\issuemsg[##1]##3(french)}%
\PassOptionsToPackage{french}{msg}%
\ifx\LdfInit\@undefined%
     \RequirePackage{msg}% Usually, load the msg package.
\else% But with Babel, dont use \usepackage or such,
     \let\@GOfrench\@currname% Save current package name.
     \xdef\@currname{msg}% Set package req.
     \def\intern@lc@llfrom{\frenchpack}% Say him it’s an internal/kernel call.
     \let\fp@languagename\languagename% Save current language name.
     \ifx\documentclass\@twoclasseserror% When not a kernel case
          \def\languagename{french}% force French for the msg package.
     \fi%
     \@@input msg.sty% and input it now.
     \let\languagename\fp@languagename% Reset current language name.
     \let\fp@languagename\undefined%
     \let\intern@lc@llfrom\undefined%
     \let\@currname\@GOfrench% Reset original package name.
\fi%
           }%\@tempc
\def\@tempd{\def\f@issue##1##2{\@ifnextchar[{\@gobbleopt}{}%]
                              }%
           }%\@tempd
% Prepare to compare \jobname and license file name.
\edef\@tempa{\expandafter\noexpand\csname str-\jobname\endcsname}%
\edef\@tempb{\expandafter\noexpand\csname str-frlicense\endcsname}%
% FrenchPro requires msg.sty and *-msg.tex files
\ifx\@tempa\@tempb% but only for typesetting a document.
\IfFileExists{msg.sty}{\@tempc}{\@tempd}\else%
\IfFileExists{msg.sty}{\@tempc}{% Avoid loading it if msg.sty doesn’t exist.
```

```
          \typeout{^^J -81- WARNING: "msg" package not found;%
^^J\space\space\space\space\space\space continuing without message texts.}%
                                }%
\fi%
%#>
\newif\ifECM%
% Here come \if-switches codes in case of french.sty badly initiated
\def\ErrFrench{\f@issue\@fW{-26- %
                       %\@txt@msg{Erreur d\'etect\'ee dans \frenchname.sty !}%
                       %\@txt@msg{(voir p.ex. le fichier language.dat)}%
                       }}%
\def\ifFTY{\ErrFrench}\def\ifFTR{\ErrFrench}\def\ifFG{\ErrFrench}%
\def\ifFLA{\ErrFrench}\def\ifFMA{\ErrFrench}\def\ifFH{\ErrFrench}%
\def\ifArG{\ErrFrench}\def\ifFTSW{\ErrFrench}\def\ifFW{\ErrFrench}%
%
\edef\GOfrench{`\string @}% temp def further correctly defined
\ifnum\catcode\GOfrench=11% mods of code proposed by DT that
       \let\resetat\relax% accepts also that @ were active
  \else\edef\resetat{\noexpand\catcode\GOfrench=\the\catcode\GOfrench}%
       \makeatletter\fi%
%
\let\@currnameORI\@currname% save current package name
\xdef\@currname{\frenchname}% set pasckage req.
{\def\'{\string\'}% to avoid \accent@spacefactor=\undefined (in pr\'e-)
    \ProvidesPackage{\frenchname}%
                    [\FSfd\space The \frenchpack\space package /\FSfv/]%
}%
\def\GOfrench{babel}\ifx\@currnameORI\GOfrench% allow Babel to load me
                    \ifx\undefined\babel@core@loaded\input babel.def\relax\fi%
                    \ifx\undefined\babel@core@loaded% still undefined (>3.5)?
                              \let\babel@core@loaded\main@language\fi%
                    \fi%
%#<
%\let\FSfd=\undefined% let it defined for possible patch test.
\def\@tempa#1V#2,#3\@nil{\def\@FSfv{#2}}\expandafter\@tempa\FSfv\@nil%
%#>
\let\FSfv=\undefined% return to the pool
\IfFileExists{frpatch.sty}{\def\FSfd@patch{unknown}}{\let\FSfd@patch\FSfd}%
%
\if@compatibility% provide error msg with 2.09 emulation
    \f@issue\typeout{^^J -68-
             %\@txt@msg{ERROR: \frenchpack\space is no more running }%
             %\@txt@msg{with 2.09 emulation, sorry!}%
            }\expandafter\stop%
\fi%
%
\ifx\l@french\undefined\f@issue\typeout{^^J -20-
     %\@txt@msg{WARNING:}%
             %\@txt@msg{the French language is undefined in your format.}%
                                }%
\fi%
%
\fontencoding{\encodingdefault}\selectfont%
      \def\@temp@{OT1}\ifx\@temp@\f@encoding%
                           \def\@temp@{\global\ECMfalse}%
                     \else\def\@temp@{LO1}\ifx\@temp@\f@encoding%
                                             \def\@temp@{\global\ECMfalse}%
                                       \else%  could be LY1
                                             \def\@temp@{\global\ECMtrue}%
```

```
                                          \fi%
                     \fi%
\@temp@%
\def\@tempa{\let\ifEightBitOutput\iffalse}%
\ifx\EightBitOutputfalse\undefined\expandafter\@tempa\fi%
\ifECM\else\ifx\charsubdef\undefined%
    \def\@tempa{\noexpand\dGs}%
    \ifx\@tempa\dGs\else%
       \ifx\@kb@msgXXIX\relax\else% Don't issue if already done.
           \f@issue\typeout{^^J -29- %
     %\@txt@msg{***Warning***\string: TeX engine in use along with CM fonts }%
     %\@txt@msg{(as in current TeX format) isn't sufficient to hyphenate }%
     %\@txt@msg{words containing diacritics (like in French).}%
                 }%
           \let\@kb@msgXXIX\relax%
       \fi%
    \fi%
\fi\fi%
\ifx\undefined\@dblarg% ..................................... \@dblarg
\long\def\@dblarg#1{\@ifnextchar[{#1}{\@xdblarg{#1}}}%
\long\def\@xdblarg#1#2{#1[{#2}]{#2}}%
\fi%
\newdimen\@FrDimen% general def for the style
\def\usualmessages{\let\ifEightBitOutput\iftrue}%
      \ifnum\inputlineno=-1\def\@o@l{.}% may be negative
              \else\def\@o@l{ (\`a la ligne \the\inputlineno).}\fi%
  \expandafter\let\expandafter\@aiguORI\expandafter=%
               \csname OT\string1\string\'\endcsname%
  \expandafter\let\expandafter\@gravORI\expandafter=%
               \csname OT\string1\string\`\endcsname%
  \expandafter\let\expandafter\@acchORI\expandafter=%
               \csname OT\string1\string\^\endcsname%
  \expandafter\let\expandafter\@tremORI\expandafter=%
               \csname OT\string1\string\"\endcsname%
  \expandafter\let\expandafter\@cediORI\expandafter=%
               \csname OT\string1\string\c\endcsname%
%#< This is a little code to avoid braces to be striped when the token
%   is provided via a macro parameter.
\def\@PreserveBraces[#1#2]%.................................. \@PreserveBraces
                    {\ifcat\noexpand#1$ #1#2\def\@temp@{}%
                       \else\def\@temp@{#2}%
                            \ifx\@temp@\empty\def\@temp@{#1}%
                                        \else\def\@temp@{{#1#2}}\fi%
                     \fi\expandafter\@temp@}%
%
\def\@temp@{lplain-bilingual}% E.P. wrong old def checking
\ifx\fmtname\@temp@\f@issue\typeout{-64- %
               \@txt@msg{ERROR: invalid \string\fmtname\space in lplain.tex}%
                           }\stop\fi%
%
\let\@FrReg\iftrue\def\@FrVal{}%
\begingroup%
\let\@FrReg\iftrue\def\@FrVal{0pt}\let\@FrGo\endgroup%
\let\ladate\@tempcnta\let\lasem\@tempcntb%
\def\TOdate#1#2#3{\ladate=#2\advance\ladate by -2000\multiply\ladate by 100%
                  \advance\ladate by 2000\advance\ladate by #18000%
                  \lasem=#3\multiply\lasem by 4%
                  \if#12\advance\lasem by -4\edef\@tempb{\string>}%
                   \else\advance\lasem by 4\edef\@tempb{\string<}\fi%
```

```
                \advance\ladate by \lasem%
                \let\laver=\@tempcntb\laver=\@FSfv%
                \if#12\advance\laver by 200\else\advance\laver by 400\fi
                \multiply\laver by 100000%
                \let\lakey=\laver\advance\lakey by \ladate%
                \@FrDimen\lakey sp%
                \def\@tempd{\ifdim0pt=\@FrVal\else%
                           \ifdim\@FrDimen\@tempb\@FrVal\def\@tempa{}%
                           \else\ifdim\@FrDimen=\@FrVal\def\@tempa{}%
                           \fi\fi\fi}%
                \@FrReg\def\@tempa{\let\@FrReg=\iffalse%
                                   \def\@FrGo{\endgroup\stop}%
                                   \edef\@FrVax{NO MORE }\let\@tempg\fi}%
                       \expandafter\@tempd%
               \fi\@tempa%
               }%
\def\@tempc{\endlinechar=-1\def\@FrVal{}%
            \read\@inputcheck to \@FrVal%
            \ifeof\@inputcheck\endgroup%
                   \typeout{*** ERROR: frlicense.dat is empty\string!}\stop%
            \fi%
            \read\@inputcheck to \@FrVal%
            \@FrVal\def\@FrVal{0pt}\read\@inputcheck to \@FrVal%
            \ifx\@FrVal\empty\def\@FrVal{0pt}\edef\@FrVax{UN}\fi%
            \TOdate{2}{\the\year}{\the\month}\edef\@tempe{\the\@FrDimen}%
            \ifdim0pt=\@FrVal\edef\@FrVax{UN}\fi%
            \read\@inputcheck to \@FrVal%
            \ifx\@FrVal\empty\def\@FrVal{0pt}\edef\@FrVax{UN}\fi%
            \@FrReg\ifx\@FrVal\empty\def\@FrVal{0pt}\fi%
                   \TOdate{4}{\the\year}{\the\month}%
            \fi
            \ifdim0pt=\@FrVal\edef\@FrVax{UN}\fi%
            \read\@inputcheck to \@FrVal%
            \endlinechar`\^^M%
           }%
\openin\@inputcheck=frlicense.dat %
\let\@tempa\relax\def\@Ffnt#1{\f@issue%
                              \typeout{-2- %\@txt@msg{#1 file not found.}%
                                       }[#1]}%
\ifeof\@inputcheck\@Ffnt{frlicense.dat}\def\@tempa{\endgroup\stop}\fi%
\@tempa\@tempc%
\closein\@inputcheck%
\def\@tempa{\let\@FrReg\iffalse}%
\def\@tempb{0pt}%
\ifx\@FrVal\empty\def\@FrVal{0pt}\fi%
\ifx\@FrVal\@tempb\@tempa\TOdate{4}{\the\year}{\the\month}%
  \immediate\openout\@inputcheck=frlicense.dat %
  \catcode`\%=12\immediate\write\@inputcheck{\string%%
  frlicense.dat file providing license numbers for FrenchPro}\catcode`\%=14
  \immediate\write\@inputcheck{\noexpand\makeatletter\noexpand\let%
                               \noexpand\@nodocument\noexpand\@@end}%
  \immediate\write\@inputcheck{\@tempe}\advance\@FrDimen by 5 sp%
  \immediate\write\@inputcheck{\the\@FrDimen}%
   \edef\@FrVal{ONE MONTH TRIAL (starting \the\year/\the\month/\the\day)}%
  \immediate\write\@inputcheck{\@FrVal}%
  \immediate\write\@inputcheck{This is a private file. Never copy. %
                               never modify.}%
  \immediate\write\@inputcheck{Ne jamais modifier, ni recopier ce fichier.}%
  \immediate\closeout\@inputcheck\let\@FrGo\endgroup%
```

```
\fi%
\def\@tempa{ONE}%
\def\@tempc#1 #2\@nil{\def\@tempc{#1}}\expandafter\@tempc\@FrVal{} \@nil%
\def\@tempb{\let\@FrReg\iffalse\edef\@FrVax{UN}}%
\ifx\@tempc\@tempa\@tempb\fi%
\def\@tempb{\let\@FrReg\iffalse\edef\@FrVal{\@FrVax REGISTERED COPY}}%
\ifx\@FrGo\endgroup\else\@tempb\fi%
\@FrReg\f@issue%
  \typeout{^^J -**a- %\@txt@msg{\frenchpack\space serial number is *\@FrVal*.}%
          }%
\else%
\expandafter\f@issue%
\expandafter\typeout{^^J -**b- %\@txt@msg{-**- \@FrVal\space of \frenchpack.}%
                    }%
\fi\@FrGo%
%#>
\let\@tempc\relax% AmS bug: \@tempc=\if.
%
\ifx\today\undefined\let\today\cejour\fi% for lettre.cls
\ifx\today\undefined\f@issue\typeout{^^J -52- %
 %\@txt@msg{Error: the \frenchpack\space package doesn't run in }%
 %\@txt@msg{such minimal document class, sorry!}%
                            }\expandafter\stop%
\fi%
{\def\GOfrench{\global\let\ifEightBitOutput\iffalse}% force seven bits
 \let\add@accent\@gobble\edef\@tempa{\`{}}%
 \def\@tempb{{\setbox \@tempboxa \hbox {}\accent 18 }}%
 \ifx\@tempa\@tempb% hum, OT1 is just loaded, so no expand.
      \expandafter%
      \GOfrench% and force seven bits for all \@fw messages.
 \fi%
}%
% Macro to send a message without header:
\def\@fW#1{{\let\@nobraces\@firstofone%
        \ifEightBitOutput%
            \setbox\@tempboxa\hbox{\`\space}% For \add@accent expansion.
              \ifx\charsubdef\undefined\else% case MlTeX only
                 \let\add@accent\@gobble% Avoid redef. by fontenc loading.
                 \def\'##1{\expandafter\@nobraces\@aiguORI##1}%
                 \def\`##1{\expandafter\@nobraces\@gravORI##1}%
                 \def\^##1{\expandafter\@nobraces\@acchORI##1}%
              \fi%
        \else%
          \let\protect\string\let\add@accent\@gobble%
        \fi%
        \edef\@tempa{#1}\typeout{\@tempa}}}%
{\def\ier{er}% this is the French typographic abbreviation of "st"
\f@issue%
\@fW{^^J -23- %\@txt@msg{Extension \string : \frenchpack\space}%
              %\@txt@msg{\frenchstyleid\space(B.Gaulle)}%
    }%
}%
%
\let\ifFW\iftrue% Start with (warning) messages
\def\@fw#1{{\let\@NoFr\relax% Avoid any loop inside \kbtypeout.
           \ifFW\kbtypeout%..................................... French warning
                     {^^J \frenchname.sty \string : #1\@o@l}%
           \fi%
          }}% Notice: after \begin{document} there is no more need to
```

```
           % protect active characters against expansion.
\ifx\kbtypeout\undefined%
% Notice that \kbtypeout can be set to \relax\egroup by keyboard.sty.
\def\@kbtypeout[#1]#2{\ifEightBitOutput\let\@typeset@protect\protect\fi%
                \let\@inpenc@undefined@\@gobble% To avoid loop.
                \edef\f@tempa{#2\empty}% Expand it now and type out.
                #1{\f@tempa}\egroup}%
\def\kbtypeout{\kbIO[\typeout]}%.............................  \kbtypeout
\def\kbIO{\bgroup%...........................................  \kbIO
        \ifECM\fontencoding{OT1}\selectfont\fi% Basic fontencoding needed.
        %\nofrenchtypography% To apply only after \begin{document}.
        \let\@nobraces\@firstofone% could be provided separately,
        \let\protect\string%
        \ifEightBitOutput% eg by kbconfig.
             \def\'##1{\expandafter\@nobraces\@aiguORI##1}%
             \def\`##1{\expandafter\@nobraces\@gravORI##1}%
             \def\^##1{\expandafter\@nobraces\@acchORI##1}%
             \def\"##1{\expandafter\@nobraces\@tremORI##1}%
             \def\c##1{\expandafter\@nobraces\@cediORI##1}%
        \csname @kbspecials\endcsname% Translation settings.
        \else% 7-bit output wanted.
          \let\add@accent\@gobble%
          \def\set@display@protect{\let\protect\noexpand}% Have spaces!
        \fi%
        \@kbtypeout}%
\fi%
\ifx\@kbtypeout\undefined% A default \@kbtypeout macro.
     \def\@kbtypeout[#1]#2{#1{#2}\egroup}%
\fi%
\def\@tempb{\let\ifEightBitOutput\iffalse}%
\ifx\kbtypeout\typeout% If no kb output encoding then set a correct \@fw cs.
 \long\def\@tempa{\add@accent{19}}% Case standard OT1 (re)loaded
 \ifx\@tempa\@aiguORI\expandafter\@tempb\fi% then force 7-bit.
\def\@fw#1{\ifFW\bgroup\let\@nobraces\@firstofone%
            \ifEightBitOutput%
                   \ifx\charsubdef\undefined\else%
                     \def\'##1{\expandafter\@nobraces\@aiguORI##1}%
                     \def\`##1{\expandafter\@nobraces\@gravORI##1}%
                   \fi%
            \else%
              \let\protect\string\let\add@accent\@gobble%
            \fi%
            \@kbtypeout[\typeout]{^^J \frenchname.sty \string : #1\@o@l}%
           \fi%
          }% Notice: after \begin{document} there is no more need to
\fi
%
\def\@Ffnt#1{\f@issue\@fw{-2- %\@txt@msg{fichier #1 non trouv\'e}%
                         }[#1]}%
\def\@finput#1{\InputIfFileExists{#1}{}{\@Ffnt{#1}}}%
\def\@NoFr{\f@issue\@fw{-3- %
           %\@txt@msg{\frenchpack\space n'est pas actif ici !}%
          }}%
\let\ifFrench\iffalse%
%
\ifx\addto\undefined%.........................................  \addto
 \def\addto#1#2{\ifx#1\@undefined\def#1{#2}%
                \else\ifx#1\relax\def #1{#2}%
                     \else{\toks@\expandafter{#1#2}%
```

```
                          \xdef#1{\the\toks@}}%
                     \fi%
                 \fi%
                }%
\fi%
\def\fraddto#1#2{\addto{#1}{#2}%..................................  \fraddto
                  \ifFrench\french\else\english\fi}%
% The following macro designed to protect against expansion.
\ifx\MakeRobustCommand\undefined%.......................... \MakeRobustCommand
\def\MakeRobustCommand#1{\expandafter\expandafter\expandafter%
                         \let\expandafter\expandafter\csname #1 fp\endcsname%
                         \csname #1\endcsname%
                         \expandafter%
         \edef\csname #1\endcsname{\expandafter\protect%
                                  \expandafter\noexpand\csname #1 fp\endcsname}
                        }%
\fi%
%
\ifx\DocInput\undefined\else%.....................................  \DocInput
     \let\fr@di\DocInput\def\DocInput#1{% for ltxdoc.cls
                         \ifFrench\english\fr@di{#1}\french%
                          \else\fr@di{#1}%
                         \fi\relax}%
\fi%
\ifx\url\undefined\else%.............................................  \url
     \let\fr@ul\url\def\url#1{% for hyperref package
                         \ifFrench\english\fr@ul{#1}\french%
                          \else\fr@ul{#1}%
                         \fi\relax}%
\fi%
\ifx\xy\undefined\else%...............................................  \xy
     \let\fr@xy\xy\def\xy{% for XY-pic and diagxy packages
                          \ifFrench\nofrenchguillemets\DFPdp\fi\fr@xy}%
\fi%
\ifx\hyper@n@rmalise\undefined\else%.............................. \href
     \let\fr@hne\hyper@n@rmalise\def\fr@hnr#1#2{\fr@hne{#1}{#2}}%. \hyperref
      \def\hyper@n@rmalise{\ifFrench\english\expandafter\fr@hnr%.. \hyperimage
                           \else\expandafter\fr@hne\fi}%
\fi%
\ifx\PDFSCR@Info\undefined\else% Remove last dot in sect. numbers of pdfscreen.
  \def\@seccntformat#1{\protect\textcolor{section\thesection@level}%
     {\expandafter\upshape\csname the#1\endcsname}\quad}%
\fi%
% The following should be obsolated:
\ifx\listing\undefined\else%.....................................  \listing
     \let\fr@li\listing% Save current definition of \listing.
%\newcommand\listing[2][1]{...} definition inside moreverb package, i.e.:
\edef\listing{\noexpand\@protected@testopt\noexpand\listing%
               \expandafter\noexpand\csname\string\listing\endcsname {1}}%
%% Old moreverb def: \def\listing{\@ifnextchar[{\@listing}{\@listing[1]}}%
     \ifx\fr@li\listing%
            \def\listing{% for moreverb package
                         \ifFrench\expandafter\english\expandafter\fr@li%
                          \else\expandafter\fr@li%
                         \fi}%
     \else%
       \long\def\listing{% for listing package
                         \ifFrench\expandafter\english\expandafter\fr@li%
                          \else\expandafter\fr@li%
```

```
                        \fi\relax}%
     \fi%
\fi%
\ifx\inputlisting\undefined\else%............................  \inputlisting
     \let\fr@PL\lst@ProcessListing\def\lst@ProcessListing[#1]{%
                        \ifFrench\english\fr@PL[#1]\french%
                         \else\fr@PL[#1]%
                        \fi\relax}%
\fi%
% For listings package > (or equal to) V0.2000
\ifx\lstlisting\undefined\else%..............................  \lstlisting
     \let\fr@lsi\lstlisting\long\def\lstlisting{% for listings package
                        \ifFrench\expandafter\english\expandafter\fr@lsi%
                         \else\expandafter\fr@lsi%
                        \fi}%
\fi%
\ifx\lstinputlisting\undefined\else%.......................  \lstinputlisting
     \let\fr@PL\lst@ProcessListing\def\lst@ProcessListing[#1]{%
                        \ifFrench\english\fr@PL[#1]\french%
                         \else\fr@PL[#1]%
                        \fi}%
\fi%
%#<
\def\ifFrench#1\fi{\@NoFr}% a temporary definition for error messages
                          %(\endnonfrench remains \undefined)
\def\originalinput#1{\ifFrench\english\@finput{#1}\french%..... \originalinput
                                \else\@finput{#1}\fi\relax}%
\def\originaloutput[#1]{%..................................... \originaloutput
     \bgroup\ifFrench\english\fi%
     \def\@riginalout##1##2{\immediate\write##1{##2}\egroup}%
     \@riginalout{#1}}%
\let\ifFLA\iffalse% We need \ifFLA now
\@ifundefined{printindex}{% makeidx.sty is included (as of 20-jan-87)
    \def\see#1#2{\seename%i assume this macro is defined in non-english sty.
              \/ {#1}}%.....................................\see
    \def\printindex{\clearpage%.............................. \printindex
                    \ifx\hyper@refstepcounter\undefined\else%
                     \stepcounter{subparagraph}%
                      \hyper@refstepcounter{subparagraph}%
                    \fi%
                    \addcontentsline{toc}{chapter}%
                    {\protect\indexname}%
                    {\let\@ti\theindex%....................... \theindex
                     \def\theindex{\@ti\ifFLA\thispagestyle{french}\fi}%
                    \@finput{\jobname.ind}}}}{}%
\ifx\printnomenclature\undefined\else%................... \printnomenclature
\let\@pne\printnomenclature% No French warnings with the nomenclature
\def\printnomenclature{\nofrenchwarnings\@pne}% package.
\fi%
\ifx\thebibliography\undefined\else%
\let\@tbs\thebibliography%
\let\fr@savebib\thebibliography%
\long\def\thebibliography#1{%.............USUAL............ \thebibliography
    \ifFLA%
                             \ifx\hyper@refstepcounter\undefined\else%
                              \stepcounter{subparagraph}%
                              \hyper@refstepcounter{subparagraph}%
                             \fi%
\ifx\bibname\undefined%
```

```
                              \addcontentsline{toc}{chapter}{\refname}%
\else%
                              \addcontentsline{toc}{chapter}{\bibname}%
\fi%
                              \fi%
                              \@tbs{#1}%
                             }%
\ifx\bt@stepcnt\undefined%
\else% bibtopic mods adapted for jurabib too.
% A specific recoding is made for ........BIBTOPIC.........  \thebibliography
% to allow bibtopic to extract de first three tokens which
% begin \thebibliography (e.g. \section*{\refname}).
\let\thebibliography\@tbs%
\let\bt@saveitem\bibitem%
\AtBeginDocument{\let\bt@savebib\fr@savebib}% Give back thebibliography.
\def\@tempd#1#2#3#4\void{\def\@tempa{\noexpand#1}\def\@tempb{\noexpand#2}%
                         \def\@tempc{\noexpand#3}\def\@@tbs##1{#4}}%
\expandafter\@tempd\thebibliography{\string#1}\void%
\edef\thebibliography#1{\@tempa\@tempb\@tempc%
                                  \noexpand\@@tbs{#1}\noexpand\@tbs}%
\def\@tbs{\ifFLA%
             \ifx\hyper@refstepcounter\undefined\else%
                  \stepcounter{subparagraph}%
                   \hyper@refstepcounter{subparagraph}%
             \fi%
             \ifx\bibname\undefined%
                  \addcontentsline{toc}{chapter}{\refname}%
             \else%
                  \addcontentsline{toc}{chapter}{\bibname}%
             \fi%
          \fi%
         }%
\fi% bibtopic test.
\fi% \thebibliography defined?
%
\def\ifFLA{\ErrFrench}% reset it to normal value here
\@ifundefined{disableindex}{}% Ok index.sty is not loaded;
                            {% Otherwise we must redefine its \see
               \def\see#1#2{\seename\/ {#1}}% which contains \emph{\seename}.
                            }%
\@ifundefined{seealso}{%cf TUGboat V12#2 p290 and V13#1 p 95 .. \seealso
   \def\subsee#1#2{\seealsoname% i assume this macro is defined in non-engl.
                   \/ {#1}}% the #2 consumes a comma or \dotfill
   \let\nosee\@gobble% consumes the page number
   \def\seealso{\bgroup\edef\@temp@{}\@ifNextNB[{\see@@so}%] case index.sty
                                                          {\see@lso}}%
   \def\see@lso#1#2{\expandafter%
                   \index\@temp@{#1!zzzzz@\protect\subsee{#2}|nosee}\egroup}%
   \def\see@@so[#1]{\edef\@temp@{[#1]}\see@lso}}{}%
%#>
% \if switches mechanism for french typography
%
 \def\@ifFTYfalse{\let\ifFTY\iffalse}%
 \def\@ifFTYback{\let\ifFTY\if@Back}%
 \let\if@PMF\iffalse% PMF siwtch off for french light.
%#<
% Poor man defs
%
\newif\if@PMF\@PMFfalse%
```

```
\def\pmfrench{\@PMFtrue\f@issue\@fw{-4- %
                        %\@txt@msg{entering now "Poor-Man-French-Style" way}%
                           }%
              \def\frenchname{pmfrench}}%
%#>
% Font processing
%
% look at \GOfrench for \footnotesize, \Huge, \sm@ller, \l@rger and co.
%
% information messages:
\f@issue%
\@fW{ -24- %
    %\@txt@msg{\frenchname.sty utilise dans ce document le codage de fonte }%
    %\@txt@msg{\f@encoding.^^J}%
    }%
%
\f@issue%
\@fW{ -25- %\@txt@msg{\frenchname.sty affiche ici ses messages en }%
%\@txt@msg{\ifEightBitOutput8-bits.\else7-bits << \string\`a la TeX >>.\fi}%
%\@txt@msg{^^J^^J}%
    }%
%
%For testing purposes ..................................  \CheckSevenBits
\def\CheckSevenBits/#1{\def\@tempa##1##2/##3{\ifx##2\empty\else%
 \f@issue%
 \@fw{-51- %
      %\@txt@msg{ERREUR : ce document n'a pas \'et\'e converti en 8-bits...}%
     }%
  \expandafter ##3\fi}\expandafter\@tempa\noexpand#1}%
%
\@ifundefined{tt}{\def\tt{\fontfamily{\ttdefault}\selectfont}}{}%........   \tt
%#<
% What font use for guillemets?
% if \guillemetsinallfonts: the current font
% if \guillemetsinroman: 1- try EC 2- or lasy  3- otherwise math simulation
\let\ifGIAF\iftrue% by now assume guillemets in all fonts
\@ifundefined{ly}% try to define \ly with NFSS ..........................  \ly
  {% Allways load latexsym in case of any OT1 usage.
           \ifx\symlasy\undefined% if nfltxsym option not used
              \ifx\undefined\babel@core@loaded%
                  \RequirePackage{latexsym}% load LaTeX symbols defs
              \else% special case Babel (dont use \usepackage)
                  \xdef\@currname{latexsym}% set package req.
                  \@@input latexsym.sty\@@input ulasy.fd%
              \fi%
           \fi%
           \def\@ly{\fontencoding{U}\fontfamily{lasy}% set encoding & family
           \ifGIAF\else\fontseries{m}\fontshape{n}\fi\selectfont}%
     \def\ly{\ifFG\ifECM\rm\else\@ly\fi\fi}% default is rm otherwise lasy.
   }{}%
%
\ifx\guillemetsfont\undefined%
\def\guillemetsfont{\fontfamily{\rmdefault}%..................... \guillemetsfont
                    \fontseries{m}\fontshape{n}\selectfont}%
\fi%
\def\@gfnt{\guillemetsfont}% Default guillemets' font is \rm.
%#>
% \string definitions and saved chars
%
```

```
\edef\lq{\string‘}\edef\rq{\string’}% as usual in LaTeX ..... \lq  \rq
\let\@cilq=’% this will be the catcode independent left quote
\edef\lqq{\string‘\string‘}\edef\rqq{\string’\string’}%..... \lqq \rqq
\edef\pointvirgule{\string;}%..... \pointvirgule
\edef\deuxpoints{\string:}%..... \deuxpoints
\let\@cidp=:% this will be the catcode independent double point
\edef\pointexclamation{\string!}%.....  \pointexclamation
\edef\pointinterrogation{\string?}%.....  \pointinterrogation
\edef\inferieura{\string<}%.....  \inferieura
\edef\superieura{\string>}%.....  \superieura
\edef\dittomark{\string"}%.....  \dittomark
\let\f@par\par% save it for \lettrine inside a list environment.
\let\@SLQ\lq%
\def\@SRQ@{^\bgroup\prim@s}%
\def\@SRQ{\ifmmode\expandafter\@SRQ@\else\rq\fi}%
%#<
\let\@gotl\guillemotleft%
\let\@gotr\guillemotright%
\def\@temp@{LO1}\ifx\@temp@\f@encoding%
                 \else\edef\@temp@{OT1}\fi%
\def\@tempa#1{\expandafter\relax% define OT1-guillemets or LO1 ones
               \expandafter\global%
                \expandafter\def%
                 \csname\@temp@\string#1\endcsname}%
\@tempa{\guillemotleft}{\let\ifECM\iffalse%
                        \ifFG\ly(\kern-0.20em(\else<<\fi}%
\@tempa{\guillemotright}{\let\ifECM\iffalse%
                         \ifFG\unskip% last kern was not in the correct font.
                               \ly\kern+0.20em)\kern-0.20em)%
                         \else>>%
                         \fi}%
\let\@LSG\inferieura\def\@DOG{\inferieura\inferieura}%
\let\@RSG\superieura\def\@DFG{\superieura\superieura}%
\def\@SOC{\string[% ] emacs
         }%
\def\@SFC{% [ emacs
          \string]}%
\edef\@LP{\ifECM023\else(\fi% ) emacs
         }%
\edef\@RP{% ( emacs
          \ifECM024\else)\fi}%
%#>
% Define Options ..........................  French style OPTIONS definitions
%
\newif\ifFH%
\let\@noBDfr\@nodocument% options can only be set after \begin{document}
\def\frenchhyphenation{\@noBDfr}%  or in \usersfrenchoptions
\def\nofrenchhyphenation{\@noBDfr}%
\def\frenchtypography{\@noBDfr}%
\def\regularmathcomma{\@noBDfr}%
\def\frenchmathcomma{\@noBDfr}%
\def\frenchwarnings{\@noBDfr}%
\def\nofrenchwarnings{\@noBDfr}%
\def\nofrenchtypography{\@noBDfr}%
\def\nofrenchtranslation{\@noBDfr}%
\def\frenchtranslation{\@noBDfr}%
\ifx\RIfM@\undefined% used before \begin{document} by AmS classes
\def\nofrenchguillemets{\@noBDfr}%
\def\frenchguillemets{\@noBDfr}%
```

```
\def\nofrenchbguillemets{\@noBDfr}%
\def\frenchbguillemets{\@noBDfr}%
\fi%
% Defaultly, layout is not constant from one language to another.
\global\let\ifCLAfrench\iffalse% No defaultly constant French page layout.
\def\ConstantLayout{\@noBDfr}%
%\def\nombre{\@noBDfr}%
%\def\WindowsUnits{\@noBDfr}%
%\def\FileName{\@noBDfr}%
%\def\theFileName{\@noBDfr}%
%#<
\def\originalmathcomma{\@noBDfr}%
\def\everyparguillemetsremoved{\@noBDfr}%
\def\Numeros{\@noBDfr}%
\def\order{\@noBDfr}%
\def\endorder{\@noBDfr}%
\def\sommairename{\@noBDfr}%
\def\versatim{\@noBDfr}%
\def\endversatim{\@noBDfr}%
%#>
\def\nofrenchmacros{\@noBDfr}%
\def\frenchmacros{\@noBDfr}%
\def\automaticlettrine{\@noBDfr}%
\def\noautomaticlettrine{\@noBDfr}%
\def\noeveryparguillemets{\@noBDfr}%
\def\everyparguillemets{\@noBDfr}%
\def\nofrenchlayout{\@noBDfr}%
\def\frenchlayout{\@noBDfr}%
\def\indentfirst{\@noBDfr}%
\def\nonindentfirst{\@noBDfr}%
\def\NouveauLangage{\@noBDfr}%
\def\letpunctutionactivefor{\@noBDfr}%
% This dirty hack to bypass ugly latex209 output routine of seminar slides.
\def\@tempa{\let\ifarticle\iffalse}%
\ifx\ifarticle\undefined\expandafter\@tempa\fi%
\ifx\@seminarerr\undefined\else\ifarticle\else%
\let\@soORI\shipout%
\def\shipout#1#2{\def\@tempa{slide}\def\@tempb{slide*}%
                 {\ifx\@tempa\@currenvir\let\protect\noexpand%
                  \else\ifx\@tempb\@currenvir\let\protect\noexpand\fi%
                  \fi%
                 \@soORI#1#2}%
                 \global\let\shipout\@soORI% just one time mod.
                 }%
\fi\fi% \@seminarerr
% The new \hyphenation macro is used first at language.dat loading for frhyphex
\let\h@yphenation\hyphenation% save original \hyphenation
\long\def\f@hyphenation#1{\bgroup%
          \let\par\space% For \h@yphenation.
           \def\-{ }% Stops compound words.
            \let\allowhyphens\undefined% but not \allowhyphens.
             \csname accenthyphcodes\endcsname%
              \lowercase{\edef\@tempa{#1}}%
               \h@yphenation{\@tempa}\egroup}%
%
\def\@tempa{\let\iffrenchbibliography\iftrue}%
\ifx\iffrenchbibliography\undefined\expandafter\@tempa\fi%
%
\ifx\nombre\undefined\else\let\@nomORI\nombre\fi%
```

```
%
\begingroup\obeyspaces%
\gdef\@@nombre{\ifFTY\@mathcomma\obeyspaces\let =\,\fi}%
\endgroup%
\def\@nombre#1{\bgroup\let\ifFTY\iftrue\def\@tempa{#1}%
 \def\,{\ifmmode\mskip\thinmuskip\fi}%
 \if@filesw{\immediate\openout\@inputcheck=\jobname.tmp%
    \let\protect\noexpand%
    \ifmmode%
            \immediate\write\@inputcheck{\protect\makeatletter%
                                         \protect\@@nombre%
                                         \@tempa\ignorespaces}%
    \else%
            \immediate\write\@inputcheck{\protect\makeatletter%
                                         \protect\@@nombre%
                                         $\@tempa$\ignorespaces}%
    \fi%
            \immediate\closeout\@inputcheck%
            }%
            \immediate\openin\@inputcheck=\jobname.tmp%
            \immediate\read\@inputcheck to\@tempa%
            \immediate\closein\@inputcheck%
            \def\@tempa{{\input{\jobname.tmp}}}%
 \fi%
            \@tempa\egroup%
           }%
% French Lite defs:
\ifx\nombre\undefined\DeclareRobustCommand*{\nombre}{\@nombre}\fi%
\ifx\WindowsUnits\undefined%..................................  \WindowsUnits
     \def\WindowsUnits{\@wu}\fi%
%
\def\FileName{\bgroup%.............................................  \FileName
              \def\@FNenc@loop##1##2{\@tempcnta`##1\relax%
                                     \loop\catcode\@tempcnta=11%
                                     \ifnum\@tempcnta<`##2\relax%
                                     \advance\@tempcnta\@ne%
                                     \repeat}%
              \@FNenc@loop\^^A\^^H%
              \@FNenc@loop\^^K\^^K%
              \@FNenc@loop\^^N\^^_%
              \@FNenc@loop\^^?\^^ff% 128-255
              \@FileName}%
\def\@FileName#1{\gdef\theFileName{#1}\egroup}%.................. \theFileName
%
\let\og\empty\let\fg\empty% Guillemets for French light:
% Extrait de frenchb.ldf 2004/04/02 v1.6f on 2005/03/23:
   \def\FrenchGuillemetsFrom#1#2#3#4{%
     \DeclareFontEncoding{#1}{}{}%
     \DeclareFontSubstitution{#1}{#2}{m}{n}%
     \DeclareTextCommand{\guillemotleft}{OT1}{%
        {\fontencoding{#1}\fontfamily{#2}\selectfont\char#3}}%
     \DeclareTextCommand{\guillemotright}{OT1}{%
        {\fontencoding{#1}\fontfamily{#2}\selectfont\char#4}}}
   \def\CyrillicGuillemets{\FrenchGuillemetsFrom{OT2}{wncyr}{60}{62}}
   \def\PolishGuillemets{\FrenchGuillemetsFrom{T1}{lmr}{19}{20}}
   \def\LasyGuillemets{%
     \DeclareTextCommand{\guillemotleft}{OT1}{\hbox{%
        \fontencoding{U}\fontfamily{lasy}\selectfont(\kern-0.20em(}}%
     \DeclareTextCommand{\guillemotright}{OT1}{\hbox{%
```

```
        \fontencoding{U}\fontfamily{lasy}\selectfont)\kern-0.20em)}}}
   \IfFileExists{t1lmr.fd}{\PolishGuillemets}{\LasyGuillemets}
   \DeclareTextSymbolDefault{\guillemotleft}{OT1}
   \DeclareTextSymbolDefault{\guillemotright}{OT1}
   \def\guill@spacing{\penalty\@M\hskip.8\fontdimen2\font
                              plus.3\fontdimen3\font
                              minus.8\fontdimen4\font}
   \DeclareRobustCommand*{\begin@guill}{\leavevmode
                             \guillemotleft\penalty\@M\guill@spacing}
   \DeclareRobustCommand*{\end@guill}{\ifdim\lastskip>\z@\unskip\fi
                     \penalty\@M\guill@spacing\guillemotright\xspace}
   \AtBeginDocument{\ifx\xspace\@undefined\let\xspace\relax\fi}
   \def\bbl@frenchguillemets{\renewcommand{\og}{\begin@guill}%
                             \renewcommand{\fg}{\end@guill}}
   \def\bbl@nonfrenchguillemets{\renewcommand{\og}{``}%
            \renewcommand{\fg}{\ifdim\lastskip>\z@\unskip\fi ''}}
%%%%%%%%%%%%%%%
\def\@ifo{% \GOfrench 1st part: options to be defined at \begin{document}
\def\kbIO{\bgroup% Is redefined at \begin{document}
        \ifECM\fontencoding{OT1}\selectfont\fi% Basic fontencoding needed.
        \ifFTY\expandafter\nofrenchtypography\fi%
        \let\@nobraces\@firstofone% could be provided separately,
        \let\protect\string%
        \ifEightBitOutput% eg by kbconfig.
             \def\'####1{\expandafter\@nobraces\@aiguORI####1}%
             \def\`####1{\expandafter\@nobraces\@gravORI####1}%
             \def\^####1{\expandafter\@nobraces\@acchORI####1}%
             \def\"####1{\expandafter\@nobraces\@tremORI####1}%
             \def\c####1{\expandafter\@nobraces\@cediORI####1}%
        \csname @kbspecials\endcsname% Translation settings.
        \else% 7-bit output wanted.
          \let\add@accent\@gobble%
          \def\set@display@protect{\let\protect\noexpand}% Have spaces!
        \fi%
        \@kbtypeout}%
\let\s@owhyphens\showhyphens%
% Save original settings of \dospecials et \@sanitize
\let\@dsORI\dospecials%.........................\@dospecials.........original
\@ifundefined{@sanitize}{\def\@sanitize{\relax}}{}%
\let\@saORI\@sanitize%..........................\@sanitize...........original
\def\frenchhyphenation{%
                      \ifFH\else\FHtrue%...................\frenchhyphenation
                      \edef\@uchORI{\the\uchyph}% save previous uchyph value
                      \def\@Hif{\ifFH}\let\@Hfi\fi%
                      \lccode `\'=`\'%
     \ifx\flowercase\undefined\else\def\lowercase{\flowercase}\fi%
     \@ifundefined{allowhyphens}{% ............................. \allowhyphens
          \def\allowhyphens{\ifhmode\nobreak\hskip\z@skip\fi}}{}%
%         % There is no need to change here left&right hyphenmin counts
%         % but other languages might have changed default values
     \@ifundefined{lefthyphenmin}{}%
                {\lefthyphenmin=2\righthyphenmin=3}% disallow x- or -xx breaks
                      \@whatUCH% set Upper Case Hyphenation whatsit
                     \def\@tempa####1{{\accenthyphcodes\h@yphenation{####1}}}%
                      \ifx\@tempa\hyphenation\f@issue%
                          \@fw{-41- %\@txt@msg{your format is out of date, }%
                               %\@txt@msg{please run initex again!}%
                              }\stop%
                      \fi%
```

```
                        \def\accenthyphcodes{% Use fontencoding just
                             \let\@typeset@protect\protect% in a
                             \ifx\protect\noexpand\else% typesetting process.
                                \ifECM\else\fontencoding{T1}%
                                 \let\pickup@font\@gobble%
                                  \let\size@update\relax\selectfont%
                             \fi\fi}%
                        \let\hyphenation\f@hyphenation%
                        \def\showhyphens####1{\bgroup%
                             \csname accenthyphcodes\endcsname%
                              \protected@edef\@tempa{####1}%
                               \s@owhyphens{\@tempa}\egroup}%
                        \fi}%\ifFH
\def\nofrenchhyphenation{%
                          \ifFH\FHfalse%.....................\nofrenchhyphenation
                         \lccode`\'=0%
          \let\hyphenation\h@yphenation% restore original \hyphenation
          \let\showhyphens\s@owhyphens%
          \ifx\lowercaseORI\undefined\else\let\lowercase\lowercaseORI\fi%
          \@ifundefined{lefthyphenmin}{}%
                 {\lefthyphenmin=2\righthyphenmin=3}% disallow x- or -xx breaks
          \uchyph=\@uchORI%reset original hyph. on words starting with capitals
                        \fi}%
%#<
\edef\originalmathcomma%.................................   \originalmathcomma
{\noexpand\mathcode`,=\the\mathcode`,}%
%#>
\@tempcnta=\the\mathcode`,\@tempcntb=\the\mathcode`,%
\divide\@tempcnta by 4096\relax% On récupère la classe (demi octet poids fort)
\multiply\@tempcnta by -4096\relax% en éliminant les poids failbles.
\advance\@tempcntb by \@tempcnta% On garde le restant de poids faible.
\edef\@tempb{\noexpand\mathcode`,=\the\@tempcntb}% French is usually "013B.
\advance\@tempcntb by 24576\relax%
\edef\@tempa{\noexpand\mathcode`,=\the\@tempcntb}% Regular is usually "613B.
% Regular LaTeX math code for comma is usually "613B (ie 24891).
\edef\regularmathcomma{%.................................  \regularmathcomma
                        \noexpand\def\noexpand\@mathcomma{\@tempa}%
                        \noexpand\@mathcomma}%
\def\@tempa{\if\space\next\else\mathord\fi\mathcomma}%
\let\ifFTY\iftrue% For the following definitions:
\ifx\@tempa\sm@rtcomma% In case icomma is in force we use:
 \def\frenchmathcomma{%.................................  \frenchmathcomma
                      \def\@mathcomma{\ifFTY\mathcode`\,="8000\fi}%
                      \@mathcomma}%
\else% otherwise:
\edef\frenchmathcomma{% French math code for comma is usually "013B (ie 315).
                        \noexpand\def\noexpand\@mathcomma%
                        {\noexpand\ifFTY\@tempb\noexpand\fi}%
                        \noexpand\@mathcomma}%
\fi%
\frenchmathcomma% Is the default for french.
\def\ifFTY{\ErrFrench}%
%
\def\nofrenchtypography{%.................................\nofrenchtypography
                         \let\ifFTY\iffalse\let\if@Back\ifFTY%
% Reset OT1 definition of \textbackslash to undefined.
\expandafter\let\csname OT1\string\textbackslash \endcsname\undefined%
%#<
                         \notabbingaccents% usefull in T1 too with 8bits chars.
```

```
%#>
                        \nofrenchguillemets% reseting our guillemets
                        \nofrenchbguillemets% and those as frenchb
                        \sloppy% may extend line past the right hand
                        \nonfrenchspacing%
                        \regularmathcomma%
                       }%
\def\frenchtypography{%.....................................\frenchtypography
                      \let\ifFTY\iftrue\let\if@Back\ifFTY%
% Add OT1 definition of \textbackslash, missing inside \LaTeX.
\expandafter\let\csname OT1\string\textbackslash \endcsname\@boiORI%
                      \let\ifLPA\iffalse% default is clean...
                      \typedspaces%
%#<
                      \nowrongtypedspaces%
                      \tabbingaccents% usefull in T1 too with 8bits chars.
                      \englishquote\englishdoublequotes%
                      \nolabelsinmargin%
                      \frenchguillemets%
%#>
                      \frenchbguillemets%
%#<
                      \normalbrackets\todayguillemets%
                      \guillemetsinroman\guillemetsinarrays%
%#>
                      \edef\@tempa{\the\vfuzz}% AmS may have changed \vfuzz
                      \fussy% must not extend line past the right hand
                      \vfuzz=\@tempa% and should not change \vfuzz
                      \frenchspacing%
                      \frenchmathcomma%
%                     \nooverfullhboxmark% std LaTeX default not plain
                     }%
\def\nofrenchtranslation{%
                         \let\ifFTR\iffalse\@cORI}%........\nofrenchtranslation
\def\frenchtranslation{%
                        \let\ifFTR\iftrue\captionsfrench}%....\frenchtranslation
\let\frenchguillemets\relax\let\nofrenchguillemets\relax%
\let\frenchbguillemets\bbl@frenchguillemets%..............  \frenchbguillemets
\let\nofrenchbguillemets\bbl@nonfrenchguillemets%........  \nofrenchbguillemets
%#<
\def\frenchguillemets{%
                      \let\ifFG\iftrue%.....................  \frenchguillemets
                      \let\guillemets\@LG%
                      \let\endguillemets\RG@%
                      \let\guillemotleft\f@guillemets%
                      \let\guillemotright\endf@guillemets%
                      \AFPinfsup}%
\def\nofrenchguillemets{%
                      \let\ifFG\iffalse%...................  \nofrenchguillemets
                      \let\guillemotleft\@gotl%
                      \let\guillemotright\@gotr%
                      \let\guillemets\f@guillemets%
                      \let\endguillemets\endf@guillemets%
                      \DFPinfsup}%
\def\noeveryparguillemets{\let\ifEPG\iffalse%.............\noeveryparguillemets
                          \@desarm\let\@desarm\relax% release memory
                          \def\guillemets{%\leavevmode\unskip%
                           \f@issue%
                           \@fw{-53- %
```

```
                                    %\@txt@msg{environnement guillemets }%
                                    %\@txt@msg{  inutilisable avec l'option }%
                                    %\@txt@msg{\string\noeveryparguillemets}%
                                }%
                                        \bgroup\bgroup%
                                        \def\guillemets{\bgroup%
                                             \let\endguillemets\egroup}}%
                            }%
\def\everyparguillemets{\let\ifEPGR\iffalse%.............  \everyparguillemets
                        \let\ifEPG\iftrue%
                        \let\guillemets\@LG%
                        \let\endguillemets\RG@%
                       }%
\def\everyparguillemetsremoved{%
                        \let\ifEPGR\iftrue}%........ \everyparguillemetsremoved
%#>
\def\@tempa{\global\let\ifCLA\iffalse}% If not already set, no defaultly
\ifx\ifCLA\undefined\expandafter\@tempa\fi% constant language layout.
\def\ConstantLayout{\global\let\ifCLA\iftrue%...................\ConstantLayout
     \expandafter\let\csname ifCLA\languagename\endcsname\iftrue%
     \def\@tempa{\let\ifbbbbfixlanguage\iftrue}%
     \ifx\ifbbbbfixlanguage\undefined\@tempa\fi%
     \def\@tempa{\ifbbbbfixlanguage\else%
             \f@issue%
             \@fw{-85- %\@txt@msg{Attention \string: l'option fixlanguage }%
                       %\@txt@msg{n'a pas ete fournie a l'appel de babelbib}%
                 }\fi%
                }%
     \ifx\@nodocument\relax\@tempa%
     \else\ifx\btxselectlanguage\undefined%
               \PassOptionsToPackage{fixlanguage}{babelbib}%
          \else\@tempa%
          \fi%
     \fi%
     \let\ConstantLayout\relax}% This is a one time macro.
%
\def\nofrenchlayout{\nofrenchtrivsep%
                    \let\ifFLA\iffalse\@EIM}%...................\nofrenchlayout
\def\frenchlayout{%
                  \let\ifFLA\iftrue\everyparguillemets%...........\frenchlayout
                  \@FIM\@FL\let\@FL\empty\noautomaticlettrine%
                  \frenchtrivsep}%
\def\frenchwarnings{\let\ifFW\iftrue%.......................  \frenchwarnings
                    \frenchtrivsepwarnings}%
\def\nofrenchwarnings{\let\ifFW\iffalse%..................... \nofrenchwarnings
                     }% This code is not completed.
%#<
\def\nofrenchmacros{\let\ifFMA\iffalse}%.....................\nofrenchmacros
\def\frenchmacros{\let\ifFMA\iftrue\@ifm%.....................\frenchmacros
                  \let\@ifm\relax}% release memory
%#>
}% end of \@ifo  {\GOfrench part 1}
%#<
\long\def\usersfrenchoptions%.............................  \usersfrenchoptions
                             {\bgroup\makeatletter%
%                              \expandafter\makeatother%
                              \expandafter\egroup%
                              \g@addto@macro\@ufo}%
%#>
```

```
\ifx\@ufo\undefined%
 \let\@ufo\empty% necessary for babel when loading
\fi%
%
%.................................................. Modified TeX macros
%
  \def\prim@s{\prime\futurelet\@let@token\pr@m@s}%
  \def\pr@m@s{\ifx\@cilq\@let@token\expandafter\pr@@@s%
              \else\ifx^\@let@token\expandafter\expandafter\expandafter\pr@@@t%
                   \else\egroup\fi%
              \fi}%
\let\@fsORI\frenchspacing% modified for guillemets.............  \frenchspacing
\def\frenchspacing{\@fsORI\ifECM\sfcode`\(=0\sfcode`\)=1000\fi}%
%%%%
% let < ' : ` > active for the following macros and
\catcode`<=\active\catcode`>=\active\catcode`'=\active%
\catcode`:=\active\catcode``=\active%
\let<=\inferieura\let>=\superieura% define them for french light.
\def\@Fstr{\def<{\@LSG}\def>{\@RSG}\def`{\@SLQ}\def'{\@SRQ}%
           \def:{\deuxpoints}%
           \let\dGs\empty}% Nullify any \dGs macro from keyboard.sty.
\def\@LiN{\let\@sogORI<\let\@sfgORI>\let\@lqORI`\let\@rqORI'%\let\@dqORI"%
          \let\@dpORI:\@Fstr\@ifFTYfalse}%
\def\@LiB{\let<\@sogORI\let>\@sfgORI\let`\@lqORI\let'\@rqORI%
          \let:\@dpORI\@ifFTYback}%
\catcode\lq:=12%
\let\@s@ORI\special%.............................................  \special
% done in \GOfrench:
%\def\special#1{\@ifFTYfalse\bgroup\@Fstr\@s@ORI{#1}\egroup\@ifFTYback}%
% \newcount, \newdimen, \newbox were \outer defs in plain.
\def\newcount{\alloc@0\count\countdef\insc@unt}%.....................  \newcount
\def\newdimen{\alloc@1\dimen\dimendef\insc@unt}%.....................  \newdimen
\def\newbox{\alloc@4\box\chardef\insc@unt}%..........................  \newbox
%
%..................................... Modified package's & LaTeX macros
%
% Those defs which need to be set at \begin{document} are delayed.
% Take in account the varioref package if present:
\let\ifFTY\iffalse% Temporary definition.
\ifx\vref\undefined\else% As \@ifpackageloaded is forbidden at
\@ifpackageloaded{varioref}{\def\@vrfCode{% \begin{document}, test it now.
                 \@gG{vr}{vref}{/}{1}%................................. \vref
                 \@gG{vpr}{vpageref}{1}{1}%.........................\vpageref
                 \@gG{vprr}{vpagerefrange}{1}{2}%.................\vpagerefrange
                 \def\reftextpagerange##1##2{%................\reftextpagerange
                   pages~\pageref{##1}\ifFTY -\else --\fi\pageref{##2}}%
                                      }%
                          }{}%
\fi%
\def\ifFTY{\ErrFrench}% Reset original value.
% Take in account the beamer class (don't use \l@chapter)
\@ifclassloaded{beamer}{\let\l@chapter\empty%
                        \def\beamer@captiontemplate{\small\structure%
                            {\insertcaptionname\captionseparator\space}%
                            \insertcaption}
                       }{}%
%
\def\GOfrench{% this is the code to initiate the French style
              \def\special##1{\@ifFTYfalse\bgroup\@Fstr\@s@ORI{##1}%
```

```
                                \egroup\@ifFTYback}%
              \let\@noBDfr\relax% release french options/commands now
              {\catcode\lq\<=\active\ifx<\undefined\else\global%
               \let\@mLSG<\global%
               \def\@LSG{\ifmmode\@mLSG\else\inferieura\fi}\fi}%
              {\catcode\lq\>=\active\ifx>\undefined\else\global%
               \let\@mRSG>\global%
               \def\@RSG{\ifmmode\@mRSG\else\superieura\fi}\fi}%
\if@PMF\def\pmfrench{}\def\noeveryparguillemets{}\def\@stared{}%
       \def\@desarm{}\def\@qquotes{}\def\@staring{}\def\@fniv2{}\fi%
\def\sm@llerthree{\protect\sm@ller\protect\sm@ller\protect\sm@ller}
\@ifundefined{smaller}{\def\sm@ller{\small}%   ... you can use ...[smaller.sty]
                       \let\sm@llerthree\scriptsize%
                       \def\l@rger{\large}}%
                      {\def\RSsmallest{4pt}%   ... you can use ...[relsize.sty]
                       \ifx\undefined\sm@ller%
                       \let\sm@ller\smaller\fi}%
\@ifundefined{footnotesize}{%..................................... \footnotesize
                       \def\footnotesize{\sm@ller\sm@ller}}{}%
\@ifundefined{Huge}{%.................................................... \Huge
                    \def\Huge{\l@rger\l@rger\l@rger\l@rger\l@rger}}{}%
%#<
\@ifundefined{lettrinefont}{\let\lettrinefont\Huge}{}%.......... \lettrinefont
\let\sv@lf=\lettrinefont% save it
\ifx\@pdfcreator\undefined% Complete pdf creator name.
 \else\addto\@pdfcreator{, with \frenchpack\space shareware}\fi%
%#>
% Command to leave chapter counter asis.....................  \noresetatpart
\def\noresetatpart{\ifFLA\let\cl@part\empty\fi}%
% Command to leave footnote counter asis over chapter change.
\def\noresetatchapter{\ifFLA\let\cl@chapter\empty\fi}%....... \noresetatchapter
% Let \chapter be defined.
\@ifundefined{chapter}{}{}%.......................................  \chapter
% Reset chapter counter when starting a part &
\@ifundefined{c@chapter}{\newcounter{chapter}}{\@addtoreset{chapter}{part}}%
\@ifundefined{quotation}{\def\quotation{}}{}%.....................  \quotation
\ifx\tableofcontents\undefined%
     \else\let\@tocORI\tableofcontents\fi% permit toc normal processing
\ifx\pdfstringdef\undefined% Save orginal \contentsline for hyperref.
 \else\let\contentslineORI\contentsline\fi%
% Coding to bypass pb of duplicate in hyprref < 6,69f
%\ifx\undefined\pdfstringdef\@tempa% Using pdfTeX hyperref should
% \else\ifx\theHchapter\undefined% have no \thechapter otherwise
%       \else\@tempa% it complains arguing there is a duplicate section
%      \fi% #,
%\fi% so we no more define \thechapter in that case.
\@ifundefined{l@chapter}{%..................................... \l@chapter
\def\@tempa{%
   \def\l@chapter####1####2{\addpenalty{-\@highpenalty}%
   \vskip 1.0em plus\p@\@tempdima 1.5em% numbering size
   \begingroup%
     \parindent \z@ \rightskip \@pnumwidth \parfillskip -\@pnumwidth%
     \bfseries \leavevmode \advance\leftskip\@tempdima \hskip -\leftskip%
     ####1\nobreak\hfil \nobreak\hbox to\@pnumwidth{\hss ####2}\par%
     \penalty\@highpenalty%
   \endgroup}}%
\ifx\RIfM@\undefined\@tempa% use l@chapter
 \else%                     % even with AmS styles
  \ifx\fr@RIfM@cls\undefined\@tempa
```

```
\fi% but not for AmS classes
\fi}{}% undefined in article.sty
% Due to resetting of chapter counter at part change we have to better
\@ifundefined{theHchapter}{}% qualify the chapter anchor names.
 {\renewcommand{\theHchapter}{\arabic{part}.\arabic{chapter}}}%
%
% General code for generating replacement macros for \cite \nocite etc.
% \@gG{a string "s" for letting \@"s"@ORI as the original macro}
%     {original macro name -without backslash}
%     {string "/" if original macro had no [optional arg] otherwise empty}
%             "1" if original macro has one req. [o.p. arg 1]
%             "2" if original macro has two req. [o.p.1][o.p.2]
%             "//"if no optional arg but more than one required arg:
%     {number of required args} % default is 1, maximum is 3.
    \def\@gG##1##2##3##4{%
        \def\@temp@{\expandafter\let\csname @##1@ORI\endcsname=}%
        \expandafter\@temp@\csname ##2\endcsname%
        \if##3\empty%
             \if2##4%
                    \expandafter\def\csname ##2\endcsname####1####2%
                                 {\protect\atgG{##1}{{####1}{####2}}}%
               \else%
                \if3##4%
                      \expandafter\def\csname ##2\endcsname####1####2####3%
                                  {\protect\atgG{##1}{{####1}{####2}{####3}}}%
                \else%
                     \expandafter\def\csname ##2\endcsname####1%
                                    {\protect\atgG{##1}{{####1}}}%
                \fi%
             \fi%
        \else% Case of just one required argument, check optional args:
          \if/##3\expandafter\def\csname ##2\endcsname{\protect\atgH{##1}}%
    \else%
             \if2##4\expandafter\def\csname ##2\endcsname{\protect\atgN{##1}}%
              \else\expandafter\def\csname ##2\endcsname{\protect\atgM{##1}}%
             \fi%
          \fi%
        \fi}%
    \def\atgG##1##2{\bgroup\@ifFTYfalse\@Fstr%
                    \expandafter\csname @##1@ORI\endcsname##2\egroup}%
    \def\atgH##1##2{\bgroup\@ifFTYfalse\@Fstr%
                    \expandafter\csname @##1@ORI\endcsname{##2}\egroup}%
    \def\atgM##1{\@ifNextNB[{\@gM@@{##1}}{\@gM@@{##1}[\empty]}%]emacs
                }%
    \def\atgN##1{\@ifNextNB[{\@gM@@@{##1}}{\@gM@@@{##1}[\empty]}%]emacs
                }%
    \def\@gM@@##1[##2]##3{\@gM@@@{##1}[##2]{##3}{}}%
    \def\@gM@@@##1[##2]##3##4{\bgroup\@ifFTYfalse\@Fstr%
                            \xdef\@temp@{\noexpand\@gG@{##3}{##4}}\egroup%
                            \ifx\empty##2\let\@gG@=\empty%
                             \else\protected@edef\@gG@{[##2]}\fi%
                            \let\@typeset@protect\protect%
                            \protected@edef\@temp@{\noexpand\expandafter%
                                                   \noexpand\expandafter%
                            \noexpand\csname @##1@ORI\noexpand\endcsname%
                            \@temp@}\@temp@}%
% Nullify Babel mechanism which doesn't run correctly in its current version
\ifx\babel@sanitize@arg\undefined\else%
\def\babel@sanitize@arg##1{##1}%
```

```
\wlog{\frenchname.sty\string: use of the babel package force me to nullify %
      \noexpand\babel@sanitize@arg.}%
\fi%
\ifx\ifthenelse\undefined\else\let\@iTeORI\ifthenelse%
 \long\def\ifthenelse##1##2##3{\@ifFTYfalse\@iTeORI{##1}%
                               {\@ifFTYback##2}{\@ifFTYback##3}}%
\fi%
\ifx\texttt\undefined\else\@gG{xt}{texttt}{/}{1}%..................... \texttt
     \MakeRobustCommand{texttt}\fi%
\ifx\hyperbaseurl\undefined\else\@gG{hl}{hyperbaseurl}{/}{1}\fi%. \hyperbaseurl
\ifx\Ginclude@graphics\undefined\else\@gG{ig}%.............. \Ginclude@graphics
                {Ginclude@graphics}{/}{1}\fi%.              (\includegraphics)
% As \citeyear is in various packages we check first for natbib.sty and
\ifx\NAT@citex\undefined% then modify all \cite... commands via \@citex.
  \ifx\cite\undefined\else\@gG{c}{cite}{1}{1}\fi%..................... \cite
  \ifx\citeyear\undefined\else\@gG{cy}{citeyear}{/}{1}\fi%........... \citeyear
\else% ................................................... Natbib \cite...
     \let\@cxORI\@citex%
     \def\@citex[##1][##2]##3{\@ifFTYfalse%
                \let\mbox\mboxORI%
                \@cxORI[##1][##2]{##3}\aftergroup\@ifFTYback}%
%%%%%%%%%%%%%%%%%%%%%%
%Following code for Natbib and jurabib wrong, obsolate and misplaced.2006/08/15
%\@gG{fc}{fullcite}{1}{1}%
%\@gG{cin}{citation}{/}{1}%
%\def\@lbibitem[##1]##2{\protected@edef\jb@key{##2}\def\jb@tempb{##1}}%
\@gG{cin}{citation}{/}{1}%.....................................\citation
  \ifx\ifjb@index@bib\undefined\let\ifjb@index@bib\iffalse\fi%
  \ifx\jb@lbibitem\undefined\else%.............. JURABIB ........ \jb@lbibitem
  % Modify jurabib definition of \jb@lbibitem as of jurabib v0.6 (2004/01/25)
  % with a \protected@xdef for \jb@key.
  \def\jb@lbibitem[##1]##2{%
      \gdef\jb@tempb{##1}%
      \protected@xdef\jb@key{##2}%\gdef\jb@key{##2}%
      \ifjb@index@bib%
         \jb@call@index{aut}{##2}%
         \jb@call@index{ed}{##2}%
         \jb@call@index{org}{##2}%
      \fi%
    \endgroup}%
  \@gG{fc}{fullcite}{1}{1}%.....................JURABIB.............\fullcite
  \fi%
\fi%
\ifx\nocite\undefined\else\@gG{nc}{nocite}{/}{1}\fi%.................. \nocite
% As \bibcite has not originally any argument the following definition
% is remove and \@newl@bel is introduced in replacement of \newlabel.
%\ifx\bibcite\undefined\else\@gG{bc}{bibcite}{1}{1}\fi%.............. \bibcite
\ifx\backcite\undefined\else\@gG{bkc}{backcite}{//}{2}\fi%........... \backcite
\ifx\bibitem\undefined\else\let\@biORI\bibitem% ..................... \bibitem
     \def\bibitem{\@LiN\@ifNextNB[{\@bi@cb}{\@bi@ca}%]emacs
                 }%
     \def\@bi@ca##1{\@biORI{##1}\@LiB}%
     \def\@bi@cb[##1]##2{\@biORI[##1]{##2}\@LiB}%
\fi%
\expandafter\ifx\string\bt@@item\undefined% ... bibtopic \\bt@@item
             \else\@gG{bti}{\string\bt@@item}{1}{1}%
            \fi%
% Take in account varioref package if present at \begin{document}:
\ifx\vref\undefined\else% Nullify \@vrfCode if varioref is
```

```
   \ifx\reftextvario\undefined\let\@vrfCode\undefined% now loaded.
\fi\fi%
%
\ifx\ref\undefined\else\@gG{r}{ref}{/}{1}\fi%.............................. \ref
\ifx\tag\undefined\else\@gG{tG}{tag}{/}{1}\fi%.............................. \tag
\ifx\pageref\undefined\else\let\pageref@ORI\pageref%
    \let\f@pageref\pageref\@gG{fpr}{f@pageref}{/}{1}%
    \def\pageref{\ifFTY\expandafter\f@pageref\else%.....................\pageref
                      \expandafter\pageref@ORI\fi}%
\fi%
\csname @vrfCode\endcsname% load mods for varioref package \vref, \vpageref
\xdef\@lim{}\let\ifMOVING\iffalse%
% The label for the subfigure package ..........................\sf@@sub@label
\ifx\sf@@sub@label\undefined\else\@gG{ss}{sf@@sub@label}{/}{1}\fi%
% Set code for labels in margin.
\def\@temp@{%
     \def\label{\protect\@LabeL}% needed to be protected for \thanks
% Remove patch $\label$ for Simon Pierre DESROSIERS 9/09/05
%     \def\@LabeL{\ifmmode\expandafter\s@LabeL\else\expandafter\t@LabeL\fi}%
%     \def\s@LabeL####1{\gdef\r@LabeL{\label{####1}}\aftergroup\r@LabeL}%
% New patch for \label en mode math. 4/07/2006 %
\def\r@LabeL{\ifx\@lim\empty%  Special def to put labels in margin
               \else\marginpar{\@lim@}\xdef\@lim{}% at end of maths $$.
             \fi}% No need to nullify MOVING after group.
\def\m@LabeL{\def\@setMGtrue{\let\ifMOVING\iftrue}%
             \ifmmode\@setMGtrue% If maths go like a moving block.
               \aftergroup\r@LabeL% Do final margin at  end of maths group.
             \fi%
             \expandafter\t@LabeL}% Go process \label as usual.
\def\@LabeL{\ifMOVING\expandafter\t@LabeL% If already moving process as usual
            \else\m@LabeL% else test for maths.
            \fi}%
%
     \def\t@LabeL####1{\@ifFTYfalse\if@labelsinmargin\ifMOVING%
         \xdef\@lim{\ifx\@lim\empty\else\@lim\@@par\relax\fi[####1]}%
         \gdef\@lim@{\@ifFTYfalse\hbadness=\@M\tt\@lim\@ifFTYback}%
         \else\marginpar{%
                    \@ifFTYfalse\hbadness=\@M\tt[####1]\@ifFTYback}\fi\fi%
                        % how suppress  Overful \hbox here?
     \bgroup\@Fstr\@lORI{####1}\egroup\@ifFTYback}%
           }%
\ifx\fr@RIfM@cls\undefined\else% isolate maketitle action with AmS classes.
\let\@mtORI\maketitle% ..........................................  \maketitle
\def\maketitle{{\@mtORI}}% avoid removing of keywords environement.
\fi%
\ifx\label\undefined\else\let\@lORI\label%.............................. \label
                         \@temp@% new def apply
                         \let\ltx@label\label% for amsmath.sty
\fi%
%instead this coding, active chars in \label must be protected inside a \thanks
% As the internal macro of \newlabel is \@newl@bel #1 the following
% definition of \newlabel is removed and replace by \@newl@bel.
%\ifx\newlabel\undefined\else\@gG{nl}{newlabel}{/}{1}\fi%............. \newlabel
\ifx\@newl@bel\undefined\else\@gG{nl}{@newl@bel}{//}{3}\fi%......... \@newl@bel
\def\@temp@{%
     \let\@aclORI\addcontentsline%............................ \addcontentsline
     \global\let\ifCG\iftrue% Nullify if-guillemets on a new sectioning
     \def\addcontentsline####1####2####3{\@ifFTYfalse\bgroup\@Fstr%
                 \@aclORI{####1}{####2}{####3}\egroup\@ifFTYback}%
```

```
          }%
\@ifundefined{addcontentsline}{\gdef\addcontentsline##1##2##3{}}% dummy def
                              {\@temp@}%
\let\ifFrench\iffalse% let it be known now
\def\@temp@{%
            \def\index{\bgroup\ifFrench\@DFP\fi% Is further redefined
                       \expandafter\egroup\@iORI}% inside \footnote.
          }%
\ifx\index\undefined\else\let\@iORI\index%..... \index
                         \@temp@% new def apply
\fi%
%
\ifx\list\undefined\else% Mods to keep track
            \let\@liORI\list%  that we are in a list environment ........ \list
\fi%
            \let\@topsepORI\topsep% ans save original vertical
            \let\@partopsepORI\partopsep% spaces
            \let\@itemsepORI\itemsep% so that we could warn when
            \let\@parsepORI\parsep% user try to change them.
%\def\GOfrench{continuation -emacs pb-
\def\warn@seps{\def\topsep{\@w@s{\string\topsep}\@topsepORI}%
               \def\partopsep{\@w@s{\string\partopsep}\@partopsepORI}%
               \def\itemsep{\@w@s{\string\itemsep}\@itemsepORI}%
               \def\parsep{\@w@s{\string\parsep}\@parsepORI}%
               \def\@tempa{verse}\def\@tempb{quotation}%
               \ifx\@tempa\@currenvir\let\@w@s\@gobble\else%
                \ifx\@tempb\@currenvir\let\@w@s\@gobble\fi%
               \fi%
              }%
\def\@w@s##1{\ifFTSW\f@issue%
             \@fw{-58- %\@txt@msg{valeur de ##1 ignor\'ee}%
%             dans l\string'environnement \@currenvir%
                       }[##1]\fi}%
\def\org@seps{\let\topsep\@topsepORI%
              \let\partopsep\@partopsepORI%
              \let\itemsep\@itemsepORI%
              \let\parsep\@parsepORI%
             }%
\def\list##1##2{\def\@inAlist{}\@liORI{##1}{%
    \ifx\@trivlist\@tlORI\else\warn@seps\fi%
    ##2\org@seps}}%
\ifx\@makecaption\undefined\else\let\@mcORI\@makecaption\fi%....  \@makecaption
%
\ifx\captionseparator\undefined%
     \def\captionseparator{~--}%.........................  \captionseparator
\fi%
\let\ifFTY\iffalse% Let it be knwon temporary.
% \captionseparator is off with memoir.cls, use \captiondelim.
\ifx\@contdelim\undefined\else%.............(ccaption/memoir)  \@contdelim
  \ifx\@memerror\undefined%
   \let\@cdORI\@contdelim% The definition for ccaption:
   \def\@contdelim{\ifFTY\space\else\@cdORI\fi}%
  \else%\let\@contdelim\@cdORI% Don't modify \@contdelim for memoir.cls
   \let\captionseparator\empty% Suppress our \captionseparator for table/figure
   \let\captionfont\@conttfont% Apply requested memoir font.
  \fi%
\fi%
\def\ifFTY{\ErrFrench}%
\ifx\captionfont\undefined% ..............................  \captionfont
```

```
                          \let\captionfont\emph% Std is italics.
 \else\let\@cfORI\captionfont% Might be Caption2, thus
       \def\captionlabelfont{\upshape}% set defaults.
        \def\captionfont{\itshape\@cfORI}%
         \ifx\captionlabeldelim\undefined\else% Use Caption2 delimitor cs
             \let\captionlabeldelim\captionseparator% if any, and set our
             \let\captionseparator\empty% default value.
         \fi%
\fi%
\def\@makecaption##1##2{\ifFTY%
                          \def\@secondofmany####1####2\void{####2}%
% Removed mod for empty \caption (pb with hyperref) 2007/06/28
%                         \protected@edef\@tempa{\@secondofmany##2\void}%
% The previous coding don't remove the unusefull \captionseparator:
                          \def\@tempa{\@secondofmany##2\void}% To debug.
                            \ifx\@tempa\empty%
                                \let\captionseparator\empty%
                            \fi%
                          \@mcORI{##1}{\relax% for AmSLaTeX V1.2 96/11
                                       \captionfont{##2}}%
                        \else\@mcORI{##1}{##2}\fi}%
%
%Leslie claims that "The footnotemarker is regarded as having zero width, which
%is appropriate when it comes at the end of line"(p164) <== not a French habit.
\def\@temp@{%
   \def\thanks####1{\global\let\@makefntext\fr@makefntext%..... \thanks
    \bgroup%
     \ifFTY\ifhmode\ifdim\lastskip>\z@\unskip\fi\nobreak\fi%
      \def\@footnotemark{\hbox{\@textsuperscript{\normalfont\,\@thefnmark}}}%
       \fi\let\ifFTY\iffalse\@thORI{####1}%
        \egroup}%
           }%
\ifx\thanks\undefined\else\let\@thORI\thanks\@temp@\fi%
\let\ifFTY\iffalse% temp def for next processing
\ifx\@makefnmark\undefined\else\let\@mfnmORI\@makefnmark%........  \@makefnmark
\def\@makefnmark{\ifFTY\hbox{\@textsuperscript{\normalfont%
                          \ifx\thefootnote\relax\else\,\fi%
                                              \@thefnmark}}%
                \else\@mfnmORI\fi}%
\fi%
\def\@temp@{\long\def\fr@makefntext####1{% footline starts here %
                                \bgroup%
       \ifFTY\def\@tempa{footnote}\let\@tfnORI\@thefnmark%
        \ifx\@tempa\@mpfn%do it only for page footnotes not minipages ones
           \def\@thefnmark{% marker under the footline, no more in superscript.
                          % two grouping levels in pure 2e.
                          \egroup\egroup% no point when no marker
                      \long\def\@tempa{\fnsymbol{footnote}}%
                      \ifx\@tempa\thefootnote% When using symbols put them
                       \expandafter\raise+0.55ex% higher (cf Lexique IN p. 33)
                      \fi% \thefootnote
                          \hbox\bgroup\textnormal\bgroup%
                          \def\@temp@{%
\ifx\fr@RIfM@cls\undefined% Remove space when \thanks and AmS classes.
\ifx\thanks\relax\else\kern-1.1\parindent\fi% .1 should be explained.
\else       \kern-\parindent% otherwise remove superfluous spacing.
\fi%
%\@ifnextchar\relax{\def\@temp@{\,}}% Prefered:
                     \@ifnextchar\relax{\def\@temp@{\hphantom{.}\kern+0.25em}}%
```

```
                                    {\def\@temp@{.\kern+0.25em}}%
                                   }%
                                  \expandafter\@temp@\@tfnORI\@temp@%
                                 }%
            \leavevmode\kern+0.5em% add some spacing for at least 3 digits
         \else\def\@thefnmark{\@tfnORI\,}\fi% add thin space in mpfootmarks
        \fi\@mfntORI{####1}\egroup}% \@makefntext
           }%
     \let\@mfntORI\@makefntext\@temp@%
     \let\@makefntext\fr@makefntext%.............................  \@makefntext
\def\ifFTY{\ErrFrench}%
\let\@fntORI\@footnotetext% nullify marginpar in .................  \@footnotext
\long\def\@footnotetext##1{\bgroup\let\if@labelsinmargin\iffalse%
                                  \@fntORI{##1}\egroup}%
% Why \footnote doesn't \unskip the previous space?
% Allow hyphenation too with \nobreak (as suggested by Bernd Raichle)
\let\@fnORI\footnote%.............................................. \footnote
\def\footnote{\bgroup%
              \def\index{\@ifnextchar[{\f@index}%]
                                  {\f@index@}%
                         }%
              \def\f@index[####1]####2{\@ifFTYfalse\@iORI[####1]{####2}%
                                    \@ifFTYback}%
              \def\f@index@####1{\@ifFTYfalse\@iORI{####1}\@ifFTYback}%
              \ifFTY\ifhmode\ifdim\lastskip>\z@\unskip\fi%
                           \nobreak\fi\fi%
              \ifmmode\let\@fnORI\fr@footnote\fi%
              \@ifNextNB[% ] for balancing
                         \@Footnote\@Fntnorm}%
\long\def\@Footnote[##1]##2{\@fnORI[##1]{##2}%
                            \egroup\@ifNextNBc\footnote\refmark\@Fntcoma{}}%
\long\def\@Fntnorm##1{\@fnORI{##1}%
                      \egroup\@ifNextNBc\footnote\refmark\@Fntcoma{}}%
\def\@Fntcoma{\ifFLA\@textsuperscript{,}\nobreak\fi}%
\def\@Fxloat##1[##2]{\@xfORI{##1}[##2]\csname @Fend\@currenvir\endcsname}%
\let\@fgeORI\figure\let\@efgeORI\endfigure% needed for figurette
\def\@temp@{\let\@fgeORI\figure%.................................  \figure
            \def\figure{\let\ifMOVING\iftrue%
                        \let\if@minipage\iftrue%
                        \@set@fr@fn@%
                        \ifx\@xfORI\undefined%
                            \let\@xfORI\@xfloat\let\@xfloat\@Fxloat%
                        \fi%
                        \@fgeORI}}%
\ifx\figure\undefined\let\@temp@\relax\fi\@temp@%
\def\@Fendfigure{\let\@efgeORI\endfigure%.......................... \endfigure
            \def\endfigure{\@efgeORI%
                           \ifx\@lim\empty\else\marginpar{\@lim@}%
                           \xdef\@lim{}\fi\let\ifMOVING\iffalse}}%
\ifx\endfigure\undefined\let\@Fendfigure\relax\fi%
\let\@cnORI\caption% \caption is redefined in the table environement :
\def\@tablescaption{\@dblarg\@t@blescaption}% footnote will be only
\let\mboxORI\mbox% save \mbox definition.
\def\mbox##1{\leavevmode\hbox{\protect\@set@fr@fn@##1}}%%.............  \mbox
\def\@set@fr@fn@{\ifFrench\let\footnote\fr@footnote\fi}% Footnote's text lost
\def\fr@footnote{\@ifNextNB[\fr@fn@{\fr@fn@[]}%] in tables
                 }%                                caption.
\def\fr@fn@[##1]##2{\footnotemark%
              \f@issue%
```

```
            \@fw{-8- %\@txt@msg{\string\footnotetext{##2} perdu.}
                 %\@txt@msg{Coder \'event. \string\protect\string\footnote}%
                }[##2]% \mbox
                 }%
\def\@t@blescaption[##1]##2{\let\cur@fn\footnote% footnote mark in tables
                           \let\footnote\fr@footnote% caption and text
                     \@cnORI[##1]{##2}\let\footnote\cur@fn}% will be lost.
\def\@temp@{%
            \let\@tbeORI\table% footnotes made like in minipages ..... \table
            \def\table{\let\ifMOVING\iftrue%
                       \let\if@minipage\iftrue%
            \ifFLA\begingroup%
            \def\@mpfn{mpfootnote}%
            \def\thempfn{\thempfootnote}\c@mpfootnote\z@%
            \ifx\@captype\undefined\def\@captype{table}\fi% for ams classes
            \let\caption\@tablescaption% allow page footnote in \caption
            \let\@footnotetext\@mpfootnotetext\fi%
            \ifx\@xfORI\undefined%
                       \let\@xfORI\@xfloat\let\@xfloat\@Fxloat%
            \fi%
            \@tbeORI}%
            \expandafter\let%
            \expandafter\@dbtbeORI\csname table*\endcsname% .........  \table*
            \expandafter\def\csname table*\endcsname{\let\ifMOVING\iftrue%
                       \let\if@minipage\iftrue%
            \ifFLA\begingroup%
            \def\@mpfn{mpfootnote}%
            \def\thempfn{\thempfootnote}\c@mpfootnote\z@%
            \ifx\@captype\undefined\def\@captype{table}\fi% for amsbook
            \let\caption\@tablescaption% allow page footnote in \caption
            \let\@footnotetext\@mpfootnotetext\fi%
            \ifx\@xfORI\undefined%
                       \let\@xfORI\@xfloat\let\@xfloat\@Fxloat%
            \fi%
            \@dbtbeORI}%
           }%
\ifx\table\undefined\let\@temp@\relax\fi\@temp@%
\def\@Fendtable{% Will be called by \@Fxloat.
            \let\@etORI\endtable%..................................... \endtable
            \def\endtable{\ifFLA\par%
                          \vskip-\lastskip% make footnotes here
                          \ifvoid\@mpfootins\else\vskip\skip\@mpfootins%
                            \footnoterule\unvbox\@mpfootins\fi%
                          \fi\@etORI\ifFLA\endgroup\fi%
                          \ifx\@lim\empty\else\marginpar{\@lim@}%
                             \xdef\@lim{}\fi\let\ifMOVING\iffalse}%
              }%
\ifx\endtable\undefined\let\@Fendtable\relax\fi%
\def\@temp@{\def\endtable{\ifFLA\endgroup% \endtable may be \relax
            \expandafter\let\csname endtable*\endcsname\endtable%as in endfloat
                          \fi}%
           }%
\ifx\endtable\relax\@temp@% is also used in frenchll for testing purpose
\fi%
\expandafter\def\csname @Fendtable*\endcsname{% Will be called by \@Fxloat.
            \expandafter\let%
            \expandafter\@dbetORI\csname endtable*\endcsname%......  \endtable*
            \expandafter\def%
            \csname endtable*\endcsname{\ifFLA\par%
```

```
                          \vskip-\lastskip% make footnotes here
                          \ifvoid\@mpfootins\else\vskip\skip\@mpfootins%
                            \footnoterule\unvbox\@mpfootins\fi%
                          \fi\@dbetORI\ifFLA\endgroup\fi%
                          \ifx\@lim\empty\else\marginpar{\@lim@}%
                             \xdef\@lim{}\fi\let\ifMOVING\iffalse}%
                                          }%
\expandafter\ifx\csname endtable*\endcsname\relax%
 \expandafter\let\csname endtable*\endcsname\endtable%
\fi% for ams classes
% The following code is for beamer which don't use float for figures/tables.
\expandafter\ifx\csname\string\table\endcsname\undefined\else%
   \expandafter\let\expandafter\BfigureORI\csname\string\figure\endcsname%
   \expandafter\def\csname\string\figure\endcsname{\@Fendfigure\BfigureORI}%
   \expandafter\let\expandafter\BtableORI\csname\string\table\endcsname%
   \expandafter\def\csname\string\table\endcsname{\@Fendtable\BtableORI}%
\fi%
%#<
\def\drapeaufg{\ifFLA%.....................................  \drapeaufg
               \raggedright\hbadness=6000%
               \rightskip=0.3em plus 0.75em\hfuzz=0.4em\relax%
               \let\enddrapeaufg\par\fi}%
\def\drapeaufgIN{\ifFLA%................/.....................  \drapeaufgIN
                 \raggedright\hbadness=6000%
                 \rightskip=0.3em plus 0.75em\hfuzz=6em%
                 \lefthyphenmin=12\righthyphenmin=10\relax%
                 \let\enddrapeaufgIN\par\fi}%
\def\drapeaufd{\ifFLA\raggedleft%.............................  \drapeaufd
               \let\enddrapeaufd\par\fi}%
\def\drapeaufdIN{\ifFLA%.....................................  \drapeaufdIN
                 \raggedleft\hfuzz=6em%
                 \lefthyphenmin=12\righthyphenmin=10\relax%
                 \let\enddrapeaufdIN\par\fi}%
%#>
%\GOfrench{ -emacs pb-
% continuing definition of \GOfrench
\ifx\undefined\Hy@PDFDef\let\Hy@PDFDef\pdfstringdef\fi% ......... \pdfstringdef
\ifx\undefined\Hy@PDFDef\else% For the old hyperref package.
   \let\@hpdORI\Hy@PDFDef%
   \def\Hy@PDFDef##1##2{\@ifFTYfalse\afterassignment%
                        \@Fstr\@hpdORI{##1}{##2}\@ifFTYback}%
\fi%
\ifx\pdfstringdef\undefined\else%
               \let\pdfstringdef\Hy@PDFDef%
\fi%
               \let\@lti\labelitemi\let\@ltii\labelitemii%
               \let\@ltiii\labelitemiii\let\@ltiv\labelitemiv%
               \@ifo% define French options, GOfrench part 1
               \let\@ifo\undefined% now release memory
               \@doFh% process language.dat, GOfrench part 2
               \let\@doFh\undefined% release memory
               \let\hyphex\undefined\let\frhyphex\undefined%
               \let\@temp@\undefined%
               \let\ifFTY\iffalse\let\ifFTR\iffalse% if begin language isnt
               \let\ifFLA\iffalse\let\ifFMA\iffalse\let\ifFH\iffalse% french
% Get original \everypar control command but not hebrew macro.
\def\@tempa##1{\o@everypar{\rl@everypar##1}}%
\ifx\@tempa\everypar\let\TeXeverypar\o@everypar%
\else\let\TeXeverypar=\everypar%
```

```
\fi%
%
% As eTeX is bugged (no respect of \csname beginL\endcsname=\relax when
% TeX--XeT option disabled), Philip Taylor suggested the following code
% to replace the test about \beginL:
%               %\ifx\beginL\undefined\else%
               \ifx \TeXXeTstate \undefined%
                        \edef \next {\ifx \beginL \undefined 00\else 01\fi}%
               \else%
                        \edef \next {\ifnum \TeXXeTstate = 0 00\else 01\fi}%
               \fi%
               \if \next\let\beginL\relax\let\beginR\relax% patch eTeX.
                \else%
% assume Left to right for *the* document if TeX--XeT.
                   \edef\@fepORI{{\the\TeXeverypar}}%
                   \def\@SetBFWdirection{\csname begin%
                                         \beginFWdirection\endcsname}%
                   \TeXeverypar={\@SetBFWdirection%
                                 \let\@SetBFWdirection\relax%
                                 {\let\@nodocument\relax% In case hebrew.
                                 \@fepORI}}%
               \fi%
               \let\ErrFrench\@Ffnt\def\@Ffnt##1{}%
% insure files integrity
\ifx\undefined\babel@core@loaded% already done for Babel in .ldf
\protected@write\@auxout{}{\protect%
\csname auxWARNINGi\protect\endcsname{\protect\typeout%
            {-34- this file and other auxiliary files require to %
                  use the following}}}%
\protected@write\@auxout{}{\protect%
\csname auxWARNINGi\protect\endcsname{\protect\typeout%
            {-34- LaTeX packages: \frenchpack!}}}%
\protected@write\@auxout{}{\protect%
\csname auxWARNINGi\protect\endcsname{\protect\typeout%
            {-34- check \protect\protect\protect\usepackage%
                  \protect\space or remove these files. %
                  Typesetting is aborted!}%
            \protect\stop}}%
%\let\auxWARNINGi=\@gobble% set in the preambule
\fi%
% patch inclusion:
\@finput{frpatch.sty}%
 \ifx\FSfd@patch\FSfd\else
  \f@issue%
  \@fw{-42- %
   %\@txt@msg{The French patch file (frpatch.sty) is not suitable^^J}%
   %\@txt@msg{for this version of the "\frenchpack" package dated \FSfd}%
      }%
   \batchmode\@@end%
 \fi%
               \let\@Ffnt\ErrFrench\let\ErrFrench\undefined% ditto
%%% Since "msg" is in use, \InputIfFileExists no more input the file, why?
%%%            \InputIfFileExists{\frenchname.cfg}{% load site config file.
%%%                               \f@issue%
%%%                               \@fw{-48- %\@txt@msg{Lecture du fichier de }%
%%%                                   %\@txt@msg{configuration de \frenchpack}%
%%%                                   }}{}%
%%% so we now call \IfFileExists ... \@finput
               \IfFileExists{\frenchname.cfg}{% load site config file.
```

```
                                \f@issue%
                                \@fw{-48- %\@txt@msg{Lecture du fichier de }%
                                    %\@txt@msg{configuration de \frenchpack}%
                                    }%
                             \@finput{\frenchname.cfg}}{}%
              \beginlanguage}% now the new language (end of \GOfrench)
%
     \let\@dORI\document%.................................  \begin{document}
     \def\document{% \slidesonly of seminar must not gobble me!
                  \ifx\noxcomment\undefined\else%
                      \global\let\@x@hk\xcomment@hook\global\noxcomment\fi%
     \ifx\btxselectlanguage\undefined%
     \else\ifx\babel@savevariable\undefined%
      \f@issue\@fw{-87- %
        %\@txt@msg{ERREUR \string: }%
        %\@txt@msg{babelbib s'utilise uniquement avec babel}%
                 }%
      \stop%
          \fi%
     \fi%
     \ifx\@bglngpk\babel@savevariable%
     \else% Babel loaded after french.
      \f@issue\@fw{-71- %
        %\@txt@msg{ATTENTION : }%
        %\@txt@msg{si babel est utilis\'e, mettre \frenchname\space en option}%
                 }%
     \fi\let\@bglngpk\undefined%
                  \@dORI% execute original \document
                  \GOfrench% now initiate the style
                  \let\GOfrench\undefined% release memory
                  \ifx\noxcomment\undefined\else\let\xcomment@hook\@x@hk%
                      \expandafter\xcomment@hook\fi}%
% now reset < ‘ ’ > as other chars
\@makeother‘\@makeother<\@makeother>\@makeother’%
% ReRead of aux file at \end{document} may create problems.
% As French things are already applied, so it's unuseful after   \end{document}
\let\enddocumentasusual\enddocument%.........................  \enddocument
     \def\enddocument{\def\@tempa{\AtEndDocument{\french\f@clearpage%
                \global\let\ifCLA\iffalse% No more page, thus no layout.
                      \let\ifCLAfrench\iffalse%
                      \endfrench}}%
%%% Notice we specially use \AtEndDocument to avoid AmS hook material
%%% to print outside of the current (final) page the \@setaddresses.
                     \csname f@lastpage\endcsname% Allow user mods here.
                     \@CGroup% end any remaining opened << group
                     \ifFLA% At the real end of document we should
                        \@tempa% output last page in french.
                        \def\@tempa{empty}\ifx\@specialstyle\@tempa%
                                        \else\gdef\@specialstyle{french}\fi%
                     \fi%
                     \let\GOfrench\relax% Stop to generate \beginL.
                     \switchtolanguage\englishTeXmods%
                \let\f@clearpage\clearpage% Keep \clearpage for \AtEndDocument
% Avoid the lastpage package do a \clearpage until last \french page
\ifx\lastpage@putlabel\undefined% and avoid any change of
\else\let\clearpage\relax% the page counter:
     \let\lastpage@putlabelORI\lastpage@putlabel%
     \def\lastpage@putlabel{\addtocounter{page}{+1}\lastpage@putlabelORI%
                            \addtocounter{page}{-1}}%
```

```
\fi%
                      % Redef of \@newl@bel due to Babel \select@language
                      \ifx\undefined\babel@core@loaded\else% i.e. \@testdef:
                       \ifx\@testdef\undefined\else% ..............  \newlabel
                            \@gG{@td}{@testdef}{//}{3}\fi%..... \@testdef
                      \fi%
                      % Let few stuff expand in \edef for TeX4ht.
\ifx\ConfigureToc\undefined\else%
                      \let\@ifFTYfalse\relax\let\@ifFTYback\relax%
                      \@Fstr\let\@Fstr\relax%
\fi%
                      \enddocumentasusual%
                      }%
\let\@whatUCH\relax% \@whatUCH is \relax with french light.
%#<
%                   ================================
%                   |        Hyphenation           |
%                   ================================
%
% Allow or not hyphenation of words starting with a capital letter
\def\allowfulluchyph{\@noBDfr%
                      \uchyph=1\let\@whatUCH\allowfulluchyph%.. \allowfulluchyph
                      \let\@uchbox\empty}%
\def\allowuchyph{\@noBDfr%
                  \uchyph=1\let\@whatUCH\allowuchyph%.............. \allowuchyph
                  \let\@uchbox\hbox}%
\def\disallowuchyph{\@noBDfr%
                     \uchyph=-1%.............................. \disallowuchyph
                     \let\@whatUCH\disallowuchyph\let\@uchbox\hbox}%
\def\notthyphenation{\@noBDfr%
                      {\tt\hyphenchar\font=-1}%.................\notthyphenation
                      \let\ifTTH\iffalse}%
\def\tthyphenation{\@noBDfr%
                    {\tt\hyphenchar\font=`\-}%..................  \tthyphenation
                    \let\ifTTH\iftrue}%
\let\@whatUCH\allowuchyph% is normaly the TeX default
\let\ifTTH\iffalse% we presume that there no tt hyph. by default
\let\ifFH\iffalse%we assume we start with no French hyphenation (wrong!)
%
% A macro asking to load  a language specific exceptions file.
% Argument provides the language name. File name is in language.dat
\def\hyphex#1{% available before \begin{document}
               \if#1\empty%..................................... (\hyphex)
                 \else%  a general macro for other languages
                  \edef\@excn{#1}\fi%
                  \let\if@FE\iftrue}% \hyphex{} before begin document will
%                                    % load exceptions files
\def\frhyphex{% available before \begin{document}
               \if@PMF\else\hyphex{\frenchname}\fi}%.................  \frhyphex
%#>
%                   ================================
%                   |       Translations           |
%                   ================================
%
% The following is to ``repair'' default captions used in standard V2 styles
% prior October 91 as "Figure n:" and "Table n:".
\def\@eatDP{\@ifNextNB:{\@gobble}{}}%
%\def\@eatP#1{\@ifNextNB.{\@gobble}{}}% for any AmS class
\def\f@ffrench{\ifx\listoffigures\relax\else%
```

```
              \figurename~\thefigure\ifFTY\captionseparator\fi\fi%
              \ifFTY\expandafter\@eatDP\fi}%
\def\f@tfrench{\ifx\listoftables\relax\else%
              \tablename~\thetable\ifFTY\captionseparator\fi\fi%
              \ifFTY\expandafter\@eatDP\fi}%
\def\unnumberedcaptions#1{\@noBDfr%
                        %.............................  \unnumberedcaptions
     \expandafter\let\csname listof#1s\endcsname\relax%
     \ifx\listoffigures\relax\ifx\listoftables\relax%
          \let\unnumberedcaptions\undefined%
     \fi\fi%
                        }%
%
% Titles ..................................................... \captionsnames
\@ifundefined{captionsnames}{\def\captionsnames{\relax}\let\@tempa\@currname%
% load English captions  but force language name for ...
\xdef\@currname{fenglish}\@finput{fenglish.sty}\let\@currname\@tempa{}%
\def\languagename{french}% ... any further msg message with \kbencoding.
\let\ifnonenglishheadings\iftrue% Bypass to a LaTeX slight bug...
%#<
\def\tocreduite#1#2{}% Reduce toc to a toc-summary for \sommaire.
\def\@sEAT#1#2{\@sORI*{\sommairename}}% Normally a \sommaire is short
\def\@cEAT#1#2{\@chORI*{\sommairename}}% and need no headings.
\def\@smr[#1]{\let\@tempa\contentsname% Save it for
              \let\contentsname\sommairename% memoir.cls.
     \ifx\tableofcontents\undefined\else%
              \begingroup\ifcase #1 0% Process \sommaire[1-4]
     \or   \let\l@paragraph\tocreduite%.....\sommaire[1]
           \let\l@subparagraph\tocreduite%
     \or   \let\l@subsubsection\tocreduite%.\sommaire[2]
           \let\l@paragraph\tocreduite%
           \let\l@subparagraph\tocreduite%
     \or   \let\l@subsection\tocreduite%....\sommaire[3] DEFAULT
           \let\l@subsubsection\tocreduite%
           \let\l@paragraph\tocreduite%
           \let\l@subparagraph\tocreduite%
     \else \let\l@section\tocreduite%.......\sommaire[4]
           \let\l@subsection\tocreduite%
           \let\l@subsubsection\tocreduite%
           \let\l@paragraph\tocreduite%
           \let\l@subparagraph\tocreduite%
                         \fi%
     \let\@sORI\section\let\@chORI\chapter%
     \let\section\@sEAT\let\chapter\@sEAT%
     \let\@ToCisNOT\relax% let it be a sommaire first ie there is no toc
     \def\@starttoc##1{% \@startoc locally redefined to let toc reusable
         \ifx\fr@RIfM@cls\undefined% special case AmS document class
          \else\chapter*{\sommairename}% print sommaire now
         \fi%
         \begingroup\makeatletter% any case require a second pass
         \immediate\openin\@inputcheck \jobname.##1 %
         \if@filesw \expandafter\newwrite\csname tf@##1\endcsname\fi%
         \ifeof\@inputcheck \@Ffnt{\jobname.##1}%
                     \if@filesw\immediate\openout \csname tf@##1\endcsname%
                               \jobname.##1\relax\fi%
         \else\immediate\closein\@inputcheck \relax\@@input \jobname.##1 %
              \@ifundefined{@ToCisNOT}{% let a toc be defined further
                     \if@filesw\immediate\openout \csname tf@##1\endcsname%
                               \jobname.##1\relax\fi}{}%
```

```
         \fi\global\@nobreakfalse \endgroup}%
     \ifx\fr@RIfM@cls\undefined% special case AmS document class
      \else\def\contentsname{}% dont print table of contents at all here!
     \fi% in usual cases (LaTeX document classes) we do
     \tableofcontents\endgroup% print the sommaire now.
     \def\tableofcontents{% new def that records there is a toc in the doc
         \ifx\pdfstringdef\undefined% Reset orginal \contentsline
          \else\let\contentsline\contentslineORI\fi% for hyperref.
         \addtocontents{toc}{\protect%
                            \let% just to be not
                            \protect\@ToCisNOT\protect\empty}% as relax
     \begingroup% \@starttoc locally redefined to avoid pb with Atari
          \def\@starttoc####1{\begingroup% normal def without newdef of tf@
                     \makeatletter\@input{\jobname.####1}%
                     \if@filesw\immediate\openout \csname tf@####1\endcsname%
                               \jobname.####1\relax\fi%
                     \global\@nobreakfalse \endgroup}%
     \@tocORI\endgroup}% now the original toc command
      \fi% of \if\tableofcontents\undefined
     \let\contentsname\@tempa% Restore it for memoir.cls.
              }% \@smr
\def\sommaire{\@ifNextNB[{\@smr}{\@smr[3]}%]..... \sommaire
             }% a Sommaire is a TOC in front of a document
\def\@temp@{\let\if@twocolumn\iffalse}%
\@ifundefined{if@twocolumn}{\@temp@}{}%
\@ifundefined{abstract}{% undefined in book
    \def\abstract{\let\@w@s\@gobble%
                   \if@twocolumn\section*{\abstractname}%
                  \else\sm@ller\begin{center}%
                  \textbf{\abstractname\vspace*{-.5em}\vspace*{\z@}}%
                  \end{center}\quotation\fi}%
    \def\endabstract{\if@twocolumn\else\endquotation\fi}}{}%
\@ifundefined{resume}{% there are styles already defining \resume
\def\resume{%..................................................... \resume
            \let\@w@s\@gobble% no warning for \parsep mod.
            \abstract}%
\let\endresume\endabstract%..................................... \endresume
                     }{}%
%
\def\@tempa{%
\def\endkeywords{\@noBDfr}%
\def\keywords{\@noBDfr%..................................... \keywords
              \let\@w@s\@gobble% no warning for \parsep mod.
              \quotation\noindent\sm@ller{%
              \ifx\fr@RIfM@cls\undefined%
                \else\let\textbf\textsc\fi% for AmS classes
                                \kwname}%
              \let\endkeywords=\endquotation}%.................. \endkeywords
           }%
\@ifundefined{keywords}{\@tempa}%
                       {\ifx\fr@RIfM@cls\undefined%
                         \else\@tempa% do redefine AmS class keyords def
                        \fi%
                       }%
\@ifundefined{endkeywords}{\let\endkeywords\relax}{}%
%
\def\motsclef{\keywords\relax% case any arg. %..................... \motsclef
              \def\endmotsclef{\endkeywords}}%................... \endmotsclef
%
```

```
\let\ifFTR\iftrue% Default translation is on.
\ifx\texteuro\undefined\else%
 \let\textcurrencyORI\textcurrency%.............................. \textcurrency
 \def\textcurrency{\ifFTR\expandafter\texteuro%
                   \else\expandafter\textcurrencyORI%
                   \fi}%
\fi%
\def\annexe {\@ann{\appendixname}}%.................................. \annexe
\def\annexes{\@ann{\appendixname s}}%................................ \annexes
\def\@ann#1{\@noBDfr\leavevmode%
            \ifx\fr@RIfM@cls\undefined\else% for AmS classes
             \let\chaptername\appendixname% forget Chapter
            \fi%
            \ifx\chapter\undefined\else%
            \par\setcounter{chapter}{0}\setcounter{section}{0}%
       \def\@chapapp{\appendixname}\def\thechapter{\Alph{chapter}}%
       \addcontentsline{toc}{chapter}{\protect#1}%
            \fi}%
\@ifundefined{@restonecolfalse}{\def\@restonecolfalse{}%
                                \def\@restonecoltrue{}}{}% dummy def
\@ifundefined{@mkboth}{\def\@mkboth#1#2{}}{}% idem
\def\glossaire{\@glo{%\protect%
                      \glossaryname}}%.............................  \glossaire
\def\glossaires{\@glo{%\protect%
                       \glossaryname s}}%.........................  \glossaires
\def\@glo#1{\ifx\chapter\undefined\else%
            \setcounter{chapter}{0}\setcounter{section}{0}%
          \@restonecolfalse\if@twocolumn\@restonecoltrue\onecolumn\fi%
                    \hbox{}% to simulate any text that will allow the writes
                    \clearpage% to be done to the file instead of the terminal
                    \ifx\fr@RIfM@cls\undefined% no need with AmS classes
                     \chapter*{#1%
                      \@mkboth{\MakeUppercase{#1}}{\MakeUppercase{#1}}%
                              }%
                     \addcontentsline{toc}{chapter}{\protect#1}%
                    \else\chapter*{#1}% just this for AmS classes
                    \fi%
          \ifx\undefined\@glossaryfile\else%
                   \immediate\closeout\@glossaryfile%
                    \ifx\undefined\glossaryentry% dummy def .... \glossaryentry
                         \long\def\glossaryentry##1##2{\noindent-- ##1\par}%
                    \fi%
                    \ifx\undefined\theglossary%
% default glossary defs, type \glossary{[entry :] comments}
% and use \printglossary[filename] default is jobname.gls .....  \printglossary
                         \let\theglossary\description%
                         \let\endtheglossary\enddescription%
                         \let\scan@allowedfalse\makeatother% gglo.ist call this
                         \def\pfill##1 {}% nullify page num. unneded
                         \def\@pgf[##1]{\@finput{##1}}%
                         \def\printglossary{\@ifNextNB[%] emacs
                                            {\@pgf}{\@pgf[\jobname.gls]}}%
                    \fi%
          \fi\fi}% \input \jobname.glo will typeset the glossary
%#>
\def\datefrench{%
\def\todayfrench{\ifx\ier\undefined\def\ier{er}\fi%
                 \ifnum\day=1\relax 1\ier%....................... \todayfrench
                 \else \number\day\fi%
```

```
                \space\ifcase\month\or janvier\or f\'evrier\or mars\or %
                avril\or mai\or juin\or juillet\or ao\^ut\or septembre\or %
                octobre\or novembre\or d\'ecembre\fi \space\number\year}%
}\datefrench% no need of \datefrench def for babel <3.6
\if@filesw
   \def\ordinalSecondNam{{s}econd}%
   \def\ordinalSecondName{{s}econde}%
\else%
   \def\ordinalSecondNam{{d}euxi\`eme}%
   \let\ordinalSecondName\ordinalSecondNam%
\fi%
   \def\@osn#1#2{\expandafter\ifx\csname#1osn\endcsname%
                \relax#2\else\csname#1osn\endcsname\fi}%
   \def\ordinal#1{\ifcase\value{#1}\or {p}remier%
                  \or\@osn{#1}{\ordinalSecondNam}\else\ordin@l{#1}\fi}%
   \def\ordin@l#1{\ifcase\value{#1}\or\or\or %
     {t}roisi\`eme\if@filesw{\protected@write\@auxout{}{%
                             \protect\expandafter%
                             \protect\gdef\protect\csname#1osn%
                                        \protect\endcsname%
                             {{d}euxi\`eme}}}%
                  \fi%
     \or {q}uatri\`eme\or {c}inqui\`eme\or {s}ixi\`eme\or %
     {s}epti\`eme\or {h}uiti\`eme\or {n}euvi\`eme\or {d}ixi\`eme\or %
     {o}nzi\`eme\or {d}ouzi\`eme\or {t}reizi\`eme\or {q}uatorzi\`eme\or %
     {q}uinzi\`eme\or {s}eizi\`eme\or {d}ix-septi\`eme\or {d}ix-huiti\`eme\or %
     {d}ix-neuvi\`eme\or {v}ingti\`eme\fi}%
   \def\ordinale#1{\ifcase\value{#1}\or {p}remi\`ere%
                   \or\@osn{#1}{\ordinalSecondName}\else\ordin@l{#1}\fi}%
   \def\Ordinal{\expandafter\uppercase\ordinal}%
   \def\Ordinale{\expandafter\uppercase\ordinale}%
%
\def\captionsfrench{%..................................  \captionsfrench
 \ifFTR% Is French translation allowed?
  \ifx\captionsnames\captionsfrench\else%
   \let\@tdORI\today%.............................................. \today
   \let\f@fORI\fnum@figure%.....................................  \fnum@...
   \let\f@tORI\fnum@table%
   \let\@cnsORI\captionsnames%
% The following for styles or classes: article, report and book
   \def\pagename{page}%
   \def\refname{R\'ef\'erences}%
   \def\abstractname{R\'esum\'e}%
\ifx\bibname\undefined\else%
   \def\bibname{Bibliographie}%
\fi%
\ifx\btxselectlanguage\undefined% Don't call \bibsfrench if babelbib loaded.
   \csname bibsfrench\endcsname% more bibs-names if any.
\fi%
   \def\contentsname{Table des mati\`eres}%
   \def\listfigurename{Table des figures}%
   \def\listtablename{Liste des tableaux}%
\ifx\listalgorithmname\undefined\else%
   \def\ALG@name{algorithme}%
   \def\listalgorithmname{Liste des \ALG@name s}%
\fi%
   \def\indexname{Index}%
   \def\seename{\emph{voir}}% used normally in makeidx.sty
   \def\seealsoname{\emph{voir aussi}}% added macro  \seealso
```

```
   \def\figurename{\textsc{Fig.}}%
   \def\tablename{\textsc{Tab.}}%
   \def\sommairename{Sommaire}%
   \def\partname{% "Premi\‘ere partie" instead of "Part I"
                 \ignorespaces\Ordinale{part}\space partie%
                 \@RPtNoInDoc\noexpand\@RPtNoInToc}%
   \def\glossaryname{Glossaire}% added
   \def\kwname{\textbf{Mots-cl\’e} : }%
   \def\draftname{- \noexpand\351preuve -}% PostScript IsoLatin1 \’epreuve
   \def\prefacename{Pr\’eface}%
\ifx\proofname\undefined\else\def\proofname{D\’emonstration}\fi%
%
% Comment for further dev:
% Next ones depend from the class of document in use, thus the translations
% should apply _only_ when the corresponding class is loaded. Thus it should
% be better to define these names when loading french, not dynamically at
% run time when typesetting the document.
%
\ifx\fr@RIfM@cls\undefined% figure and table captions modified
   \let\fnum@figure\f@ffrench% except for any AmSLaTeX V1.2 class
   \let\fnum@table\f@tfrench% for which it remains unsolved pbs.
   \def\@RPtNoInToc{}%
   \def\@RPtNoInDoc{\def\thepart{}}% nullify \thepart
   \else\def\@RPtNoInToc##1.{.}% remove until dot
        \def\@RPtNoInDoc##1\thepart{}% remove until value
%   \let\@eatDP\@eatP%
\fi%
% The following is only for letter
\ifx\opening\undefined\else%
   \def\headtoname{}%
   \def\ccname{c.c. }% copie conforme
   \def\enclname{P.j. }% Pieces jointes
   \def\PSname{P.-S. :}% Post-Scriptum
   \def\Objectname{Objet :}% Object of the letter
   \def\YourRefname{v/r\’ef. :}% Your reference number
   \def\OurRefname{n/r\’ef. :}% Our reference number
   \def\emailname{m.\’el. :}% Email address
\fi%
% The following is for seminar
\ifx\slidename\undefined\else%
   \def\slidename{Transparent}%
   \def\listslidename{Liste des transparents}%
\fi%
% The following is for endnotes 98/01
\ifx\notesname\undefined\else%
   \def\notesname{Notes}%
\fi%
% The following is only for report and book ...
   \def\chaptername{Chapitre}%
   \def\appendixname{Annexe}%
   \let\captionsnames\captionsfrench%
  \fi% \else of \ifx\captionsnames\captionsfrench%
   \let\today\todayfrench%
\def\@cORI{\@cnsORI% Restore original caption names
            \let\today\@tdORI%
            \let\fnum@figure\f@fORI%
            \let\fnum@table\f@tORI}%
\fi% \ifFTR
}%end of captionsfrench
```

```
%#<
\iffrenchbibliography%
  \ifx\@rbibstyid\undefined%
    \let\@rbibstyid\empty%
    \ifx\jb@pkg@name\undefined\else%
      \def\@rbibstyid{jb}%
    \fi%
  \fi%
  \ifx\bibsfrench\undefined%
    \edef\@tempa{fr\@rbibstyid bib.ldf}%
    \IfFileExists{\@tempa}{%
\f@issue%
\@fW{ -65- %
           %\@txt@msg{\frenchname.sty charge }%
           %\@txt@msg{les traductions pour la bibliographie \string:}%
    }\@finput{\@tempa}}{}%
  \fi%
  \ifx\bibsenglish\relax%
    \edef\@tempa{en\@rbibstyid bib.ldf}%
    \InputIfFileExists{\@tempa}{}{}%
  \fi%
\fi%
%#>
%%%%%%%%%%%%%%%%%
%                  ================================
%                  |           Layout             |
%                  ================================
%
% NB: See elsewhere in the code for appearance of \ifFLA, to find
%     all French layout coding.
\let\@tlORI\@trivlist%
\def\frenchtrivsepwarnings{\let\ifFTSW\iftrue}%........  \frenchtrivsepwarnings
\def\nofrenchtrivsepwarnings{\let\ifFTSW\iffalse}%...  \nofrenchtrivsepwarnings
\long\def\frtrivseplengths#1{%.............................. \frtrivseplengths
                             \nofrenchtrivsepwarnings%
                             \long\def\fr@tsl{#1}%
                            }%
\def\fr@tsl{\setlength{\parsep}{0.2ex plus 0.1ex minus 0.1ex}%
            \setlength{\itemsep}{0.2ex plus 0.1ex minus 0.1ex}%
            \setlength{\topsep}{0.4ex plus 0.2ex minus 0.2ex}%
            \setlength{\partopsep}{1.6ex plus 0.8ex minus 0.8ex}%
           }%
\def\frenchtrivsep{\ifFLA\def\@trivlist{%.....................  \frenchtrivsep
                   \fr@tsl\@tlORI}%
                   \fi}
\def\nofrenchtrivsep{\let\@trivlist\@tlORI}%.................  \nofrenchtrivsep
\@ifundefined{@afterindenttrue}{\let\@afterindenttrue\relax%
                                \let\@afterindentfalse\relax}{}%
\let\@aifORI\@afterindentfalse% save first indent
\edef\@piORI{\the\parindent}% save \parindent
\begingroup \catcode `| =0  \catcode `[ = 1 \catcode`] =2%
            \catcode `\{=12 \catcode `\}=12 \catcode`\\=12%
            |gdef|@xversatim#1\end{versatim}[#1|end[versatim]]%
            |endgroup% running macro for versatim
%
\let\@FIM@\relax% Macro is relax with french light
%#<
\def\@FIM@{\ifCG\else\ifFLA\ifEPG\ifEPGR\else\leftguillemets\fi\fi\fi\fi}%
\let\checkitemguillemets\@FIM@%
```

```
%#>
\def\fr@idf{\let\@afterindentfalse\@afterindenttrue\@afterindenttrue}%
\def\fr@nidf{\let\@afterindentfalse\@aifORI\@afterindentfalse}%
\ifx\titlespacing\undefined%
     \let\which@indent\fr@idf% French default is \indentfirst
\else\let\which@indent\fr@nidf% but let's titlesec package decide if loaded.
\fi%
\def\fr@lbi{\def\labelitemi{\@FIM@--}\def\labelitemii{\@FIM@--}%
            \def\labelitemiii{\@FIM@--}\def\labelitemiv{\@FIM@--}%
           }%
\long\def\frlabelitems#1{\ifFLA\long\def\fr@lbi{#1}%..... \frlabelitems
                         \fr@lbi\fi}%
\def\@FIM{% Correct labels in itemize environement .....  \labelitem..
           \fr@lbi%
           \def\indentfirst{\ifFLA\fr@idf\fi}%..... \indentfirst
           \def\nonindentfirst{\ifFLA\fr@nidf\fi}%..... \nonindentfirst
           \which@indent% Apply requested indent in first paragraph
%#<
           % The "order" list .....  \begin{order} & \end{order}
           \def\labelfrenchenumi{\@FIM@\quando={\arabic{enumi}}}%
           \def\labelfrenchenumii{\@FIM@\quando={\arabic{enumii}}}%
           \def\labelfrenchenumiii{\@FIM@\quando={\arabic{enumiii}}}%
           \def\labelfrenchenumiv{\@FIM@\quando={\arabic{enumiv}}}%
           \def\order{\ifnum \@enumdepth >3 \@toodeep\else%
           \advance\@enumdepth \@ne%
           \edef\@enumctr{enum\romannumeral\the\@enumdepth}\list%
           {\csname labelfrench\@enumctr\endcsname}%
           {\usecounter{\@enumctr}%
     \ifFLA% French layout might be switched after the definition
           \addtolength{\leftmargin}{0.9em}% allow a second digit and <<
     \fi%
           \def\makelabel####1{\hss\llap{####1}}}\fi}% \order
           \let\endorder =\endlist%
          % The "versatim" environment  ....  \begin{versatim} & \end{versatim}
          % inapropriate for multi-level of indentation!
          \def\versatim{\bgroup\let\@w@s\@gobble% nullify warning 58
                        \ifFLA% protect our new settings
              \let\dospecials\@dsversa% our specials for versatim
              \def\@xobeysp{\leavevmode{}\space}% allow hypenation at  space
              \ifx\verbatim@font\undefined\let\verbatim@font=\tt\fi%
              \let\@ttORI\verbatim@font%  save the original \tt definition
              \def\verbatim@font{\@ttORI% execute it first to know the font
                  \verse% now enter verse environment (\itemindent is negative)
                  \vskip-2\parskip%  remove vertical   par   skips
                  \vskip-1\partopsep\vskip-\topsep%
                  \leavevmode%
                  \leftskip=-2\itemindent% the margin is increased
                  \parindent=2\itemindent% each line will go in the margin
                  \parskip\z@% no more interline (interpar) spacing
                  \pretolerance=\@M\tolerance=\@M\hbadness=\@M% max tolerance
                  \hyphenchar\the\font=`\-}%
              \let\tt=\verbatim@font% useful outside NFSS
                        \fi% ifFLA end of \verbatim@font new def
              \let\@xverbatim\@xversatim% define environment
              \verbatim}% now enter usual verbatim
          \def\endversatim{\endverse%
                      \ifTTH\else\hyphenchar\the\font=-1\fi% was a global def
                      \endverbatim\ifFLA\vskip+1\partopsep\fi\egroup}%
          \@ifundefined{vers}{%
```

```
            \def\@vers##1{\def\@tempa ####1##1{\leavevmode\null####1%
                        \endgroup}\@tempa}%
            \def\vers{%..................................................... \vers
                \begingroup% protect local modifications
                \def\@xobeysp{\ifFLA\else\penalty\@M\fi\space}% allow
                \catcode`‘=13 \@noligs \tt% hyphenation at blank  space
                % word hyphenation done only if \tthyphenation typed
                \ifFLA\let\dospecials\@dsversa\fi%
                \let\do\@makeother\dospecials\@vobeyspaces \frenchspacing%
                \@vers}}{}%
          \@ifundefined{verbatimfile}%..................... \verbatimfile
                  {\def\verbatimfile##1{\begingroup\@verbatim\frenchspacing
                    \@vobeyspaces\input ##1\endgroup}}{}%
%#>
}% end of \@FIM
%==================== for the letter ...
\def\@temp@{% a temporary def of all material
\let\@ps@fp\ps@firstpage%
\def\@opening{%
\let\@wideletter\relax% Definitions for french light here.
\let\emailadd\@empty\let\@yourref\@empty\let\@ourref\@empty%
\let\@object\@empty%
%#<
  \@ifundefined{wideletter}{%
  \def\@wideletter{}\def\wideletter{%........................... \wideletter
                    \def\@wideletter{\leftskip-0.25\indentedwidth}}}{}%
  \@ifundefined{email}{%
  \def\email####1{\def\emailadd{\texttt{####1}}}}{}%.................. \email
       \@ifundefined{emailadd}{\def\emailadd{}}{}%
  \@ifundefined{yourref}{%
  \def\yourref####1{\def\@yourref{####1}}}{}%....................... \yourref
       \@ifundefined{@yourref}{\def\@yourref{}}{}%
  \@ifundefined{ourref}{%
  \def\ourref####1{\def\@ourref{####1}}}{}%......................... \ourref
       \@ifundefined{@ourref}{\def\@ourref{}}{}%
  \@ifundefined{object}{%
  \def\object####1{\def\@object{####1}}}{}%......................... \object
       \@ifundefined{@object}{\def\@object{}}{}%
  \@ifundefined{PS}{%
  \def\PS####1{{\raggedright\PSname\space ####1}}}{}%..................... \PS
%#>
  \def\ps@firstpage{\ifFLA%
     \advance\topmargin by -20\p@% I also suggest to add in
                    % document preambule: \advance\textheight by 20\p@%
                    \def\@oddhead{\ifx\undefined\formhead\else%
                                  \bgroup\hss\formhead\hss\egroup\fi}%
                    \def\@oddfoot{\raisebox{-45\p@}[\z@]%
                                {\hbox to \textwidth{%
                    \ifcase \@ptsize\relax%
                             \normalsize%
                    \or      \sm@ller%
                    \or      \footnotesize%
                    \fi%
                    %\hspace*{100\p@}\fromlocation \hfill \telephonenum
                    \ifx\undefined\formfoot\hfill\else%
                        \bgroup\hss\formfoot\hss\egroup\fi%
                   }}\hss}%
                   \def\@evenhead{}\def\@evenfoot{}%
                   \else\@ps@fp\fi}%
```

```
  \long\def\opening####1{% ..................................... \opening
    \ifFLA%%% these 3 counts not saved for other languages (unnecessary)
          \advance\indentedwidth   by -0.25\longindentation%
          \advance\longindentation by  0.22\textwidth%
          \advance\parindent       by  1.5em% null in standard .....
          %%%
          \let\nopagenumbers\relax% Avoid to switch to empty page style.
          \thispagestyle{firstpage}% set firstpage allowing the user to
                                   % use \@oddhead & \@oddfoot in \ps@firstpage
          \raggedbottom% force address to remain in the same place
          \ifx\@empty\fromlocation\location{Le}\fi%
          \ifx\@empty\fromaddress\let\fromaddress\space\fi% make an blank box
            {\raggedright\hspace*{-0.25\indentedwidth}%
                        \parbox[t]{0.5\textwidth}{\ignorespaces%
                                     \vbox to 0\p@{\fromaddress\vss}}%
              \\*[1.75\baselineskip]%
%             \\*[0.65in]% dont let the date appearing in the window
%             \vspace*{-5\baselineskip}\vspace*{60\p@}% error average
             \par}%
          \ifx\@empty\toname% in fact \toname is never empty in LaTeX V2.09!
                           % except if you code \begin{letter}{}
            {\raggedleft\bgroup\fromlocation\space\@date\egroup\par}%
          \else%
            {\raggedleft\begin{tabular}{l}\ignorespaces%
%              \toname\\ \toaddress\\*[8\parskip]%
               \toname\\ \toaddress\\*[6\parskip]%
               \fromlocation\space\@date\end{tabular}\par}%
          \fi%
          \ifx\@empty\@ourref\else%
            {\raggedright \hspace*{-0.25\indentedwidth}%
                          \OurRefname\space\@ourref \par}%
          \fi%
          \ifx\@empty\@yourref\else%
            {\raggedright \hspace*{-0.25\indentedwidth}%
                          \YourRefname\space\@yourref \par}%
          \fi%
          \ifx\@empty\@object\else%
            {\raggedright \hspace*{-0.25\indentedwidth}%
                          \textbf{\Objectname}\space\@object \par}%
          \fi%
          \par\vspace*{3\parskip}%
          \noindent####1\hfill\vspace*{3\parskip}% no need of \linebreak%
          \@wideletter%
    \else\@oORI{####1}%
    \fi}}%
\def\@closing{%
   \def\closing{\fclosing@[9]}%..................................  \closing
   \def\fclosing{\@ifNextNB[{\fclosing@}{\fclosing@[9]}%]...........  \fclosing
               }%
   \long\def\fclosing@[####1]####2{%
   \ifFLA%
                        \par%\nobreak
                        \vspace{\parskip}\stopbreaks%
                        \ignorespaces ####2\\[####1\medskipamount]%
                        \ifx\@empty\fromaddress\else%
                             \hspace*{-0.25\indentedwidth}%
                             \hspace*{\longindentation}\fi%
                             {\raggedright\begin{tabular}{l}\ignorespaces%
                        \ifx\@empty\fromsig%
```

```
                          \fromname%
                      \else \fromsig \fi%
                      \ifx\@empty\emailadd\else\\{\footnotesize%
                                          \emph{\emailname} \emailadd}\fi%
                      \strut\end{tabular}}\par%
                      \vskip 0pt plus 1fil% un peu d'elasticite
   \else\@cloORI{####2}%
   \fi}%
   \def\endletter{\ifFLA\vskip 0pt plus 3fil\fi% un peu d'elasticite
                  \@elORI}}% @closing
\@ifundefined{opening}{\def\@opening{}\def\@closing{}}%
                      {\let\@oORI\opening\let\@cloORI\closing%
                       \let\@elORI\endletter%
                       \@opening\@closing}%
}% \@temp@
\ifx\opening\undefined\let\@temp@\relax\fi%
\@temp@% only if letter .....
%====================
%#<
%.......................................................... \begin{figurette}
\let\ifFLA\iffalse% dummy def for next processing
\def\@temp@{%
\def\figurette{\@noBDfr%
               \ifx\@fgeORI\undefined\figure\fi% can't work without figure
               \ifFLA\bgroup%
                \def\@xfloat####1[h]{%
                \expandafter\let\csname end####1\endcsname\endfigurette%
                \vskip\intextsep\def\@captype{####1}\parindent\z@}%
                \@fgeORI[h]\else\figure[h]\fi}%
\def\endfigurette{\@noBDfr%
                  %.......................................   \end{figurette}
                      \ifFLA\vskip\intextsep\egroup\else\@efgeORI\fi%
                      \ifx\@lim\empty\else\marginpar{\@lim@}\xdef\@lim{}\fi%
                  \let\ifMOVING\iffalse}%
          }%
\ifx\figure\undefined\def\@temp@{}\fi%only when \figure is already defined
\@temp@%
%#>
% Reset chapter counter when starting a part --> \GOfrench
%
% Check for AmS package's class
\def\@tempa{\let\fr@RIfM@cls\undefined}% will set the no AmS class loaded flag
\let\fr@RIfM@cls\RIfM@% if no AmS package, no class as well
 \ifx\RIfM@\undefined\else%
  \expandafter\ifx\csname @classname\endcsname\relax\@tempa%
               \else\def\@tempb#1#2#3#4\@nil{%
                                  \if#1a\if#2m\if#3s\else\@tempa\fi%
                                        \else\@tempa\fi\else\@tempa\fi}%
                    \expandafter\@tempb\@classname\@nil%
              \fi%
 \fi% \RIfM@\undefined
%
% This is the French pagestyle to use instead in place of plain wrongly
% used by LaTeX in many situations. Quite simple one..... \ps@french
\def\@temp@{\def\ps@french{\if@fancyplain\ps@plain@fancy\else\ps@plain\fi}}%
\ifx\ps@fancyplain\undefined% do nothing outside fancyheadings
  \ifx\fr@RIfM@cls\undefined\def\ps@french{}% in standard LaTeX, but not
  \else\def\ps@french{\global\topskip\normaltopskip}% with AmS classes.
  \fi% \fr@RIfM@cls\undefined%
```

```
\else\@temp@% to avoid pb in case \if@fancy... undefined
\fi%
\let\ps@frenchORI\ps@french% Save final french page style def.
\let\@sdORI\secdef% will be used at each new sectioning.
\def\nofrenchpagestyle{\let\secdef\@sdORI}%.................. \nofrenchpagestyle
\def\frenchpagestyle{%..................................... \frenchpagestyle
   \def\secdef{\ifFLA\thispagestyle{french}\fi\@sdORI}%.............. (\secdef)
                    }%
\frenchpagestyle% Now run the french page style if \frenchlayout.
\ifx\aliaspagestyle\undefined% Is memoir.cls loaded? no:
\def\nobeginingfolio{\let\ps@french\ps@empty}%................. \nobeginingfolio
\else%
\def\nobeginingfolio{\let\ps@french\ps@empty% yes:
                     \aliaspagestyle{chapter}{empty}%
                    }%
\fi%
\def\beginingfolio{\let\ps@french\ps@frenchORI%................. \beginingfolio
                   \frenchpagestyle}% This is the default value.
%#<
\@ifundefined{nopagenumbers}{%don't run everywhere............ (\nopagenumbers)
                             \def\nopagenumbers{\ifFLA\pagestyle{empty}%
                                                \thispagestyle{empty}\fi}%
                            }{}%
\def\ifFLA{\ErrFrench}%
%
     \newif\ifnonvoid% still an outer def.
\def\@desarm{% the \noeveryparguillemets processing
     \newbox\@FrBoxi\newbox\@FrBoxii\newbox\@FrBoxiii%
     \newbox\@FrBoxiiii\newbox\@FrBoxvi\newbox\@FrBoxvii\newbox\@FrBoxQuotes%
     \ifx\@FrDimenS\undefined\newdimen\@FrDimenS\fi%
     \def\@setpartozero{\widowpenalty=\z@\clubpenalty=\z@%
         \interlinepenalty=\z@\brokenpenalty=\z@\displaywidowpenalty=\z@}%
     \def\nonvoidtrue{\let\ifnonvoid\iftrue}%
     \def\nonvoidfalse{\let\ifnonvoid\iffalse}%
     \def\@transfervbox##1##2{\nonvoidtrue%
          \loop%
          \setbox\@FrBoxi=\vbox{\unvbox##1\global\setbox\@FrBoxiii=\lastbox%
                 \unskip}%
          \ifvoid\@FrBoxiii\nonvoidfalse\fi%
          \ifnonvoid%
          \setbox\@FrBoxii=\vbox{\unvbox##2\box\@FrBoxiii}%
          \setbox##1=\box\@FrBoxi\setbox##2=\box\@FrBoxii%
          \repeat}%
     \def\@transferaddvbox##1##2{\nonvoidtrue%
          \setbox\@FrBoxi=\vbox{\unvbox##1\global\setbox\@FrBoxiii=\lastbox%
                \unskip}%
          \setbox##2=\vbox{\box\@FrBoxiii}%
          \setbox##1=\box\@FrBoxi%
          \loop%
          \setbox\@FrBoxi=\vbox{\unvbox##1\global\setbox\@FrBoxiii=\lastbox%
                 \unskip}%
          \ifvoid\@FrBoxiii\nonvoidfalse\setbox##1=\box\@FrBoxi\fi%
          \ifnonvoid%
          \setbox\@FrBoxii=\vbox{\unvbox##2%
                 \hbox to \@FrDimen{\copy\@FrBoxQuotes\unhbox\@FrBoxiii}}%
          \setbox##1=\box\@FrBoxi\setbox##2=\box\@FrBoxii%
          \repeat}%
    \def\@sendtopage##1{\nonvoidtrue%
          \loop%
```

```
          \setbox\@FrBoxi=\vbox{\unvbox##1\global\setbox\@FrBoxiii=\lastbox%
                 \unskip}%
          \ifvoid\@FrBoxiii\nonvoidfalse\setbox##1=\box\@FrBoxi\fi%
          \ifnonvoid%
          \unhbox\@FrBoxiii\unskip\break%
          \setbox##1=\box\@FrBoxi%
          \repeat}%
    \def\@stared{\egroup%
          \@transfervbox\@FrBoxvi\@FrBoxvii%
          \@transferaddvbox\@FrBoxvii\@FrBoxvi%
          \setbox\@FrBoxvii=\vbox{\unvbox\@FrBoxvi%
                 \global\setbox\@FrBoxiiii=\lastbox\unskip}%
          \@transfervbox\@FrBoxvii\@FrBoxvi%
          \noindent \@sendtopage\@FrBoxvi%
          \unhbox\@FrBoxiiii\unskip\unskip\unpenalty}%
    \def\@fniv2{\egroup%
          \@transfervbox\@FrBoxvi\@FrBoxvii%
          \@transferaddvbox\@FrBoxvii\@FrBoxvi%
          \setbox\@FrBoxvii=\vbox{\unvbox\@FrBoxvi%
                 \global\setbox\@FrBoxiiii=\lastbox\unskip}%
          \@transfervbox\@FrBoxvii\@FrBoxvi%
          \noindent \@sendtopage\@FrBoxvi%
          \setbox\@FrBoxvii=\vbox\bgroup\@setpartozero%
          \noindent \unhbox\@FrBoxiiii\unskip\unskip\unpenalty}%
    \def\@qqguill{\relax}%
   \def\@staring{\global\setbox\@FrBoxQuotes=\hbox to 0.81em{\@qqguill}\egroup%
          \setbox\@FrBoxvi=\vbox{\unvbox\@FrBoxvii%
                 \global\setbox\@FrBoxiiii=\lastbox\unskip}%
          \@transfervbox\@FrBoxvi\@FrBoxvii%
          \noindent\@sendtopage\@FrBoxvii%
          \setbox\@FrBoxvi=\vbox\bgroup\@setpartozero%
          \hangindent=\wd\@FrBoxQuotes\hangafter=1%
          \setbox\@FrBoxvii=\hbox{\unhcopy\@FrBoxiiii\unskip\unskip%
                 \unpenalty}%
          \@FrDimenS=\@FrDimen \advance\@FrDimenS by -2em%
          \ifvoid\@FrBoxiiii\indent\copy\@FrBoxQuotes%
          \else%
          \parindent=\z@%
          \ifdim \wd\@FrBoxvii>\@FrDimenS \unhbox\@FrBoxvii\break%
          \else \unhbox\@FrBoxvii%
      \fi\fi}%
    \def\@qquotes{\setbox\@FrBoxvii=\vbox\bgroup\@setpartozero}%
}% end \@desarm
%#>
\def\@EIM{\def\labelitemi{\@lti}\def\labelitemii{\@ltii}%
          \def\labelitemiii{\@ltiii}\def\labelitemiv{\@ltiv}%
          \let\@afterindentfalse\@aifORI\@afterindentfalse%
          \parindent\@piORI}% restore \parindent
\let\@FL\relax% \@FL is \relax with french light.
%#<
{\catcode`.=12\catcode`p=12\catcode`t=12\gdef\auTo@gf#1.#2pt{#1}}%
\def\@FL{% LETTRINES defs
\def\automaticlettrine{%
                       \ifx\lettrinefontname\undefined%..... \automaticlettrine
                           \def\@tempa####1 ####2\@@{% extract font name
                               \def\lettrinefontname{####1}}%
                           \edef\@tempb{ }%
                           \expandafter\@tempa\fontname%
                           \expandafter\font\@tempb\@@\fi%
```

```
                        \let\sv@lf=\lettrinefont}%
\def\noautomaticlettrine{%
                          \let\lettrinefontname=\undefined%.\noautomaticlettrine
                          \let\lettrinefont=\sv@lf}% reset font
\ifx\lettrine\undefined%..................................... \lettrine
\def\lettrine{\par%
              \let\@tempa\relax%
              \def\@tempa{\def\@fbr{\fboxrule=\z@}%
                                \protect\@lettrineS%
                               }%
              \@tempa}%
\if@PMF\def\@Ettrine[##1]{##1}\let\@ettrine\relax\else%
    \def\@ettrine##1##2\par{\bgroup\parskip=\z@% NFSS requires a
                            {\ly\xdef\bef@ly{\the\font}}% global def!
                            \let\newpage=\relax\let\clearpage=\relax%
                            \let\cleardoublepage=\relax%
                                     \edef\bef@fnt{\the\font}%
                            \ifCG\def\bef@let{}%
                            \else\def\bef@let{\bef@fnt\def\ly{\bef@ly}%
                                              \leftguillemets\space}%
                            \fi\@@ttrine{##1}{##2}\egroup}%
    \def\@@ttrine##1##2{\ifFLA\def\@@ttrnxt{\@@@trine##1\@@{##2}}%
                              \else\def\@@ttrnxt{##1\space\ignorespaces##2}%
                             \fi% fol.hbox to start a new par after 1 line lett.
                        \@@ttrnxt\unskip\par% First \par is for lineno package.
                        \f@par% The second \par ends the \lettrine.
                        \@nobreakfalse}% Allow breaks after that paragraph.
    \def\@@@trine##1##2\@@##3{\@fbr\TeXeverypar{}%
%%% start of automatic font calculation (a piece of code coming from Ronan)
    \ifx\lettrinefontname\undefined\let\auTo@lh\undefined%
                \else\let\auTo@lh\lettrinehang%
                \ifx\auTo@lh\undefined\def\auTo@lh{2}\fi%
                \bgroup%
                \ifx\@htfreq\undefined\newdimen\@htfreq\newdimen\@htfbase\fi%
                \setbox0=\hbox{M}\@htfreq=\ht0%
                \def\dimentocount####1{\expandafter\auTo@gf\the####1}%
                \font\@fontreq=\lettrinefontname%
                \setbox0=\hbox{\@fontreq ##1}\@htfbase=\ht0%
                \advance\@htfreq by \auTo@lh\baselineskip%
                \advance\@htfreq by \lineskip% inapropriate increment
                \advance\@htfreq by -\baselineskip%
                \multiply\@htfreq by 100 % To be more precise
                \multiply\@htfbase by 100 %
                \divide\@htfreq by \dimentocount\@htfbase%\relax
                \multiply\@htfreq by \@m%
\global\font\lettrinefont=\lettrinefontname\space scaled \dimentocount\@htfreq%
                \egroup%
    \fi%
%%% end of automatic font calculation
          \setbox0\hbox{%\fbox is eliminated for that measuring
                        {\shortstack{\bef@let{\lettrinefont##1}\relax%
                         \ifdim\fontdimen\@ne\font>\z@\/\space\fi}}}%
          \@FrDimenH=\ht0\advance\@FrDimenH by\dp0%
          \@FrDimenS=\@FrDimenH\advance\@FrDimenS by\fboxsep%
          \ifdim\baselineskip\superieura0pt%
            \divide\@FrDimenS by\baselineskip%
          \fi\@FrCount=\@FrDimenS%
          \@FrDimen=\baselineskip\multiply\@FrDimen by-\@FrCount%
          \advance\@FrDimen by\@FrDimenH%
```

```
        \ifdim\@FrDimen>0.025\baselineskip \advance\@FrCount by 1\fi%
        \ifx\auTo@lh\undefined\else\@FrCount=\auTo@lh\fi%
        \ifx\lettrinehang\undefined\else\@FrCount=\lettrinehang\fi%
        \@FrDimenI=\wd0%
        \ifdim\fboxrule=\z@\else\advance\@FrDimenI by2\fboxrule%
                              \advance\@FrDimenI by2\fboxsep\fi%
        \@FrDimenS=\fontdimen2\font\advance\@FrDimenI by+3\@FrDimenS%
        \ifdim\fboxrule=\z@\advance\@FrDimenI by-0.30\@FrDimenS\fi%
        \advance\@FrCount by -1%
                \@FrDimen=\@FrCount\baselineskip%
        \advance\@FrCount by 1%
        \ifdim\fboxrule=\z@\else\advance\@FrDimen by -\fboxrule\fi%
        \@FrDimenH=-\dp0% to get baseline alignement
        \setbox0\hbox{\ifdim\fboxrule=\z@\kern-\fboxsep\fi%
                     \fbox{\shortstack{{%
                    \def\@LSG{\f@issue\@fw{-5- %
                             %\@txt@msg{d\'efinition de lettrine incorrecte}%
                                 }}%
                        \let\@RSG=\@LSG\bef@let%
                        \lettrinefont\raise-\@FrDimen\hbox{##1}\relax%
                        \ifdim\fontdimen\@ne\font>\z@\/\space\fi}}}}%
        \box0\@FrDimen=\@FrDimenH%
             \advance\@FrDimenH by-\@FrCount\baselineskip%
             \advance\@FrDimenH by \lineskip% inapropriate action
             \ifdim\fboxrule=\z@\else\advance\@FrDimenH by -\fboxrule\fi%
        \vspace*{\@FrDimenH}% where to write the rest of the line
        \hangindent=\@FrDimenI%
\ifx\lettrinehang\undefined% hangafter change then allowed
        \ifdim\@FrDimen<-0.025\baselineskip% if dp0 > 25/1000 then
              \advance\@FrCount by\@ne% add one more line hangafter
              \divide\@FrDimen by-\baselineskip% and may be it could
              \advance\@FrCount by\@FrDimen% extend past a line.
        \fi%
\fi%
        \ifnum\@FrCount=1\f@issue\@fw{-6- %\@txt@msg{lettrine \`a revoir}%
                                    }\fi%
        \hangafter=-\@FrCount%
        \noindent\kern-2.5\@FrDimenS%
        \def\@temp@{##2}%
        \ifx\empty\@temp@\f@issue\@fw{-7- %
                            %\@txt@msg{lettrine r\'eduite \`a 1 seule lettre}%
                                    }%
                     \else{\scshape ##2}\fi\def\@temp@{##3}%
                        \ifx\@temp@\empty\else\space\ignorespaces##3\fi%
                          }%@@@trine
    \def\@Ettrine[##1 ##2 ##3]##4\par{\bgroup\parskip=0pt% NFSS requires a
                                    {\ly\xdef\bef@ly{\the\font}}% global def!
                                    \let\newpage=\relax%
                                    \edef\bef@fnt{\the\font}\@gN%
                  \ifFLA\def\bef@let{\bef@fnt\def\ly{\bef@ly}##1\space}%
                        \else ##1\space\fi%
                  \@@ttrine{##2}{{\def\@aft@let{##3}\ifx\@aft@let\empty%
                                                  \else##3\space\fi%
                                \ignorespaces ##4}}\egroup}%
\fi% \if@PMF
\def\flettrine{\par%..... \flettrine
               \let\@tempa\relax%
               \def\@tempa{\def\@fbr{}\protect\@lettrineS}%
               \@tempa}%
```

```
\def\@lettrineS{\ifx\@FrDimenH\undefined%
                              \newdimen\@FrDimenH\newdimen\@FrDimenI\fi%
                \ifx\@FrDimenS\undefined\newdimen\@FrDimenS\fi%
                \@ifNextNB[{\@Ettrine}{\@ettrine}%] emacs
               }%
\fi% \lettrine undefined
          }% end of \@FL
%%%%%%%%%%%%%%%%%
%#>
%                   ================================
%                   |         Typography           |
%                   ================================
%
% Let the possibility to turn all off
\def\nonfrench{\ifFrench\@DFP%.....................  \begin & \end{nonfrench}
               \def\@temp@{\@AFP}% \@AFP only for non LaTeX users
               \else\@NoFr\def\@temp@{\relax}\fi%
               \def\endnonfrench{\@temp@\ignorespaces}%
               \ignorespaces}%
%
% Original settings of \dospecials et \@sanitize saved at \begin{document}
% include ! ? ;  : < > ‘ ’  ^ " in dospecials and sanitize:
\def\@dospecialsfrench{\do\‘\do’\@dsversa}%..................\@dospecialsfrench
\def\@dsversa{% specials reduced for versatim envir..........\@dsversa
  \do\ \do\\\do\{\do\}\do\$\do\&\do\#\do\|\do\^^K\do\_\do\^^A\do\%\do\~%$emacs
  \do\!\do\?\do\;\do\:\do\<\do\>\do\^\do\"}%
\def\@sanitizefrench{%.....................................\@sanitizefrench
%     \@makeother\ \@makeother\\\@makeother\$\@makeother\&%$emacs
%     \@makeother\#\@makeother\|\@makeother\^^K\@makeother\_%
%     \@makeother\^^A\@makeother\%\@makeother\~%
     \@saORI% get original \@sanitize and add ours:
     \@makeother\!\@makeother\?\@makeother\;\@makeother\:%
     \@makeother\‘\@makeother’\@makeother\<\@makeother\>%
     \@makeother\^\@makeother\"}%
%
%\@ifNextNB X {YES} {NO}  ... if next char is X then YES else NO ... \@ifNextNB
\def\@ifNextNB#1#2#3{\let\@tempe=#1\def\@tempa{#2}\def\@tempb{#3}\futurelet%
     \@tempc\@Fifnch}%
     \def\@Fifnch{\ifx \@tempc \@tempe\let\@tempd\@tempa% Next char may be an
         \else\let\@tempd\@tempb\fi\@tempd}%            % active space.
%\ifNextNBc X or Y {YES} {NO} ...                                  ... \@ifNextNBc
\def\@ifNextNBc#1#2#3#4{\let\@tempe=#1\let\@tempf=#2%
                        \def\@tempa{#3}\def\@tempb{#4}\futurelet%
     \@tempc\@Fifnchc}%
     \def\@Fifnchc{\ifx\@tempc\@tempf\@tempa\else\@Fifnch\fi}%
%
\def\@skiplastspace{\ifdim\lastskip>\z@\unskip\penalty\@M\fi}%..\@skiplastspace
%
\let\ifFrench\iftrue% temporary setting
\def\@AFP{%.............................. \@AFP = Activate French Punctuation
          \let\dospecials\@dospecialsfrench%
          \let\@sanitize\@sanitizefrench%
          \AFPdp\AFPinfsup}%
\def\AFPdp{\ifFrench\catcode‘\!=\active\catcode‘\?=\active%
              \catcode‘\;=\active\catcode‘\:=\active\fi}%
\let\AFPinfsup\relax%
%#<
\def\AFPinfsup{\ifFrench\ifFG\catcode‘\<=\active\catcode‘\>=\active\fi\fi}%
%#>
```

```
\def\AFPq{\ifFrench\catcode`'=\active\catcode`‘=\active\fi}%
\def\AFPdq{\catcode`"=\active}%
%
\def\@DFP{%..... \@DFP = Desactivate French Punctuation
          \DFPq\DFPinfsup\ifLPA\else\DFPdp%
                                    \let\dospecials\@dsORI%
                                    \let\@sanitize\@saORI\fi}%
\def\DFPq{\ifFrench\catcode`‘=12\catcode`'=12\fi}%
\let\DFPinfsup\relax%
%#<
\def\DFPinfsup{\ifFrench\catcode`<=12\catcode`>=12\fi}%
%#>
\def\DFPdp{\ifFrench\catcode`;=12\catcode`:=12%
                   \catcode`!=12\catcode`?=12\fi}%
\def\DFPdq{\catcode`"=12}%
%#<
% Typographic process of dots  (default is: let dots macros as usual)
%
\let\@doORI\dots\let\@ldoORI\ldots%
\def\TeXdots{\@noBDfr%
             \ifFTY\let\dots\@doORI\let\ldots\@ldoORI\fi}%.............\TeXdots
\def\noTeXdots{\@noBDfr%
               \ifFTY\def\dots{...}\def\ldots{...}\fi}%.............  \noTeXdots
%
% i dotless (for those who haven't a good text editor)
%
\let\@hatORI\^\let\@treORI\"%
\def\idotless{\@noBDfr%
              \ifFTY%.................................................  \idotless
                    \def\^##1{{\expandafter\@hatORI\ifx ##1i\i\else##1\fi}}%
                    \def\"##1{{\expandafter\@treORI\ifx ##1i\i\else##1\fi}}%
              \fi}%
\def\iwithdot{\@noBDfr%
              \let\^\@hatORI\let\"\@treORI}%.....(no MlTeX command).  \iwithdot
%#>
% Typographic process of double punctuation:
%
\let\ifLPA\iffalse% \ifLPA must be initiated.
\let\ifFG\iffalse% \ifFG must be initiated.
\def\@tempa#1{\f@issue%
              \@fw{-13- %\@txt@msg{le caract\‘ere "#1" est d\'ej\‘a actif}%
                  }[#1]%
              \let\@tempb\next\let\@tempc\empty}% warning message
\let\@tempb\empty%
\AFPdp% activate first part
\let\ifWTS\iffalse% set wrong typed spaces to false
\def\@WTS{\relax\ifmmode\else\ifhmode% skip wrong typed space
                                    \ifdim\lastskip>\z@\unskip\fi%
                        \fi\fi}%
% Add a thin space before punctuation ; : and ! in place of a space
\def\@tempc{%
\def;{\ifFTY\protect\@PV%{}%..................................................... ";"
       \else\ifWTS\@WTS\fi\string;\fi}%
           }%
\def\@tempd{\@tempa{\string;}}%
\ifx;\undefined\def\@tempd{}\fi\@tempd\@tempc%
\def\@PV{\relax\ifmmode\string;\else%
                              \ifhmode\ifUSP\unskip\space\fi%
                              \ifdim\lastskip>\z@\unskip\penalty\@M\,\fi%
```

```
                        \fi\string;\fi}%
\def\@tempc{%
\def:{\ifFTY\protect\@DP%{}%..................................... ":"
       \else\ifWTS\@WTS\fi\string:\fi}%
           }%
\def\@tempd{\@tempa{\string:}}%
\ifx:\undefined\def\@tempd{}\fi\@tempd\@tempc%
\@ifundefined{@beginparpenalty}{\def\@beginparpenalty=#1{\penalty#1}}{}%
\def\@DP{\relax\ifmmode\string:\else%
                             \ifhmode\ifUSP\unskip\space\fi%
                                   \ifdim\lastskip>\z@\unskip\penalty\@M\,\fi%
                             \fi%
                        \string:%
         \@beginparpenalty=\@M\relax% Page break forbidden after ":"
         \fi}%             % but remains not perfect...
% Stuff for \WindowsUnits
\def\@wu#1{\@@wu#1,\void}%
\def\@@wu#1,#2{\ifx#1\empty\else\@@@wu #1\fi%
      \def\@tempa{\@@wu#2}%
             \ifx#2\void\else\expandafter\@tempa\fi%
            }%
\def\@@@wu#1=#2{\expandafter\edef\csname #1\endcsname:{#2\string:}}%
% \hhline modification should be removed if the version
% [1997/11/24 v3.x beta] is generally in use (and distributed).
\ifx\hhline\undefined\else\let\@hhlORI\hhline%..................... \hhline
                        \def\hhline{\omit\ifFrench\let:\@cidp\fi%
                                    \expandafter\@gobble\@hhlORI}%
\fi%
\def\@tempc{%
\def!{\ifFTY\protect\@PE%{}%..................................... "!"
       \else\ifWTS\@WTS\fi\string!\fi}%
           }%
\def\@tempd{\@tempa{\string!}}%
\ifx!\undefined\def\@tempd{}\fi\@tempd\@tempc%
\def\@PE{\ifmmode\string!\else%
                             \ifhmode\ifUSP\unskip\space\fi%
                                \ifdim\lastskip>\z@\unskip\penalty\@M\,\fi%
                             \fi%
                             \string!\fi}%
\def\@tempc{%
\def?{\ifFTY\protect\@PI%{}%..................................... "?"
       \else\ifWTS\@WTS\fi\string?\fi}%
           }%
\def\@tempd{\@tempa{\string?}}%
\ifx?\undefined\def\@tempd{}\fi\@tempd\@tempc%
\def\@PI{\relax\ifmmode\string?\else%
                           \ifhmode\ifUSP\unskip\space\fi%
                              \ifdim\lastskip>\z@\unskip\penalty\@M%
                              \hskip +0.09em plus 0.07667em%max glue accepted
                              \fi%
                           \fi%
                           \string?\fi}%
\ifx\@tempb\next\let\AFPdp\empty\f@issue%
                \@fw{-13b- %
                \@txt@msg{la double ponctuation est alors d\'esactiv\'ee}}\fi%
\let\ifLPA\ErrFrench% \ifLPA restored.
\let\ifFG\ErrFrench% \ifFG restored.
\let\@aORI\@array% ................................... \@array for \array
\def\@array{}% default noop, further defined.
```

```
% 2e float placement correction
\DFPdp\AFPdp% normally a noop but in case of warning...
\ifx\AFPdp\empty\else% only for activated exclamation mark
\def\@array{\let\noexpand\@tempa=\noexpand!%
              \def\noexpand!{\noexpand\string\noexpand!}%
               \edef\noexpand\@tempb{##1}% asis substitution
                \let\noexpand!=\noexpand\@tempa}%
\fi%
\catcode`<=13\catcode`>=13% temporary activation
\let\ifArG\iftrue% by now assume guillemets are available in arrays.
\edef\@array[#1]{\edef\noexpand\@tempb{#1}% default substitution
                  \noexpand\ifArG\noexpand\else%
                   \noexpand\ifnum\catcode`\noexpand<=\active%
                    \noexpand\ifmmode\let\noexpand<\noexpand\inferieura%
                                     \let\noexpand>\noexpand\superieura%
                   \noexpand\fi\noexpand\fi\@array%
                  \noexpand\fi%
                  \noexpand\@aORI[{\noexpand\@tempb}]}%
\let\@eaORI\eqnarray% ..................................... \eqnarray
\def\eqnarray{\ifArG\else\ifnum\catcode`<=\active%
                           \let<\inferieura\let>\superieura%
              \fi\fi\@eaORI}%
\ifx\@@array\undefined\else% When array package loaded we must ..... \@@array
 \let\@@aORI\@@array% protect it too
\def\@@array{\ifArG\else\ifnum\catcode`<=\active%
                           \let<\inferieura\let>\superieura%
             \fi\fi\@@aORI}% as for eqnarray (and standard array).
\fi%
\catcode`<=12\catcode`>=12%
\DFPdp% desactivate first part
\let\@CGroup\relax\let\@@FG\relax% Should be relax for french light.
\let\@LG\relax%
%#<
% Process of guillemets (typed << and >>)%......................... Guillemets
%
% here is the oldest way to def. guillemets (still useful with plain}
\def\@og{\leavevmode\ifdim\lastskip>\z@\unskip%
                            \penalty-9\hskip0.35em minus 0.35em\fi%
          \raise0.27ex\hbox{$\scriptscriptstyle\ll$}\,\nobreak\ignorespaces}%
\def\@cg{\@skiplastspace\nobreak\,\leavevmode\raise0.27ex%
          \hbox{$\scriptscriptstyle\gg$}}%
\let\ifFG\iftrue% set the default
\AFPinfsup% activate for guillemets
% special definition for \lettrine and \flettrine:
\def\@gN{\def<##1{\ifx ##1<\leftguillemets\else\@LSG##1\fi}%
         \def>##1{\ifx ##1>\rightguillemets\else\@RSG##1\fi}}%
\let\@oldog\<\let\@oldcg\>% let it run if previously defined
\def\@ogx<{\ifFTY\@og\else\@DOG\fi}%
\def\@cgx>{\ifFTY\@cg\else\@DFG\fi}%
% Guillemets must not be typed \<< and \>>, the following is for compatibility
%\def\<{\@ifNextNB<{\@ogx}{\@oldog}}%
%\def\>{\@ifNextNB>{\@cgx}{\@oldcg}}%
%
%\def<{\ifnum\catcode`< =\active% look at \normalbrackets.................. "<<
%      \expandafter\@genGL\else\@LSG\fi}% \EBCDICbrackets are different
\def\@@LFG{\ifFTY\ifmmode\protect\@LSG\else%
                           \ifIEB\@SOC\else\@LSG\fi% EBCDICbracket
                  \fi%
             \else\@LSG\fi}%
```

```
\global\let\ifCG\iftrue%
\let\inside@an@expand\empty% Stuff to expand in an usual \edef.
\def\if@mid@expandable#1#2{\let\inside@an@expand\relax\relax%
                           \ifx\inside@an@expand\relax%
                                \let\inside@an@expand\empty%
                                \expandafter#2%
                           \else\expandafter#1%
                           \fi}%
% A command to avoid wrong crash when expanding a macro which is not
% fully expandable; usage: \edef\XX{\stop@mid@expandable}\XX
\def\stop@mid@expandable{\if@mid@expandable{%
                          \errmessage{This macro is not expandable, please %
                                      \string\protect \space it.}\stop}{}%
                         }%
%%%\def\@LG{\relax\ifFTY\ifmmode\@DOG\else\@@@OG\fi\else\@DOG\fi}%
\def\@LG{\relax\if@mid@expandable{\@@@LG}{\@@LG}}%
\def\@@LG{\ifFTY\ifmmode\@DOG\else\@@@OG\fi\else\@DOG\fi}%
\def\@@@LG{\relax\noexpand <<\relax}
\def\@SifDOGon{\global\let\ifDOG\iftrue}% set scnd level of guillemets flag
\def\@SifDOGoff{\global\let\ifDOG\iffalse}\@SifDOGoff% now set it off
\def\@@@OG{\ifCG\ifFLA\ifEPG\else% now be tolerant... in noeverypar
       \hbadness=10000% all this stuff is really dirty !
       \ifhmode\newline\fi% We force newline if any stuff already typeset.
       \bgroup\def\par{}%
       \@FrDimen=\textwidth% line size on mono-column
                 \if@twocolumn\tolerance=5000\pretolerance=5000%
                              \advance\@FrDimen by -\columnsep%
                              \divide\@FrDimen by 2\fi% for two-column
       \@ifundefined{@inAlist}{}{% revisite box size in a list environment
       \advance\@FrDimen by -\leftmargin\advance\@FrDimen by -\rightmargin%
       \advance\@FrDimen by -\listparindent\hsize=\@FrDimen}%
       \@qquotes\fi\fi\fi%
     \@oguills%
       \ifFLA\ifEPG\bgroup\def\@currenvir{guillemets}% simulate an environment
                 \let\@CGroup\egroup\fi\fi%  for error processing
       \ifCG\ifFLA\ifEPG% save the current \everypar and apply it first
                 \xdef\@epORI{{\the\TeXeverypar}}%
                 \TeXeverypar={\@epORI% Original \everypar.
                               \ifEPGR\else% If not allready done,
                               \@oguills% insert guillemets and
                               \@ifundefined{@OuvOpen}{% then according
                               \,% kerning just after.
                                                       }{}%
                               \fi}%
            \fi\fi%
       \else\@SifDOGon\@AG% ancient guillemets featuring
       \ifFLA\ifEPG\else\def\@qqguill{\@oguills}\@staring\fi\fi\fi%
%%%       \protect\@CGfalse%
       \global\let\ifCG\iffalse%
       \ifUSP\kern+0.13em\penalty\@M\ignorespaces%
             \else\kern-0.19em\relax\penalty\@M\fi}%likely as \ignorespaces\fi
\def\@AG{\ifAG\let\@LP\@RP\let\@gotl\@gotr%
         \fi}% Apply ancient guillemets if required
\def\f@guillemets{<<}%
\def\@oguills{%
     \bgroup\@ifundefined{@OuvOpen}{\def\@OuvOpen{}% avoid duplicate <<
     \@ifundefined{ly}{\@og}%
          {\leavevmode\ifECM\hbox{{\ifGIAF\else\@gfnt\fi%
                                   \ifx\@gotl\undefined\char\rq\@LP%
```

```
                                    \else\@gotl\fi\kern+0.20em}}%
                        \else\hbox{{\ly\@LP\kern-0.20em\@LP\kern+0.20em}}\fi%
            \nobreak}}{}\egroup}%
%\def>{\ifnum\catcode`> =\active% look at \normalbrackets..... ">>"
%      \expandafter\@genGR\else\@RSG\fi}% \EBCDICbrackets are different
\def\@@RFG{\ifFTY\ifmmode\protect\@RSG\else%
                            \ifIEB\@SFC\else\@RSG\fi% EBCDICbracket
                  \fi%%
            \else\@RSG\fi}%
\def\@SifFTY{\let\ifFTY\iffalse}% to turn of FTY temporary
%%%\def\@RG{\relax\ifmmode\@SifFTY\fi\ifFTY\@@FG\else\@DFG\fi}%
\def\@RG{\relax\if@mid@expandable{\@@@RG}{\@@RG}}%
\def\@@RG{\ifmmode\@SifFTY\fi\ifFTY\@@FG\else\@DFG\fi}%
\def\@@@RG{\relax\noexpand >>\relax}
\def\endf@guillemets{>>}%
\ifx\RIfM@\undefined\else% For AmSTeX we force \nofrenchguillemets.
  \edef\@emORI{\the\everymath\relax}% Save original \everymath.
  \edef\@edORI{\the\everydisplay\relax}% Save original \everydisplay.
  \f@issue\@fW{^^J -18- %
    %\@txt@msg{\frenchname.sty force l'option }% New definition takes care
    %\@txt@msg{\string\nofrenchguillemets\space en maths avec AmSLaTeX.}%
               }% that \nofrenchguillemets may
           % be still undefined; expansion differed.
           \everymath={\csname nofrenchguillemets\endcsname\@emORI}%
           \everydisplay={\csname nofrenchguillemets\endcsname\@edORI}%
\fi%
\DFPinfsup% desactivate for guillemets
% The grammar environnement from syntax package..................... \grammar
\ifx\grammar\undefined% can't use French guillemets.
 \else\let\@grORI\grammar\def\grammar{\nofrenchguillemets\@grORI}%
\fi%

\def\@@FG{\ifCG\f@issue%
                \@fw{-14- %\@txt@msg{fermeture de guillemets non ouverts}%
                    }\fi%
          \ifUSP\unskip\kern+0.13em\else%
                 \ifdim\lastskip>\z@\unskip% skip previous space
                            \penalty\@M% don't break here
                            \space% better than \kern
                            \penalty\@M%
                 \fi%
                 \kern-0.19em%
          \fi%
      \xdef\@tempd{\@currenvir}\def\@tempe{guillemets}%
     \ifx\@tempd\@tempe%
                \@CGroup\@fguills% end group if any and put closing guillemets
     \else\ifEPG%
                \@fguills% typeset but no real closing (see \@@@FG)
                \def\@CGroup{\egroup\@gobble}% warning until \endguillemets:
           \ifFLA% Message issued only when french layout is active.
                \f@issue%
                \@fw{-49- %\@txt@msg{fermeture pr\'ematur\'ee de guillemets}%
                    }%
           \fi%
          \else\@CGroup\@fguills%
          \fi%
     \fi%
%    \edef\@currenvir{\@tempd}% generates error instead of just a warning.
     \ifDOG\ifFLA\ifEPG\else\@fniv2\fi\fi%
```

```
          \@SifDOGoff\else\@@@FG\fi% reset secnd and first level
% following code would be fine but doesn't run:
%     \@ifNextNB\space{\penalty-\@highpenalty}{}% allow break if space after
         }%
\let\guillemets\@LG%.............................  \begin & \end guillemets
\def\RG@{\ifFTY\ifCG% could be still closed in a prev. envir
               \else\@RG% Assume first closing >> and print it
              \fi%
              \@CGroup\@@@FG\relax\fi}% end second level >>
\let\endguillemets\RG@%
\def\@@@FG{\ifFLA\ifEPG\ifx\@epORI\undefined\else% \everypar is  restored
                         \expandafter\TeXeverypar=\@epORI\fi%
                       \xdef\@epORI{{}}% any way \xdef can be cleared
                       \else\@staring\@stared\egroup\fi\fi%
          \global\let\ifCG\iftrue\let\@CGroup\relax}%
\def\@fguills{\@ifundefined{ly}{\@cg}%  ECM
       {\nobreak\leavevmode\ifECM\hbox{{\ifGIAF\else\@gfnt\fi\kern+0.20em%
                                       \ifx\@gotr\undefined\char\rq\@RP%
                                       \else\@gotr\fi}}%
                      \else\hbox{{\ly\kern+0.20em\@RP\kern-0.20em\@RP}}\fi}%
\ifGIAF\else\ifdim\fontdimen\@ne\font>\z@\/\fi\fi%italic correction simulated
            }%
%#>
\def\@normalrq{\relax\ifmmode^\prime\else\@frq\fi}%
\def\@frq{{\catcode`'=12{\ifNEQ\ifECM\char\rq001%
                               \else\char\rq023\hbox{}\fi%
                         \else\string'\fi}}}%
\AFPq% activate quoting
\def`{\protect\@PLQ}%.................................................. "``"
      \let\@PLQ@\lq%
      \def\@PLQ{\ifmmode\string`\let\@PLQ@\relax%
                \else\ifNED\let\@PLQ@\@PLQn\fi% may start a par.
                     \ifhmode\let\@PLQ@\@PLQn\fi%
                \fi\@PLQ@}%
      \def\@PLQn{\@ifNextNB`{\protect\@OQ}%
                        {\ifNEQ\ifECM\char\rq000\hbox{}%
                                \else\char\rq022\hbox{}\fi%
                         \else\string`\fi}%
                }%
      \def\@OQ`{\ifNED\protect\@LG\else\string``\fi}%
\def'{\protect\@PRQ}%.................................................. "''"
       \let\@PRQ@\rq% set the default
       \def\@PRQ{\ifmmode\let\@PRQ@\@SRQ@%
                 \else\ifhmode\let\@PRQ@\@PRQn\fi%
                 \fi\@PRQ@}%
       \def\@@FGp'{\@@FG}%
       \def\@PRQn{\let\@PRQ@\rq% reset the default
                  \@ifNextNB'{\ifNED\let\@PRQn@\@@FGp%
                              \else\let\@PRQn@\relax\string'\fi\@PRQn@}%
                             {\protect\@normalrq}}%
%
% SUBOPTIONS definitions..................................... SUBOPTIONS
\let\ifNED\iffalse% False for french light.
\let\ifNEQ\iffalse% False for french light.
%#<
\def\noenglishdoublequotes{\@noBDfr%
                           \AFPq\let\ifNED\iftrue%..... \noenglishdoublequotes
                           \ifFrench\let\@cilq='\fi}%
\def\noenglishquote{\@noBDfr%
```

```
                    \AFPq\let\ifNEQ\iftrue%.................. \noenglishquote
                    \ifFrench\let\@cilq=’\fi}%
%#>
\DFPq% disactivate quoting
\def\untypedspaces{\@noBDfr%
                   \let\ifUSP\iftrue}%.......................  \untypedspaces
\def\typedspaces{\@noBDfr%
                  \let\ifUSP\iffalse}%.......................... \typedspaces
\let\if@labelsinmargin\iffalse% Should be false for french light.
%#<
\def\englishdoublequotes{\@noBDfr%
                         \let\ifNED\iffalse%.............. \englishdoublequotes
                         \DFPq\ifFrench\let\@cilq=’\fi}%
\def\englishquote{\@noBDfr%
                  \let\ifNEQ\iffalse\DFPq%..................... \englishquote
                  \ifFrench\let\@cilq=’\fi}%
\def\labelsinmargin{\@noBDfr%
                    \let\if@labelsinmargin\iftrue}%............ \labelsinmargin
\def\nolabelsinmargin{\@noBDfr%
                      \let\if@labelsinmargin\iffalse}%........\nolabelsinmargin
\def\letpunctuationactivefor{\@noBDfr%
                             %....................... \letpunctuationactivefor
                             \global\let\ifLPA\iftrue%
 \def\wrongtypedspaces{\@noBDfr%
                       \global\let\ifWTS\iftrue}%.............\wrongtypedspaces
                           }%
\def\wrongtypedspaces{\f@issue\@fw{-17- %
                           %\@txt@msg{\string\wrongtypedspaces\space est }%
                           %\@txt@msg{inop\’erant dans ce contexte}%
                                  }}%
\def\nowrongtypedspaces{\@noBDfr%
                        \global\let\ifWTS\iffalse%......... \nowrongtypedspaces
     \ifLPA\DFPdp% don’t change \dospecials and \@sanitize
     \fi\global\let\ifLPA\iffalse}% it might be dangerous
% With \tabbingaccents you can’t put a diacritic (‘ or ’) on a blank space
% but it’s okay for all accentuated letters. Usefull in full 8bits with
% ECM too! because 8bits chars are firstly converted to 7bits "a la TeX".
\def\tabbingaccents{\@noBDfr%
                    \let\@ifTA\iffalse}%.....................  \tabbingaccents
\def\notabbingaccents{\@noBDfr%
                      \let\@ifTA\iftrue}%..................  \notabbingaccents
\AFPq%
% tabbing environment is modified to be able to put diacritics
\def\@temp@{%
      \def\tabbing{\def\@tempa{\let‘=\lq\let’=\@normalrq}%............ \tabbing
% \noenglishquote and \noenglishdoublequotes will do nothing in \tabbing
                    \ifNED\@tempa\fi\ifNEQ\@tempa\fi%
                    \def\@tempa{\let\@ifTA\iftrue}%
                    \ifFTY\else\expandafter\@tempa\fi%
                    \ifFTY\@ifTA\else%
      \let\@trjORI\@tabrj\let\@tlabORI\@tablab%
      \let\@ORIrj=\‘\let\@ORIlab=\’%
      \def\@@tabrj{\ifcat\@tempc\space\let\@tempa=\@trjORI%
                           \else\let\@tempa=\@ORIrj\fi\@tempa}%
      \def\@@tablab{\ifcat\@tempc\space\let\@tempa=\@tlabORI%
                           \else\let\@tempa=\@ORIlab\fi\@tempa}%
      \def\@tabrj{\futurelet\@tempc\@@tabrj}%
      \def\@tablab{\futurelet\@tempc\@@tablab}%
                    \fi\fi\@tgORI}%
```

```
          }%
\ifx\tabbing\undefined%
     \else\let\@tgORI\tabbing%put diacritics \‘ & \’
          \@temp@% new def apply
\fi%
\DFPq%
\AFPinfsup% activate < and >
\def\EBCDICbrackets{\@noBDfr%
                    \let\ifIEB\iftrue%..... \EBCDICbrackets
                  \ifFG%
                  \def<{\protect\@LFG}%old code generate \ifnum incompatibilty
                  \def\@LFG{\@ifNextNB<{\protect\@OG}{\@@LFG}}%
                  \def\@OG<{\ifnum\catcode‘< =\active\expandafter\@LG%
                            \else\@@LFG\@@LFG\fi}%
                  \def>{\protect\@RFG}%
                  \def\@RFG{\@ifNextNB>{\protect\@FG}{\@@RFG}}%
                  \def\@FG>{\ifnum\catcode‘> =\active\expandafter\@RG%
                            \else\@@RFG\@@RFG\fi}%
                  \fi}%
\long\def\@BracesOrNot[#1]{\ifmmode\@PreserveBraces[#1]%
                           \else\expandafter#1\fi}%
\let\@fobeyspaces\empty%
\long\def\@genG#1#2#3{\@fobeyspaces%
                 \ifx#2#3\expandafter\protect\csname @#1G\endcsname%
                  \else\csname @@#1FG\endcsname\expandafter\@BracesOrNot%
                               \expandafter[\expandafter{%
                               \expandafter#3\expandafter}\expandafter]%
                 \fi}%
\edef\@genGL{\noexpand\@genG{L}\noexpand<}%
\edef\@genGR{\noexpand\@genG{R}\noexpand>}%
% Hacking for blank space after "<" or ">" doesn’t run in any \ifdim x > y
% like in \footnote, so the code is nullified until...
%\def\@bobeyspaces{\obeyspaces%
%                  \def\@fobeyspaces{\catcode‘\ =10\let\@fobeyspaces\relax}}%
\let\@bobeyspaces\empty
\def\normalbrackets{\@noBDfr%
                    \let\ifIEB\iffalse%..... \normalbrackets
                \ifFG%
     \def<{\ifnum\catcode‘< =\active\@bobeyspaces\expandafter\expandafter%
                                \expandafter\@genGL\ifmmode\relax\fi%
           \else\@LSG\fi}%
     \def>{\ifnum\catcode‘> =\active\@bobeyspaces\expandafter\expandafter%
                                \expandafter\@genGR\ifmmode\relax\fi%
           \else\@RSG\fi}%
                \fi}%
\DFPinfsup% desactivate < and >
%#>
\let\ifFG\iffalse% default further choice
%#<
\def\ancientguillemets{\@noBDfr%
                       \let\ifAG\iftrue}%..... \ancientguillemets
\def\todayguillemets{\@noBDfr%
                     \let\ifAG\iffalse}%..... \todayguillemets
\def\guillemetsinarrays{\@noBDfr%
                        \let\ifArG\iftrue}%..... \guillemetsinarrays
\def\noguillemetsinarrays{\@noBDfr%
                          \let\ifArG\iffalse}%..... \noguillemetsinarrays
\def\guillemetsinallfonts{\@noBDfr%
                          \let\ifGIAF\iftrue}%..... \guillemetsinallfonts
```

```
\def\guillemetsinroman{\@noBDfr%
                       \let\ifGIAF\iffalse}%.............. \guillemetsinroman
\def\overfullhboxmark{\@noBDfr%
                      \ifFLA\overfullrule=5pt\fi}%.......... \overfullhboxmark
\def\nooverfullhboxmark{\@noBDfr%
                        \ifFLA\overfullrule=0pt\fi}%....... \nooverfullhboxmark
%#>
\let\ifFrench\iffalse% reset original value
%
% For compatibility with MlTeX docs but unneeded in this style%...\fhyph \ehyph
{\def\@genMLhyph{\@ifundefined{french}{}{\gdef\fhyph{\french}}%
                 \@ifundefined{english}{}{\gdef\ehyph{\english}}}%
\@ifundefined{fhyph}{\@genMLhyph}{}%
}%
%
\gdef\frenchTeXmods{%.....................................\frenchTeXmods
     \global\let\ifFrench\iftrue%
\ifCLA%
     \ifCLAfrench%
     \@AFP% activate French punctuation
     \frenchtypography\frenchtranslation\frenchlayout%
     \fi%
\else%
     \@AFP% activate French punctuation
     \frenchtypography\frenchtranslation\frenchlayout%
\fi%
     \frenchmacros\frenchwarnings%
     \let\@HifORI\@Hif\let\@HfiORI\@Hfi%
     \frenchhyphenation%
     \csname @xtrasfrench\endcsname% from other packages
% (TeX-XeT first direction of writing will be set by the first \everypar)
     \ifx\GOfrench\undefined% When document is really started,
       \csname beginL\endcsname% set TeX--XeT direction of writing.
     \fi%
     \def\languagename{french}% set it for mlp.
     \@ufo%  user options
     \let\switchtolanguage\endfrench%
     \ignorespaces%
                  }%end \frenchTeXmods
% Declare Options, extras and even more extras
\ifx\undefined\babel@core@loaded%
 \edef\extrasfrench{}\def\@xtrasfrench{\extrasfrench}% for other packages.
     \DeclareOption{french}{\def\beginlanguage{%
                                  \ifx\babel@savevariable%selectlanguage
                                    \undefined\french%
                                  \else\endenglish\selectlanguage{french}\fi}%
                            }%
     \DeclareOption{english}{\def\beginlanguage{%
                                  \ifx\babel@savevariable%selectlanguage
                                    \undefined\english%
                                  \else\selectlanguage{english}\fi}%
                             }%
\else\let\extrasfrench\frenchTeXmods%
     \AtBeginDocument{% With babel, at begin document we should
        \def\@tempa{\protect\@LabeL}% test if our label def had
        \ifx\@tempa\label\else% been changed by any package such as hyperref
        \let\@lORI\label\let\label\@tempa\fi% and then reset it.
        \def\@tempa{\protect\atgH{r}}% Same test and action
        \ifx\@tempa\ref\else\@gG{r}{ref}{/}{1}\fi% for \ref.
```

```
                    }%
\fi%
%
\@ifundefined{switchtolanguage}{%
    \def\switchtolanguage#1{#1}}{}%.(style depending)........ \switchtolanguage
\let\@stlORI\switchtolanguage
\def\@DFPtestANDset{% Test if French was activated,
     \ifx\ifFrench\iffalse% if not \ifLPA will make French to crash
      \f@issue\@fw{-71- %
        %\@txt@msg{ATTENTION : }% with message -26*-; better is that message. %
        %\@txt@msg{si babel est utilis\'e, mettre \frenchname\space en option}%
                }%
     \fi%
                   \let\@DFPtestANDset\@DFP%
                   \@DFP}%
\def\endfrench{%........................................... \endfrench
%%% This \endL should be omitted otherwise it will be an extra for eTeX.
%%%     \ifx\undefined\GOfrench% When french document really started,
%%%      \csname endL\endcsname% stop any TeX--XeT french direction of writing.
%%%     \fi%
\ifCLAfrench\else%
     \@DFPtestANDset%
     \nofrenchtypography\nofrenchtranslation\nofrenchlayout%
\fi%
     \nofrenchmacros%
     \nofrenchhyphenation%
     \let\@Hif\@HifORI\let\@Hfi\@HfiORI%
     \let\switchtolanguage\@stlORI%
     \let\ifFrench\iffalse\@stlORI%
     \ignorespaces}% end of \endfrench
\let\noextrasfrench\endfrench%
%#<
\def\frenchtest{\@finput{french.tst}}% The Torture Test ........... \frenchtest
\def\frenchdoc{\@finput{frdoc.tex}}% The Documentation ............. \frenchdoc
%#>
%%%%%%%%%%%%%%%%%
%                  ==============================
%                  |  Language switch mechanism  |
%                  ==============================
%                    based on language.dat file
%
\@ifundefined{englishTeXmods}{\gdef\englishTeXmods{}}{}%....... \englishTeXmods
%
\global\let\@Hif\empty\global\let\@Hfi\empty% dflt \if...\fi hyphenation switch
\global\let\if@FE\iffalse% don't reload hyphenation exception if not required.
\newif\if@more\@moretrue%
\def\@doFh{% define processing for reading language.dat at \begin{document}
\def\f@ERRdat{\f@issue%
              \errmessage{-9- %\@txt@msg{Corrupted/absent language.dat file.}%
                         }\global\let\french\@@end%
             }%
           \bgroup% there is a marmelade here for a temporary usage.
           \let\ORIGfrench\french%
           \newcount\@FrCount%
\def\tl@ng##1{}% no need at this time to test if \<language>TeXmods is defined
\def\@rhef##1/##2 /{\def\@tempa{##2}%reloading of hyphenation exceptions files
           \def\@tempb{##1}% language name
           \def\@tempc{\ifx\space\@tempa\else%
                       \expandafter\gdef\csname ##1@hefn\endcsname{##2\relax}%
```

```
                        \if@FE\expandafter\@@input##2\relax\fi\fi}%
          \ifx\undefined\@excn\@tempc%
           \else\ifx\@tempb\@excn\@tempc\fi\fi}%
\gdef\NouveauLangage[##1]##2{%..... \NouveauLangage[##]{name}
%-- check for an anormal change in language.dat:
    \expandafter\@ifundefined{l@##2}{}% do nothing, unused at initex
    {% First accept babel definitions (\chardef) of languages.
     \chardef\l@no##1\expandafter\if\csname l@##2\endcsname\l@no\else%
     \edef\l@no{##1}\expandafter%
     % Secondly accept our own defs.
    \ifx\csname l@##2\endcsname\l@no% OK
    \else\f@issue\typeout{^^J \frenchname.sty \string: -27- %
        %\@txt@msg{language \l@no\space (##2) was initially }%
        %\@txt@msg{(at initex) numbered \csname l@##2\endcsname\space(ERROR!)}%
                        }[##2]\f@ERRdat%
    \fi\fi}%
%--
          \expandafter\tl@ng\csname##2TeXmods\endcsname%
          \expandafter\gdef\csname##2 \endcsname% The protected language cs.
          {\expandafter\switchtolanguage\csname ##2TeXmods\endcsname%
           \@Hif\language=##1\@Hfi\relax}%
          \expandafter\gdef\csname##2\endcsname% The language cs.
                          {\protect\csname##2 \endcsname}%
                           }%\NouveauLangage
% test if #1 equal ``='' that means same language hyphenation but a dialect.
\edef\@temp@{=}%
\def\@langue##1##2 ##3 ##4/##5{\def\@tempa{=}\def\@tempb{##1}%
    \ifx\@tempa\@tempb%
            \ifnum\@FrCount > 0 \advance\@FrCount by -1\fi%
            \relax% relax Max! Why is it absolutely needed?
            \expandafter\NouveauLangage\expandafter[\the\@FrCount]{##2}%
                    \ifnum\@FrCount \@temp@ 0 \@FrCount= -1\fi%
    \else\edef\@temp@{<}\@l@ngue##1##2 ##3 ##4/{##5}%
    \fi}%
\def\@l@ngue##1 ##2 ##3/##4{\NouveauLangage[##4]{##1}%
%%%\typeout{La langue ##1 est utilis\'ee sous le num\'ero \the\@FrCount}
         %\expandafter\@@input##2\relax%% loading of patterns is done at initex
%%%          \if@FE
             \@rhef##1/##3/% Check if reload of exceptions file is needed.
%%%\fi
                           }% end of \NouveauLangage
%
\let\hyphenation\f@hyphenation% use our new macro.
\openin\@inputcheck = language.dat \def\@tempb{}%
\ifeof\@inputcheck\@Ffnt{language.dat}%
       \ifx\undefined\french % language.dat is absent but \french might be def.
           \else\xdef\@PrevF{\french}%
                \gdef\french{\switchtolanguage\frenchTeXmods\@PrevF}%
                {\@PrevF\f@issue\@fw{-15- %
                    %\@txt@msg{le langage \frenchname\space porte le }%
                    %\@txt@msg{num\'ero \the\language}%
                           }}%
       \fi%
       \ifx\undefined\l@english % any default English language number?
           \def\l@english{0}% set it
       \fi%
       \ifx\undefined\english % check English (fenglish.sty usally loaded)
           \else\xdef\@PrevE{\language=\l@english}%
                \gdef\english{\switchtolanguage\englishTeXmods\@PrevE}%
```

```
                {\@PrevE\f@issue\@fw{-16 %
                          %\@txt@msg{the English language\space is numbered }%
                          %\@txt@msg{\the\language}%
                           }}%
       \fi
\else\@FrCount=-1%
\loop  \endlinechar=-1  \read\@inputcheck to \@lineD  \endlinechar`\^^M%
  \ifx\@lineD\empty  \else \advance\@FrCount by 1%
    \edef\@lineD{\@lineD\space\space/{\the\@FrCount}}%
    \expandafter\@langue\@lineD%
  \fi%
  \ifeof\@inputcheck \@morefalse \fi%
  \if@more\repeat%
\fi\closein\@inputcheck%
\let\hyphenation\@hyphenation% reset original cs.
%
\def\@MLtst{\@ifundefined{fhyph}% if French and \fhyph undef. (no language.dat)
     {\if@PMF\gdef\french{\switchtolanguage\frenchTeXmods}%
          \f@issue%
          \@fw{-19- %
             %\@txt@msg{utilisation du langage interne num\'ero \the\language}%
              }%
          \else\f@issue%
               \typeout{^^J \frenchname.sty: -20b-
                        %\@txt@msg{the French language is undefined  (ERROR!)}%
                       }\f@ERRdat\fi}%
%if \fhyph defined as in MlTeX then :
     {\gdef\french{\switchtolanguage\frenchTeXmods\fhyph}%
      \gdef\english{\switchtolanguage\englishTeXmods\ehyph}%
     }%
           }%@MLtst
\@ifundefined{french}{\@MLtst}{}% French might be still undefined!
\@ifundefined{endenglish}{\global\let\endenglish\french}{}% and \endenglish
\gdef\tl@ng##1{\ifx ##1\relax\f@issue%
                             \@fw{-21- %\@txt@msg{##1 n'est pas d\'efini}%
                                 }[##1]\fi}%
\ifx\ORIGfrench\french\f@ERRdat\fi%
          \egroup% this is the end of the marmelade
          }% end of \@doFh (\GOfrench part 2)
%%%%%%%%%%%%%%%%%% Insure AmSTeX will not be loaded later.
\ifx\vert\undefined\else\let\@bvORI\vert\fi% Already done before macros.
\def\@fwVIIIII{\f@issue%
               \kbtypeout{^^J  -73- %\@txt@msg{ERREUR avec AmSTeX : }%
                 %\@txt@msg{\frenchname.sty a \'et\'e  charg\'e trop t\^ot !}%
                         }\stop}%
\ifx\RIfM@\undefined%
\def\vert{\ifx\RIfM@\undefined\expandafter\@bvORI\else\expandafter%
           \@fwVIIIII\fi}%
\else%
\def\vert{\@bvORI}%
\fi%
%%%%%%%%%%%%%%%%%%
%#<
%                  ==============================
%                  |       Macros for help       |
%                  ==============================
%
% Abbreviations
\def\@abbf[#1]{\def\abbrevfilename{#1}}%
```

```
\AFPdq% Activate " char for the following coding
\def\abbreviations{\if@PMF\else\AFPdq\fi%..................  \abbreviations
                   \@abbdefs\let\@abbdefs\relax%
                   \@ifNextNB[%] emacs
                   {\@abbf}{\@abbf[frabbrev.tex]}}%
% The following lines are excluded from high speed \if...\fi scan
\def\f@protect{\ifx\protect\@typeset@protect%
                \else\f@x@protect\fi}%
\def\f@x@protect\fi#1{\fi\protect"}%
\def\@eatprotect#1\protect#2\@nil{#1}%
\if@PMF\let\f@protect\undefined\let\f@x@protect\undefined%
       \let\@eatprotect\undefined%
\fi% \if@PMF
\def\@abbdefs{% the needed defs for abbrevs
   \def\ABBfound{\global\let\ifABBfound\iftrue}%
   \let\ifABBfound\iffalse%
   \def\@abbrev##1##2 ##3##4 ##5/{%
                       \let\ifFMA\iftrue% allways true here
                       \edef\@tempa{##1##2}%
                       \ifx##3*\edef\@tempb{##4}\edef\@tempc{##4s}%
                        \else\edef\@tempb{##3##4}\edef\@tempc{}%
                       \fi%
                       \ifx\@tempa\@tempb##5\ABBfound%
                        \else\ifx\@tempc\empty%
                              \else\ifx\@tempa\@tempc##5\ABBfound\fi%
                             \fi%
                       \fi%
                       \ifABBfound%
                        \else\edef\@tempa{##2}\edef\@tempb{##4}%
                              \ifx\@tempa\@tempb##5\ABBfound%
                               \else\ifx\@tempc\empty%
                                     \else\ifx\@tempa\@tempc##5\ABBfound\fi%
                                    \fi%
                              \fi%
                       \fi}%
   \def\@openabbrev##1{\openin\@inputcheck=##1 %
                       \ifeof\@inputcheck\@Ffnt{##1}\fi}%
   \def"{\f@protect\AbbrevName}%".................................... "xx"
   \def\AbbrevName##1"{\def\@tempa{##1}\ifx\@tempa\space``\space''%
                                      \else\@@bbrev##1"\fi}%
   \def\@@bbrev##1{\expandafter\@@@bbrev\@eatprotect##1\protect\@nil}%
   \def\@@@bbrev##1"{\begingroup%
                     \def\ABBMfalse{\global\let\ifABBM\iffalse}%
                     \let\ifABBM\iftrue\global\let\ifABBfound\iffalse%
                     \@openabbrev{\abbrevfilename}%
   \ifeof\@inputcheck\else%
   \loop\endlinechar=-1\read\@inputcheck to \@lineD\endlinechar`\^^M%
     \ifx\@lineD\empty%
        \else\edef\@lineD{##1 \@lineD/}\expandafter\@abbrev\@lineD\fi%
     \ifABBfound\ABBMfalse\fi%
     \ifeof\@inputcheck \ABBMfalse\ifABBfound\else%
       \f@issue%
       \@fw{-22- %
            %\@txt@msg{abr\'eviation de \string"##1\string" non trouv\'ee}%
           }[##1]%
     \fi\fi%
     \ifABBM\repeat%
   \fi\closein\@inputcheck%
   \ifABBfound\else``##1''\fi\endgroup}%
```

```
            }% end of \@abbdefs
\if@PMF\let\@abbdefs\relax\fi% No need with PMF.
\DFPdq% Deactivate " char
\def\noabbreviations{\if@PMF\else\DFPdq\fi}%.................  \noabbreviations
% Save original macros if they exist before the French option loading
   \let\@atORI\at%
%  \let\@bvORI\vert% Already done before macros.
   \let\@bsORI\backslash%
\catcode`\/=0{\catcode`/\=12%
/gdef/@boiORI{{/protect/string\}}}%}emacs+TeX
/catcode`/\=0\catcode`\/=12%
   \let\@boi\textbackslash% Should be ok with hyperref
   \let\@chapORI\chap%
   \let\@tildeORI\tilde%
   \let\@etcORI\etc%
   \let\@numORI\numero%
   \let\@numsORI\numeros%
   \let\@NumORI\Numero%
   \let\@NumsORI\Numeros%
   \let\@degreORI\degre%
   \let\@degresORI\degres%
   \let\@iemeORI\ieme%
   \let\@iemesORI\iemes%
   \let\@ierORI\ier%
   \let\@iersORI\iers%
   \let\@iereORI\iere%
   \let\@ieresORI\ieres%
   \let\@fscORI\fsc%
   \let\@lscORI\lsc%
   \let\@ntsORI\!%
   \let\@hntscORI\halfnegthinspace%
\def\@ifm{%\noabbreviations% this is the default
% original commands would be better preceeded by \expandafter
   \def\at{\ifFMA\string @\else\@atORI\fi}%         at char .............  \at
\ifx\RIfM@\undefined%
   \def\vert{\ifx\RIfM@\undefined%
               \ifmmode\expandafter\@bvORI%
               \else\ifFMA\string |\else\@bvORI\fi\fi%
             \else\expandafter\@fwVIIIII%
             \fi}%
\else%
   \def\vert{\ifmmode\expandafter\@bvORI%        |       ..............  \vert
               \else\ifFMA\string |\else\@bvORI\fi\fi}%
\fi%
   \def\backslash{\ifmmode\@bsORI%(barre oblique inversee)  ........ \backslash
                \else\ifFMA%
                      \protect\@boi%
                     \else\@bsORI%
                     \fi%
                \fi}%
   \def\chap{\ifFMA\string ^\else\@chapORI\fi}%     hat char ...........  \chap
   \def\tilde{\relax\ifFMA\ifmmode\expandafter%     tilde char.......... \tilde
                        \expandafter\expandafter\@tildeORI%
                  \else\string~\fi\else\expandafter\@tildeORI\fi}%
   \def\@Fsp##1{\ifFMA\ifmmode^{\mathrm{##1}}%
                       \else$^{\mathrm{##1}}$\fi%
               \else##1\fi}%
   \def\@umer##1{\protect\@Fsp{##1}\kern.2em\ignorespaces}%
   \long\def\etc{\def\@tempa{}%                      etc. ................ \etc
```

```
                \ifFMA%
                 \ifhmode\ifUSP\unskip\space\fi%
                         \ifdim\lastskip>\z@\unskip\penalty\@M~\fi%
                 \fi%
                 etc\def\@tempa{\@ifNextNB.{}{%
                               \@fw{-60- %
                             %\@txt@msg{point manquant apr\‘es \string\etc}%
                                  }}}%
                \else\@etcORI%
                \fi\@tempa}%
\let\nombre\undefined% To avoid redefinition info message of LaTeX.
\DeclareRobustCommand*{\nombre}% ..................................  \nombre
             {\ifFMA\expandafter\@nombre% This control command designed
               \else\expandafter\@nomORI% to typeset french numbers
              \fi}% with correct spacing like in 123 456,789 012.
   \def\numero{\ifFMA n\@umer{o}\else\@numORI\fi}%    n^o  ........... \numero
   \def\Numero{\ifFMA N\@umer{o}\else\@NumORI\fi}%    N^o  ........... \Numero
   \def\numeros{\ifFMA n\@umer{os}\else\@numsORI\fi}% n^os ........... \numeros
   \def\Numeros{\ifFMA N\@umer{os}\else\@NumsORI\fi}% N^os ........... \Numeros
   \def\degre{\ifFMA\r{}\space%                      degree  char....... \degre
            \else\expandafter\@degreORI\fi}%
   \def\degres{\ifFMA\@Fsp{o}\else\@degresORI\fi}%    degrees sign..... \degres
   \def\leftguillemets{\@noBDfr%
                       \ifFMA\@oguills%          <<  char...\leftguillemets
                             \else<<\fi}%
   \def\rightguillemets{\@noBDfr%
                        \ifFMA\@fguills%         >>  char..\rightguillemets
                             \else>>\fi}%
   \def\fup{\@noBDfr\ifFTY%.............................................. \fup
                     \expandafter\@fup\fi}\MakeRobustCommand{fup}%
   \def\@fup{\@ifstar{\csname\string\!\endcsname\@@fup}{\@@fup}}%
   \def\@@fup##1{\def\@tempa{\leavevmode\raise+0.80ex%
                             \hbox{\protect\sm@llerthree%
                             \MakeLowercase{##1}}%
                             \@ifNextNB\bgroup{\@@@fup}{\kern+.17em}}%
                \ifFMA\expandafter\@tempa\else##1\fi%
               }%
   \def\@@@fup##1{\ifx\empty##1\else\kern+.17em{##1}\fi}%
%  \def\ieme{\ifFMA\protect\fup{e}\else\@iemeORI\fi}%
%  \def\iemes{\ifFMA\protect\fup{es}\else\@iemesORI\fi}%
   \def\@tgifFMA##1##2{\ifFMA\expandafter\protect\expandafter##1%
                       \else\expandafter\protect\expandafter##2\fi%
                      }%
   \def\ieme{\@tgifFMA\@Ieme\@iemeORI}%..............  ieme  sign..... \ieme
   \def\@Ieme{\@ifstar{\@ieme}{\@@eme}}%
   \def\@ieme{\fup*{e}}%
   \def\@@eme{\fup{e}}\MakeRobustCommand{ieme}%
   \def\iemes{\@tgifFMA\@Iemes\@iemesORI}%............  iemes  sign..... \iemes
   \def\@Iemes{\@ifstar{\@iemes}{\@@emes}}%
   \def\@iemes{\fup*{es}}\MakeRobustCommand{iemes}%
   \def\@@emes{\fup{es}}%
   \def\ier{\@tgifFMA\@ier\@ierORI}%.................  ier    sign..... \ier
   \def\@ier{\fup*{er}}\MakeRobustCommand{ier}%
   \def\iers{\@tgifFMA\@iers\@iersORI}%...............  iers   sign..... \iers
   \def\iers{\fup*{ers}}\MakeRobustCommand{iers}%
   \def\iere{\@tgifFMA\@iere\@iereORI}%...............  iere   sign..... \iere
   \def\iere{\fup*{re}}\MakeRobustCommand{iere}%
   \def\ieres{\@tgifFMA\@ieres\@ieresORI}%............  ieres  sign..... \ieres
   \def\@ieres{\fup*{res}}\MakeRobustCommand{ieres}%
```

```
   \def\fsc{\@noBDfr\Fsc@@}%..................... small caps for names \fsc
   \MakeRobustCommand{fsc}%
   \def\Fsc@@{\@ifNextNB*{\let\Fsc@F\@sc@F\FSC@}{\let\Fsc@F\relax\FSC@*}}%
   \def\@sc@F{\rmfamily\mdseries}% The star option forces cmr and m font.
   \def\FSC@*##1{\fsc@##1\@@}%
% Still bugged bec \fsc{{{...}}} generates a wrong output
   \def\fsc@##1##2\@@{\ifFMA\leavevmode{\ifECM\Fsc@F\else\@sc@F\fi%
                                \textsc{%
                           \@uchbox{\let\protect\@empty%
                                    \let\@typeset@protect\@empty%
                                    \let\@changed@x\@changed@x@mouth%
                                    \if\relax\noexpand##1\fsc@@@##1##2\@@%
                                     \else\edef\@tempa{##1}%
                                          \expandafter\fsc@@\@tempa##2\@@%
                                    \fi}}}%
                      \else\@fscORI##1\fi}%
   \def\fsc@@##1##2\@@{\MakeUppercase{##1}\lsc@*{##2}}%remove surrounding {}
   \def\fsc@@@##1##2##3\@@{\MakeUppercase{##1{##2}}\lsc@*{##3}}%
%
   \def\lsc{\@noBDfr\Lsc@@}%.............. allways lower case small caps \lsc
   \MakeRobustCommand{lsc}%
   \def\Lsc@@{\@ifNextNB*{\let\Fsc@F\@sc@F\lsc@}{\let\Fsc@F\relax\lsc@*}}%
   \def\lsc@*##1{\ifFMA\leavevmode{\ifECM\Fsc@F\else\@sc@F\fi%
                                   \textsc{\@uchbox{\MakeLowercase{##1}}}}}%
                \else\@lscORI##1\fi}%
%.....................................  \primo  \secundo  \tertio  \quarto%
%(((((.................................  \primo) \secundo) \tertio) \quarto)
   \def\@FE{\@noBDfr%( emacs
            \@ifNextNB){\@@FPE}{\@@FE}}%
   \def\@@FE{\the\@FrCount$^{\mathrm o}$\kern+.29em}%
%   \def%( emacs
%        \@@FPE){\the\@FrCount\kern-.25em\lower.2ex\hbox{\degre}%
%                \kern-.55em%(emacs
%                           )\kern+.3em}%
   \def%( emacs
        \@@FPE){\setbox0=\hbox{\degre}\@FrDimen=\wd0\multiply\@FrDimen by 10%
                \divide\@FrDimen by 45\leavevmode%
                \the\@FrCount\kern-\@FrDimen%
                \setbox0=\hbox{\the\@FrCount}\@tempdima=\ht0%
                \setbox0=\hbox{\degre}\@tempdimb=\ht0%
                \advance\@tempdimb by -\@tempdima%
                \lower\@tempdimb\hbox{\degre}%
                \multiply\@FrDimen by 45%
\divide\@FrDimen by 20%
                \kern-\@FrDimen%(emacs
                )\kern+.3em}%
   \def\quando=##1{\@FrCount=##1\@FE}%(emacs.........  \quando=n or \quando=n)
   \MakeRobustCommand{quando}%
   \def\primo{\@FrCount=1\@FE}%
   \def\secundo{\@FrCount=2\@FE}%
   \def\tertio{\@FrCount=3\@FE}%
   \def\quarto{\@FrCount=4\@FE}%
\def\frenchalias##1##2{%..................................... \frenchalias
   \ifx##1\undefined\let##1 ##2\relax%
          \else\f@issue%
               \@fw{-1- %\@txt@msg{la macro \string##1 existe d\'ej\`a}%
                   }[\string##1]%
               \expandafter\stop%
   \fi}%
```

```
%
% (Leslie says:  "... counters are referencable, footnote counters are not.")
% Now we do. A facility to be added in future LaTeX releases I hope.
\@ifundefined{refmark}% stands for \footnotemark[\ref{...}] .......... \refmark
            {\def\refmark##1{\@noBDfr%
                             \ifFTY\ifhmode% unskip last space
                                   \ifdim\lastskip>\z@\unskip\fi\fi\fi%
                             \hbox{% following patch due to NFSS2:
%%%\ifx\DeclareFontShape\undefined\else\let\bf\mathbf\fi%\bf is used in  \ref!
                               $^{\,% \ref may force \itshape
                               \let\itshape\relax% which don't run in math.
\textrm{\scriptsize% \textrm introduced to avoid \pdfannotlink (13d) to crash.
                               \ref{##1}%
       }% (Bypass to be removed when version 14 widely installed).
                                        }$}}}{}%....}%
\def\!{\relax\ifFMA\ifmmode%
                            \mskip-\thinmuskip\else\negthinspace\fi%......... \!
             \else\@ntsORI\fi}%
\expandafter\def\csname\string\!\endcsname{\kern-.083335em}%
\def\halfnegthinspace{\ifFMA\expandafter% Not documented macro:
                            \csname\string\!\endcsname%.....  \halfnegthinspace
                      \else\expandafter\@hntsORI\fi}%
\@ifundefined{moretolerance}{\def\moretolerance{%.............  \moretolerance
              \@noBDfr%
              \advance\tolerance by \the\tolerance% double each tolerance
              \advance\pretolerance by \the\pretolerance}}{}%
\@ifundefined{I}{\def\I{I}}{}% to uppercase \i  ........................  \I
   \def\Sauter##1Lignes{\@noBDfr%
                        \vspace*{##1\baselineskip}}%............ \Sauter#Lignes
              }% end of \@ifm
%%%%% Logo symbolisant TeX, LaTeX et les autres
\@ifundefined{AllTeX}{%.............................................  \AllTeX
\def\AllTeX{(\kern-.075em L\kern-.36em{\sbox\z@ T\vbox to\ht\z@{\hbox{%
             \check@mathfonts\fontsize\sf@size\z@\math@fontsfalse%
             \selectfont A}\vss}}\kern-.15em)\kern-.075em\TeX}%
\MakeRobustCommand{AllTeX}%
                     }{}%
%#>
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
\let\@currname\@currnameORI% reset current package name
\def\languagename{english}% Let's go in english until \begin{document}
\def\beginlanguage{%.......\beginlanguage might be used after \begin{document}
                   \ifx\babel@savevariable%selectlanguage
                        \undefined\french%
                   \else\endenglish\selectlanguage{french}\fi%
                  }%
\let\@bglngpk\babel@savevariable% Set it for further integrity tests.
\ifx\pg@add@to\undefined\else% polyglot is running
\def\pg@begin{\begingroup}% Javier Bezos <jbezos@mx3.redestb.es>
\def\pg@end{\endgroup}% as of 98/05/15
\fi%
%
\edef\beginFWdirection{L}% write Left to right
\ifx\undefined\babel@core@loaded\ProcessOptions*% Activate options
 \else% special case Babel
     \PackageInfo{\frenchname}%
      {Initialisation de l'option \frenchname\space pour Babel}%
      \GOfrench\let\GOfrench\relax%
\fi%
```

```
\let\@FW\undefined% No more used macro.
% REMember that \french is equal to \frenchTeXmods PLUS hyphen. stuff.
\resetat%..................................................... reset @ char
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%
% Let few other packages know that french is loaded.
%
\PassOptionsToPackage{french}{varioref}%
\PassOptionsToPackage{french}{pdfscreen}%
%
\endinput%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
```