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% This is french_doc.pdf (informations en francais dans
% efrench.pdf et faq.pdf)
%
% As e-French since 2010 under LPPL Copyright.
%.....
% Copyright GUTenberg-Gaulle 1992-1998, Bernard Gaulle 1999-2007:
% =====
%
% En tant qu'e-French sous Copyright LPPL depuis 2010.
%.....
% Copyright Gaulle-GUTenberg 1992-1998, B. Gaulle 1999-2007.
% =====
%.....V2.5
%.....
% NOTICE that this work was done without any formal support.
% Friendly helps, supports as well as sponsors are welcome!
%.....
%\def\ds@le{\input frenchle.sty}%
%
% french.sty was developped by Bernard GAULLE for French-Speaking Users
% This file is now a part of the e-French package.
% For more details please read efrench.pdf
%\expandafter\ifx\csname frenchTeXmods\endcsname\relax%
%\else \endinput \fi%
\def\frenchname{french}%
\def\frenchpack{e-french}%          eFrench
\def\ds@french{}%
\def\ds@pmfrench{\pmfrench}%
{\catcode'\@=11{%
  \ifx\@unexpandable@protect\undefined\let\protect\empty%
  \else\let\protect\@unexpandable@protect%
  \fi%
      \xdef\FSfd{10 ao\`ut 2017}%          eFrench
      \xdef\FSfv{V6,01}%                  r j +
      \xdef\frenchstyleid{\FSfv\space-- \FSfd\space --}%
}}%
      \edef\FSfd{2017/08/10}%

%
% History as given by Bernard Gaulle:
% 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 maintainer of e-French:
% Laurent Bloch, lb@laurentbloch.org
% (http://www.laurent-bloch.org/spip.php?article166)
%
% Canonical Archives server is: www.gutenberg.eu.org
% (in /pub/GUTenberg/french)
% where these files are archived.
%

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% 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 mltx).
%
% 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 obsolete 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.

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% \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.
% %%%%%%%%%%%
% Distributed as eFrench under LPPL is same as version 5,9994
% but without the test for a shareware licence
% Changes made by Raymond Juillerat 2010/05/04
%
% V5,9995 Some changes because a problem arose with the language arabic
% in that case, the language switch \arabic was in conflict with the
% arabic format for numbers, also \arabic.
% Therefore in this version, the switch is to be made with \arabicLang, but
% the configuration file for the language arabic is as usual \arabicTeXmods.
% These changes affect all languages <language> were \<language> already
% exists and would enter in conflict with. Language switch is made with
% \<language>Lang and the context is defined with \<language>TeXmods.
% Same changes were made in frenchle
% Changes made by Raymond Juillerat 2011/09/26
%
% V6,0 The reading of *languages.dat* has been reduced to french and
% english suppressing the problem with \arabic. This reduction is
% possible because eFrench is not compatible with babel but needs the
% hyphenations rules for french and english. For german or ngerman,
% the mlp module is responsible for finding the hyphenation.
% This is possible because german or ngerman and french are the only
% language style running without babel.
% For babel there are other versions of these language packages.
% Changes made by Raymond Juillerat 2015/10/30
% V6,01
% Correction of \originaloutput
% Changes made by Raymond Juillerat 2017/02/24
% \newcount, \newdimen, \newbox only not redefin if from eTeX
% Changes made by Raymond Juillerat 2017/08/10
%
% %%%%%%%%%%%
%
% 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.
%
% 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,

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% 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 (preamble 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 featurings. 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

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% 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 preamble)
% 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;
% presumably 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).

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% 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 ``:''
% 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 environnement.
% \...code and \char become unusable asis.
% \englishquote is the default
% Suboption: \noenglishdoublequotes for replacing ‘ ‘ with << and ’ ’ with >>
% Do nothing inside a tabbing environnement.
% \...code and \char become unusable asis.
% \englishdoublequotes normal quoting ‘...’ is the default
% Suboption: \untypespaces force a space where normally French people
% type one (before ; : ? ! >> and after <<)
% \typespaces is the default value
% Suboption: \tabbingaccents allow to put \' and \' diacritics 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: \letpunctuationactivefor to use allways with something else
% (like \wrongtypespaces), let punctuation (! : ; ?) active
% after French style. Caution: it's extremely dangerous!
% (specify the suboptions after \frenchtypography)
% (sub-options are not saved/restored over a language switch)
% \nofrenchtypography Nullify former actions
% Suboption: \wrongtypespaces 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:

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% - 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
% \frrlabelitems{\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 \frrtrivseplengths{\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 is printed in small caps.
% with \flettrine a box will be printed around.
% Generic syntax:
% \lettrine{Beginning of the paragraph}
% \flettrine{Beginning of the paragraph}
% or \lettrine[<< {Beginning} >>] (let spacing!)
% \flettrine[<< {Beginning} >>] (ending >> might
% be given later in the text)
% \lettrine or \flettrine START a paragraph! And

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% to avoid any problem the paragraph must end with an
% explicit \par. This is a fragile macro!
% Suboption: \noautomaticlettrine (default) processing;
% 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

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%-----
% \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\captionfrench{\.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 .gl) & 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

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% \primo \secundo \tertio \quarto \quando={n}
% [or:\primo) \secundo) \tertio) \quarto) not recommended]
% \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 as is. 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 complementary macros used in other parts:
% \ordinal{counter} gives "premier", "deuxieme", ... "vingtieme"
% \Ordinal{counter} gives "Premier", "deuxieme" ...
% \ordinaire{counter} gives "premi\`ere", ...
% \Ordinaire{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
% equivalent 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@language\language% -Save current language name.
    \ifx\documentclass\@twoclasseserror% -When not a kernel case
        \def\language{french}% -force French for the msg package.
    \fi%
    @@input msg.sty% -and input it now.
    \let\language\fp@language% -Reset current language name.
    \let\fp@language\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'etext'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
\edef\@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@{L01}\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'\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%
%% code to test the shareware licence suppressed eFrench
\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"
\fi%
\@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\@inperc@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\@no braces\@firstofone%
\ifEightBitOutput%
\ifx\charsubdef\undefined\else%
\def\'##1{\expandafter\@no braces\@aiguORI##1}%
\def\'##1{\expandafter\@no braces\@gravORI##1}%
\fi%
\else%
\let\protect\string\let\add@accent\@gobble%
\fi%
\@kbtypeout[\typeout]{^^J \frenchname.sty \string : #1\@o1}%
\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\@finpnt#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\cshape the#1\endcshape}\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\cshape\string\listing\endcshape {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\@input{#1}\french% -..... \originalinput
\else\@input{#1}\fi\relax}%
\def\originaloutput[#1]{% -..... \originaloutput
\ifFrench\english\fi%
\def\@originalout##1##2{\immediate\write##1{##2}}%
\@originalout{#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}%
      \@input{\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%
  \@tbs{#1}%
}%

```

```

\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{\seeealsoname% -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\if@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:
\if@issue%
\@fw{ -24- %
%\@txt@msg{\frenchname.sty utilise dans ce document le codage de fonte }%
%\@txt@msg{\f@encoding.^~J}%
    }%
%
\if@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%
    \if@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
  {% -Always load latexsym in case of any OT1 usage.
    \ifx\symlasy\undefined% -if nftxym 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\@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@{L01}\ifx\@temp@f@encoding%
  \else\edef\@temp@{OT1}\fi%
\def\@tempa#1{\expandafter\relax% -define OT1-guillemets or L01 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\letpunctuationactivefor{\@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@files\@input\@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{OT1}{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\#####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\sowhyphens\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\lowercase\undefined\else\def\lowercase{\lowercase}\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\fi%
        \ifw{-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\fi%
        \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 r'ecup'ere la classe (demi octet poids fort)
    \multiply\@tempcnta by -4096\relax% -en 'eliminant les poids faibles.
    \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\nofrenchttypography{% -.....\nofrenchttypography
\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\frenchttypography{% -.....\frenchttypography
\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\language\endcsname\iftrue%
    \def\@tempa{\let\ifbbbf language\iftrue}%
    \ifx\ifbbbf language\undefined\@tempa\fi%
    \def\@tempa{\ifbbbf language\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\btselectlanguage\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

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```

\@FIM\@FL\let\@FL\empty\noautomaticletrine%
\ 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\scode'\'(=0\scode'\)=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\@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.
% but with eTeX these definitions are ok (rj, v 6,01)
\ifx\ eTeXversion\undefined% (rj)
\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
\fi% (rj)
%
%..... 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{vpr}{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}%
\ifPMF\def\pmfrench{\def\noeveryparguillemets{\}\def\@stared{\}%
    \def\@desarm{\}\def\@qqquotes{\}\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 package}\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
\beginngroup%
\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\frRIfM@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 @##1ORI\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 @##1ORI\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%
\edef\@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, obsolete 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 \bibtex has not originally any argument the following definition
% is remove and \@newlabel is introduced in replacement of \newlabel.
%\ifx\bibcite\undefined\else\@gG{bc}{bibcite}{1}{1}\fi%..... \bibcite
\ifx\backcite\undefined\else\@gG{bk}{backcite}{/}{2}\fi% -..... \backcite
\ifx\bibitem\undefined\else\let\@biORI\bibitem% -..... \bibitem
\def\bibitem{\@LiN\@ifNextNB[\@biCb]{\@biCa}% -]emacs
}%
\def\@biCa##1{\@biORI{##1}\@LiB}%
\def\@biCb{##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{t}{tag}{/}{1}\fi% -..... \tag
\ifx\pageref\undefined\else\let\pageref@ORI\pageref%
\let\@pageref\pageref\@gG{fpr}{f@pageref}{/}{1}%
\def\pageref{\ifFTY\expandafter\@pageref\else% -.....\pageref
\expandafter\pageref@ORI\fi}%
\fi%
\csname @vrfCode\endcsname% -load mods for varioref package \vref, \vpageref
\edef\@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\@tempa{%
\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 Overfull \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 environnement.
\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\@parttopsepORI\parttopsep% -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\parttopsep{\@w@s{\string\parttopsep}\@parttopsepORI}%
\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\fi issue%
\@fw{-58- \% \txt@msg{valeur de ##1 ignor'ee}%
% dans l\string'environnement \@currenvir%
} [##1] \fi}%
\def\org@seps{\let\topsep\@topsepORI%
\let\parttopsep\@parttopsepORI%
\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 known 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\@contfont% -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 delimiter 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 footnotemark 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\@makefnmark\fr@makefnmark% -..... \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@makefnmark####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 TeX.
\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\frORI\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@{\,}}% Preferred:
\@ifnextchar\relax{\def\@temp@{\hphantom{.}\kern+0.25em}}%
{\def\@temp@{.\kern+0.25em}}%
}%
\expandafter\@temp@\@fnORI\@temp@%
}%
\leavevmode\kern+0.5em% -add some spacing for at least 3 digits
\else\def\@thefnmark{\@fnORI\,}\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 ..... \@footnotetext
\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\@currentenv\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}%
\edef\@lim{}\fi\let\ifMOVING\iffalse}}%
\ifx\endfigure\undefined\let\@Fendfigure\relax\fi%
\let\@cnORI\caption% -\caption is redefined in the table environment :
\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%
\fi%
\@fw{-8- % -\@txt@msg{\string\footnotetext{##2} perdu.}
%\@txt@msg{Coder \'event. \string\protect\string\footnote}%
}%
}%
\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\beginngroup%
\def\@mpfn{mpfootnote}%
\def\thempfn{\thempfootnote}\c@mpfootnote\z@%
\ifx\@capttype\undefined\def\@capttype{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\beginngroup%
\def\@mpfn{mpfootnote}%
\def\thempfn{\thempfootnote}\c@mpfootnote\z@%
\ifx\@capttype\undefined\def\@capttype{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}%
\edef\@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 \@Ffloat.
    \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 preamble
% \fi%
% patch inclusion:
% \finput{frpatch.sty}%
% \ifx\FSfd@patch\FSfd\else
% \fissue%
% \@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\@Ffont\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 ... \@fininput
\IfFileExists{\frenchname.cfg}{% -load site config file.
\fi%
\@fw{-48- \%@txt@msg{Lecture du fichier de }%
\@txt@msg{configuration de \frenchpack}%
}%
\@fininput{\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\@xhk\xcomment@hook\global\noxcomment\fi%
\ifx\btselectlanguage\undefined%
\else\ifx\babel@savevariable\undefined%
\fi%
\@fw{-87- \%
\@txt@msg{ERREUR \string: }%
\@txt@msg{babelbib s'utilise uniquement avec babel}%
}%
\stop%
\fi%
\ifx\@bglngpk\babel@savevariable%
\else% -Babel loaded after french.
\fi%
\@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\@xhk%
\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\fc\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\ifftrue}%
\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\ifftrue}% -\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\@ffrench{\ifx\listoffigures\relax\else%
    \figurename~\thefigure\ifFTY\captionseparator\fi\fi%
    \ifFTY\expandafter\@eatDP\fi}%
\def\@tfrench{\ifx\listoftables\relax\else%
    \tablename~\thetable\ifFTY\captionseparator\fi\fi%
    \ifFTY\expandafter\@eatDP\fi}%
\def\unnumberedcaptions#1{\@noBDfr%
%..... \unnumberedcaptions
    \expandafter\let\csname listof#1\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}\@input{fenglish.sty}\let\@currname\@tempa}{}%
\def\language{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{% -\@starttoc 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 original \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 keywords 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\pgfill##1 {}% -nullify page num. unneded
\def\pgf[##1]{\@input{##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%
\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%
\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\ordinaire#1{\ifcase\value{#1}\or {p}remi\`ere%
\or\@osn{#1}{\ordinalSecondName}\else\ordin@l{#1}\fi}%
\def\Ordinal{\expandafter\uppercase\ordinal}%
\def\Ordinaire{\expandafter\uppercase\ordinaire}%
%
\def\captionsfrench{% -..... \captionsfrench
\ifFTR% -Is French translation allowed?
\ifx\captionsnames\captionsfrench\else%
\let\@tdORI\today% -..... \today
\let\@fORI\fnnum@figure% -..... \fnnum@...
\let\@tORI\fnnum@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\btselectlanguage\undefined% -Don't call \bibs french 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\seealso{\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\fnun@figure\f@ffrench% -except for any AmSLaTeX V1.2 class
\let\fnun@table\f@tffrench% -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\slidenamename\undefined\else%
\def\slidenamename{Transparent}%
\def\listslidenamename{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\captionnames\captionsfrench%
\fi% \else of \ifx\captionnames\captionsfrench%
\let\today\todayfrench%
\def\@cORI{\@cnsORI% -Restore original caption names
\let\today\@tdORI%

```

```

\let\fnun@figure\f@fORI%
\let\fnun@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.lda}%
\IfFileExists{\@tempa}{%
\fi%
\@fW{ -65- %
%\@txt@msg{\frenchname.sty charge }%
%\@txt@msg{les traductions pour la bibliographie \string:}%
}\@finput{\@tempa}}}%
\fi%
\ifx\bibsenenglish\relax%
\edef\@tempa{en\@rbibstyid bib.lda}%
\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}%
\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 environment ..... \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\label frenchenumi{\@FIM@\quando={\arabic{enumi}}}%
\def\label frenchenumii{\@FIM@\quando={\arabic{enumii}}}%
\def\label frenchenumiii{\@FIM@\quando={\arabic{enumiii}}}%
\def\label frenchenumiv{\@FIM@\quando={\arabic{enumiv}}}%
\def\order{\ifnum \@enumdepth >3 \@toodeep\else%
  \advance\@enumdepth \@ne%
  \edef\@enumctr{enum\romannumeral\the\@enumdepth}\list%
  {\csname label french\@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}
% inappropriate 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 hyphenation 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 \onoligs \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 preamble: \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 \smaller%
\or \footnotesize%
\fi%
%\hspace*{100\p@}\fromlocation \hfill \telephonenumber
\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 Opt plus 1fil% -un peu d'elasticite
\else\@cloORI{####2}%
\fi}%
\def\endletter{\ifFLA\vskip Opt 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\nobeginningfolio{\let\ps@french\ps@empty}% -..... \nobeginningfolio
\else%
\def\nobeginningfolio{\let\ps@french\ps@empty% -yes:
  \aliaspagestyle{chapter}{empty}%
}%
\fi%
\def\beginningfolio{\let\ps@french\ps@frenchORI% -..... \beginningfolio
  \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\@qqquotes{\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\@ettrine{##1}{##2}\egroup}%
\def\@@ettrine##1##2{\ifFLA\def\@@ttrnxt{\@@ettrine##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\@@@ettrine##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% -inappropriate 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\fbboxrule=\z@\else\advance\@FrDimenI by2\fbboxrule%
\advance\@FrDimenI by2\fbboxsep\fi%
\@FrDimenS=\fontdimen2\font\advance\@FrDimenI by+3\@FrDimenS%
\ifdim\fbboxrule=\z@\advance\@FrDimenI by-0.30\@FrDimenS\fi%
\advance\@FrCount by -1%
\@FrDimen=\@FrCount\baselineskip%
\advance\@FrCount by 1%
\ifdim\fbboxrule=\z@\else\advance\@FrDimen by -\fbboxrule\fi%
\@FrDimenH=-\dp0% -to get baseline alignment
\setbox0\hbox{\ifdim\fbboxrule=\z@\kern-\fbboxsep\fi%
\fbbox\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\@one\font>\z@\space\fi}}}%
\box0\@FrDimen=\@FrDimenH%
\advance\@FrDimenH by-\@FrCount\baselineskip%
\advance\@FrDimenH by \lineskip% -inappropriate action
\ifdim\fbboxrule=\z@\else\advance\@FrDimenH by -\fbboxrule\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\@one% -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
{\lyxdef\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\' \do\& \do\$ \do\% \do\# \do\| \do\^ \do\_ \do\~ \do\% -\$emacs
\do\! \do\? \do\; \do\: \do\< \do\> \do\^ \do\`}%
\def\@sanitizefrench{% -..... \@sanitizefrench
% \@makeother\ \@makeother\ \@makeother\$ \@makeother\& \@makeother\% \@makeother\# \@makeother\| \@makeother\^ \@makeother\_ \@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\else##1\fi}}%
\def\~##1{{\expandafter\@treORI\ifx ##1i\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\fi%
    \@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
\AFPinfssup% -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}{\}% -revisit box size in a list environment
    \advance\@FrDimen by -\leftmargin\advance\@FrDimen by -\rightmargin%
    \advance\@FrDimen by -\listparindent\hsize=\@FrDimen}%
    \@qqquotes\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{@UuvOpen}{\}% -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{@UuvOpen}{\def\@UuvOpen{}}% -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\ifmid@expandable{\@RG}{\@RG}}%
\def\@RG{\ifmmode\@SifFTY\fi\ifFTY\@FG\else\@DFG\fi}%
\def\@RG{\relax\noexpand >>\relax}
\def\endfguillemets{>>}%
\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.
\if@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\if@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{\@currentenv}\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.
\if@issue%
\@fw{-49- %\@txt@msg{fermeture pr'ematuration de guillemets}}%
}%
\fi%
\else\@CGroup\@fguills%
\fi%
\fi%
% \edef\@currentenv{\@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. env
\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%
\AFPinfssup% -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 @extrasfrench\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\language{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\@extrasfrench{\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{\@input{french.tst}}% -The Torture Test ..... \frenchtest
\def\frenchdoc{\@input{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
% =====
% begin definition of Nouveau@Langage
\def\Nouveau@Langage[##1]##2{% -..... \Nouveau@Langage[##]{name}

%arabic as a language should not change the definition of \arabic V5,9995
% the same is valid for future similar cases V5,9995
\expandafter\@ifundefined{##2}{\lang@defifalse}% V5,9995
{\lang@defitruer}% V5,9995
%-- check for an anormal change in language.dat:
\expandafter\@ifundefined{mlp##2}{\langmlp@defifalse}%
{\langmlp@defitruer}%
\def\l@n@test{##2}
\ifx \l@n@fre\l@n@test\langok@defitruer\fi % french is accepted:\def\l@n@fre{french}%
\ifx \l@n@eng\l@n@test\langok@defitruer\fi % english accepted: \def\l@n@eng{english}%
% \iflangok@defi \typeout{ ##1 : ##2}\fi%
%
% < -- arabic prepare
\expandafter\@ifundefined{l@##2}{}%
\iflangok@defi
{%
\expandafter\tl@ng\csname##2TeXmods\endcsname%
\iflang@defi% ++ test same name existing?
\expandafter\gdef\csname##2Lang \endcsname%
{\expandafter\switchtolanguage\csname ##2TeXmods\endcsname%
\@Hif\language=##1\@Hfi\relax}%
\expandafter\gdef\csname##2Lang\endcsname%
{\protect\csname##2Lang \endcsname}%
\typeout{eFrench Info : %
\\##2Lang commute sur langue ##2 }%
\typeout{eFrench Info : %
et \\##2TeXmods pour ses extensions }%
\typeout{eFrench Info : %
avec \\ = une seule barre oblique inverse ==}%
}else% ** name not yet existing
\expandafter\gdef\csname##2 \endcsname%
{\expandafter\switchtolanguage\csname ##2TeXmods\endcsname%
\@Hif\language=##1\@Hfi\relax}%
\expandafter\gdef\csname##2\endcsname%
{\protect\csname##2 \endcsname}%
\fi% same name already existing ?
}%
\fi% -- french or english accepted
}% -\Nouveau@Langage
% end definition of Nouveau@Langage
% =====
% using Nouveau@Langage also for dialects:
% 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\Nouveau@Langage\expandafter[\the\@FrCount]{##2}%
\ifnum\@FrCount \@temp@ 0 \@FrCount= -1\fi%
\else\langok@defifalse\edef\@temp@{<}\@l@ngue##1##2 ##3 ##4/{##5}%
\fi}%
\def\@l@ngue##1 ##2 ##3/##4{\Nouveau@Langage[##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 \Nouveau@Langage

%
\let\hyphenation\@hyphenation% -use our new macro.
%
% Nouveau@Langage (as @l@ngue will be use to read language.dat :
%
\openin\@inputcheck = language.dat \def\@tempb{}%
\ifeof\@inputcheck\@Ffmt{language.dat}%
\ifx\undefined\@french % -language.dat is absent but \french might be def.
\else\xdef\@PrevF{\french}%
\gdef\french{\switchtolanguage\frenchTeXmods\@PrevF}%
{\@PrevF\@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{}% -set it
\fi%
\ifx\undefined\@english % -check English (fenglish.sty usally loaded)
\else\xdef\@PrevE{\language=\@l@english}%
\gdef\english{\switchtolanguage\englishTeXmods\@PrevE}%
{\@PrevE\@issue\@fw{-16 %
%\@txt@msg{the English language\space is numbered }%
%\@txt@msg{\the\language}%
}}%
\fi
\else\@FrCount=-1%
% =====
% begin some indicators for language testing
\newif\iflang@defi% V5,9995 RJ
\newif\iflangmlp@defi% V5,9995 RJ
\newif\iflangok@defi% V6,0 RJ
\def\l@n@fre{french}% V6,0 RJ
\def\l@n@eng{english}% V6,0 RJ
\let\englishORI\english% V5,9995 RJ
\let\english\undefined% V5,9995 RJ
% end some indicators
% =====
\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% < language.dat
\ifx\undefined\english\let\english\englishORI\fi% V5,9995 !
\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\@fwVIIIIII{\f@issue%
  \kbttypeout{^^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%
  \@fwVIIIIII\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\@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\@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% -always 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\@Ffmt{##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%
\fi%
\@fw{-22- %
%\@txt@msg{abr\'eviation de \string"##1\string" non trouv\'ee}%
}[##1]%
\fi\fi%
\ifABBM\repeat%
\fi\closein\@inputcheck%
\ifABBfound\else'\@bbrev##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 ..... \numerous
\def\Numeros{\ifFMA N\@umer{os}\else\@NumsORI\fi}% -N^os ..... \Numerous

```

```

\def\degree{\ifFMA\r{}\space% -degree char..... \degree
\else\expandafter\@degreeORI\fi}%
\def\degrees{\ifFMA\@Fsp{o}\else\@degreesORI\fi}% -degrees sign..... \degrees
\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}\{\@ieme\}}%
\def\@ieme{\fup*{e}}%
\def\@ieme{\fup{e}}\MakeRobustCommand{ieme}%
\def\iemes{\@tgifFMA\@iemes\@iemesORI}% -..... iemes sign..... \iemes
\def\@iemes{\@ifstar{\@iemes}\{\@iemes\}}%
\def\@iemes{\fup*{es}}\MakeRobustCommand{iemes}%
\def\@iemes{\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){\@FE}{\@FE}}%
\def\@FE{\the\@FrCount$\mathrm{o}$\kern+.29em}%
% \def%( emacs
% \@FE){\the\@FrCount\kern-.25em\lower.2ex\hbox{\degree}%
% \kern-.55em%(emacs
% )\kern+.3em}%
\def% -( emacs
\@FE){\setbox0=\hbox{\degree}\@FrDimen=\wd0\multiply\@FrDimen by 10%
\divide\@FrDimen by 45\leavevmode%
\the\@FrCount\kern-\@FrDimen%
\setbox0=\hbox{\the\@FrCount}\@tempdima=\ht0%
\setbox0=\hbox{\degree}\@tempdimb=\ht0%
\advance\@tempdimb by -\@tempdima%
\lower\@tempdimb\hbox{\degree}%
\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\@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:
$~{\,% -\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-.075emTeX}%
\MakeRobustCommand{AllTeX}%
}}{}%
%#>
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
\let\@currname\@currnameORI% -reset current package name
\def\languagenamename{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%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%

```