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% This is french_doc.pdf (informations en francais dans frdoc)
% by Bernard GAULLE since 1989.
%.
% Have you registered? if not, fill in the form in the REGISTER file and send
% it now, otherwise Bernard will never accept your messages requesting help.
%.
% (Copyright notice in English just after the French one)
% Copyright GUTenberg-Gaulle 1992-1998, Bernard Gaulle 1999-2002:
% =====
% - La distribution des fichiers du style french pour LaTeX est effectuee
% selon le mode shareware. Apres installation et essai de ces fichiers
% pendant un mois vous devez decider soit de les garder pour en faire
% un usage regulier soit de les detruire. Si vous les conservez il vous
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% dans la mesure ou elle est complete et non pre-installee.
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% l'utilisation de ses fichiers si ce n'est pour un cout reduit de copie.
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% en tirer benefice (meme s'il ne s'agit pas d'un grand profit) et donc
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% qui reduirait ses possibilites intrinseques ; vous n'avez donc pas
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% sur le domaine de l'Internet (dont les serveurs CTAN) et doivent
% rester gratuits d'utilisation.
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% et prêts a la distribution.
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% avec la volonte qu'il soit correct mais aucune garantie ne peut etre
% fournie, de quelque ordre que ce soit. Les utilisateurs l'utilisent
% entierement a leur propre risque. L'auteur n'admettra et n'acceptera
% d'etre lie par un quelconque engagement en cas de manque a gagner,
% direct, indirect, immediat, consecutif ou autre, resultant de son
% utilisation.
% - Vous n'etes PAS AUTORISE a vous substituer a l'autorite de l'auteur
% en appliquant des modifications, meme si de votre point de vue, elles
% corrigent des deficiences.
% Les lois internationales, europeennes (91-255) et francaises (94-361)
% sont applicables.
% L'utilisateur de ce logiciel peut toutefois le personnaliser a volonte
% par differents moyens expliques dans la documentation. L'auteur du
% logiciel n'est toutefois aucunement lie par une modification introduite
% par une personnalisation utilisateur.
%
% Copyright Gaulle-GUTenberg 1992-1998, B. Gaulle 1999-2002.
% =====
% - The distribution of the French style files for LaTeX is made on
% the shareware mode. After installation and tests of these files
% during one month you have to decide either to keep them for
% further use or to delete them. If you keep them you have to
% pay the usage fees to the author (29 euros for single user licence,
% look at the REGISTER file).
% - You are NOT ALLOWED to change in any way all files marked

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% with "Copyright".
% - Free redistribution of this distribution is authorized but only
% when complete and not pre-installed.
% You are NOT ALLOWED to take money for the distribution or use of
% these files except for a nominal charge for copying etc.
% All softwares sold via commercial distributors are considered to
% make money, even they don't make an important profit, thus the
% redistribution is strictly limited to a previous agreement with
% the author.
% - You are NOT ALLOWED to include these files in a package/software in
% a way that will reduce its capabilities or features; this doesn't allow
% you, for example, to redistribute only few parts of the whole original
% files.
% - All the files included in the distribution are available freely inside
% the Internet domain (and specially on CTAN servers) and should remain
% freely runnable.
% - There was no virus at the time these files were completed for
% distribution.
% - This computer code is offered in hopes that it will be found useful,
% and in the belief that it is correct, but it is offered without any
% warranty of any kind, including warranty of fitness for any purpose.
% Users of this code do so entirely at their own risk. The author neither
% admits nor accepts any liability for any loss, direct, indirect,
% consequential, incidental, or otherwise, resulting from the use of this
% computer code.
% - You are NOT ALLOWED to substitute author's authority by applying
% modifications even if, in your point of view, they correct deficiencies.
% International, European (91-255) and French (94-361) laws apply.
% There is still the possibility for the user to customize this
% package at his wishes by various means explained in the documentation.
% The author of the package is not liable for any change introduced
% by any users customization.
%.....V2.3
%%
%% checksum = "05175 3837 14196 201285"
%%
%.....
% NOTICE that this work was done without any formal support.
% Friendly helps, supports as well as sponsors are welcome!
%.....
\expandafter\ifx\csname frenchTeXmods\endcsname\relax%...\ifundefined
\else \endinput \fi%..... \then go ahead \else do nothing \fi
\def\frenchname{french}% this is the name of our language
\def\ds@french{ }% this might be usefull if loaded before \document...
\def\ds@pmfrench{\pmfrench}% further defined
%\def\ds@le{\input frenchle.sty}%
%
% french.sty developped by Bernard GAULLE for French-Speaking Users as of:
{\catcode'\@=11{%
\ifx\@unexpandable@protect\undefined\let\protect\empty%
\else\let\protect\@unexpandable@protect%
\fi%
\def\FSfd{29 octobre 2002}%
\def\FSfv{V5,09}%
\def\frenchstyleid{\FSfv\space-- \FSfd\space --}%
}}%
\edef\FSfd{2002/10/29 }%
%
% I started this job years ago (in 1989) firstly
% using ideas by Jacques DESARMENIEN, the French pioneer and also by

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% Eric PICHERAL (CICB, Rennes), Nicolas BROUARD (INED, Paris),
% Marc SHAPIRO (INRIA, Rocquencourt), Raymond SEROUL (Lab Typo. Strasbourg),
% Philippe LOUARN (IRISA, Rennes), Olivier NICOLE (INRA, Jouy),
% Rainer SCH"OPF (Uni. Mainz), Johannes BRAAMS (PTT, NL) and others.
% I stopped to collect the names of the good guys in 1991 when i decided
% to make a seriously enhanced & rewritten distribution i released as V3.0.
%
%% Free gift to GUTenberg (Frenchspeaking TeX Users Group)
%% during 12 years. (Groupe francophone des Utilisateurs de TeX).
%% Shareware since january 2001 (Version 5,00).
%
% Send suggestions/bug reports/corrections to the author: frenchpro@free.fr
% (Bernard Gaulle, 44 rue P. Curie, F-92700 Colombes)
%
% Canonical Archives server is: www.gutenberg.eu.org
% (in /pub/GUTenberg/french)
% where these files are archived.
%
% Running only with LaTeX2e, oldest format required:
\NeedsTeXFormat{LaTeX2e}[1996/12/01]% the latest one acceptable
\let\auxWARNINGi=\@gobble% accept aux files produced by french
% This style is using, at most:
%%<
%%> 577 strings out of 11731 (4.9%);
%%> 4675 string characters out of 85497 (5.4%);
%%> 11217 words of memory out of 262141 (4.2%);
%%> 567 multiletter control sequences out of 9500 (5.9%).
%
% (I used usual teTeX with option mltext).
%
% Last updates, starting after releasing version pr\'e-V5,00 (Nov 29th, 1999):
% =====
%
% This is the first shareware (christmas) release. --bg 2000/12/22
% V5,01 Change in license checking. --bg 2001/01/11
% Few comments changes. --bg 2001/01/22
% Modifications in license calculation. --bg 2001/02/05
% V5,02 Wrong end of cs in package info for Babel.
% {} replaced by \space. --bg 2001/03/19
% \footnote used in few frenchle context generated an
% undefined >. Set equal to \superieura at first
% activation. same processing for <. --bg 2001/03/21
% V5,03 \contentsline reset for hyperref at \tableofcontents. --bg 2001/05/31
% Pass option "french" to pdfscreen package (in case it
% were loaded after French). --bg 2001/06/01
% \href, \hyprref, \hyperbaseur and \hyperimage macros
% of hyperref package are now protected against active
% characters via mods in \hyper@nrmalise. --bg 2001/06/16
% Correct pdfscreen section numbering (remove last dot). --bg 2001/06/18
% Footnote-mark of \thanks was typeset as in standard
% LaTeX because French mods were not made global. --bg 2001/06/21
% PdfTeX (level 13d) strange bug: \pdfannotlink crash
% coming from a \ref (supposed to be not in horizontal
% mode). \refmark modified to call \ref inside \textrm.
% Users having the same pb with \ref should also insert
% it in a \textrm or in AmS \text macro. --bg 2001/07/02
% Applying correction made on the lite version regarding
% bug when more than 9 languages were defined in the
% language.dat configuration file. frenchle.sty now
% upgraded to level V5,02a. File hyconfig.tex does not

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% need any correction. --bg 2001/07/20

% Added auctex.pdf in supported engines; thanks to

% Frederic.Petit@univ-mlv.fr for that file. --bg 2001/09/11

% Few corrections in fxabbrev.tex

% New case of "corrupted language.dat" message: when

% \french is not redefined after language.dat reading. --bg 2001/09/20

% \degre definition was too much expanded; there was no

% more test of \((no)frenchmacros.

% Message -8- footnote text lost added when in math or

% in a \mbox.

% \includegraphics now protected against active chars. --bg 2001/09/21

% With pdfTeX a duplicate \annotelink occured with \sommaire.

% Bypass found was to \relax \selectfont.

% Pb not reproduced with a different installation

% so, no modification applied. --bg 2001/09/26

% Modified \mbox was wrongly expandable in all situations;

% now it's protected, eg in \section.

% V5,04 Message -8- enhanced to recall that \footnote should

% be protected in moving arguments. --bg 2001/10/19

% As suggested by Bernard Alfonsi the \captionseparator

% needs to be emptied when there is no text in the

% \caption argument. --bg 2001/11/19

% In all cases where \fsc and \lsc can't find any sc font

% we can now force the sc font of \rmfamily using

% \fsc* or \lsc*. That is in force, defaultly, for OT1.

% french.ldf modified to allow french to be loaded

% before babel. --bg 2001/11/27

% Bernard Alfonsi suggested that french use the same

% processing as icomma.sty. Basically i don't want that

% space be added defaultly in various math circumstances.

% So i just modified french to accept the icomma package

% do it's job when \french is activated. --bg 2001/11/29

% Due to resetting of chapter counter at part change we

% have to better qualify the chapter anchor names with

% hyperref package. Thus we added \arabic{part}. The

% original problem (bookmark not indented) was reported

% by Evy Kersalé but the main problem was a duplicate

% pdf link. --bg 2001/12/05

% Bernard Alfonsi reported a problem when titlesec 2.4

% or higher was loaded: French indentation allways apply

% to the first paragraph. Now when titlesec package is

% loaded we respect now the user's choice between

% "indentfirst" and "nonindentfirst" options.

% Thus we introduce two new French commands

% which are \indentfirst and \nonindentfirst. --bg 2001/12/05

% Code about \@PreserveBraces has no meaning with frenchle.

% French banner showed \accent primitive when fontenc was

% just loaded before; accent removed.

% \addto definition provided if not allready done by babel

% or any other package.

% \noresetatpart added for frenchle. --bg 2001/12/10

% \edef in \showhyphens needed to be protected, otherwise

% \showhyphens{\emph{x}} produced a "Missing control

% sequence" message due to \inaccessible. --bg 2001/12/13

% \frenchmathcomma should only change typesetting

% when \frenchtypography is in force. --bg 2001/12/14

% Successive \footnote or \refmark were not processed

% correctly due to implementation of \futurelet.

% Added \@ifNextNBc to allow testing of 2 alternatives.

% Suppressed definition of \@ifnextchar.

% \nofrenchlayout disappeared from frenchle. --bg 2001/12/17

% Message -8- (footnote lost) added in figure environnement

% and issued only in French. --bg 2001/12/20

% Message modified in frlicense.dat.

% \[non]indentfirst didn't worked ; they should not run

% before \begin{document}.

% New command introduced to allow personnal choice of lengths

% in trivlist: \frtrivseplengths.

% \labelitemi, ii, iii can be choosen by the user via a

% new command \frlabelitems.

% New command \checkitemguillemets to be called inside each

% item marker to allow cehcking of guillemets. --bg 2001/12/26

% \fraddto is similar to \addto but execute the new

% definition to take it's effect immediately depending

% of the language to which it applies. --bg 2001/12/28

% Message number missing ==> -68-. --bg 2002/01/10

% Curiously the english option was never defined before.

% \thispagestyle{empty} didn't apply to the last

% document page. --bg 2002/01/14

% \abbreviations[filename] didn't run due to misplaced

% code (after checking next char.).

% Added "*" facility for checked names in the

% abbreviation file for plurals. --bg 2002/01/21

% Seven bits output messages forced when OT1 font encoding

% loaded over a french format. --bg 2002/01/22

% Removing use of \textdegree which is only defined in TS1

% as well as \char'6 and \char'27 which where font

% encoding dependent. --bg 2002/01/23

% \@makecaption should not expand second parm, otherwise

% extra \else occured with hyperref (as pointed by

% Tristan Lorino).

% License correctly output with upper case letters in

% "French Pro".

% No comma was added beetween consecutive footnotes (or

% \refmark(s). \@Fifnchc didn't execute code when

% test condition was true. --bg 2002/01/31

% New command: \noresetatchapter to avoid footnote

% counter to be reset at chapter change.

% \noreset... commands now controlled by *frenchlayout.

% \printindex modified to be a valid anchor for hyperref

% documents. (subparagraph counter modified).

% Bibliography environnement "thebibliography" modified

% to be referred in the table of contents et be a valid

% anchor when using hyperref. --bg 2002/02/04

% Translate names for the "algorithm" package.

% Let \bibname undefined if not already defined.

% Use \refname instead in thebibliography env. --bg 2002/02/06

% New command \guillemetsfont to allow the user to choose

% any font for typesetting guillemets in a T1 font

% encoding French Pro running scheme. --bg 2002/02/13

%V5,05 \kbtypeout modified; no need of \@kbEdef but

% \nofrenchtypography should apply.

% \kbtypeout is now fully operating. --bg 2002/02/25

% Letting \@nobraces be LaTeX \@firstofone.

% \@kbtypeout should have a {} to gobble.

% \IeC from inputenc made not expanded in \kbtypeout when

% package inputenc loaded erroneously. This will just

% avoid LaTeX to fail but screen/log output will not

% be so readable... --bg 2002/02/28

% Introducing \kbIO as a more general macro to input text

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%         and output it somewhere. --bg 2002/03/01
%     \captionsfrench now tests \iffTR (frenchtranslation).
%     French \textcurrency is now \texteuro. --bg 2002/03/04
%     Let \@kbspecials run only when 8bit output. --bg 2002/03/05
%     As shown by Bernard Alfonsi, the \captionseparator
%         is erroneously typeset when using an empty
%         caption text with the picinst package. In fact there
%         was a test for that in \@makecaption but it tested
%         only one argument which inadequate for picinst. --bg 2002/03/22
%     A problem was reported by Christophe Ancey showing that
%         natbib, when used with option "compress", required
%         unexpandable \mbox, so the original definition of
%         \mbox is reset in the \@citex in use. --bg 2002/04/10
%V5,06 \nombre modified to be running inside arguments of
%         macros (pb was reported by Bernard Alfonsi). --bg 2002/04/26
%     The syntax package is not correctly using < and > in
%         macros definitions; so these symbols should be
%         allways chars. --bg 2002/04/29
%V5,07 \captionseparator was never generated as shown
%         by Frédéric Dupont.
%     \providespackage text modified. --bg 2002/05/23
%V5,08 Modifications for TeX--XeT and hebrew package:
%     - hebrew changed \verypar, wrongly.
%     - when switching to french set LR.
%     - only the first \everypar should set LR.
%     - extra \endL at \endfrench removed.
%     Added message -71- to avoid problem of loading French
%         alone after babel and outside the scope of babel.
%     Wrong call of \@kbttypeout when keyboard package is
%         already loaded.
%     \dGs macro from keyboard.sty should be \empty when orignal
%         macro definitions are modified for active chars; thus
%         i've reset it inside \@Fstr. --bg 2002/08/01
%     Numerous extension to makefiles ; unix support under
%         dos/windows.
%     Released for Dos/Windows --bg 2002/10/25
%V5,09 Support of the subfigure package (reported \label pb from
%         Frederic Petit). --bg 2002/10/29
%
% and also check if there is any frpatch.sty file available.
%
%*****
%
% Object: DOCUMENT CLASS OPTION for printing French texts with TeX or LaTeX
%         as well as english. (or multilingual texts in which French is the
%         main language).
%*****
%
% It can be called:
% via      \usepackage{french}      % french is alone
% or       \usepackage[french]{mlp} % using The Multi-Lingual Package
% or as an option of \documentclass, when using mlp.
%(or via Babel, with less features)
%
% Commands to be used by the end users:
% =====
% \frenchtest      between \document.... and \end{document} will run
%                  the LaTeX "Torture Test" (see french*.tex files).
% \frenchdoc       between \document..... and \end{document} will compose
%                  the LaTeX documentation (see frenchlu.tex file).

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% \french          Apply French conventions including hyphenation,
%                  typography, page layout, titles inside documents and
%                  few other things helping when typing a document.
%                  This is the default language.
% \begin{french}...\end{french} to bind the French text with LaTeX.
% \french ... \endfrench with TeX.
% \pmfrench (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

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%          instead of original characters. "file" is a stream
%          number related to open file defined by \newwrite.
% \def\encodingdefault{...} can be set to "T1" or "OT1" to change the default
%          font encoding that is normally set in the format
%          (with initex material and specially kbconfig.tex)
%-----
% \frhyphex          Reload once French hyphenation exceptions file from
%                   language.dat (give this order in the 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).
% Suboption: \unnumberedcaptions{figure/table} to remove headings in
%                   caption tiltles. This is a global suboption.
%                   It nullify the according \listof...(figures/tables).
%                   It can be used only once. Can't be turned back later

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%               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: \untypedspaces force a space where normally French people
%            type one (before ; : ? ! >> and after <<)
%            \typedspaces 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.
%            \notabbingaccents is the default value.
% 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 \wrongtypedspaces), 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: \wrongtypedspaces suppress spaces before double punctuation
%            (! : ; ?) which was erroneously typed \'a la fran\c caise.
% \text{...} Allows to typeset text in math mode (AmS like command).
%-----
% \frenchlayout Apply:
%               - indentation of all (first LaTeX) paragraphs:
% Suboption: \indentfirst is the default or
%            \nonindentfirst which forces no indentation at all.
%               - set item markers as --. User can choose others
%               markers via the command
%               \frenchlabelitems{\renewcommand{\labelitemi}{...}}.

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%           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 \frenchtrivseplengths{\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.
           - a French pagestyle when starting a Part or a Chapter
             or an Index (provides \printindex).
           - 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
             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).

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%      \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"
%      BUGED!! (\nopagenumbers reintroduced if undefined)
%  \nofrenchlayout      Nullify former actions
%-----
%  \frenchtranslation . Translate all English titles used in LaTeX, to french
%                        and generate French dates. This is the default.
%                        All things should normally run with std LaTeX or Babel.
%                        You can also create your own styles using these captions
%                        A lot of captions are newly defined for letters.
%                        You can also change the titles with your own definitions
%                        by using \fraddto\captionfrench{\.name}{title}.
%  Environment \begin{resume}...\end{resume} to print an abstract
%              . \resume has been defined for French abstracts (we often

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%          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 subsection 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.
%          \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
%          \degrees   for printing (degrees)
%          \leftguillemets for << (unbalanced left guillemets)
%          \rightguillemets for >> (unbal. right guillemets)
%          \fup{X} to put X in a smaller size supscript
%          \primo      \secundo \tertio \quarto \quando={n}
%          [or:\primo) \secundo) \tertio) \quarto) not 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 asis. The first char. of

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%           "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 (\typeout)
%           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.
%%
%*****

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```

%
\newif\ifECM%
% Here come \if-switches codes in case of french.sty badly initiated
\def\ErrFrench{\message{-26- Erreur d\'etec\'ee dans \frenchname.sty !}%
  \message{(voir p.ex. le fichier language.dat)}}%
\def\ifFTY{\ErrFrench}\def\ifFTR{\ErrFrench}\def\ifFG{\ErrFrench}%
\def\ifFLA{\ErrFrench}\def\ifFMA{\ErrFrench}\def\ifFH{\ErrFrench}%
\def\ifArG{\ErrFrench}\def\ifFTSW{\ErrFrench}\def\ifFW{\ErrFrench}%
%
\edef\GOfrench{'\string @}% temp def further correctly defined
\ifnum\catcode\GOfrench=11% mods of code proposed by DT that
  \let\resetat\relax% accepts also that @ were active
  \else\edef\resetat{\noexpand\catcode\GOfrench=\the\catcode\GOfrench}%
  \makeatletter\fi%
%
\let\@currnameORI\@currname% save current package name
\xdef\@currname{\frenchname}% set package req.
{\def'\{\string'\}% to avoid \accent@spacefactor=\undefined (in pr\'e-)
  \ProvidesPackage{\frenchname}[\FSfd\space The French 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
  \typeout{^^J -68- ERROR: \frenchname\space is no more running %
    with 2.09 emulation, sorry!}\expandafter\stop%
\fi%
%
\ifx\l@french\undefined\typeout{^^J -20- WARNING:
  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@%
\ifECM\else\ifx\charsubdef\undefined%
  \typeout{^^J -29- ****Warning****\string: your TeX V3 engine + CM}%
  \typeout{-29- fonts (your format default) isn't sufficient to hyphenate}%
  \typeout{-29- words containing diacritics (like in French).}%
\fi\fi%
\ifx\undefined\@dblarg% ..... \@dblarg
\long\def\@dblarg#1{\@ifnextchar[{\#1}{\@xdblarg{\#1}}}%
\long\def\@xdblarg#1#2{\#1[\#2][\#2]}%
\fi%

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\newdimen\@FrDimen% general def for the style
\def\usualmessages{\let\ifEightBitOutput\iftrue}%
  \ifnum\inputlineno=-1\def\@o@1{.}% may be negative
  \else\def\@o@1{ ('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\stringc\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@\typeout{ERROR: check for lplain.tex in ALIRE}\stop\fi%
%
\let\@FrReg\iftrue\def\@FrVal{}}%
\begingroup%
\let\@FrReg\iftrue\def\@FrVal{0pt}\let\@FrGo\endgroup%
\let\ladate\@tempcnta\let\lasem\@tempcntb%
\def\Todate#1#2#3{\ladate=#2\advance\ladate by -2000\multiply\ladate by 100%
  \advance\ladate by 2000\advance\ladate by #18000%
  \lasem=#3\multiply\lasem by 4%
  \if#12\advance\lasem by -4\edef\@tempb{\string>}}%
  \else\advance\lasem by 4\edef\@tempb{\string<}\fi%
  \advance\ladate by \lasem%
  \let\laver=\@tempcntb\laver=\@FSfv%
  \if#12\advance\laver by 200\else\advance\laver by 400\fi
  \multiply\laver by 100000%
  \let\lakey=\laver\advance\lakey by \ladate%
  \@FrDimen\lakey sp%
  \def\@tempd{\ifdim0pt=\@FrVal\else%
    \ifdim\@FrDimen\@tempb\@FrVal\def\@tempa{}}%
    \else\ifdim\@FrDimen=\@FrVal\def\@tempa{}}%
    \fi\fi\fi}%
  \@FrReg\def\@tempa{\let\@FrReg=\iffalse%
    \def\@FrGo{\endgroup\stop}%
    \edef\@FrVax{NO MORE }\let\@tempg\fi}%
  \expandafter\@tempd%
  \fi\@tempa%
}%
\def\@tempc{\endlinechar=-1\def\@FrVal{}}%
  \read\@inputcheck to \@FrVal\read\@inputcheck to \@FrVal%
  \@FrVal\def\@FrVal{0pt}\read\@inputcheck to \@FrVal%
  \ifx\@FrVal\empty\def\@FrVal{0pt}\edef\@FrVax{UN}\fi%
  \Todate{2}{\the\year}{\the\month}\edef\@tempe{\the\@FrDimen}%
  \ifdim0pt=\@FrVal\edef\@FrVax{UN}\fi%
  \read\@inputcheck to \@FrVal%
  \ifx\@FrVal\empty\def\@FrVal{0pt}\edef\@FrVax{UN}\fi%
  \@FrReg\ifx\@FrVal\empty\def\@FrVal{0pt}\fi%

```

```

\Todate{4}{\the\year}{\the\month}%
\fi
\ifdim0pt=\@FrVal\edef\@FrVax{UN}\fi%
\read\@inputcheck to \@FrVal%
\endlinechar'\^^M%
}%
\openin\@inputcheck=frlicense.dat %
\let\@tempa\relax\def\@Ffnt#1{\typeout{-2- #1 file not found.}}%
\ifeof\@inputcheck\@Ffnt{frlicense.dat}\def\@tempa{\endgroup\stop}\fi%
\@tempa\@tempc%
\closein\@inputcheck%
\def\@tempa{\let\@FrReg\iffalse}%
\def\@tempb{0pt}%
\ifx\@FrVal\empty\def\@FrVal{0pt}\fi%
\ifx\@FrVal\@tempb\@tempa\Todate{4}{\the\year}{\the\month}%
\immediate\openout\@inputcheck=frlicense.dat %
\catcode'\%=12\immediate\write\@inputcheck{\string%%
frlicense.dat file providing license numbers for French Pro}\catcode'\%=14
\immediate\write\@inputcheck{\noexpand\makeatletter\noexpand\let%
\noexpand\@nodocument\noexpand\@end}%
\immediate\write\@inputcheck{\@tempe}\advance\@FrDimen by 5 sp%
\immediate\write\@inputcheck{\the\@FrDimen}%
\edef\@FrVal{ONE MONTH TRIAL (starting \the\year/\the\month/\the\day)}%
\immediate\write\@inputcheck{\@FrVal}%
\immediate\write\@inputcheck{This is a private file. Never copy. %
never modify.}%
\immediate\write\@inputcheck{Ne jamais modifier, ni recopier ce fichier.}%
\immediate\closeout\@inputcheck\let\@FrGo\endgroup%
\fi%
\def\@tempa{ONE}%
\def\@tempc#1 #2@nil{\def\@tempc{#1}}\expandafter\@tempc\@FrVal{} \@nil%
\def\@tempb{\let\@FrReg\iffalse\edef\@FrVax{UN}}%
\ifx\@tempc\@tempa\@tempb\fi%
\def\@tempb{\let\@FrReg\iffalse\edef\@FrVal{\@FrVax REGISTERED COPY}}%
\ifx\@FrGo\endgroup\else\@tempb\fi%
\@FrReg\typeout{^^J -*- French Pro serial number is *\@FrVal*}%
\else\expandafter\typeout{^^J -*- \@FrVal\space of French Pro.}%
\fi\@FrGo%
%#>
\def\@tempa{\let\ifEightBitOutput\iffalse}%
\ifx\EightBitOutputfalse\undefined\expandafter\@tempa\fi%
\let\@tempc\relax% AmS bug: \@tempc=\if.
%
\ifx\today\undefined\let\today\cejour\fi% for lettre.cls
\ifx\today\undefined\typeout{^^J -52- Error: the \frenchname\space
package doesn't run in 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%
}%
%
\def\@fw#1{{\let\@nobraes\@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\@noblaces\@aiguORI##1}%
\def\'##1{\expandafter\@noblaces\@gravORI##1}%
\def\^##1{\expandafter\@noblaces\@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"
\@fw{^^J -23- Extension \string : style \frenchname\space%
\string\fontstyleid\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@1}%
\fi%
}}% Notice: after \begin{document} there is no more need to
% protect active characters against expansion.
\ifx\kbtypeout\undefined%
% Notice that \kbtypeout can be set to \relax\egroup by keyboard.sty.
\def\@kbtypeout[#1]#2{\ifEightBitOutput\let\@typeset@protect\protect\fi%
\let\@inpenc\undefined\@gobble% To avoid loop.
\edef\@tempa{#2\empty}% Expand it now and type out.
#1{\@tempa}\egroup}%
\def\kbtypeout{\kbIO\typeout}%..... \kbtypeout
\def\kbIO{\bgroup%..... \kbIO
\ifECM\fontencoding{OT1}\selectfont\fi% Basic fontencoding needed.
\nofrenchtypography%
\let\@noblaces\@firstofone% could be provided separately,
\let\protect\string%
\ifEightBitOutput% eg by kbconfig.
\def\'##1{\expandafter\@noblaces\@aiguORI##1}%
\def\'##1{\expandafter\@noblaces\@gravORI##1}%
\def\^##1{\expandafter\@noblaces\@acchORI##1}%
\def\'##1{\expandafter\@noblaces\@tremORI##1}%
\def\c##1{\expandafter\@noblaces\@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\@noblaces\@firstofone%
\ifEightBitOutput%
\ifx\charsubdef\undefined\else%
\def\'##1{\expandafter\@noblaces\@aiguORI##1}%
\def\'##1{\expandafter\@noblaces\@gravORI##1}%
\fi%
\else%

```

```

\let\protect\string\let\add@accent\@gobble%
\fi%
\@kbttypeout[\typeout]{^^J \frenchname.sty \string : #1\@o@1}%
\fi%
}% Notice: after \begin{document} there is no more need to
\fi
%
\def\@Ffnt#1{\@fw{-2- fichier #1 non trouv\'e}}%
\def\@fininput#1{\InputIfFileExists{#1}{\@Ffnt{#1}}}%
\def\@NoFr{\@fw{-3- l'option \frenchname\space n'est pas active 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}%
%
\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\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\csize the#1\endcsize}\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\csize\string\listing\endcsize {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%

\ifx\inputlisting\undefined\else%..... \inputlisting
\let\fr@PL\lst@ProcessListing\def\lst@ProcessListing[#1]{%
\ifFrench\english\fr@PL[#1]\french%
\else\fr@PL[#1]%
\fi\relax}%

\fi%

% For listings package > (or equal to) V0.2000
\ifx\lstlisting\undefined\else%..... \lstlisting
\let\fr@lsi\lstlisting\long\def\lstlisting{% for listings package
\ifFrench\expandafter\english\expandafter\fr@lsi%
\else\expandafter\fr@lsi%
\fi}%

\fi%

\ifx\lstinputlisting\undefined\else%..... \lstinputlisting
\let\fr@PL\lst@ProcessListing\def\lst@ProcessListing[#1]{%
\ifFrench\english\fr@PL[#1]\french%
\else\fr@PL[#1]%
\fi}%

\fi%

%#<
\def\ifFrench#1\fi{\@NoFr}% a temporary definition for error messages
%(\endnonfrench remains \undefined)
\def\originalinput#1{\ifFrench\english\@finput{#1}\french%.... \originalinput
\else\@finput{#1}\fi\relax}%

\def\originaloutput[#1]{%..... \originaloutput
\bgroup\ifFrench\english\fi%
\def\@originalout##1##2{\immediate\write##1{##2}\egroup}%
\@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}%
\@finput{\jobname.ind}}}%}%

\let\@tbs\thebibliography%
\long\def\thebibliography#1{\@tbs{#1}%..... \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%
}%

```

```

\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\if@Back\ifFTY\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\pmmfrench{\@PMFtrue\@fw{-4- entering now "Poor-Man-French-Style" way}%
    \def\frenchname{pmmfrench}}%

%#>
% Font processing
%
% look at \GOfrench for \footnotesize, \Huge, \sm@ller, \l@rger and co.
%
% information messages:
\message{-24- \frenchname.sty utilise dans ce document le codage de fonte %
    \f@encoding.^J}%

%
\message{-25- \frenchname.sty affiche ici ses messages en %
    \ifEightBitOutput8-bits.\else7-bits << \string\`a la TeX >>.\fi^J}%

%
%For testing purposes ..... \CheckSevenBits
\def\CheckSevenBits/#1{\def\@tempa##1##2/##3{\ifx##2\empty\else%
    \@fw{- 51 - ERREUR : ce document n'a pas \`et\`e converti en 8-bits...}%
    \expandafter ##3\fi}\expandafter\@tempa\noexpand#1}%

%
\@ifundefined{tt}{\def\tt{\fontfamily{\ttdefault}\selectfont}}{}%..... \tt
%#<
% What font use for guillemets?
% if \guillemetsinallfonts: the current font
% if \guillemetsinroman: 1- try EC 2- or lasy 3- otherwise math simulation
\let\ifGIAF\iftrue% by now assume guillemets in all fonts
\@ifundefined{ly}% try to define \ly with NFSS ..... \ly
    {% Allways load latexsym in case of any OT1 usage.
        \ifx\symlasy\undefined% if nfltxsym option not used
            \ifx\undefined\babel@core@loaded%
                \RequirePackage{latexsym}% load LaTeX symbols defs
            \else% special case Babel (dont use \usepackage)
                \xdef\@currname{latexsym}% set package req.
                \@@input latexsym.sty\@@input ulasy.fd%
            \fi%
        \fi%
    }%
\def\@ly{\fontencoding{U}\fontfamily{lasy}% set encoding & family

```

```

        \ifGIAF\else\fontseries{m}\fontshape{n}\fi\selectfont}%
\def\ly{\ifFG\ifECM\rm\else@ly\fi\fi}% default is rm otherwise lasy.
}{}%
%
\ifx\guillemetsfont\undefined%
\def\guillemetsfont{\fontfamily{\rmdefault}%..... \guillemetsfont
\fontseries{m}\fontshape{n}\selectfont}%
\fi%
\def@gfnt{\guillemetsfont}% Default guillemets' font is \rm.
%#>
% \string definitions and saved chars
%
\edef\lq{\string'}\edef\rq{\string'}% as usual in LaTeX ..... \lq \rq
\let@cilk='% 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@cldp=% 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\ditto mark{\string"}%..... \ditto mark
\let\f@par\par% save it for \lettrine inside a list environment.
\let@SLQ\lq%
\def@SRQ@{^{\bgroup\prim@s}%
\def@SRQ{\ifmmode\expandafter@SRQ@\else\rq\fi}%
%#<
\let@gotl\guillemotleft%
\let@gotr\guillemotright%
\def@temp@{LO1}\ifx@temp@\f@encoding%
\else\edef@temp@{OT1}\fi%
\def@tempa#1{\expandafter\relax% define OT1-guillemets or LO1 ones
\expandafter\global%
\expandafter\def%
\csname@temp@\string#1\endcsname}%
\@tempa{\guillemotleft}{\let\ifECM\iffalse%
\ifFG\ly(\kern-0.20em\else<<\fi}%
\@tempa{\guillemotright}{\let\ifECM\iffalse%
\ifFG\unskip% last kern was not in the correct font.
\ly\kern+0.20em\kern-0.20em)%
\else>>%
\fi}%
\let@LSG\inferieura\def@DOG{\inferieura\inferieura}%
\let@RSG\superieura\def@DFG{\superieura\superieura}%
\def@SOC{\string[% ] emacs
}%
\def@SFC{% [ emacs
\string]}%
\edef@LP{\ifECM023\else(\fi% ) emacs
}%
\edef@RP{% ( emacs
\ifECM024\else)\fi}%
%#>
% Define Options ..... French style OPTIONS definitions
%
\newif\ifFH%
\let@noBDfr@nocument% 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}%
\fi%
%\def\nombre{\@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@currentvir\let\protect\noexpand%
    \else\ifx@tempb@currentvir\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\ifftrue}%
\ifx\iffrenchbibliography\undefined\expandafter@tempa\fi%
%
```

```

\ifx\nombre\undefined\else\let\@nomORI\nombre\fi%
%
\begingroup\obeyspaces%
\gdef\@nombre{\ifFTY\@mathcomma\obeyspaces\let =\,\fi}%
\endgroup%
\def\@nombre#1{\bgroup\let\ifFTY\iftrue\def\@tempa{#1}%
\def\,\{\ifmmode\mskip\thinmuskip\fi}%
\if@filesw{\immediate\openout\@inputcheck=\jobname.tmp%
\ifmmode%
\immediate\write\@inputcheck{\noexpand\makeatletter%
\noexpand\@nombre%
\@tempa\ignorespaces}%
\else%
\immediate\write\@inputcheck{\noexpand\makeatletter%
\noexpand\@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%
}%
\DeclareRobustCommand*\@nombre{\@nombre}% Define \nombre for french light.
%
\def\@ifo{% \GOfrench 1st part: options to be defined at \begin{document}
\let\s@owhyphens\showhyphens%
% Save original settings of \dospecials et \@sanitize
\let\@dsORI\dospecials%.....\dospecials.....original
\@ifundefined{@sanitize}{\def\@sanitize{\relax}}{}%
\let\@saORI\@sanitize%.....\@sanitize.....original
\def\frenchhyphenation{%
\ifFH\else\FHtrue%.....\frenchhyphenation
\edef\@uchORI{\the\uchyph}% save previous uchyph value
\def\@Hif{\ifFH}\let\@Hfi\fi%
\lccode \'=\'\'%
\ifx\flowercase\undefined\else\let\lowercase\flowercase\fi%
\@ifundefined{allowhyphens}{% ..... \allowhyphens
\def\allowhyphens{\ifhmode\nobreak\hskip\z@skip\fi}}{}%
% % There is no need to change here left&right hyphenmin counts
% % but other languages might have changed default values
\@ifundefined{lefthyphenmin}}{}%
{\lefthyphenmin=2\righthyphenmin=3}% disallow x- or -xx breaks
\@whatUCH% set Upper Case Hyphenation whatsit
\def\@tempa####1{\@accenthyphcodes\h@yphenation{####1}}}%
\ifx\@tempa\hyphenation%
\@fw{-41- your format is out of date, %
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\font@hyphenation%

```

```

\def\showhyphens####1{\bgroup%
\csname accenthyphcodes\endcsname%
\protected@edef\@tempa{####1}%
\s@owhyphens{\@tempa}\egroup}%
\fi}%\ifFH
\def\nofrenchhyphenation{%
\ifFH\FHfalse%.....\nofrenchhyphenation
\lccode\'=0%
\let\hyphenation\h@yphenation% restore original \hyphenation
\let\showhyphens\s@owhyphens%
\ifx\lowercaseORI\undefined\else\let\lowercase\lowercaseORI\fi%
\@ifundefined{lefthyphenmin}{}%
{\lefthyphenmin=2\righthyphenmin=3}% disallow x- or -xx breaks
\uchyph=\@uchORI%reset original hyph. on words starting with capitals
\fi}%
%
\def\regularmathcomma{%.....\regularmathcomma
\def\@mathcomma{\mathcode\'="613B}\@mathcomma}%
\def\@tempa{\if\space\next\else\mathord\fi\mathcomma}%
\let\ifFTY\iftrue% For the following definition :
\ifx\@tempa\sm@rtcomma% In case icomma is in force we use :
\def\frenchmathcomma{%.....\frenchmathcomma
\def\@mathcomma{\ifFTY\mathcode\'="8000\fi}%
\@mathcomma}%
\else% otherwise :
\def\frenchmathcomma{\def\@mathcomma{\ifFTY\mathcode\'="013B\fi}\@mathcomma}%
\fi%
\frenchmathcomma% Is the default for french.
\def\ifFTY{\ErrFrench}%
%
\def\nofrenchtypography{%.....\nofrenchtypography
\let\ifFTY\iffalse%
% Reset OT1 definition of \textbackslash to undefined.
\expandafter\let\csname OT1\string\textbackslash\endcsname\undefined%
\nofrenchguillemets% resetting
\sloppy% may extend line past the right hand
\nonfrenchspacing%
\regularmathcomma%
}%
\def\frenchtypography{%.....\frenchtypography
\let\ifFTY\iftrue%
% Add OT1 definition of \textbackslash, missing inside \LaTeX.
\expandafter\let\csname OT1\string\textbackslash\endcsname\@boiORI%
\let\ifLPA\iffalse% default is clean...
\typespaces%
%#<
\nowrongtypedspaces%
\notabbingaccents% useless with ECM
\englishquote\englishdoublequotes%
\nolabelsinmargin%
\frenchguillemets%
\normalbrackets\todayguillemets%
\guillemetsinroman\guillemetsinarrays%
%#>
\edef\@tempa{\the\vfuZZ}% AmS may have changed \vfuzz
\vfussy% 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\nofrenchguillemets\relax% Should be relax for french light.
%#<
\def\frenchguillemets{%
    \let\ifFG\iftrue%..... \frenchguillemets
    \let\guillemets\@LG%
    \let\endguillemets\RG@%
    \let\guillemotleft\f@guillemets%
    \let\guillemotright\endf@guillemets%
    \AFPinsup}%
\def\nofrenchguillemets{%
    \let\ifFG\iffalse%..... \nofrenchguillemets
    \let\guillemotleft\@gotl%
    \let\guillemotright\@gotr%
    \let\guillemets\f@guillemets%
    \let\endguillemets\endf@guillemets%
    \DFPinsup}%
\def\noeveryparguillemets{\let\ifEPG\iffalse%.....\noeveryparguillemets
    \@desarm\let\@desarm\relax% release memory
    \def\guillemets{%\leavevmode\unskip%
        \@fw{-53- environnement guillemets %
            inutilisable avec l'option %
            \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\nofrenchlayout{\nofrenchtrivsep%
    \let\ifFLA\iffalse\@EIM}%.....\nofrenchlayout
\def\frenchlayout{%
    \let\ifFLA\iftrue\everyparguillemets%.....\frenchlayout
    \@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\sfcode'\(=0\sfcode')=1000\fi}%
%%%
% let < ' ' > active for the following macros and
\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}%
\let\dGs\empty}% Nullify any \dGs macro from keyboard.sty.
\let\@s@ORI\special%..... \special
% done in \GOfrench:
%\def\special#1{\@ifFTYfalse\bgroup\@Fstr\@s@ORI{#1}\egroup\@ifFTYback}%
% \newcount, \newdimen, \newbox were \outer defs in plain.
\def\newcount{\alloc@0\count\countdef\insc@unt}%..... \newcount
\def\newdimen{\alloc@1\dimen\dimendef\insc@unt}%..... \newdimen
\def\newbox{\alloc@4\box\chardef\insc@unt}%..... \newbox
%
%..... Macros to be replaced by better packages ones
%
%\def\@tempa{%
%
\def\text##1{% ams like command ..... \text
\ifFTY\mbox{##1}\else ##1\fi}%
%
}%
%\ifx\text\undefined\expandafter\@tempa\fi%
%
%..... Modified package's & LaTeX macros
%% defs which need to be set at \begin{document} are delayed.
% take in account varioref package if present:
\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
}%
}}%
\fi%
%
\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%

```

```

\@ifundefined{smaller}{\def\smaller{\small}% ... you can use ...[smaller.sty]
\def\larger{\large}}%
{\ifx\undefined\smaller% ... you can use ...[relsize.sty]
\let\smaller\smaller\fi}%
\@ifundefined{footnotesize}{%..... \footnotesize
\def\footnotesize{\smaller\smaller}}}%
\@ifundefined{Huge}{%..... \Huge
\def\Huge{\larger\larger\larger\larger\larger}}}%
%#<
\@ifundefined{lettrinefont}{\let\lettrinefont\Huge}}}%..... \lettrinefont
\let\sv@lf=\lettrinefont% save it
%#>
% 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 original \contentsline for hyperref.
\else\let\contentslineORI\contentsline\fi%
% Coding to bypass pb of duplicate in hyperref < 6,69f
%\ifx\undefined\pdfstringdef\@tempa% Using pdfTeX hyperref should
% \else\ifx\theHchapter\undefined% have no \thechapter otherwise
% \else\@tempa% it complains arguing there is a duplicate section
% \fi% #,
%\fi% so we no more define \thechapter in that case.
\@ifundefined{l@chapter}{%..... \l@chapter
\def\@tempa{%
\def\l@chapter####1####2{\addpenalty{-\@highpenalty}%
\vskip 1.0em plus\p@\@tempdima 1.5em% numbering size
\begingroup%
\parindent \z@ \rightskip \@pnumwidth \parfillskip -\@pnumwidth%
\bfseries \leavevmode \advance\leftskip\@tempdima \hskip -\leftskip%
####1\nobreak\hfil\nobreak\hbox to\@pnumwidth{\hss ####2}\par%
\penalty\@highpenalty%
\endgroup}}%
\ifx\RIfM@\undefined\@tempa% use l@chapter
\else% % even with AMS styles
\ifx\fr@RIfM@cls\undefined\@tempa
\fi% but not for AMS classes
\fi}}}% undefined in article.sty
% Due to resetting of chapter counter at part change we have to better
\@ifundefined{theHchapter}{% qualify the chapter anchor names.
{\renewcommand{\theHchapter}{\arabic{part}.\arabic{chapter}}}}%
%
% General code for generating replacement macros for \cite \nocite etc.
% \@gG{a string "s" for letting \@s"@ORI as the original macro}
% {original macro name -without backslash}
% {string "/" if original macro had no [optional arg] otherwise empty}
% "1" if original macro has one [o.p. arg 1]
% "2" if original macro has two [o.p.1][o.p.2]
% "/"if no optional arg but more than one required arg:
% {number of required args} % default is 1, maximum is 3.
\def\@gG##1##2##3##4{%
\def\@temp@{\expandafter\let\csname @##1@ORI\endcsname=}%

```

```

\expandafter\@temp@\csname ##2\endcsname%
\if##3\empty%
  \if2##4%
    \expandafter\def\csname ##2\endcsname####1####2%
      {\protect\atgG{##1}{####1}{####2}}}%
  \else%
    \if3##4%
      \expandafter\def\csname ##2\endcsname####1####2####3%
        {\protect\atgG{##1}{####1}{####2}{####3}}}%
    \else%
      \expandafter\def\csname ##2\endcsname####1%
        {\protect\atgG{##1}{####1}}}%
    \fi%
  \fi%
\else% Case of just one required argument, check optional args:
  \if/##3\expandafter\def\csname ##2\endcsname{\protect\atgH{##1}}%
  \else\expandafter\def\csname ##2\endcsname{\protect\atgM{##1}}%
  \fi%
\fi}%
\def\atgG##1##2{\bgroup\@ifFTYfalse\@Fstr%
  \expandafter\csname @##1@ORI\endcsname##2\egroup}%
\def\atgH##1##2{\bgroup\@ifFTYfalse\@Fstr%
  \expandafter\csname @##1@ORI\endcsname{##2}\egroup}%
\def\atgM##1{\@ifNextNB[{\@gM@{##1}}{\@gM@{##1}[\empty]}]%emacs
}%
\def\atgM@##1{\@ifNextNB[{\@gM@{##1}}{\@gM@{##1}[\empty]}]%emacs
}%
\def\@gM@##1[##2]##3{\bgroup\@ifFTYfalse\@Fstr%
  \xdef\@temp@{\noexpand\@gG@{##3}}\egroup%
  \protected@edef\@gG@{##2}%
  \ifx\@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\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}{##2}{##3}\@ifFTYback}%
\fi%
\ifx\texttt\undefined\else\@gG{xt}{texttt}{/}{1}\fi%..... \texttt
\ifx\hyperbaseurl\undefined\else\@gG{hl}{hyperbaseurl}{/}{1}\fi%. \hyperbaseurl
\ifx\Gininclude@graphics\undefined\else\@gG{ig}%..... \Gininclude@graphics
  {\Gininclude@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}%
% the following doesn't seem to be usefull
%\let\@Ntd\NAT@testdef\let\@lbi\@lbibitem%

```

```

% \def\NAT@testdef##1##2{\@ifFTYfalse\bgroup\@Fstr%
% \@Ntd{##1}{##2}\egroup\@ifFTYback}%
% \def\@lbibitem[##1]##2{\@ifFTYfalse\bgroup\@Fstr%
% \@lbi[##1]{##2}\egroup\@ifFTYback}%
\fi%
\ifx\nocite\undefined\else\@gG{nc}{nocite}{/}{1}\fi%..... \nocite
% As \bibcite has not originally any argument the following definition
% is remove and \@newl@bel is introduced in replacement of \newlabel.
\ifx\bibcite\undefined\else\@gG{bc}{bibcite}{1}{1}\fi%..... \bibcite
\ifx\backcite\undefined\else\@gG{bk}{backcite}{/}{2}\fi%..... \backcite
\ifx\bibitem\undefined\else\let\@biORI\bibitem% ..... \bibitem
\def\@LiN{\let\@sogORI<\let\@sfgORI>\let\@lqORI'\let\@rqORI'\let\@dqORI"%
\@Fstr\@ifFTYfalse}%
\def\@LiB{\let<\@sogORI\let>\@sfgORI\let'\@lqORI\let'\@rqORI%
\@ifFTYback}%
\def\bibitem{\@LiN\@ifNextNB[{\@bi@cb}{\@bi@ca}%]emacs
}%
\def\@bi@ca##1{\@biORI{##1}\@LiB}%
\def\@bi@cb[##1]##2{\@biORI[##1]{##2}\@LiB}%
\fi%
% 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\f@pageref\pageref\@gG{fpr}{f@pageref}{/}{1}%
\def\pageref{\ifFTY\expandafter\f@pageref\else%.....\pageref
\expandafter\pageref@ORI\fi}%
\fi%
\csname @vrfCode\endcsname% load mods for varioref package \vref, \vpageref
\xdef\@lim{\let\ifMOVING\iffalse%
% The label for the subfigure package ..... \sf@sub@label
\ifx\sf@sub@label\undefined\else\@gG{ss}{sf@sub@label}{/}{1}\fi%
% Set code for labels in margin.
\def\@temp@{%
\def\label{\protect\@Label}% needed to be protected for \thanks
\def\@Label####1{\@ifFTYfalse\if@labelsinmargin\ifMOVING%
\xdef\@lim{\ifx\@lim\empty\else\@lim\@par\relax\fi[####1]}%
\gdef\@lim@{\@ifFTYfalse\hbadness=\@M\tt\@lim\@ifFTYback}%
\else\marginpar{%
\@ifFTYfalse\hbadness=\@M\tt[####1]\@ifFTYback}\fi\fi%
% how suppress Overful \hbox here?
\bgroup\@Fstr\@lORI[####1]\egroup\@ifFTYback}%
}%
\ifx\fr@RIfM@cls\undefined\else% isolate maketitle action with AmS classes.
\let\@mtORI\maketitle% ..... \maketitle
\def\maketitle{{\@mtORI}}% avoid removing of keywords environment.
\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\fi% that we are in a list environment..... \list
  \let\@topsepORI\topsep% ans save original vertical
  \let\@partopsepORI\partopsep% spaces
  \let\@itemsepORI\itemsep% so that we could warn when
  \let\@parsepORI\parsep% user try to change them.
\def\warn@seps{\def\topsep{\@w@s{\topsep}\@topsepORI}%
  \def\partopsep{\@w@s{\partopsep}\@partopsepORI}%
  \def\itemsep{\@w@s{\itemsep}\@itemsepORI}%
  \def\parsep{\@w@s{\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\@fw{-58- valeur de \string##1 ignor\'ee%
%
  dans l\string\'environnement \@currenvir%
  }\fi}%
\def\org@seps{\let\topsep\@topsepORI%
  \let\partopsep\@partopsepORI%
  \let\itemsep\@itemsepORI%
  \let\parsep\@parsepORI%
}%
\def\list##1##2{\def\@inAlist{\@liORI{##1}}%
  \ifx\@trivlist\@tlori\else\warn@seps\fi%
  ##2\org@seps}}%
\ifx\@makecaption\undefined\else\let\@mcORI\@makecaption\fi.... \@makecaption
%
\def\captionseparator{~--}%..... \captionseparator
\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%
\fi%
\def\@makecaption##1##2{\ifFTY%
%
  \def\@firstofmany####1####2\void{####1}%
%
  \edef\@tempa{\@firstofmany##2\void}\expandafter%
%
  \ifx\@tempa\ignorespaces%

```

```

\def\@secondofmany####1####2\void{####2}%
\def\@tempa{\@secondofmany##2\void}%
\ifx\@tempa\empty%
\let\captionseparator\empty%
\fi%
\@mcORI{##1}{\relax% for AmSLaTeX V1.2 96/11
\captionfont{##2}}%
\else\@mcORI{##1}{##2}\fi}%

%
%Leslie claims that "The footnotemarker is regarded as having zero width, which
%is appropriate when it comes at the end of line"(p164) <== not a French habit.
\def\@temp@{%
\def\thanks####1{\global\let\@makefntext\fr@makefntext%..... \thanks
\bgroup%
\ifFTY\ifhmode\ifdim\lastskip>\z@\unskip\fi\nobreak\fi%
\def\@footnotemark{\hbox{\@textsuperscript{\normalfont\,\@thefnmark}}}%
\fi\@thORI{####1}%
\egroup}%
}%
\ifx\thanks\undefined\else\let\@thORI\thanks\@temp@\fi%
\let\ifFTY\iffalse% temp def for next processing
\ifx\@makefnmark\undefined\else\let\@mfnmORI\@makefnmark%..... \@makefnmark
\def\@makefnmark{\ifFTY\hbox{\@textsuperscript{\normalfont%
\ifx\thefootnote\relax\else\,\fi%
\@thefnmark}}}%
\else\@mfnmORI\fi}%
\fi%
\def\@temp@{\long\def\fr@makefntext####1{% footline starts here %
\bgroup%
\ifFTY\def\@tempa{footnote}\let\@tfnORI\@thefnmark%
\ifx\@tempa\@mpfn%do it only for page footnotes not minipages ones
\def\@thefnmark{% marker under the footline, no more in superscript.
% two grouping levels in pure 2e.
\egroup\egroup% no point when no marker
\long\def\@tempa{\fnsymbol{footnote}}%
\ifx\@tempa\thefootnote% When using symbols put them
\expandafter\raise+0.55ex% higher (cf Lexique IN p. 33)
\fi% \thefootnote
\hbox\bgroup\textnormal\bgroup%
\def\@temp@{%
\ifx\fr@RIfM@cls\undefined% Remove space when \thanks and AmS classes.
\ifx\thanks\relax\else\kern-1.1\parindent\fi% .1 should be explained.
\else \kern-\parindent% otherwise remove superfluous spacing.
\fi%
%\@ifnextchar\relax{\def\@temp@{\,\,}}% Preferred:
\@ifnextchar\relax{\def\@temp@{\hphantom{.}\kern+0.25em}}%
{\def\@temp@{.\kern+0.25em}}%
}%
\expandafter\@temp@\@tfnORI\@temp@%
}%
\leavevmode\kern+0.5em% add some spacing for at least 3 digits
\else\def\@thefnmark{\@tfnORI\,\,}\fi% add thin space in mpfootmarks
\fi\@mfntORI{####1}\egroup}% \@makefntext
}%
\let\@mfntORI\@makefntext\@temp@%
\let\@makefntext\fr@makefntext%..... \@makefntext
\def\ifFTY{\ErrFrench}%
\let\@fntORI\@footnotetext% nullify marginpar in ..... \@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####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\@Ffloat##1[##2]{\@xforI{##1}[##2]\csize @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\@Ffloat%
\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
\def\fr@fn@[##1]##2{\footnotemark% tables caption or in
\@fw{-8- \string\footnotetext{##2} perdu}% \mbox
\@fw{-8- 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\@c@type\undefined\def\@c@type{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\@Ffloat%
\fi%
\@tbeORI}%
\expandafter\let%
\expandafter\@dbtbeORI\csize table*\endcsname% ..... \table*
\expandafter\def\csize table*\endcsname{\let\ifMOVING\iftrue%

```



```

\let\if@minipage\iftrue%
\ifFLA\begingroup%
\def\@mpfn{\mpfootnote}%
\def\thempfn{\thempfootnote}\c@mpfootnote\z@%
\ifx\@capytype\undefined\def\@capytype{table}\fi% for amsbook
\let\caption\@tablescaption% allow page footnote in \caption
\let\@footnotetext\@mpfootnotetext\fi%
\ifx\@xfORI\undefined%
\let\@xfORI\@xfloat\let\@xfloat\@Ffloat%
\fi%
\@dbtbeORI}%
}%
\ifx\table\undefined\let\@temp@\relax\fi\@temp@%
\def\@Fendtable{%
\let\@etORI\endtable%..... \endtable
\def\endtable{\ifFLA\par%
\vskip-\lastskip% make footnotes here
\ifvoid\@mpfootins\else\vskip\skip\@mpfootins%
\footnoterule\unvbox\@mpfootins\fi%
\fi\@etORI\ifFLA\endgroup\fi%
\ifx\@lim\empty\else\marginpar{\@lim@}%
\xdef\@lim{}\fi\let\ifMOVING\iffalse}%
}%
\expandafter\ifx\csname endtable*\endcsname\relax%
\expandafter\let\csname endtable*\endcsname\endgroup\fi% for ams classes
\expandafter\def\csname @Fendtable*\endcsname{%
\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}%
}%
\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@\fi% is also used in frenchll for testing purpose
%#<
\def\drapaeaufg{\ifFLA%..... \drapaeaufg
\raggedright\hbadness=6000%
\rightskip=0.3em plus 0.75em\hfuzz=0.4em\relax%
\let\enddrapaeaufg\par\fi}%
\def\drapaeaufgIN{\ifFLA%...../..... \drapaeaufgIN
\raggedright\hbadness=6000%
\rightskip=0.3em plus 0.75em\hfuzz=6em%
\lefthyphenmin=12\righthyphenmin=10\relax%
\let\enddrapaeaufgIN\par\fi}%
\def\drapaeaufd{\ifFLA\raggedleft%..... \drapaeaufd
\let\enddrapaeaufd\par\fi}%
\def\drapaeaufdIN{\ifFLA%..... \drapaeaufdIN
\raggedleft\hfuzz=6em%
\lefthyphenmin=12\righthyphenmin=10\relax%
\let\enddrapaeaufdIN\par\fi}%
%#>

```

```

\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%
% continuing definition of \GOfrench
  \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%
  \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: \frenchname!}}}%
\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:
\@input{frpatch.sty}%
\ifx\FSfd@patch\FSfd\else
  \@fw{-42- The French patch file (frpatch.sty) is not suitable^^J%
  for this version of the "french" package dated \FSfd}\batchmode\@end%
\fi%

      \let\@Ffnt\ErrFrench\let\ErrFrench\undefined% ditto
      \InputIfFileExists{\frenchname.cfg}{% load site config file.
        \@fw{-48- Lecture du fichier de %
          configuration de \frenchname}}{}}%
      \beginlanguage}% now the new language

%%%
\let\@dORI\document%..... \begin{document}
\def\document{% \slidesonly of seminar must not gobble me!
  \ifx\noxcomment\undefined\else%
    \global\let\@x@hk\xcomment@hook\global\noxcomment\fi%
    \@dORI% execute original \document
    \GOfrench% now initiate the style
    \let\GOfrench\undefined% release memory
    \ifx\noxcomment\undefined\else\let\xcomment@hook\@x@hk%
      \expandafter\xcomment@hook\fi}%
% now reset < ' ' > as other chars
\@makeother'\@makeother<\@makeother>\@makeother'%
% ReRead of aux file at \end{document} may create problems.
% As French things are already applied, so it's unuseful after \end{document}
\let\enddocumentasusual\enddocument%..... \enddocument
\def\enddocument{\csname f@lastpage\endcsname% Allow user mods here.
  \@CGroup% end any remaining opened << group
  \ifFLA% At the real end of document we should
    \AtEndDocument{\french\clearpage\endfrench}% output last page in french.
%%% Notice we specially use \AtEndDocument to avoid AmS hook material
%%% to print outside of the current (final) page the \@setaddresses.
  \def\@tempa{empty}\ifx\@specialstyle\@tempa%
    \else\gdef\@specialstyle{french}\fi%
  \fi%
  \let\GOfrench\relax% Stop to generate \beginL.
  \switchtolanguage\englishTeXmods%
  % 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=-1}%..... \tthyphenation
\let\ifTTH\iftrue}%
\let\@whatUCH\allowuchyph% is normaly the TeX default
\let\ifTTH\iffalse% we presume that there no tt hyph. by default
\let\ifFH\iffalse%we assume we start with no French hyphenation (wrong!)
%
% A macro asking to load a language specific exceptions file.
% Argument provides the language name. File name is in language.dat
\def\hyphex#1{% available before \begin{document}
\if#1\empty%..... (\hyphex)
\else% a general macro for other languages
\edef\@excn{#1}\fi%
\let\if@FE\iftrue}% \hyphex{} before begin document will
%
% load exceptions files
\def\frhyphex{% available before \begin{document}
\if@PMF\else\hyphex{\frenchname}\fi}%..... \frhyphex
%#>
%
% =====
% | Translations |
% =====
%
% The following is to ``repair'' default captions used in standard V2 styles
% prior October 91 as "Figure n:" and "Table n:".
\def\@eatDP{\@ifNextNB:{\@gobble}{}}%
%\def\@eatP#1{\@ifNextNB:{\@gobble}{}}% for any AmS class
\def\@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#1s\endcsname\relax%
\ifx\listoffigures\relax\ifx\listoftables\relax%
\let\unnumberedcaptions\undefined%
\fi\fi%
}%
%
% Titles ..... \captionsnames
\@ifundefined{captionsnames}{\def\captionsnames{\relax}% let it be known
\@fininput{fenglish.sty}}{}% load English captions
\let\ifnonenglishheadings\iftrue% Bypass to a LaTeX slight bug...
%#<
\def\tocreduce#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]{\ifx\tableofcontents\undefined\else%
\beginingroup\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@files\expandafter\newwrite\csname tf@##1\endcsname\fi%
\ifeof\@inputcheck \@Ffmt{\jobname.##1}%
\if@files\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@files\immediate\openout \csname tf@##1\endcsname%
\jobname.##1\relax\fi}}%
\fi\global\@nobeakfalse \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@files\immediate\openout \csname tf@####1\endcsname%
\jobname.####1\relax\fi%
\global\@nobeakfalse \endgroup}%
\@tocORI\endgroup}% now the original toc command
\fi% of \if\tableofcontents\undefined
}%\@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\pfill##1 {}% nullify page num. unneded
\def\pgf[##1]{\@finput{##1}}%
\def\printglossary{\@ifNextNB[%] emacs
{\@pgf}{\@pgf[\jobname.gls]}}%
\fi%
\fi\fi}% \input \jobname.glo will typeset the glossary
%#>
\def\datefrench{%
\def\todayfrench{\ifx\ier\undefined\def\ier{er}\fi%
\ifnum\day=1\relax 1\ier%..... \todayfrench
\else \number\day\fi%
\space\ifcase\month\or janvier\or f\evrier\or mars\or %
avril\or mai\or juin\or juillet\or ao\ut\or septembre\or %
octobre\or novembre\or d\ecembre\fi \space\number\year}%
}\datefrench% no need of \datefrench def for babel <3.6
\def\ordinal#1{\ifcase\value{#1}\or {p}remier\else\ordin@l{#1}\fi}%
\def\ordin@l#1{\ifcase\value{#1}\or\or {d}euxi\eme\or %
{t}roisi\eme\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\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\fnun@figure%..... \fnun@...
\let\@fORI\fnun@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\es}%
\ifx\bibname\undefined\else%
\def\bibname{Bibliographie}%
\fi%
\csname bibsfrench\endcsname% more bibs-names if any.
\def\contentsname{Table des mati\eres}%

```

```

\def\listfigurename{Table des figures}%
\def\listtablename{Liste des tableaux}%
\ifx\listalgorithmname\undefined\else%
\def\ALG@name{algorithm}%
\def\listalgorithmname{Liste des \ALG@name s}%
\fi%
\def\indexname{Index}%
\def\seenname{\emph{voir}}% used normally in makeidx.sty
\def\seealsoname{\emph{voir aussi}}% added macro \seealso
\def\figurename{\textsc{Fig.}}%
\def\tablename{\textsc{Tab.}}%
\def\sommairename{Sommaire}%
\def\partname{% "Premi\`ere partie" instead of "Part I"
\ignorespaces\Ordinale{part}\space partie%
\@RPTNoInDoc\noexpand\@RPTNoInToc}%
\def\glossaryname{Glossaire}% added
\def\kwname{\textbf{Mots-cl\'e} : }%
\def\draftname{- \noexpand\35lpreuve -}% PostScript IsoLatin1 \’epreuve
\def\prefacename{Pr\’eface}%
\ifx\proofname\undefined\else\def\proofname{D\’emonstration}\fi%
%
% Comment for further dev:
% Next ones depend from the class of document in use, thus the translations
% should apply only when the corresponding class is loaded. Thus it should
% be better to define these names when loading french, not dynamically at
% run time when typesetting the document.
%
\ifx\fr@RIfM@cls\undefined% figure and table captions modified
\let\fnum@figure\foffrench% except for any AmSLaTeX V1.2 class
\let\fnum@table\fttfrench% for which it remains unsolved pbs.
\def\@RPTNoInToc{}%
\def\@RPTNoInDoc{\def\thepart{}}% nullify \thepart
\else\def\@RPTNoInToc##1.{.}% remove until dot
\def\@RPTNoInDoc##1\thepart{}% remove until value
% \let\@eatDP\@eatP%
\fi%
% The following is only for letter
\ifx\opening\undefined\else%
\def\headtoname{}%
\def\ccname{c.c.}% copie conforme
\def\enclname{P.j.}% Pieces jointes
\def\PSname{P.-S. :}% Post-Scriptum
\def\Objectname{Objet :}% Object of the letter
\def\YourRefname{v/r\’ef. :}% Your reference number
\def\OurRefname{n/r\’ef. :}% Our reference number
\def\emailname{m.\’el. :}% Email address
\fi%
% The following is for seminar
\ifx\slidename\undefined\else%
\def\slidename{Transparent}%
\def\listslidename{Liste des transparents}%
\fi%
% The following is for endnotes 98/01
\ifx\notesname\undefined\else%
\def\notesname{Notes}%
\fi%
% The following is only for report and book ...
\def\chaptername{Chapitre}%
\def\appendixname{Annexe}%
\let\captionsnames\captionsfrench%

```



```

\fi% \else of \ifx\captionsnames\captionsfrench%
\let\today\todayfrench%
\def\@cORI{\@cnsORI% Restore original caption names
\let\today\@tdORI%
\let\fnun@figure\ffORI%
\let\fnun@table\ftORI}%
\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.1df}%
\InputIfFileExists{\@tempa}{\message{ -65- \frenchname.sty charge %
les traductions pour la bibliographie \string:}}{}}%
\fi%
\ifx\bibsenenglish\relax%
\edef\@tempa{en\@rbibstyid bib.1df}%
\InputIfFileExists{\@tempa}{\string:}}{}}%
\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 \@noligs \tt% hyphenation at blank space
% word hyphenation done only if \tthyphenation typed
\ifFLA\let\dospecials\dsversa\fi%
\let\do\@makeother\dospecials\@vobeyspaces \frenchspacing%
\@vers}}}%
%#>
}% end of \@FIM
%===== for the letter ...
\def\@tempa{% 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%
\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 .....
%%%
\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 0pt{\fromaddress\vss}}}%
\*[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]%
\fromlocation\space\@date\end{tabular}\par}%
\fi%
\ifx\@empty\@ourref\else%
{\raggedright \hspace*{-0.25\indentedwidth}%
\OurRefname\space\@ourref \par}%
\fi%
\ifx\@empty\@yourref\else%
{\raggedright \hspace*{-0.25\indentedwidth}%
\YourRefname\space\@yourref \par}%
\fi%
\ifx\@empty\@object\else%
{\raggedright \hspace*{-0.25\indentedwidth}%
\textbf{\ObjectName}\space\@object \par}%
\fi%
\par\vspace*{3\parskip}%
\noindent####1\hfill\vspace*{3\parskip}% no need of \linebreak%
\@wideletter%
\else\@oORI{####1}%
\fi}}%
\def\@closing{%
\def\closing{\fclosing@[9]}%..... \closing
\def\fclosing{\@ifNextNB[\fclosing@]{\fclosing@[9]}%..... \fclosing
}%
\long\def\fclosing@[####1]####2{%
\ifFLA%
\par%\nobreak
\vspace{\parskip}\stopbreaks%
\ignorespaces ####2\[\####1\medskipamount]%
\ifx\@empty\fromaddress\else%
\hspace*{-0.25\indentedwidth}%
\hspace*{\longindentation}\fi%
{\raggedright\begin{tabular}{l}\ignorespaces%
\ifx\@empty\fromsig%
\fromname%
\else \fromsig \fi%
\ifx\@empty\emailadd\else\[\footnotesize%
\emph{\emailname} \emailadd]\fi%
\strut\end{tabular}}\par%
\vskip 0pt plus 1fil% un peu d'elasticite
\else\@cloORI{####2}%
\fi}%

```

```

\def\endletter{\ifFLA\vskip 0pt plus 3fil\fi% un peu d'elasticite
\@elORI}}% @closing
\@ifundefined{opening}{\def\@opening{}\def\@closing{}}%
{\let\@oORI\opening\let\@cloORI\closing%
\let\@elORI\endletter%
\@opening\@closing}%
}% \@temp@
\ifx\opening\undefined\let\@temp@\relax\fi%
\@temp@% only if letter .....
%=====
%#<
%..... \begin{figurette}
\let\ifFLA\iffalse% dummy def for next processing
\def\@temp@{%
\def\figurette{\@noBDfr%
\ifx\@fgeORI\undefined\figure\fi% can't work without figure
\ifFLA\bgroup%
\def\@xfloat####1[h]{%
\expandafter\let\csname end####1\endcsname\endfigurette%
\vskip\intextsep\def\@captype{####1}\parindent\z@}%
\@fgeORI[h]\else\figure[h]\fi}%
\def\endfigurette{\@noBDfr%
%..... \end{figurette}
\ifFLA\vskip\intextsep\egroup\else\@efgeORI\fi%
\ifx\@lim\empty\else\marginpar{\@lim@}\xdef\@lim{}\fi%
\let\ifMOVING\iffalse}%
}%
\ifx\figure\undefined\def\@temp@{}\fi%only when \figure is already defined
\@temp@%
%#>
% Reset chapter counter when starting a part --> \GOfrench
%
% Check for AmS package's class
\def\@tempa{\let\fr@RIfM@cls\undefined}% will set the no AmS class loaded flag
\let\fr@RIfM@cls\RIfM@% if no AmS package, no class as well
\ifx\RIfM@\undefined\else%
\expandafter\ifx\csname @classname\endcsname\relax\@tempa%
\else\def\@tempb#1#2#3#4\@nil{%
\if#1a\if#2m\if#3s\else\@tempa\fi%
\else\@tempa\fi\else\@tempa\fi}%
\expandafter\@tempb\@classname\@nil%
\fi%
\fi% \RIfM@\undefined
%
% This is the French pagestyle to use instead in place of plain wrongly
% used by LaTeX in many situations. Quite simple one..... \ps@french
\def\@temp@{\def\ps@french{\if@fancyplain\ps@plain@fancy\else\ps@plain\fi}}%
\ifx\ps@fancyplain\undefined% do nothing outside fancyheadings
\ifx\fr@RIfM@cls\undefined\def\ps@french{}% in standard LaTeX, but not
\else\def\ps@french{\global\topskip\normaltopskip}% with AmS classes.
\fi% \fr@RIfM@cls\undefined%
\else\@temp@% to avoid pb in case \if@fancy... undefined
\fi%
\let\@sdORI\secdef% will be used at each new sectioning.
\def\secdef{\ifFLA\thispagestyle{french}\fi\@sdORI}%..... (\secdef)
% We could define \nofrenchpagestyle if necessary (document option).
%\def\nofrenchpagestyle{\let\secdef\@sdORI}%
%#<
\@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}%
\ifPMF\def\@Ettrine[##1]{##1}\let\@ettrine\relax\else%
\def\@ettrine##1##2\par{\bgroup\parskip=\z@ NFSS requires a
{\ly\xdef\bef@ly{\the\font}}% global def!
\let\newpage=\relax\let\clearpage=\relax%
\let\cleardoublepage=\relax%
\edef\bef@fnt{\the\font}%
\ifCG\def\bef@let{}%
\else\def\bef@let{\bef@fnt\def\ly{\bef@ly}%
\leftguillemets\space}%
\fi\@@ttrine{##1}{##2}\egroup}%
\def\@@ttrine##1##2{\ifFLA\def\@@ttrnxt{\@@@ttrine##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.
\@par% The second \par ends the \lettrine.
\@nbreakfalse}% Allow breaks after that paragraph.
\def\@@@trine##1##2\@@##3{\@fbr\TeXeverypar{}}%
%% start of automatic font calculation (a piece of code coming from Ronan)
\ifx\lettrinefontname\undefined\let\auTo@lh\undefined%
\else\let\auTo@lh\lettrinehang%
\ifx\auTo@lh\undefined\def\auTo@lh{2}\fi%
\bggroup%
\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\fboxrule=\z@\else\advance\@FrDimenI by2\fboxrule%
\advance\@FrDimenI by2\fboxsep\fi%
\@FrDimenS=\fontdimen2\font\advance\@FrDimenI by+3\@FrDimenS%
\ifdim\fboxrule=\z@\advance\@FrDimenI by-0.30\@FrDimenS\fi%
\advance\@FrCount by -1%
\@FrDimen=\@FrCount\baselineskip%
\advance\@FrCount by 1%
\ifdim\fboxrule=\z@\else\advance\@FrDimen by -\fboxrule\fi%
\@FrDimenH=-\dp0% to get baseline alignment
\setbox0\hbox{\ifdim\fboxrule=\z@\kern-\fboxsep\fi%
\fbbox{\shortstack{{}%
\def\@LSG{\@fw{-5- d'efinition de lettrine incorrecte}}}%
\let\@RSG=\@LSG\bef@let%
\lettrinefont\raise-\@FrDimen\hbox{##1}\relax%
\ifdim\fontdimen\@ne\font>\z@\/\space\fi}}}%
\box0\@FrDimen=\@FrDimenH%
\advance\@FrDimenH by-\@FrCount\baselineskip%
\advance\@FrDimenH by \lineskip% inappropriate action
\ifdim\fboxrule=\z@\else\advance\@FrDimenH by -\fboxrule\fi%
\vspace*{\@FrDimenH}% where to write the rest of the line

```



```

\hangindent=\@FrDimenI%
\ifx\lettrinehang\undefined% hangafter change then allowed
\ifdim\@FrDimen<-0.025\baselineskip% if dp0 > 25/1000 then
\advance\@FrCount by\@ne% add one more line hangafter
\divide\@FrDimen by-\baselineskip% and may be it could
\advance\@FrCount by\@FrDimen% extend past a line.
\fi%
\fi%
\ifnum\@FrCount=1\@fw{-6- lettrine \a revoir}\fi%
\hangafter=-\@FrCount%
\noindent\kern-2.5\@FrDimenS%
\def\@temp@{##2}%
\ifx\empty\@temp@\@fw{-7- lettrine r'eduite \a 1 seule lettre}%
\else{\scshape ##2}\fi\def\@temp@{##3}%
\ifx\@temp@\empty\else\space\ignorespaces##3\fi%
}%@@trine
\def\@Ettrine[##1 ##2 ##3]##4\par{\bgroup\parskip=0pt% NFSS requires a
{\ly\xdef\bef@ly{\the\font}}% global def!
\let\newpage=\relax%
\edef\bef@fnt{\the\font}\@gN%
\ifFLA\def\bef@let{\bef@fnt\def\ly{\bef@ly}##1\space}%
\else ##1\space\fi%
\@@trine{##2}{\def\@aft@let{##3}\ifx\@aft@let\empty%
\else##3\space\fi%
\ignorespaces ##4}}\egroup}%
\fi% \if@PMF
\def\flettrine{\par%..... \flettrine
\let\@tempa\relax%
\def\@tempa{\def\@fbr{}}\protect\@lettrines%
\@tempa}%
\def\@lettrines{\ifx\@FrDimenH\undefined%
\newdimen\@FrDimenH\newdimen\@FrDimenI\fi%
\ifx\@FrDimenS\undefined\newdimen\@FrDimenS\fi%
\@ifNextNB[{\@Ettrine}{\@ettrine}%] emacs
}%
\fi% \lettrine undefined
}% end of \@FL
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%#>
%
% =====
% | Typography |
% =====
%
% Let the possibility to turn all off
\def\nonfrench{\ifFrench\@DFP%..... \begin & \end{nonfrench}
\def\@temp@{\@AFP}% \@AFP only for non LaTeX users
\else\@NoFr\def\@temp@{\relax}\fi%
\def\endnonfrench{\@temp@\ignorespaces}%
\ignorespaces}%
%
% Original settings of \dospecials et \@sanitize saved at \begin{document}
% include ! ? ; : < > ' ^ " in dospecials and sanitize:
\def\@dospecialsfrench{\do\'\do\'@dsversa}%.....\@dospecialsfrench
\def\@dsversa{% specials reduced for versatim envir.....\@dsversa
\do\ \do\\\do\{\do\}\do\$\do\&\do\#\do\|\do\^K\do\_ \do\^A\do\% \do\~%$emacs
\do\!\do\?\do\;\do\:\do\<\do\>\do\^\do\"}%
\def\@sanitizefrench{%.....\@sanitizefrench
% \@makeother\ \@makeother\\\@makeother\$\@makeother\&%$emacs
% \@makeother\#\@makeother\|\@makeother\^K\@makeother\_%
% \@makeother\^A\@makeother\%\@makeother\~%

```

```

\@saORI% get original \@sanitize and add ours:
\@makeother\!\@makeother\?\@makeother\;\@makeother\:%
\@makeother\'\@makeother'\@makeother\<\@makeother\>%
\@makeother\^\@makeother\"}%

%
% \@ifNextNB X {YES} {NO} ... if next char is X then YES else NO ... \@ifNextNB
\def\@ifNextNB#1#2#3{\let\@tempe=#1\def\@tempa{#2}\def\@tempb{#3}\futurelet%
\@tempc\@Fifnch}%
\def\@Fifnch{\ifx \@tempc \@tempe\let\@tempd\@tempa% Next char may be an
\else\let\@tempd\@tempb\fi\@tempd}% % active space.
%\ifNextNBc X or Y {YES} {NO} ... % active space. ... \@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{\@fw{-13- le caract\`ere "#1" est d\'ej\'a actif}%
\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 imperfect...
% \hhline modification should be removed if the version
% [1997/11/24 v3.x beta] is generally in use (and distributed).
\ifx\hhline\unedfined\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%
\@fw{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% deactivate 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
\AFPinsup% 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%
\def\@LG{\relax\ifFTY\ifmmode\@DOG\else\@@OG\fi\else\@DOG\fi}%
\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{@OuvOpen}{% then according
\,% kerning just after.
}}}%
\fi}%
\fi\fi%
\else\@SifDOGon\@AG% ancient guillemets featuring
\ifFLA\ifEPG\else\def\@qqguill{\@oguills}\@staring\fi\fi\fi%
\global\let\ifCG\iffalse%
\ifUSP\kern+0.13em\penalty\@M\ignorespaces%
\else\kern-0.19em\relax\penalty\@M\fi}%likely as \ignorespaces\fi
\def\@AG{\ifAG\let\@LP\@RP\let\@gotl\@gotr%
\fi}% Apply ancient guillemets if required
\def\@f@guillemets{<<}%
\def\@oguills{%
\bgroup\@ifundefined{@OuvOpen}{\def\@OuvOpen{}}% avoid duplicate <<
\@ifundefined{ly}{\@og}%
{\leavevmode\ifECM\hbox{\ifGIAF\else\@gfnt\fi%
\ifx\@gotl\undefined\char\rq\@LP%
\else\@gotl\fi\kern+0.20em}}%
\else\hbox{\ly\@LP\kern-0.20em\@LP\kern+0.20em}}\fi%

```

```

\nobreak}}}\egroup}%
%\def>{\ifnum\catcode'\>=\active% look at \normalbrackets..... ">>"
% \expandafter\@genGR\else\@RSG\fi}% \EBCDICbrackets are different
\def\@RFG{\ifFTY\ifmmode\protect\@RSG\else%
\ifIEB\@SFC\else\@RSG\fi% EBCDICbracket
\fi%
\else\@RSG\fi}%
\def\@SifFTY{\let\ifFTY\iffalse}% to turn of FTY temporary
\def\@RG{\relax\ifmmode\@SifFTY\fi\ifFTY\@FG\else\@DFG\fi}%
\def\endf@guillemets{>>}%
\ifx\RIfM@\undefined\else% For AmSTeX we force \nofrenchguillemets.
\edef\@emORI{\the\everymath\relax}% Save original \everymath.
\edef\@edORI{\the\everydisplay\relax}% Save original \everydisplay.
\message{^^J -18- \frenchname.sty force l'option % New definition takes care
\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\fw{-14- 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%
\edef\@tempd{\@currenvir}\def\@tempe{guillemets}%
\ifx\@tempd\@tempe%
\@CGroup\@fguills% end group if any and put closing guillemets
\else\ifEPG%
\@fguills% typeset but no real closing (see \@@FG)
\def\@CGroup{\egroup\@gobble}% warning until \endguillemets:
\ifFLA% Message issued only when french layout is active.
\@fw{-49- fermeture pr'ematur'ee de guillemets}%
\fi%
\else\@CGroup\@fguills%
\fi%
\fi%
% \edef\@currenvir{\@tempd}% generates error instead of just a warning.
\ifDOG\ifFLA\ifEPG\else\@fniv2\fi\fi%
\@SifDOGoff\else\@@FG\fi% reset secnd and first level
% following code would be fine but doesn't run:
% \ifNextNB\space{\penalty-\@highpenalty}}}% allow break if space after
}%
\let\guillemets\@LG%..... \begin & \end guillemets
\def\RG@{\ifFTY\ifCG% could be still closed in a prev. envir
\else\@RG% Assume first closing >> and print it
\fi%
\@CGroup\@@FG\relax\fi}% end second level >>
\let\endguillemets\RG@%
\def\@@FG{\ifFLA\ifEPG\ifx\@epORI\undefined\else% \everypar is restored
\expandafter\TeXeverypar=\@epORI\fi%

```

```

\edef\@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\@gfont\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% deactivate 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\ifftrue}%..... \labelsinmargin
\def\nolabelsinmargin{\@noBDfr%
    \let\if@labelsinmargin\iffalse}%.....\nolabelsinmargin
\def\letpunctuationactivefor{\@noBDfr%
    %..... \letpunctuationactivefor
    \global\let\ifLPA\ifftrue%
\def\wrongtypedspaces{\@noBDfr%
    \global\let\ifWTS\ifftrue}%.....\wrongtypedspaces
}%
\def\wrongtypedspaces{\@fw{-17- \string\wrongtypedspaces\space est %
    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 letters. Useless in full 8bits with ECM!
% Useless too with the initex stuff of the French distribution.
\def\tabbingaccents{\@noBDfr%
    \let\@ifTA\iffalse}%..... \tabbingaccents
\def\notabbingaccents{\@noBDfr%
    \let\@ifTA\ifftrue}%..... \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\ifftrue}%
    \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%
\AFPinsup% activate < and >
\def\EBCDICbrackets{\@noBDfr%
    \let\ifIEB\ifftrue%..... \EBCDICbrackets
    \ifFG%
    \def<{\protect\@LFG}%old code generate \ifnum incompatilty
    \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% deactivate < 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%

```

[illegible]

```

%
% =====
% | 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}
    \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\ERRdat{\errmessage{-9- Corrupted/absent language.dat file.}%
    \global\let\french\enddocument}%
\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\typeout{^^J \frenchname.sty: -27- language ##1 (##2) was initially %
            (at initex) numbered \csname l@##2\endcsname\space(ERROR!)}\ERRdat%
        \fi\fi}%
%--
        \expandafter\tl@ng\csname##2TeXmods\endcsname%
        \expandafter\gdef\csname##2\endcsname%
        {\expandafter\switchtolanguage\csname ##2TeXmods\endcsname%
        \@Hif\language=##1\@Hfi\relax}}%
% test if #1 equal ``='' that means same language hyphenation but a dialect.
\edef\@temp@{=}%
\def\@langue##1##2 ##3 ##4/##5{\def\@tempa{=}\def\@tempb{##1}%
    \ifx\@tempa\@tempb%
        \ifnum\@FrCount > 0 \advance\@FrCount by -1\fi%
        \relax% relax Max! Why is it absolutely needed?
        \expandafter\NouveauLangage\expandafter[\the\@FrCount]{##2}%
        \ifnum\@FrCount \@temp@ 0 \@FrCount= -1\fi%
    \else\edef\@temp@{<}\@langue##1##2 ##3 ##4/{##5}%
    \fi}%
\def\@langue##1 ##2 ##3/##4{\NouveauLangage[##4]{##1}%
%%\typeout{La langue ##1 est utilis'ee sous le num'ero \the\@FrCount}
%%\expandafter\@input##2\relax%% loading of patterns is done at initex
%%
    \if@FE
        \@rhef##1/##3/% Check if reload of exceptions file is needed.
%%\fi

        }% end of \NouveauLangage
%
\let\hyphenation\f@hyphenation% use our new macro.
\openin\@inputcheck = language.dat \def\@tempb{}%

```

```

\ifeof\@inputcheck\@Ffnt{language.dat}%
  \ifx\undefined\french % language.dat is absent but \french might be def.
    \else\xdef\@PrevF{\french}%
    \gdef\french{\switchtolanguage\frenchTeXmods\@PrevF}%
    {\@PrevF\@fw{-15- le langage \frenchname\space porte le %
      num\ 'ero \the\language}}%
  \fi%
  \ifx\undefined\l@english % any default English language number?
    \def\l@english{0}% set it
  \fi%
  \ifx\undefined\english % check English (fenglish.sty usally loaded)
    \else\xdef\@PrevE{\language=\l@english}%
    \gdef\english{\switchtolanguage\englishTeXmods\@PrevE}%
    {\@PrevE\@fw{-16- the English language\space is numbered %
      \the\language}}%
  \fi
\else\@FrCount=-1%
\loop \endlinechar=-1 \read\@inputcheck to \@lineD \endlinechar\^^M%
  \ifx\@lineD\empty \else \advance\@FrCount by 1%
  \edef\@lineD{\@lineD\space\space/{\the\@FrCount}}%
  \expandafter\@langue\@lineD%
\fi%
\ifeof\@inputcheck \@morefalse \fi%
\if@more\repeat%
\fi\closein\@inputcheck%
\let\hyphenation\@hyphenation% reset original cs.
%
\def\@MLtst{\@ifundefined{fhyph}% if French and \fhyph undef. (no language.dat)
  {\if@PMF\gdef\french{\switchtolanguage\frenchTeXmods}%
    \@fw{-19- utilisation du langage interne num\ 'ero \the\language}%
    \else\typeout{^^J \frenchname.sty: -20-
      the French language is undefined (ERROR!)}\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\@fw{-21- ##1 n'est pas d'efini}\fi}%
\ifx\ORIGfrench\french\ERRdat\fi%
  \egroup% this is the end of the marmelade
}% end of \@doFh (\GO french part 2)
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%#<
%
% =====
% | Macros for help |
% =====
%
% Abbreviations
\def\@abbf[#1]{\def\abbrevfilename{#1}}%
\AFPdq% Activate " char for the following coding
\def\abbreviations{\if@PMF\else\AFPdq\fi%..... \abbreviations
  \@abbdefs\let\@abbdefs\relax%
  \@ifNextNB[%] emacs
  {\@abbf}{\@abbf[frabbrev.tex]}}%
% The following lines are excluded from high speed \if...\fi scan
\def\f@protect{\ifx\protect\@typeset@protect%
  \else\f@x@protect\fi}%
\def\f@x@protect\fi#1{\fi\protect"%}

```

```

\def\@eatprotect#1\protect#2\@nil{#1}%
\if@PMF\let\@f@protect\undefined\let\@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\@Ffnt{##1}\fi}%
\def"{\f@protect\AbbrevName}%". . . . . "xx"
\def\AbbrevName##1"{\def\@tempa{##1}\ifx\@tempa\space'\space'%
\else\@bbrev##1"\fi}%
\def\@bbrev##1{\expandafter\@bbrev\@eatprotect##1\protect\@nil}%
\def\@bbrev##1{\begingroup
\def\ABBMfalse{\global\let\ifABBM\iffalse}%
\let\ifABBM\iftrue\global\let\ifABBfound\iffalse%
\@openabbrev{\abbrevfilename}%
\ifeof\@inputcheck\else%
\loop\endlinechar=-1\read\@inputcheck to \@lineD\endlinechar\^M%
\ifx\@lineD\empty%
\else\edef\@lineD{##1 \@lineD/}\expandafter\@abbrev\@lineD\fi%
\ifABBfound\ABBMfalse\fi%
\ifeof\@inputcheck \ABBMfalse\ifABBfound\else%
\@fw{-22- abr\'eviation de \string"##1\string" non trouv\'ee}%
\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
\ifx\at\undefined\else\let\@atORI\at\fi%
\ifx\vert\undefined\else\let\@bvORI\vert\fi%
\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
\ifx\chap\undefined\else\let\@chapORI\chap\fi%

```

```

\let\@tildeORI\tilde%
\ifx\etc\undefined\else\let\@etcORI\etc\fi%
\ifx\numero\undefined\else\let\@numORI\numero\fi%
\ifx\numeros\undefined\else\let\@numsORI\numeros\fi%
\ifx\Numero\undefined\else\let\@NumORI\Numero\fi%
\ifx\numeros\undefined\else\let\@NumsORI\numeros\fi%
\ifx\degre\undefined\else\let\@degreORI\degre\fi%
\ifx\degres\undefined\else\let\@degresORI\degres\fi%
\ifx\ieme\undefined\else\let\@iemeORI\ieme\fi%
\ifx\iemes\undefined\else\let\@iemesORI\iemes\fi%
\ifx\ier\undefined\else\let\@ierORI\ier\fi%
\ifx\iers\undefined\else\let\@iersORI\iers\fi%
\ifx\iere\undefined\else\let\@iereORI\iere\fi%
\ifx\ieres\undefined\else\let\@ieresORI\ieres\fi%
\ifx\fsc\undefined\else\let\@fscORI\fsc\fi%
\ifx\lsc\undefined\else\let\@lscORI\lsc\fi%
\let\@ntsORI\!%
\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
\def\vert{\ifmmode\@bvORI% | ..... \vert
\else\ifFMA\string |\else\@bvORI\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$\{\mathrm{##1}\}$\else##1\fi}%
\def\@umer##1{\@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- point manquant apr\`es \string\etc}}}%
\else\@etcORI%
\fi\@tempa}%
\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\degre{\ifFMA\r{}}\space degree char..... \degre
\else\expandafter\@degreORI\fi}%
\def\degres{\ifFMA\@Fsp{o}\else\@degresORI\fi}% degrees sign..... \degres
\def\leftguillemets{\@noBDfr%
\ifFMA\@oguills% << char...\leftguillemets
\else<<\fi}%
\def\rightguillemets{\@noBDfr%
\ifFMA\@fguills% >> char..\rightguillemets
\else>>\fi}%

```

```

\def\fup##1{\@noBDfr%
  \ifFMA\leavevmode\raise+0.55ex%
  \hbox{\protect\smoller\MakeLowercase{##1}}\kern+.17em%.. \fup
  \else##1\fi}%

\def\ieme{\ifFMA\protect\fup{e}\else\@iemeORI\fi}%   ieme  sign..... \ieme
\def\iemes{\ifFMA\protect\fup{es}\else\@iemesORI\fi}% iemes sign..... \iemes
\def\ier{\ifFMA\protect\fup{er}\else\@ierORI\fi}%    ier   sign..... \ier
\def\iers{\ifFMA\protect\fup{ers}\else\@iersORI\fi}% iers  sign..... \iers
\def\iere{\ifFMA\protect\fup{re}\else\@iereORI\fi}%  iere  sign..... \iere
\def\ieres{\ifFMA\protect\fup{res}\else\@ieresORI\fi}% ieres sign..... \ieres
\def\fsc{\protect\Fsc@}% ..... small caps for names \fsc
\def\Fsc@{\@noBDfr\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{\protect\Lsc@}%..... allways lower case small caps \lsc
\def\Lsc@{\@noBDfr\Lsc@@}%
\def\Lsc@@{\@ifNextNB*\let\Fsc@F\@sc@F\lsc@}{\let\Fsc@F\relax\lsc@*}%
\def\lsc@*##1{\ifFMA\leavevmode{\ifECM\Fsc@F\else\@sc@F\fi%
  \textsc{\@uchbox{\MakeLowercase{##1}}}}}%
  \else\@lscORI##1\fi}%

%..... \primo \secundo \tertio \quarto%
%(((..... \primo) \secundo) \tertio) \quarto)
\def\@FE{\@noBDfr%( emacs
  \@ifNextNB){\@@FPE}{\@@FE}}%
\def\@@FE{\the\@FrCount$\^{\mathrm o}$\kern+.29em}%
\def%( emacs
  \@@FPE){\the\@FrCount\kern-.25em\lower.2ex\hbox{\degree}%
  \kern-.55em%( emacs
    )\kern+.3em}%
\def\quando=##1{\@FrCount=##1\@FE}%(emacs..... \quando=n or \quando=n)
\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\@fw{-1- la macro \string##1 existe d'ej'a}%
  \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

```

